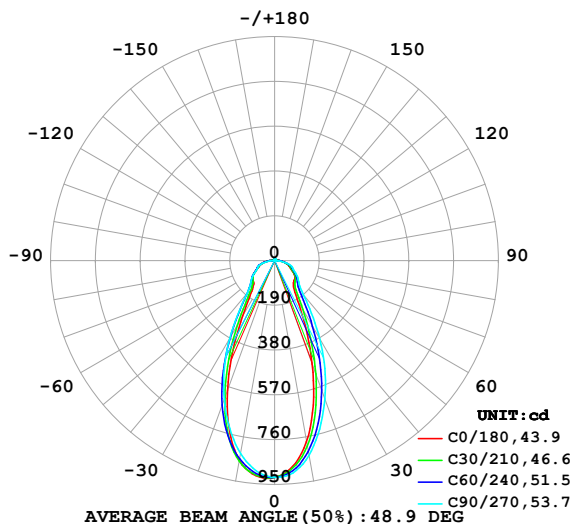


LUMINAIRE PHOTOMETRIC TEST REPORT

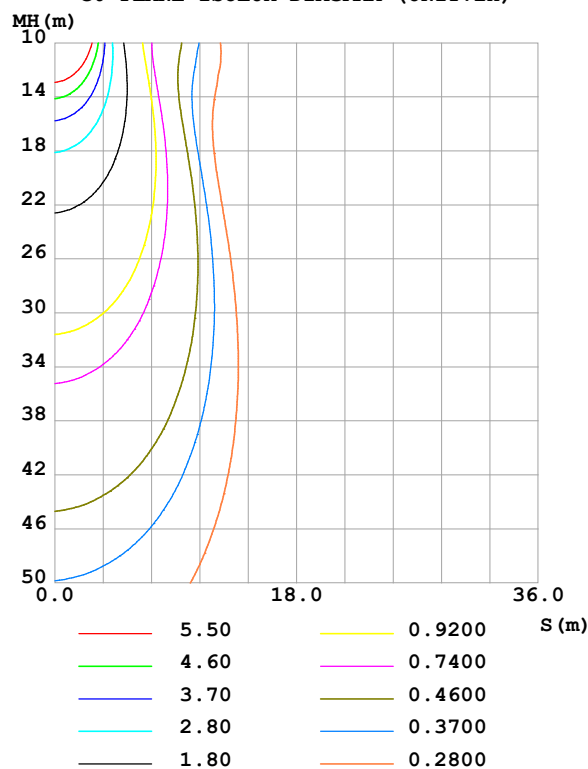
Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.67 lm/W
MODEL	S010120BC1LZ W	I _{max} (cd)	924.3	S/MH(C0/180)	0.75	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.81	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1026.9	η UP,DN(C0-180)	1.4,48.3	
NOMINAL FLUX(lm)	1026.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,48.9	
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	24	η down(%)	97.2	CIBSE SHR MAX	0.80	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	780.3	810.9	839.4	857.9	861.0	859.2	831.3	799.5	0- 10	83.60	83.60	8.14,8.14
20	467.6	548.3	624.7	624.4	586.1	635.9	626.8	540.5	10- 20	199.1	282.7	27.5,27.5
30	197.8	281.3	384.7	341.8	272.1	346.7	381.6	273.1	20- 30	200.9	483.6	47.1,47.1
40	125.0	149.6	192.0	169.0	141.6	168.5	183.6	147.7	30- 40	136.9	620.5	60.4,60.4
50	113.7	121.7	132.8	128.8	123.2	125.4	130.0	120.9	40- 50	106.4	727.0	70.8,70.8
60	87.04	93.23	101.3	99.78	98.04	96.60	95.47	89.50	50- 60	99.12	826.1	80.4,80.4
70	64.85	72.46	79.61	76.46	70.19	74.24	75.17	68.38	60- 70	81.53	907.6	88.4,88.4
80	42.68	40.24	39.09	44.14	46.27	43.38	37.77	39.47	70- 80	62.01	969.6	94.4,94.4
90	17.67	17.67	1.877	19.00	19.97	18.16	1.426	13.27	80- 90	28.55	998.2	97.2,97.2
100	8.673	4.082	1.268	4.678	10.18	4.363	1.246	4.137	90-100	10.96	1009	98.3,98.3
110	1.409	1.536	1.704	1.463	1.323	1.459	1.714	1.614	100-110	2.247	1011	98.5,98.5
120	2.034	2.211	2.367	2.050	1.874	2.166	2.484	2.372	110-120	1.811	1013	98.7,98.7
130	3.147	3.257	3.343	3.052	2.819	3.180	3.464	3.418	120-130	2.398	1016	98.9,98.9
140	4.495	4.438	4.427	4.285	4.105	4.375	4.537	4.611	130-140	2.938	1019	99.2,99.2
150	5.702	5.459	5.403	5.473	5.416	5.526	5.477	5.626	140-150	3.117	1022	99.5,99.5
160	6.377	6.096	6.163	6.338	6.259	6.351	6.190	6.227	150-160	2.728	1024	99.8,99.8
170	6.571	6.529	6.685	6.743	6.604	6.743	6.709	6.625	160-170	1.828	1026	99.9,99.9
180	6.770	6.901	6.994	6.943	6.773	6.905	6.997	6.947	170-180	0.6450	1027	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 674.5 lm

%lum = 65.7%

%lamp = 65.7%

Conical surface Flux(130deg): 868.67 lm

%lum = 84.6%

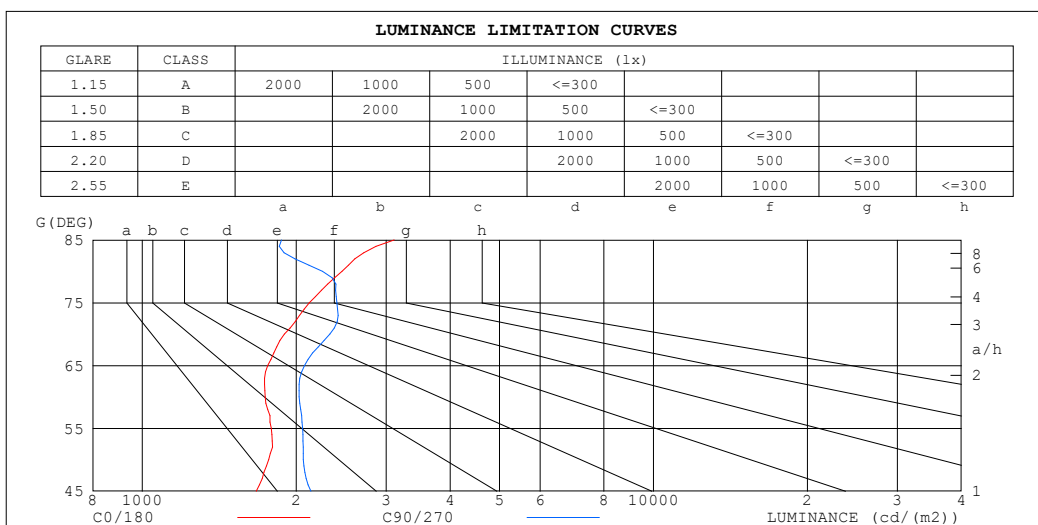
%lamp = 84.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3110	1871
80	2456	2251
75	2121	2402
70	1895	2327
65	1758	2077
60	1740	2027
55	1786	2058
50	1768	2066
45	1670	2138

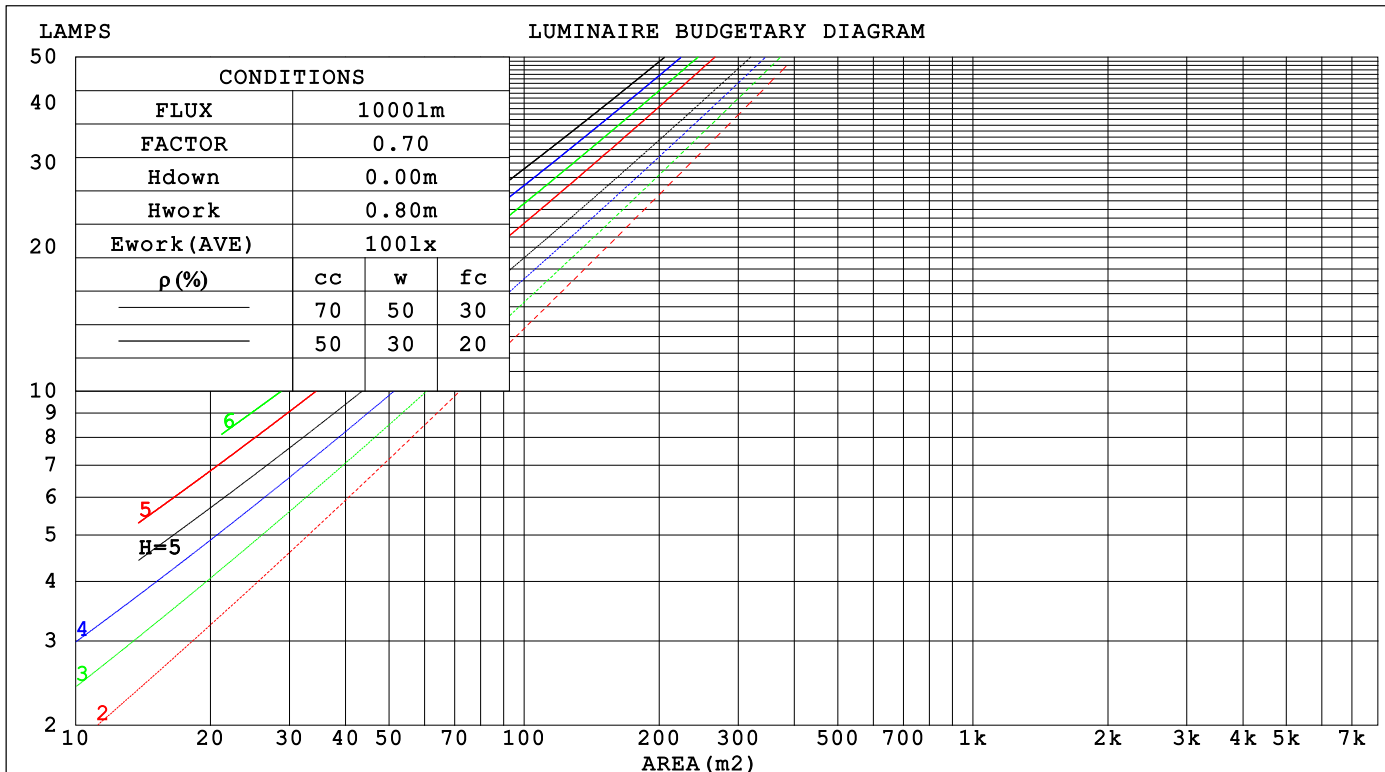
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: LINZINA
Test Date: 2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.05	1.01	.97	1.02	.99	.96	.98	.95	.92	.93	.91	.89	.89	.87	.86	.83
2.0	.94	.88	.82	.91	.86	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.84	.77	.72	.83	.76	.71	.79	.74	.69	.76	.72	.68	.74	.70	.66	.64
4.0	.77	.69	.63	.75	.68	.63	.73	.67	.62	.70	.65	.61	.68	.63	.60	.58
5.0	.70	.63	.57	.69	.62	.56	.67	.61	.56	.65	.59	.55	.63	.58	.54	.52
6.0	.65	.57	.52	.64	.57	.51	.62	.56	.51	.60	.54	.50	.58	.53	.50	.48
7.0	.60	.53	.47	.59	.52	.47	.58	.51	.47	.56	.50	.46	.55	.50	.46	.44
8.0	.56	.49	.44	.56	.48	.44	.54	.48	.43	.53	.47	.43	.51	.46	.42	.41
9.0	.53	.46	.41	.52	.45	.41	.51	.45	.40	.50	.44	.40	.48	.43	.40	.38
10.0	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.46	.41	.37	.36



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.280	.159	.050	.272	.155	.049	.257	.148	.047	.244	.141	.045	.231	.134	.043		
2.0	.255	.140	.043	.248	.137	.042	.236	.131	.041	.224	.126	.039	.213	.120	.038		
3.0	.233	.124	.037	.227	.122	.037	.216	.117	.036	.206	.113	.035	.196	.109	.034		
4.0	.214	.111	.033	.209	.109	.032	.199	.106	.032	.190	.102	.031	.181	.099	.030		
5.0	.198	.101	.029	.193	.099	.029	.185	.096	.028	.176	.093	.028	.169	.090	.027		
6.0	.184	.092	.026	.180	.091	.026	.172	.088	.026	.165	.086	.025	.158	.083	.025		
7.0	.172	.085	.024	.168	.084	.024	.161	.081	.023	.154	.079	.023	.148	.077	.023		
8.0	.161	.079	.022	.157	.078	.022	.151	.076	.022	.145	.074	.021	.140	.072	.021		
9.0	.151	.073	.020	.148	.072	.020	.143	.070	.020	.137	.069	.020	.132	.067	.019		
10.0	.143	.068	.019	.140	.068	.019	.135	.066	.019	.130	.065	.018	.125	.063	.018		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023		
1.0	.200	.178	.158	.171	.153	.136	.117	.105	.094	.067	.061	.055	.022	.020	.018		
2.0	.189	.154	.124	.162	.132	.107	.111	.092	.075	.064	.053	.044	.021	.017	.014		
3.0	.179	.136	.101	.154	.117	.088	.105	.081	.062	.061	.048	.036	.020	.015	.012		
4.0	.170	.122	.085	.146	.105	.074	.100	.073	.052	.058	.043	.031	.019	.014	.010		
5.0	.162	.111	.074	.139	.096	.064	.096	.067	.045	.055	.039	.027	.018	.013	.009		
6.0	.154	.102	.065	.132	.089	.057	.091	.062	.040	.053	.037	.024	.017	.012	.008		
7.0	.147	.095	.059	.127	.083	.051	.087	.058	.036	.051	.034	.022	.016	.011	.007		
8.0	.141	.089	.054	.121	.077	.047	.084	.054	.033	.049	.032	.020	.016	.011	.007		
9.0	.135	.084	.050	.116	.073	.044	.081	.051	.031	.047	.030	.018	.015	.010	.006		
10.0	.129	.080	.047	.112	.069	.041	.077	.049	.029	.045	.029	.017	.015	.009	.006		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm										
NAME: S010120BC1LZ W					TYPE:			WEIGHT:		
SPEC.:					DIM.: 1000×10MM			SERIAL No.:		
MFR.: iPixel LED					SUR.: 1000×10MM			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	12.8	14.0	13.1	14.3	14.5	13.7	14.9	14.0	15.2	15.4
3H	14.7	15.9	15.1	16.2	16.4	15.7	16.9	16.1	17.2	17.4
4H	15.8	16.9	16.1	17.2	17.5	16.8	17.9	17.1	18.2	18.4
6H	16.7	17.8	17.1	18.1	18.4	17.5	18.6	17.9	18.9	19.2
8H	17.2	18.2	17.6	18.5	18.9	17.7	18.8	18.1	19.1	19.4
12H	17.6	18.6	18.0	18.9	19.2	17.9	18.9	18.3	19.2	19.5
4H 2H	13.6	14.7	13.9	15.0	15.3	14.3	15.4	14.6	15.7	16.0
3H	15.8	16.8	16.2	17.1	17.5	16.6	17.6	17.0	17.9	18.3
4H	17.0	17.9	17.4	18.2	18.6	17.8	18.7	18.2	19.0	19.4
6H	18.1	18.9	18.5	19.3	19.7	18.7	19.5	19.2	19.9	20.3
8H	18.6	19.3	19.0	19.7	20.2	19.0	19.8	19.5	20.2	20.6
12H	19.0	19.7	19.5	20.1	20.6	19.2	19.9	19.7	20.3	20.8
8H 4H	17.5	18.2	17.9	18.6	19.1	18.2	18.9	18.6	19.3	19.8
6H	18.7	19.3	19.2	19.8	20.3	19.3	19.9	19.8	20.4	20.9
8H	19.3	19.9	19.8	20.4	20.9	19.7	20.3	20.2	20.8	21.3
12H	19.9	20.4	20.5	20.9	21.5	20.1	20.5	20.6	21.0	21.6
12H 4H	17.5	18.2	18.0	18.6	19.1	18.2	18.9	18.7	19.3	19.8
6H	18.9	19.4	19.4	19.9	20.4	19.4	20.0	19.9	20.4	20.9
8H	19.5	20.0	20.0	20.5	21.0	19.9	20.4	20.4	20.9	21.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.1				
2.0H	+ 0.1 / - 0.4					+ 0.1 / - 0.2				

CIE Pub.117, 1027 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:

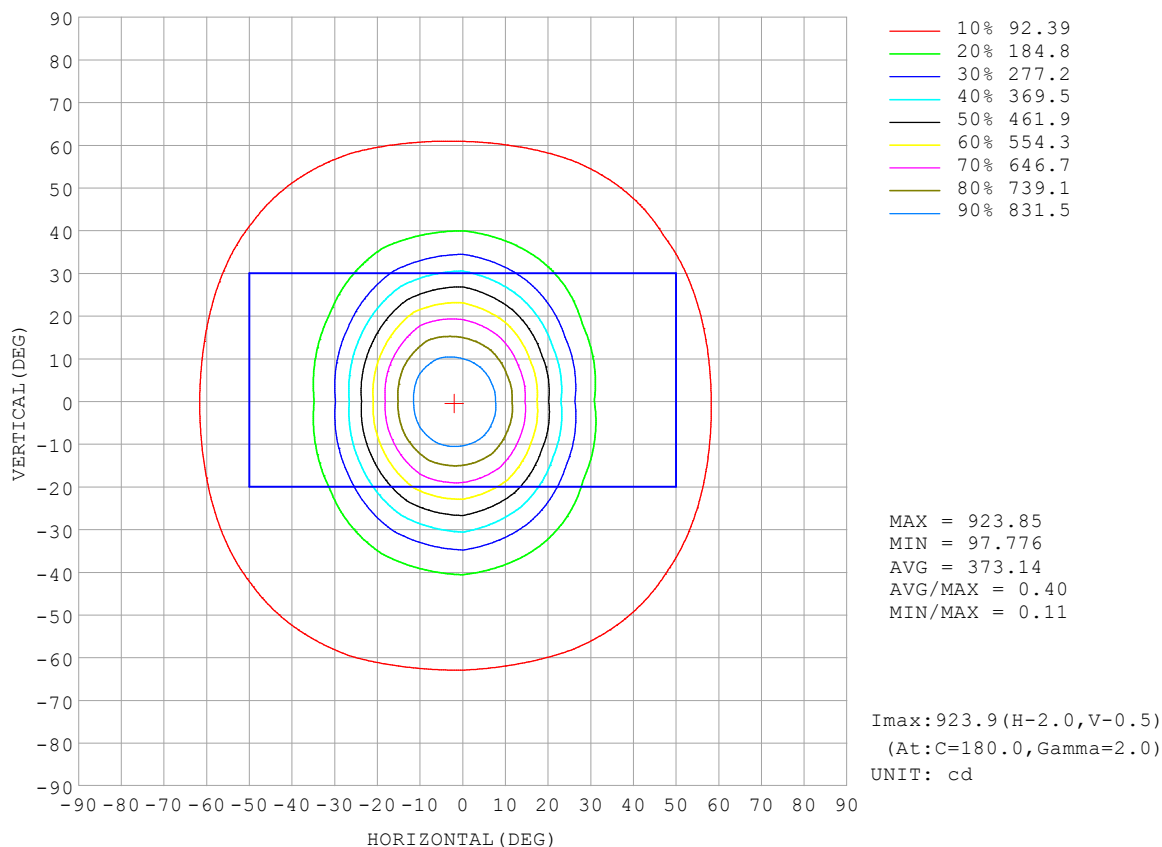
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	58	52	67	57	52	66	57	52	46
0.80	76	66	60	75	66	60	73	65	60	54
1.00	83	73	67	81	73	67	79	73	66	60
1.25	88	79	73	87	79	73	84	77	72	65
1.50	92	84	78	91	83	77	88	81	76	69
2.00	98	90	85	96	89	84	92	87	82	74
2.50	101	94	89	99	93	88	95	90	86	77
3.00	104	98	93	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	100	96	93	84
5.00	109	105	101	107	103	100	102	99	96	87
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LINZINA
Test Date: 2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

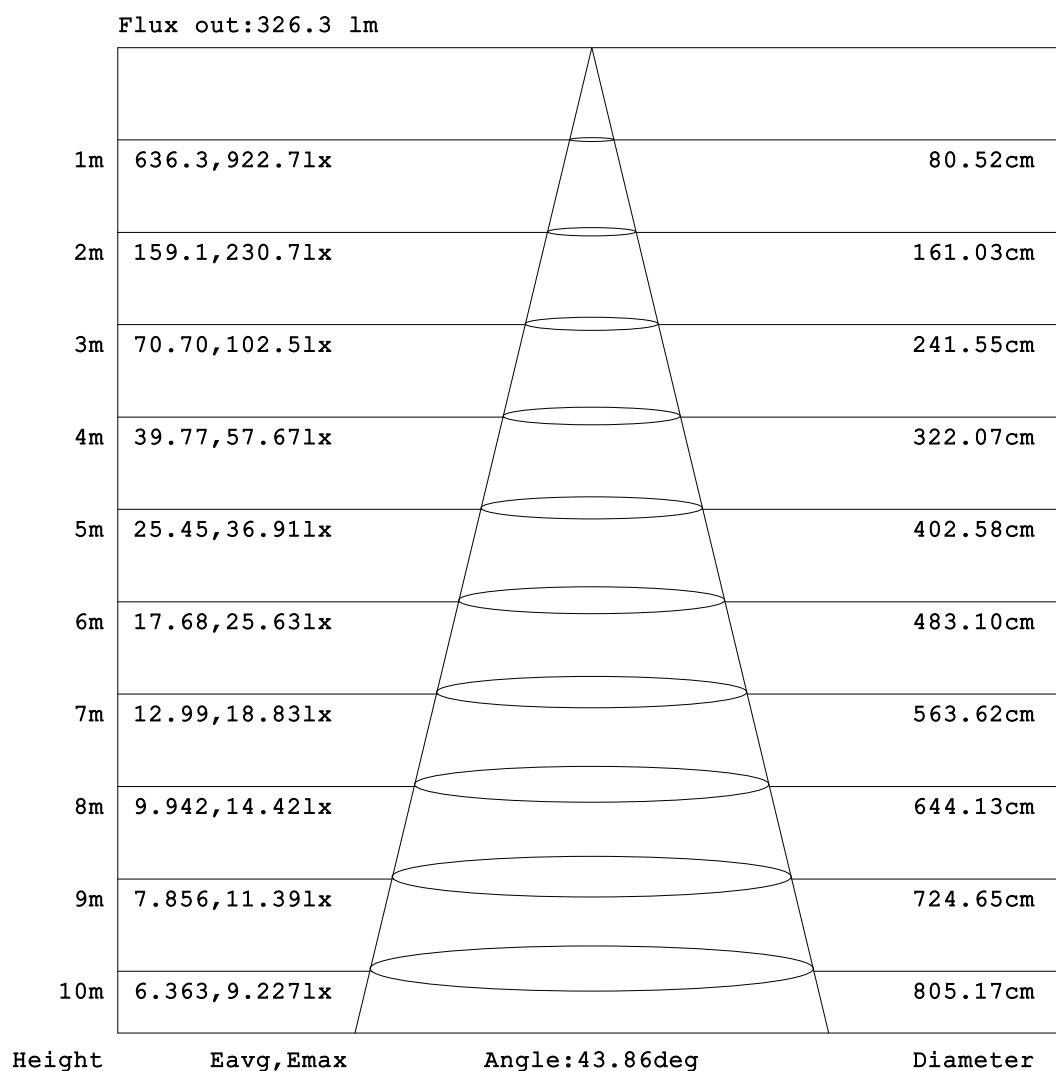


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



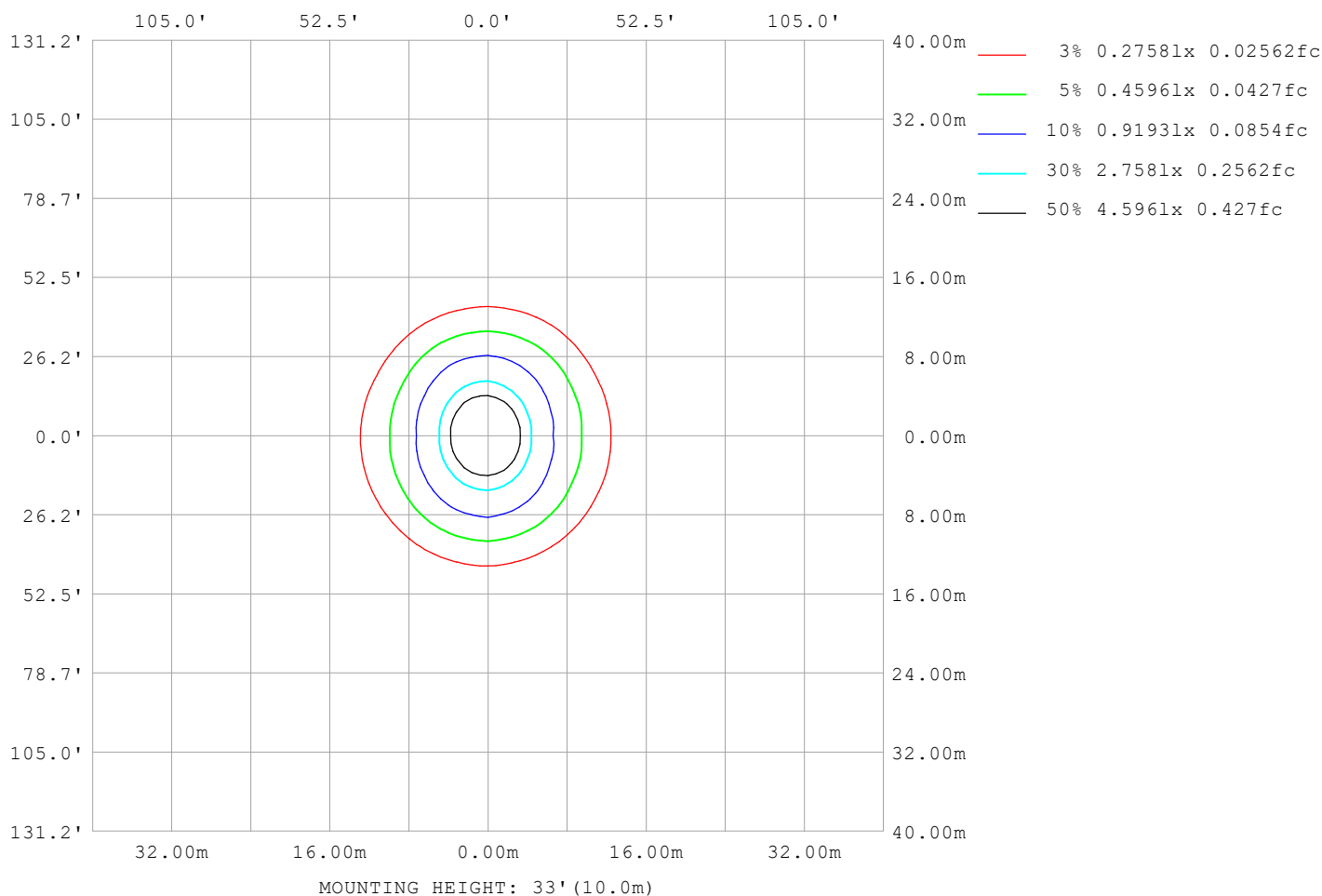
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3℃
 Operators: LINZINA
 Test Date: 2025-03-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 6.820m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

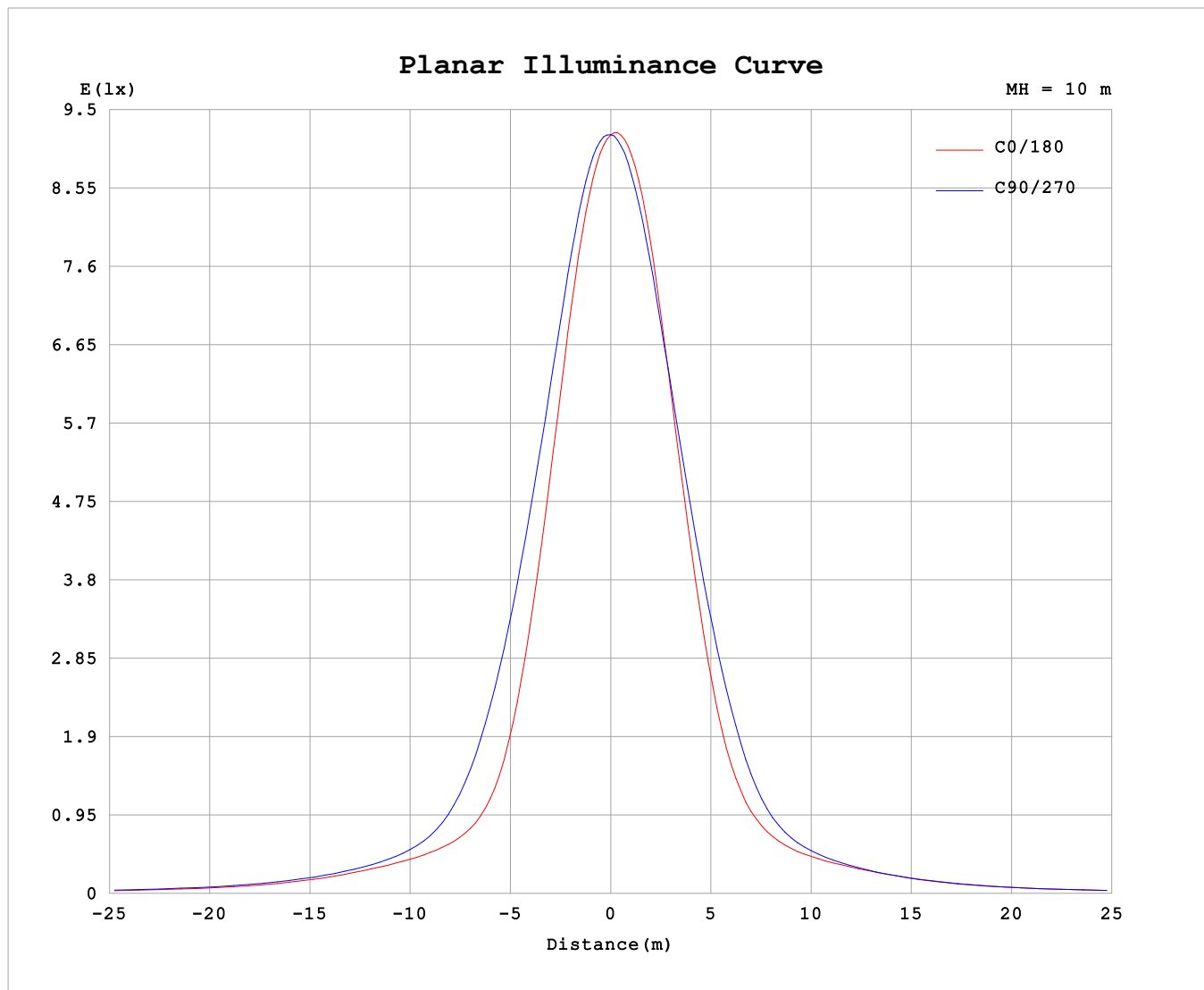
AvgL	cd/m2
L_0~180 (65) av	1847
L_0~180 (75) av	2194
L_0~180 (85) av	3333
L_90~270 (65) av	1999
L_90~270 (75) av	2380
L_90~270 (85) av	1813
L_45 (65) av	1922
L_45 (75) av	2304
L_45 (85) av	3099

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LINZINA
Test Date: 2025-03-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.843V I:0.4857A P:11.581W PF:1.0000 Freq:0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1026.9x1 lm		
NAME: S010120BC1LZ W	TYPE:	WEIGHT:
SPEC.:	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	920	920	920	920	920	920	920	920	920	920	920	920							
5	877	884	894	904	911	915	916	914	906	895	886	878							
10	780	799	823	839	854	861	861	864	854	831	811	788							
15	635	668	715	740	759	755	744	765	768	737	705	656							
20	468	512	585	625	639	609	586	619	653	627	577	504							
25	312	362	449	505	505	454	420	461	516	506	440	356							
30	198	240	323	385	371	313	272	316	377	382	313	233							
35	144	165	224	274	259	208	182	208	259	264	216	162							
40	125	135	165	192	183	155	142	154	183	184	161	134							
45	118	124	139	151	147	135	128	131	146	147	139	124							
50	114	117	126	133	132	126	123	122	129	130	126	116							
55	103	105	113	118	118	115	114	111	115	114	110	99.5							
60	87.0	89.4	97.0	101	102	97.7	98.0	95.5	97.7	95.5	92.6	86.4							
65	74.3	76.8	84.3	87.8	87.6	82.5	81.8	81.1	83.6	81.2	80.1	74.0							
70	64.8	68.7	76.2	79.6	79.4	73.5	70.2	72.4	76.1	75.2	70.4	66.4							
75	54.9	55.1	60.9	62.2	64.1	60.4	58.7	59.4	63.5	61.0	59.8	53.6							
80	42.7	38.0	42.4	39.1	45.3	42.9	46.3	42.0	44.8	37.8	41.1	37.8							
85	27.1	24.6	27.2	16.3	29.1	27.9	31.0	27.2	27.8	15.3	25.0	23.1							
90	17.7	16.8	18.5	1.88	19.4	18.6	20.0	17.9	18.4	1.43	13.6	12.9							
95	13.0	13.0	10.2	1.13	11.5	14.0	14.4	13.5	10.9	1.09	9.99	12.8							
100	8.67	6.81	1.36	1.27	1.30	8.06	10.2	7.61	1.12	1.25	1.35	6.93							
105	2.24	1.57	1.38	1.48	1.32	1.50	2.12	1.38	1.32	1.43	1.42	1.63							
110	1.41	1.48	1.59	1.70	1.51	1.41	1.32	1.33	1.59	1.71	1.71	1.52							
115	1.63	1.75	1.88	1.97	1.81	1.61	1.55	1.61	1.93	2.07	2.04	1.86							
120	2.03	2.13	2.29	2.37	2.21	1.89	1.87	2.00	2.33	2.48	2.46	2.28							
125	2.54	2.64	2.77	2.83	2.67	2.34	2.30	2.49	2.80	2.96	2.94	2.78							
130	3.15	3.20	3.32	3.34	3.21	2.89	2.82	3.03	3.33	3.46	3.49	3.35							
135	3.81	3.82	3.87	3.89	3.79	3.53	3.43	3.64	3.89	4.00	4.05	3.99							
140	4.49	4.46	4.42	4.43	4.37	4.20	4.11	4.28	4.47	4.54	4.61	4.62							
145	5.15	5.05	4.94	4.94	4.96	4.85	4.78	4.91	5.03	5.03	5.11	5.22							
150	5.70	5.56	5.36	5.40	5.48	5.47	5.42	5.51	5.55	5.48	5.54	5.71							
155	6.13	5.91	5.72	5.82	5.93	5.99	5.93	6.01	5.98	5.86	5.88	6.06							
160	6.38	6.16	6.03	6.16	6.28	6.40	6.26	6.38	6.32	6.19	6.17	6.28							
165	6.50	6.34	6.30	6.44	6.55	6.63	6.48	6.59	6.58	6.47	6.43	6.43							
170	6.57	6.51	6.55	6.68	6.73	6.75	6.60	6.71	6.77	6.71	6.66	6.59							
175	6.67	6.71	6.77	6.88	6.88	6.84	6.72	6.80	6.92	6.90	6.87	6.76							
180	6.77	6.86	6.94	6.99	6.97	6.91	6.77	6.86	6.95	7.00	6.99	6.90							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-03-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz

Lamp Flux:933.38x1 lm

NAME: S010120BB1LZ 6500±400K

TYPE: LED

WEIGHT:

SPEC.: 1000×10MM

DIM.: 1000×10MM

SERIAL No.:

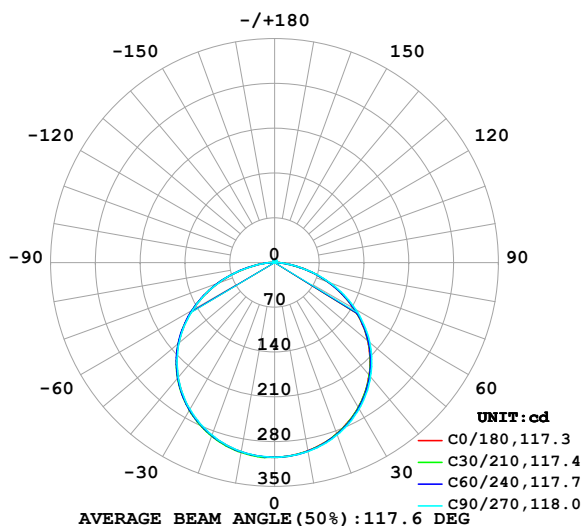
MFR.: iPixel LED

SUR.: 1000×10MM

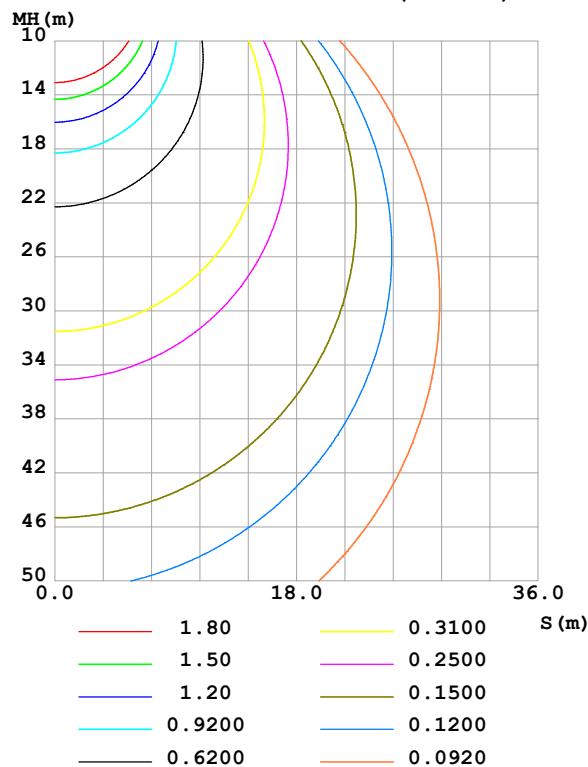
Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 110.15 lm/W
MODEL	S010120BB1LZ 6500±400K	I _{max} (cd)	304.9	S/MH(C0/180)	1.30	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	933.38	η UP,DN(C0-180)	0.8,48.9	
NOMINAL FLUX(lm)	933.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,49.4	
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	98.3	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: LZN
Test Date: 2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	298.9	299.2	299.8	300.3	300.4	300.9	300.0	299.4	0- 10	28.83	28.83	3.09,3.09
20	284.5	285.2	286.5	287.6	287.5	288.0	286.8	285.6	10- 20	83.12	112.0	12,12
30	261.6	262.4	264.3	265.8	265.6	266.4	264.9	262.8	20- 30	127.5	239.4	25.7,25.7
40	230.0	230.8	233.0	235.3	234.9	235.9	234.4	231.7	30- 40	156.3	395.8	42.4,42.4
50	190.1	191.1	194.2	196.0	196.0	196.8	195.1	192.2	40- 50	165.6	561.3	60.1,60.1
60	142.5	143.3	146.3	148.2	148.1	148.9	147.5	144.6	50- 60	152.7	714.1	76.5,76.5
70	89.28	89.25	91.45	93.77	93.41	94.56	93.61	90.75	60- 70	118.3	832.3	89.2,89.2
80	35.42	34.65	35.88	38.00	37.83	38.62	38.04	36.30	70- 80	67.44	899.8	96.4,96.4
90	2.673	2.340	1.627	3.540	3.527	3.256	1.662	2.822	80- 90	18.12	917.9	98.3,98.3
100	1.265	1.327	1.399	1.318	1.280	1.316	1.373	1.353	90-100	1.547	919.4	98.5,98.5
110	1.744	1.813	1.870	1.792	1.756	1.802	1.862	1.841	100-110	1.657	921.1	98.7,98.7
120	2.228	2.283	2.345	2.283	2.240	2.312	2.344	2.312	110-120	2.036	923.1	98.9,98.9
130	2.718	2.762	2.806	2.773	2.734	2.811	2.826	2.798	120-130	2.270	925.4	99.1,99.1
140	3.219	3.248	3.284	3.253	3.242	3.302	3.308	3.286	130-140	2.337	927.7	99.4,99.4
150	3.667	3.714	3.730	3.703	3.690	3.749	3.758	3.748	140-150	2.193	929.9	99.6,99.6
160	4.076	4.107	4.107	4.104	4.109	4.154	4.146	4.148	150-160	1.812	931.7	99.8,99.8
170	4.410	4.426	4.409	4.422	4.461	4.470	4.452	4.462	160-170	1.211	932.9	100,100
180	4.613	4.609	4.557	4.590	4.617	4.605	4.618	4.615	170-180	0.4312	933.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 478.73 lm

%lum = 51.3%

%lamp = 51.3%

Conical surface Flux(130deg): 778.7 lm

%lum = 83.4%

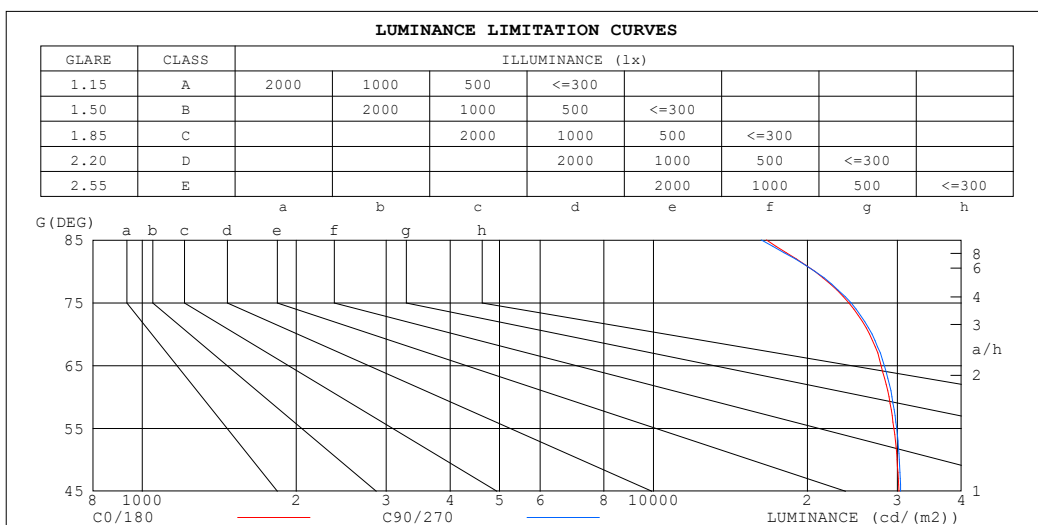
%lamp = 83.4%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	16631	16264
80	20666	20687
75	24093	24346
70	26448	26773
65	27864	28289
60	28885	29289
55	29525	29895
50	29961	30253
45	30235	30434

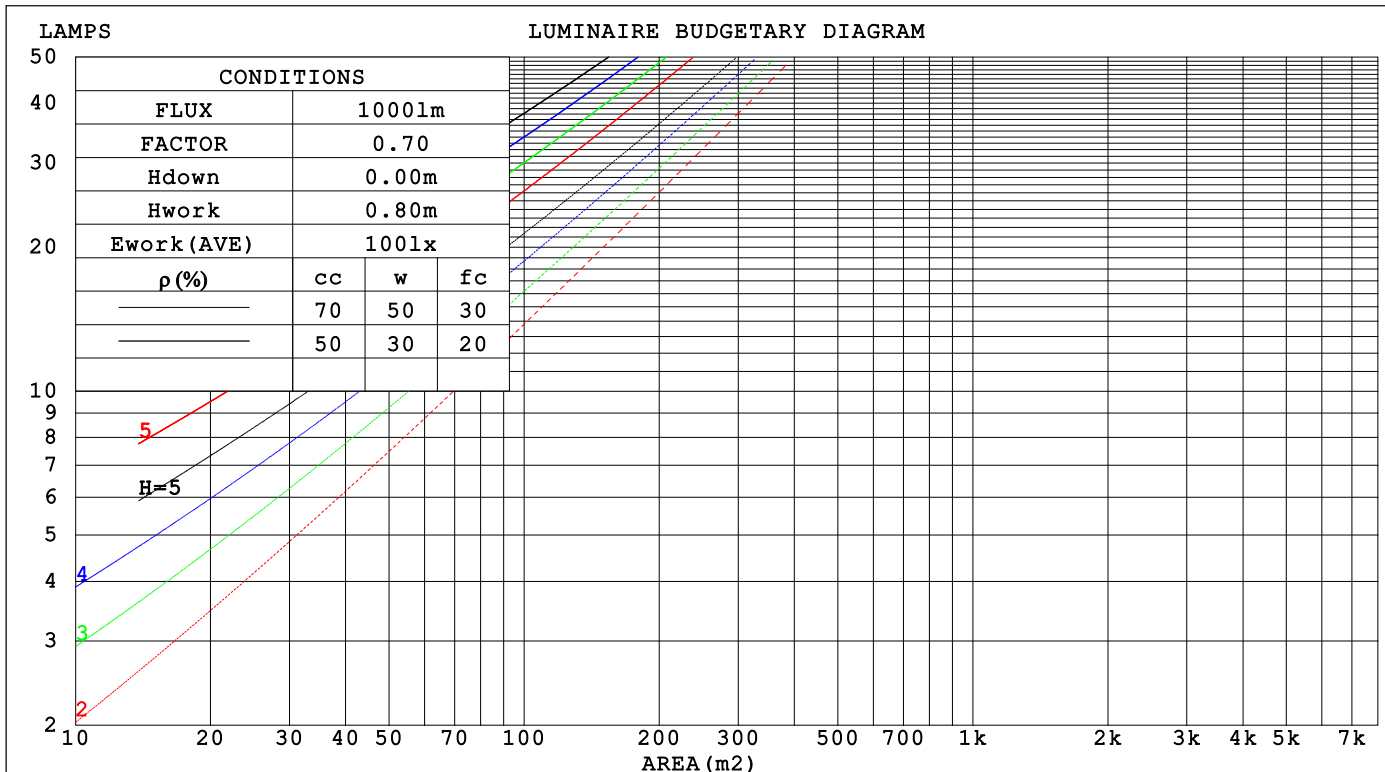
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz		
Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.314	.179	.057	.306	.175	.056	.292	.168	.054	.279	.161	.052	.267	.155	.050		
2.0	.295	.162	.050	.289	.159	.049	.276	.153	.048	.264	.148	.046	.254	.143	.045		
3.0	.273	.145	.044	.267	.143	.043	.256	.139	.042	.245	.134	.041	.236	.131	.040		
4.0	.252	.131	.038	.246	.129	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.211	.111	.033	.203	.108	.033		
6.0	.215	.108	.031	.211	.107	.031	.203	.104	.030	.196	.102	.030	.189	.099	.030		
7.0	.200	.099	.028	.197	.098	.028	.189	.096	.028	.183	.094	.027	.176	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.177	.088	.025	.171	.087	.025	.165	.085	.025		
9.0	.175	.085	.024	.172	.084	.024	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.203	.203	.203	.174	.174	.174	.118	.118	.118	.068	.068	.068	.022	.022	.022		
1.0	.193	.169	.147	.165	.145	.126	.113	.100	.087	.065	.058	.051	.021	.019	.016		
2.0	.186	.145	.110	.159	.125	.095	.109	.086	.067	.063	.050	.039	.020	.016	.013		
3.0	.178	.127	.087	.153	.110	.075	.105	.076	.053	.060	.045	.031	.019	.014	.010		
4.0	.170	.114	.071	.146	.099	.062	.101	.069	.043	.058	.040	.026	.019	.013	.008		
5.0	.163	.104	.060	.140	.090	.052	.096	.063	.037	.056	.037	.022	.018	.012	.007		
6.0	.156	.095	.052	.134	.083	.045	.092	.058	.032	.054	.034	.019	.017	.011	.006		
7.0	.149	.089	.046	.128	.077	.040	.089	.054	.028	.051	.032	.017	.017	.010	.006		
8.0	.143	.083	.042	.123	.072	.036	.085	.050	.026	.049	.030	.015	.016	.010	.005		
9.0	.136	.078	.038	.118	.068	.033	.081	.047	.024	.047	.028	.014	.015	.009	.005		
10.0	.131	.074	.035	.113	.064	.031	.078	.045	.022	.046	.027	.013	.015	.009	.004		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm										
NAME: S010120BB1LZ 6500±400K					TYPE: LED			WEIGHT:		
SPEC.: 1000×10MM					DIM.: 1000×10MM			SERIAL No.:		
MFR.: iPixel LED					SUR.: 1000×10MM			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.8	26.3	25.0	26.5	26.7	24.9	26.4	25.1	26.6	26.8
3H	26.3	27.7	26.6	28.0	28.2	26.4	27.8	26.7	28.1	28.4
4H	26.9	28.2	27.2	28.5	28.8	27.0	28.3	27.3	28.6	28.9
6H	27.3	28.6	27.7	28.9	29.2	27.4	28.6	27.8	29.0	29.3
8H	27.4	28.6	27.8	28.9	29.3	27.5	28.7	27.9	29.0	29.4
12H	27.5	28.6	27.8	29.0	29.3	27.5	28.7	27.9	29.0	29.4
4H 2H	25.4	26.7	25.7	27.0	27.3	25.5	26.8	25.8	27.1	27.4
3H	27.1	28.3	27.5	28.6	28.9	27.2	28.3	27.6	28.7	29.0
4H	27.8	28.9	28.2	29.2	29.6	27.9	29.0	28.3	29.3	29.7
6H	28.3	29.3	28.7	29.6	30.0	28.4	29.3	28.8	29.7	30.1
8H	28.5	29.3	28.9	29.7	30.2	28.5	29.4	29.0	29.8	30.2
12H	28.6	29.4	29.0	29.8	30.2	28.6	29.4	29.1	29.9	30.3
8H 4H	28.0	28.9	28.5	29.3	29.7	28.1	29.0	28.6	29.4	29.8
6H	28.7	29.4	29.1	29.8	30.3	28.8	29.5	29.2	29.9	30.4
8H	28.9	29.6	29.4	30.0	30.5	29.0	29.6	29.5	30.1	30.6
12H	29.1	29.6	29.6	30.1	30.6	29.1	29.7	29.6	30.2	30.7
12H 4H	28.0	28.9	28.5	29.3	29.7	28.1	28.9	28.6	29.3	29.8
6H	28.7	29.4	29.2	29.8	30.3	28.8	29.4	29.3	29.9	30.4
8H	29.0	29.5	29.5	30.0	30.5	29.0	29.6	29.5	30.1	30.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 933.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

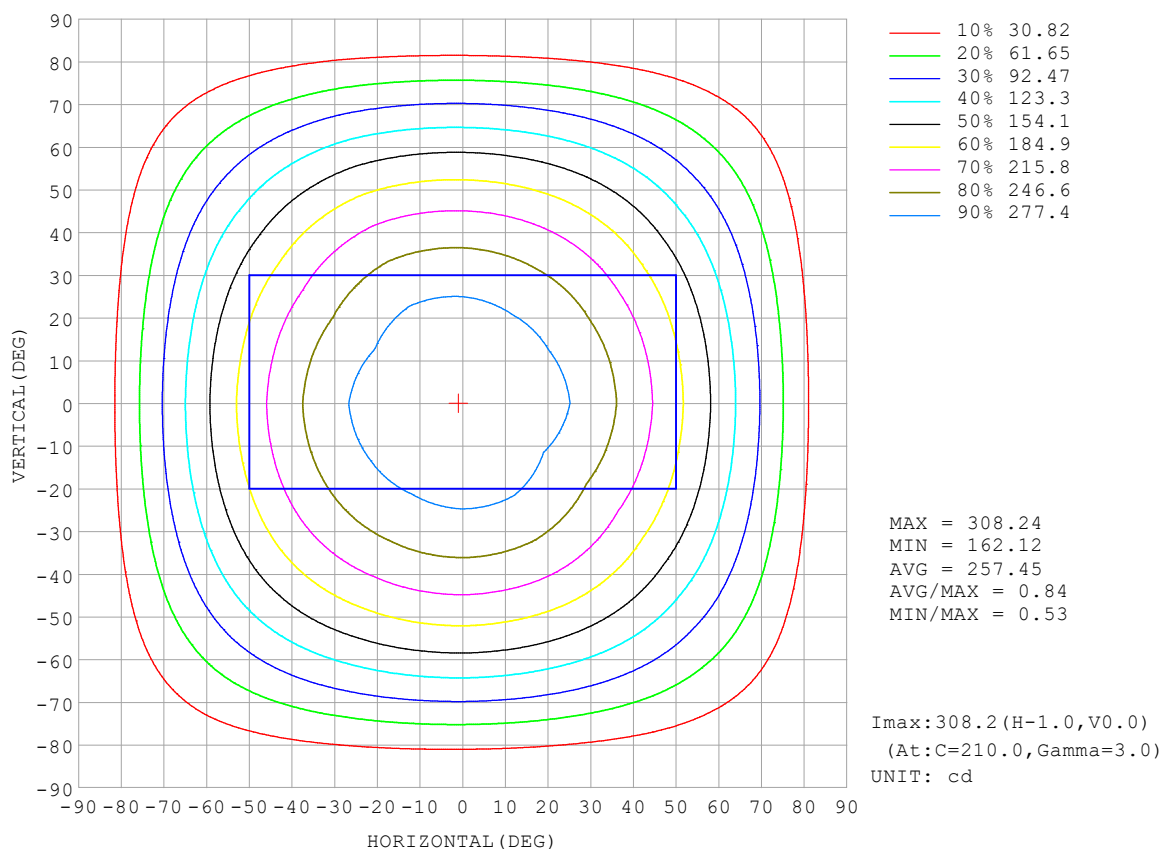
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	44	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

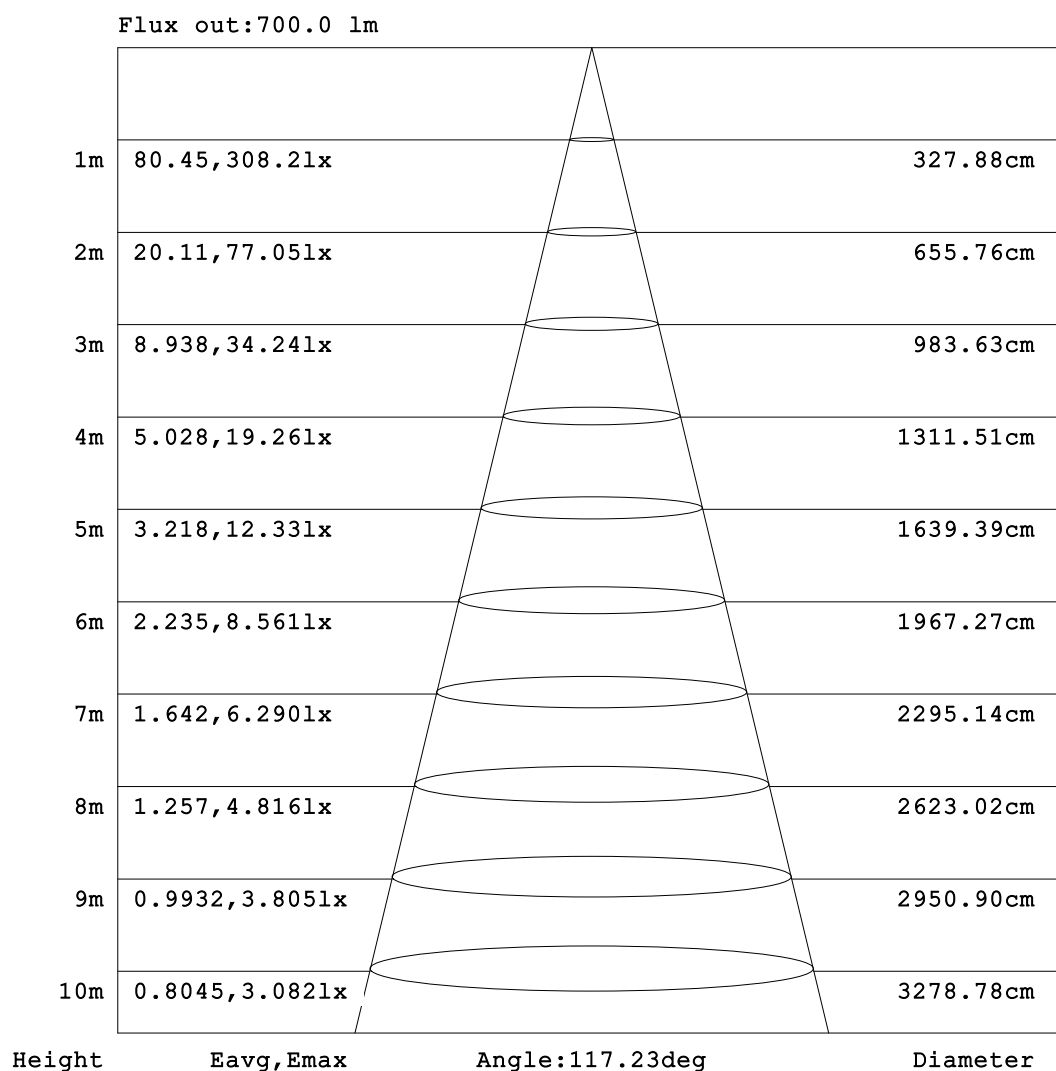


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



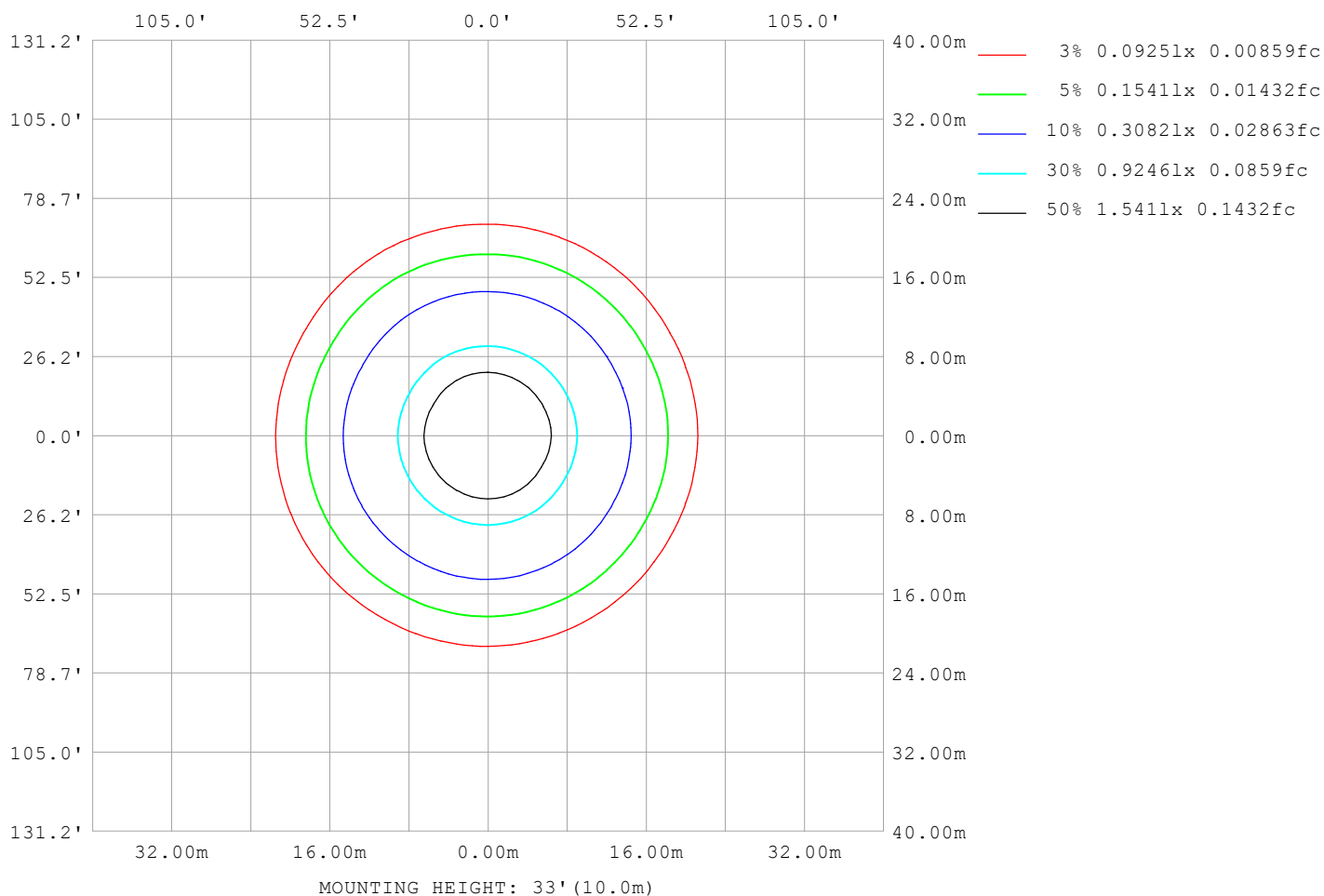
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

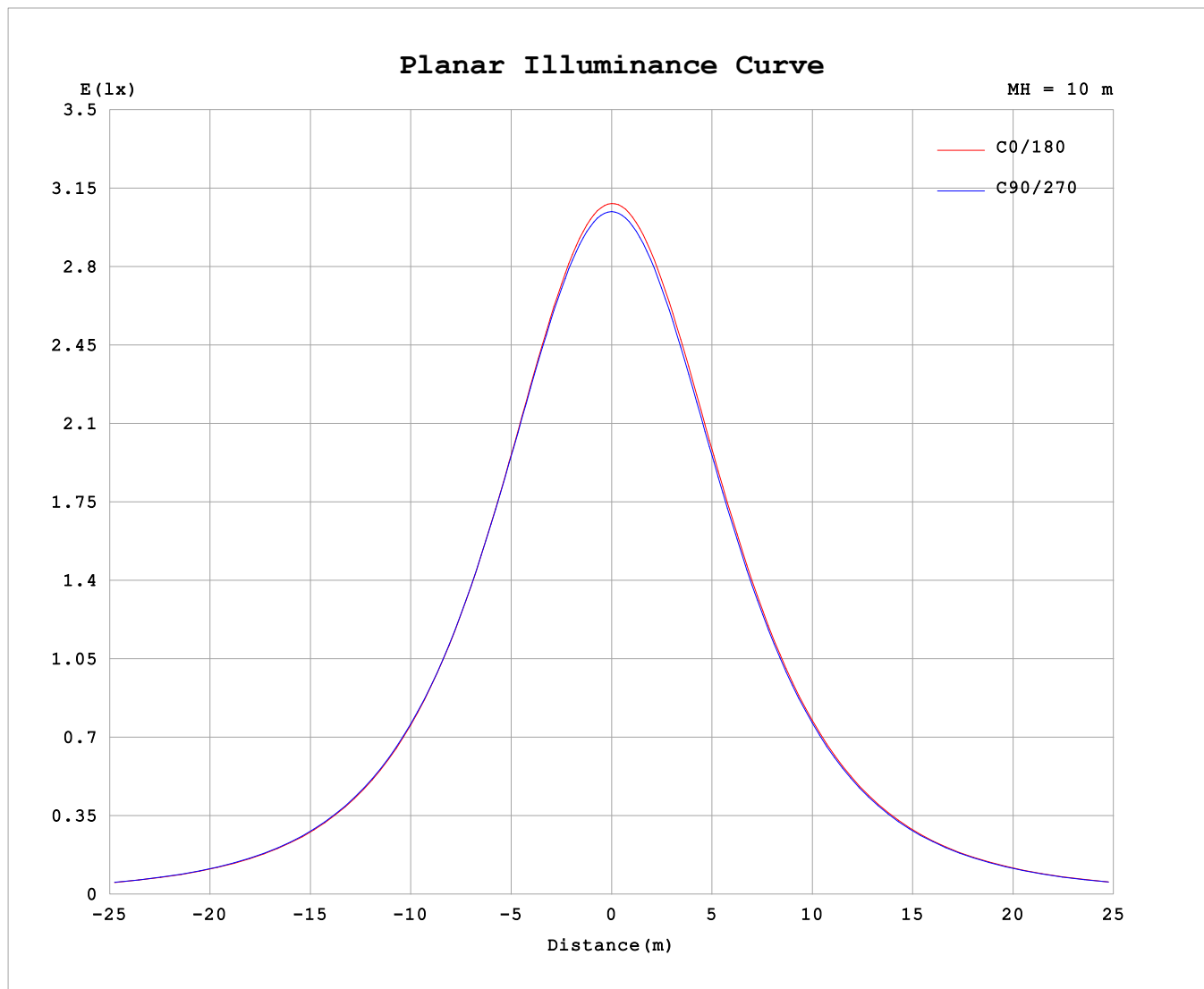
AvgL	cd/m2
L_0~180 (65) av	28127
L_0~180 (75) av	24439
L_0~180 (85) av	17075
L_90~270 (65) av	28432
L_90~270 (75) av	24747
L_90~270 (85) av	17076
L_45 (65) av	28320
L_45 (75) av	24645
L_45 (85) av	17332

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.999V I:0.7062A P:8.4737W PF:1.0000 Freq:0Hz Lamp Flux:933.38x1 lm		
NAME: S010120BB1LZ 6500±400K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	304	304	304	304	304	304	304	304	304	304	304	304							
5	303	303	303	303	303	303	303	304	303	303	303	303							
10	299	299	299	300	300	300	300	301	300	300	300	299							
15	293	293	294	294	295	295	295	296	295	295	294	293							
20	285	285	286	287	287	288	287	289	288	287	286	285							
25	274	274	275	276	277	278	278	279	278	277	276	274							
30	262	262	263	264	265	266	266	267	266	265	264	262							
35	247	247	248	250	251	252	251	253	252	251	250	247							
40	230	230	231	233	235	236	235	236	236	234	233	230							
45	211	212	212	215	216	218	217	217	217	216	215	211							
50	190	191	191	194	195	197	196	197	197	195	194	190							
55	167	168	168	171	172	174	173	173	174	172	171	167							
60	143	143	143	146	147	149	148	149	149	148	146	143							
65	116	117	117	119	121	122	122	122	123	121	120	116							
70	89.3	89.0	89.5	91.5	93.0	94.5	93.4	94.5	94.6	93.6	92.2	89.3							
75	61.5	61.1	61.2	62.9	64.4	66.0	65.0	65.9	66.1	65.2	64.0	61.5							
80	35.4	34.8	34.5	35.9	37.2	38.8	37.8	38.5	38.7	38.0	37.2	35.4							
85	14.3	13.7	13.4	14.2	15.2	16.5	15.5	16.1	16.2	15.6	15.3	14.3							
90	2.67	2.44	2.25	1.63	3.23	3.85	3.53	3.44	3.08	1.66	3.01	2.64							
95	1.11	1.16	1.13	1.15	1.16	1.26	1.27	1.27	1.17	1.14	1.16	1.17							
100	1.26	1.32	1.34	1.40	1.34	1.30	1.28	1.28	1.36	1.37	1.39	1.31							
105	1.50	1.55	1.58	1.64	1.58	1.53	1.51	1.51	1.60	1.61	1.63	1.56							
110	1.74	1.80	1.83	1.87	1.82	1.76	1.76	1.76	1.85	1.86	1.88	1.80							
115	1.99	2.04	2.06	2.11	2.07	2.01	2.01	2.01	2.11	2.11	2.11	2.04							
120	2.23	2.27	2.29	2.35	2.31	2.26	2.24	2.25	2.37	2.34	2.34	2.28							
125	2.47	2.50	2.53	2.57	2.55	2.51	2.49	2.50	2.61	2.57	2.58	2.52							
130	2.72	2.76	2.77	2.81	2.79	2.75	2.73	2.75	2.87	2.83	2.83	2.77							
135	2.97	3.00	3.01	3.05	3.03	3.00	2.99	3.00	3.11	3.06	3.07	3.02							
140	3.22	3.24	3.25	3.28	3.27	3.24	3.24	3.25	3.36	3.31	3.31	3.26							
145	3.45	3.49	3.50	3.52	3.50	3.47	3.48	3.48	3.59	3.55	3.55	3.49							
150	3.67	3.71	3.72	3.73	3.74	3.67	3.69	3.69	3.80	3.76	3.77	3.72							
155	3.88	3.91	3.93	3.93	3.95	3.88	3.90	3.91	4.02	3.96	3.99	3.92							
160	4.08	4.10	4.11	4.11	4.14	4.07	4.11	4.10	4.21	4.15	4.18	4.12							
165	4.26	4.28	4.28	4.27	4.30	4.25	4.30	4.28	4.37	4.32	4.34	4.29							
170	4.41	4.43	4.43	4.41	4.44	4.40	4.46	4.43	4.51	4.45	4.49	4.44							
175	4.53	4.54	4.54	4.52	4.56	4.52	4.58	4.55	4.61	4.57	4.60	4.55							
180	4.61	4.61	4.61	4.56	4.63	4.55	4.62	4.61	4.60	4.62	4.63	4.61							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

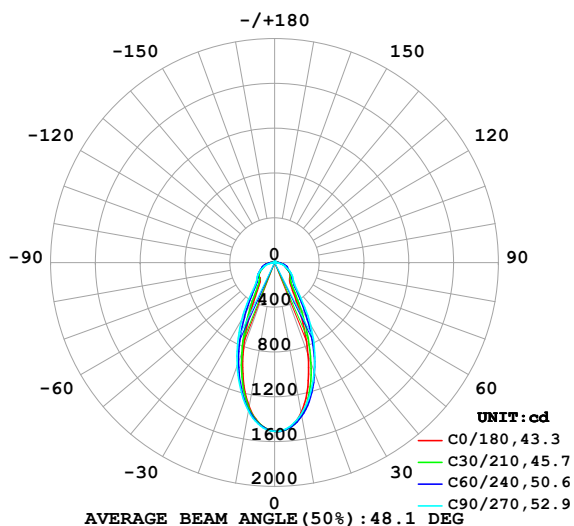
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

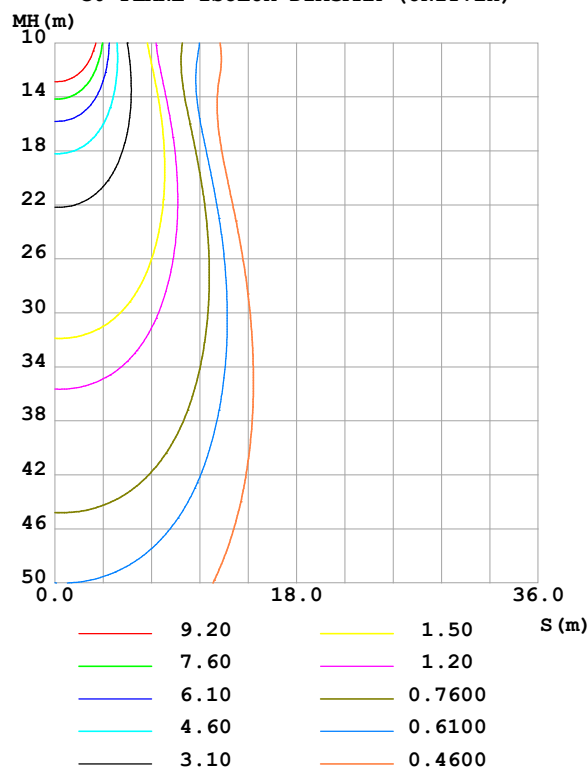
Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 84.88 lm/W
MODEL	S010240BC1LZ(T) 3000±300K	I _{max} (cd)	1510	S/MH(C0/180)	0.68	
NOMINAL POWER(W)	19W	LOR(%)	100.0	S/MH(C90/270)	0.78	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1626.1	η UP,DN(C0-180)	1.4,49.5	
NOMINAL FLUX(lm)	1626.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,47.7	
LAMPS INSIDE	1	η up (%)	2.8	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	24	η down (%)	97.2	CIBSE SHR MAX	0.80	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1364	1390	1373	1334	1310	1330	1348	1367	0- 10	136.5	136.5	8.4,8.4
20	874.3	996.9	1038	925.1	816.4	902.5	979.4	954.6	10- 20	322.5	459.0	28.2,28.2
30	386.5	524.7	642.9	479.1	347.3	460.9	586.4	495.9	20- 30	320.6	779.6	47.9,47.9
40	210.3	256.2	304.7	244.4	200.9	236.8	284.2	245.8	30- 40	213.7	993.3	61.1,61.1
50	184.1	197.2	213.6	198.9	185.4	192.6	204.1	192.2	40- 50	166.6	1160	71.3,71.3
60	142.5	148.5	156.5	149.4	145.3	147.4	152.3	147.8	50- 60	155.9	1316	80.9,80.9
70	101.8	116.4	101.5	118.0	105.9	114.9	98.37	115.2	60- 70	125.6	1441	88.6,88.6
80	67.64	65.98	43.41	73.19	74.01	66.20	33.88	61.66	70- 80	94.22	1536	94.4,94.4
90	27.73	27.88	4.605	31.41	31.49	28.98	1.383	27.29	80- 90	44.39	1580	97.2,97.2
100	12.20	5.399	2.075	8.562	14.22	6.144	1.894	5.551	90-100	17.43	1598	98.2,98.2
110	2.087	2.293	2.770	3.227	2.288	2.474	2.804	2.653	100-110	3.514	1601	98.5,98.5
120	3.005	3.287	3.742	3.997	3.371	3.721	4.069	3.786	110-120	3.053	1604	98.6,98.6
130	4.632	4.832	5.225	5.288	5.089	5.437	5.688	5.425	120-130	3.919	1608	98.9,98.9
140	6.715	6.721	6.942	7.175	7.144	7.385	7.427	7.314	130-140	4.745	1613	99.2,99.2
150	8.793	8.482	8.554	9.032	9.074	9.153	8.938	8.880	140-150	5.016	1618	99.5,99.5
160	10.17	9.696	9.862	10.28	10.17	10.29	10.03	9.970	150-160	4.394	1622	99.8,99.8
170	10.62	10.43	10.69	10.82	10.48	10.75	10.79	10.64	160-170	2.933	1625	99.9,99.9
180	10.80	11.01	11.22	11.16	10.79	11.01	11.25	11.17	170-180	1.032	1626	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1077.4 lm

%lum = 66.3%

%lamp = 66.3%

Conical surface Flux(130deg): 1382 lm

%lum = 85.0%

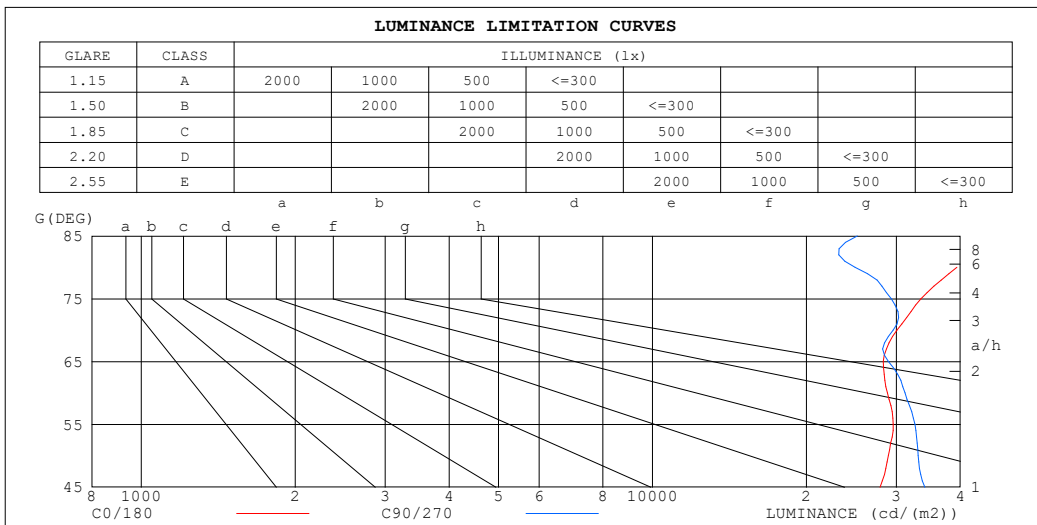
%lamp = 85.0%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	50552	25156
80	39379	24903
75	33513	29320
70	30075	29565
65	28286	28951
60	28807	31171
55	29577	32611
50	28951	33101
45	27871	34092

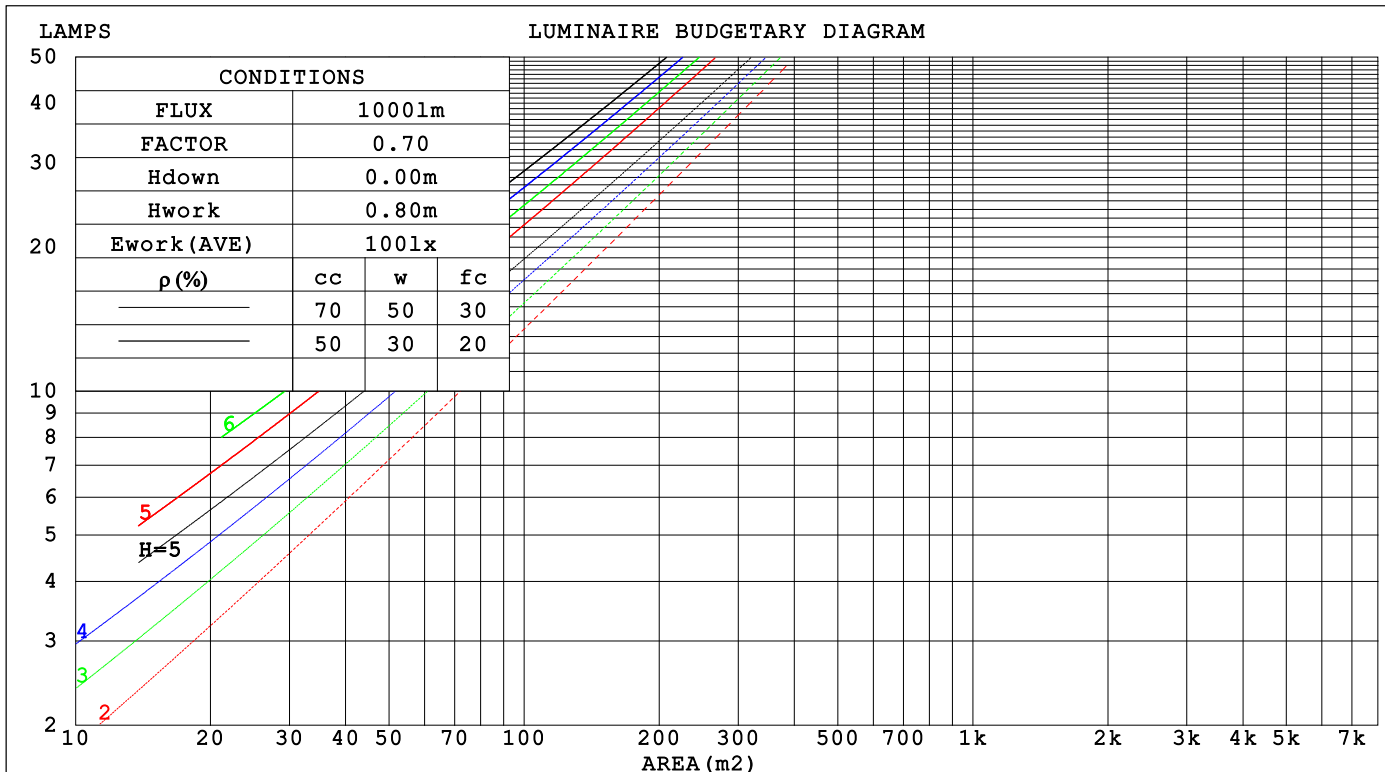
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: LZN
Test Date: 2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz		
Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.05	1.01	.98	1.02	.99	.96	.98	.95	.92	.93	.91	.89	.89	.88	.86	.84
2.0	.94	.88	.83	.92	.86	.82	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.85	.78	.72	.83	.77	.71	.80	.74	.70	.77	.72	.68	.74	.70	.67	.65
4.0	.77	.70	.64	.76	.69	.63	.73	.67	.62	.70	.65	.61	.68	.64	.60	.58
5.0	.71	.63	.57	.70	.62	.57	.67	.61	.56	.65	.60	.55	.63	.58	.55	.53
6.0	.65	.58	.52	.64	.57	.52	.62	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.61	.53	.48	.60	.53	.48	.58	.52	.47	.57	.51	.47	.55	.50	.46	.44
8.0	.57	.49	.44	.56	.49	.44	.55	.48	.44	.53	.47	.43	.52	.47	.43	.41
9.0	.53	.46	.41	.53	.46	.41	.51	.45	.41	.50	.44	.40	.49	.44	.40	.39
10.0	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.46	.41	.38	.36



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz					
Lamp Flux:1626.1x1 lm					
NAME: S010240BC1LZ(T) 3000±300K			TYPE: LED		WEIGHT:
SPEC.: 1000×10MM			DIM.: 1000×10MM		SERIAL No.:
MFR.: iPixel LED			SUR.: 1000×10MM		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.277	.157	.050	.269	.153	.049	.254	.146	.047	.241	.139	.045	.228	.132	.043		
2.0	.253	.138	.042	.246	.135	.042	.233	.130	.040	.221	.124	.039	.210	.119	.037		
3.0	.231	.123	.037	.225	.121	.036	.214	.116	.035	.203	.111	.034	.194	.107	.033		
4.0	.212	.110	.032	.207	.108	.032	.197	.105	.031	.188	.101	.030	.179	.098	.030		
5.0	.196	.100	.029	.192	.098	.029	.183	.095	.028	.175	.092	.027	.167	.089	.027		
6.0	.182	.091	.026	.178	.090	.026	.170	.087	.025	.163	.085	.025	.156	.082	.024		
7.0	.170	.084	.024	.167	.083	.024	.160	.081	.023	.153	.078	.023	.147	.076	.022		
8.0	.160	.078	.022	.156	.077	.022	.150	.075	.021	.144	.073	.021	.139	.071	.021		
9.0	.150	.073	.020	.147	.072	.020	.142	.070	.020	.136	.068	.020	.131	.067	.019		
10.0	.142	.068	.019	.139	.067	.019	.134	.066	.018	.129	.064	.018	.124	.063	.018		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023		
1.0	.200	.178	.159	.171	.153	.137	.117	.105	.094	.067	.061	.055	.022	.020	.018		
2.0	.189	.154	.125	.162	.133	.108	.111	.092	.075	.064	.053	.044	.021	.017	.014		
3.0	.179	.136	.102	.153	.117	.088	.105	.082	.062	.061	.048	.036	.020	.015	.012		
4.0	.170	.122	.086	.146	.106	.075	.100	.074	.053	.058	.043	.031	.019	.014	.010		
5.0	.162	.111	.074	.139	.096	.065	.096	.067	.046	.055	.040	.027	.018	.013	.009		
6.0	.154	.103	.066	.132	.089	.057	.091	.062	.041	.053	.037	.024	.017	.012	.008		
7.0	.147	.095	.059	.126	.083	.052	.087	.058	.037	.051	.034	.022	.016	.011	.007		
8.0	.141	.089	.054	.121	.078	.047	.084	.054	.034	.049	.032	.020	.016	.011	.007		
9.0	.135	.084	.050	.116	.073	.044	.080	.051	.031	.047	.030	.019	.015	.010	.006		
10.0	.129	.080	.047	.112	.069	.041	.077	.049	.029	.045	.029	.017	.015	.009	.006		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm										
NAME: S010240BC1LZ(T) 3000±300K					TYPE: LED			WEIGHT:		
SPEC.: 1000×10MM					DIM.: 1000×10MM			SERIAL No.:		
MFR.: iPixel LED					SUR.: 1000×10MM			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	21.1	22.3	21.4	22.5	22.8	21.7	23.0	22.0	23.2	23.4
3H	22.9	24.1	23.3	24.3	24.6	23.4	24.5	23.7	24.8	25.1
4H	23.9	25.0	24.3	25.3	25.6	24.2	25.3	24.5	25.6	25.9
6H	24.9	25.9	25.3	26.2	26.6	24.7	25.8	25.1	26.1	26.4
8H	25.3	26.3	25.7	26.7	27.0	24.9	25.9	25.3	26.2	26.6
12H	25.7	26.7	26.1	27.0	27.4	25.0	26.0	25.4	26.3	26.7
4H 2H	21.8	22.9	22.2	23.2	23.5	22.3	23.4	22.7	23.7	24.0
3H	24.0	24.9	24.4	25.3	25.6	24.4	25.3	24.8	25.7	26.0
4H	25.1	26.0	25.5	26.4	26.8	25.4	26.3	25.8	26.7	27.0
6H	26.2	27.0	26.7	27.4	27.8	26.1	26.9	26.6	27.3	27.7
8H	26.7	27.5	27.2	27.9	28.3	26.3	27.1	26.8	27.5	27.9
12H	27.2	27.9	27.7	28.3	28.8	26.5	27.2	27.0	27.6	28.1
8H 4H	25.6	26.4	26.1	26.8	27.2	25.9	26.6	26.3	27.0	27.5
6H	26.9	27.5	27.4	28.0	28.5	26.9	27.5	27.3	27.9	28.4
8H	27.5	28.1	28.0	28.5	29.0	27.2	27.8	27.7	28.3	28.8
12H	28.1	28.6	28.6	29.1	29.6	27.6	28.0	28.1	28.5	29.1
12H 4H	25.7	26.4	26.2	26.8	27.3	25.9	26.6	26.4	27.0	27.5
6H	27.0	27.6	27.5	28.1	28.6	27.0	27.5	27.5	28.0	28.5
8H	27.7	28.2	28.2	28.7	29.2	27.5	27.9	28.0	28.4	29.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.1 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 1626 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

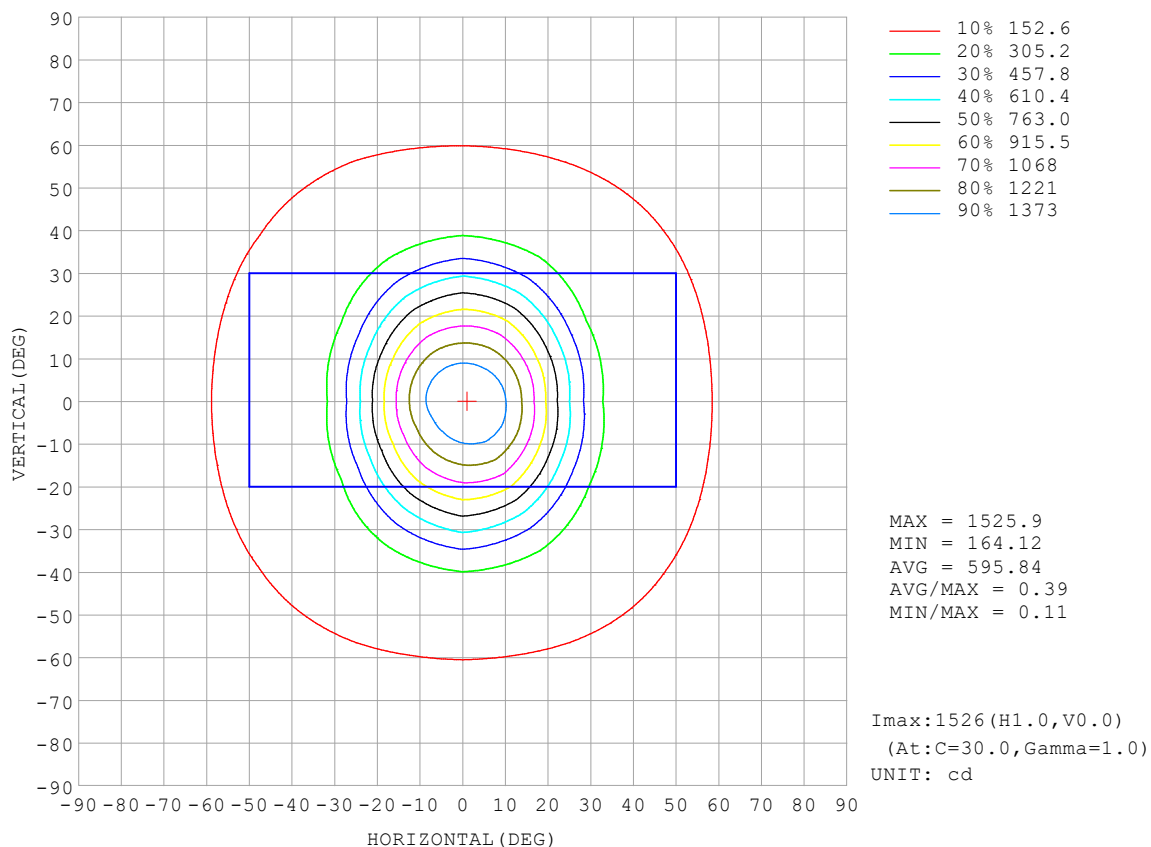
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	47
0.80	76	67	61	75	66	61	74	66	60	54
1.00	83	74	68	82	73	67	80	74	67	60
1.25	89	80	74	87	79	73	85	78	72	66
1.50	93	84	78	91	83	78	88	82	77	70
2.00	98	91	85	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	97	93	89	81
4.00	107	102	98	105	100	97	100	97	94	84
5.00	109	105	101	107	103	100	102	99	96	87
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

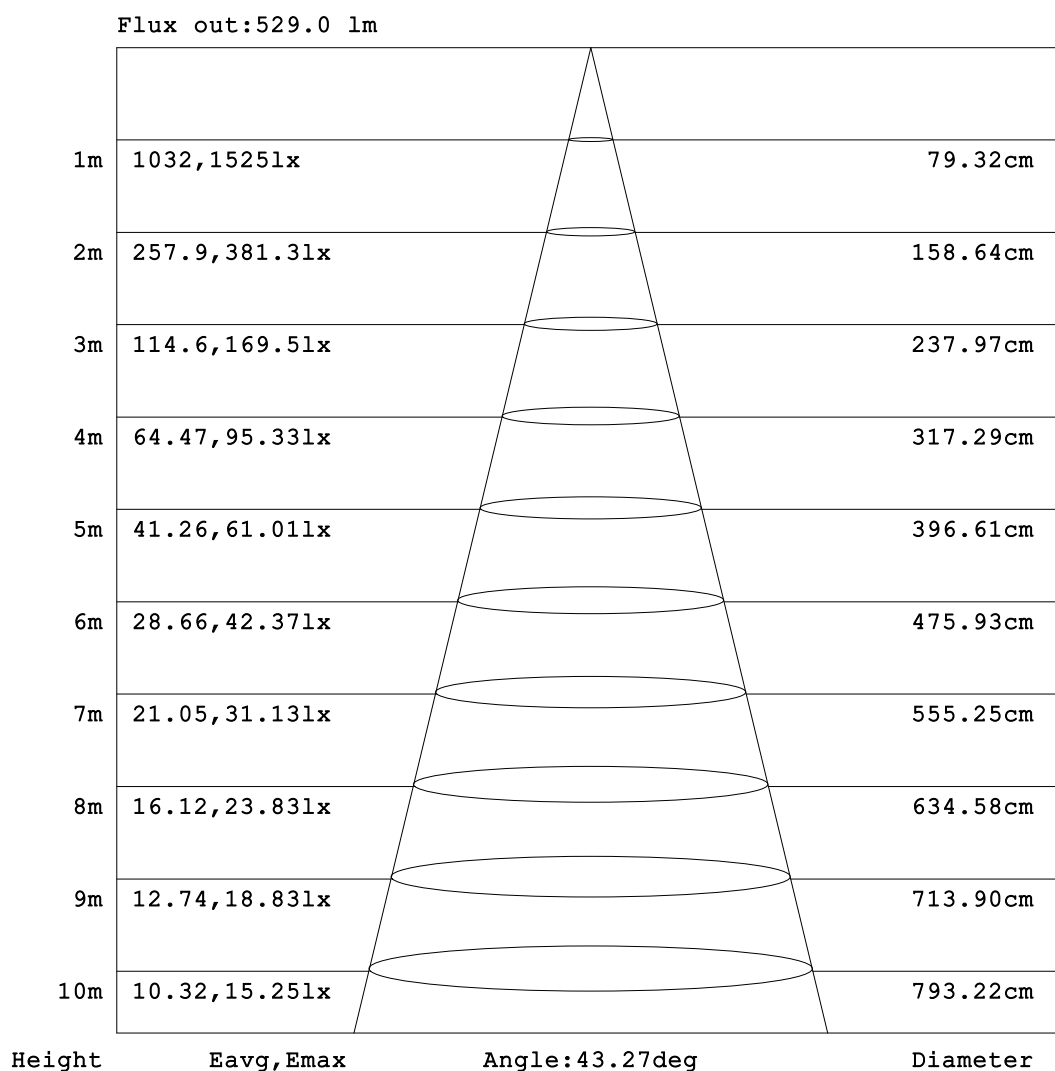


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



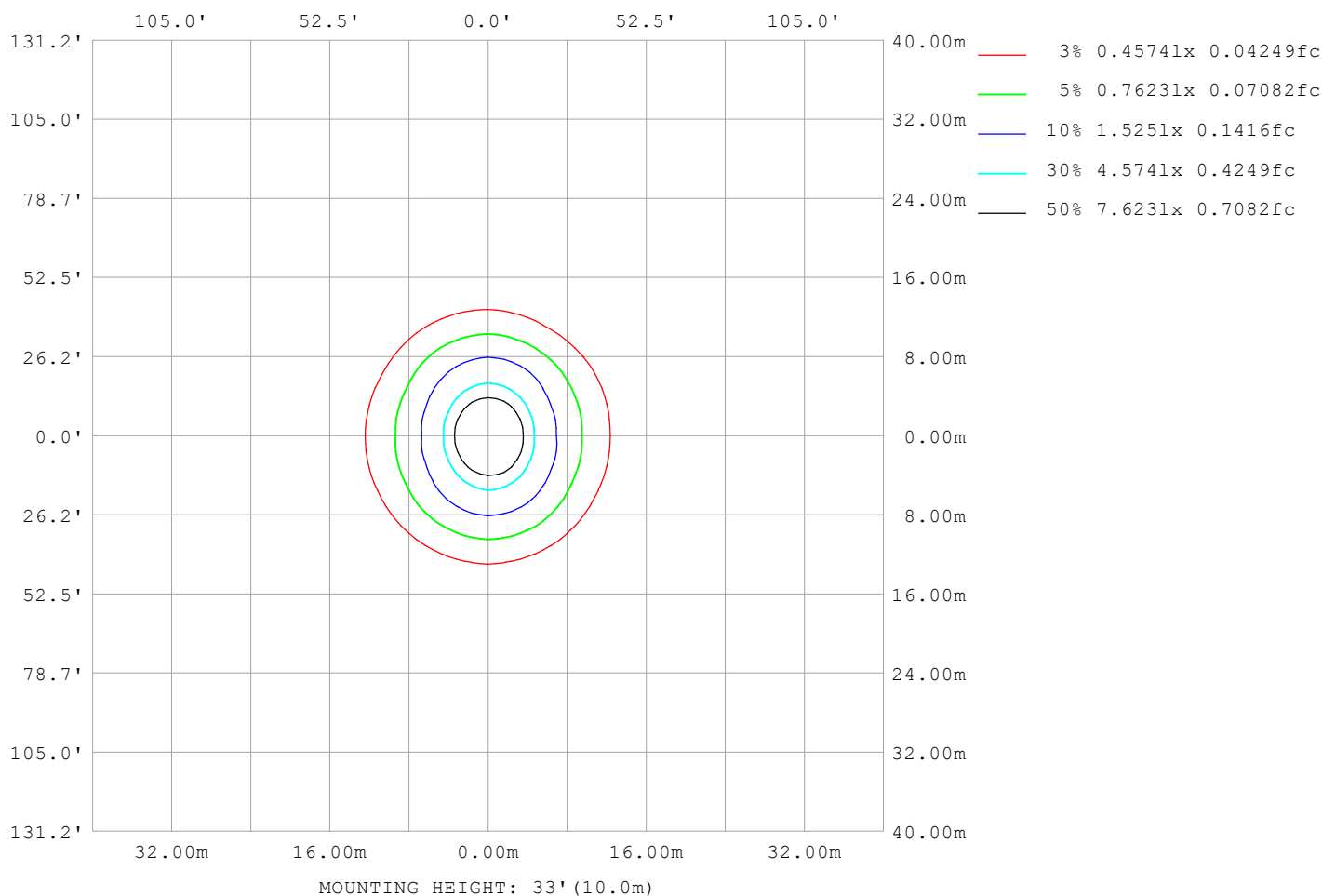
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3℃
 Operators: LZN
 Test Date: 2025-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 6.820m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

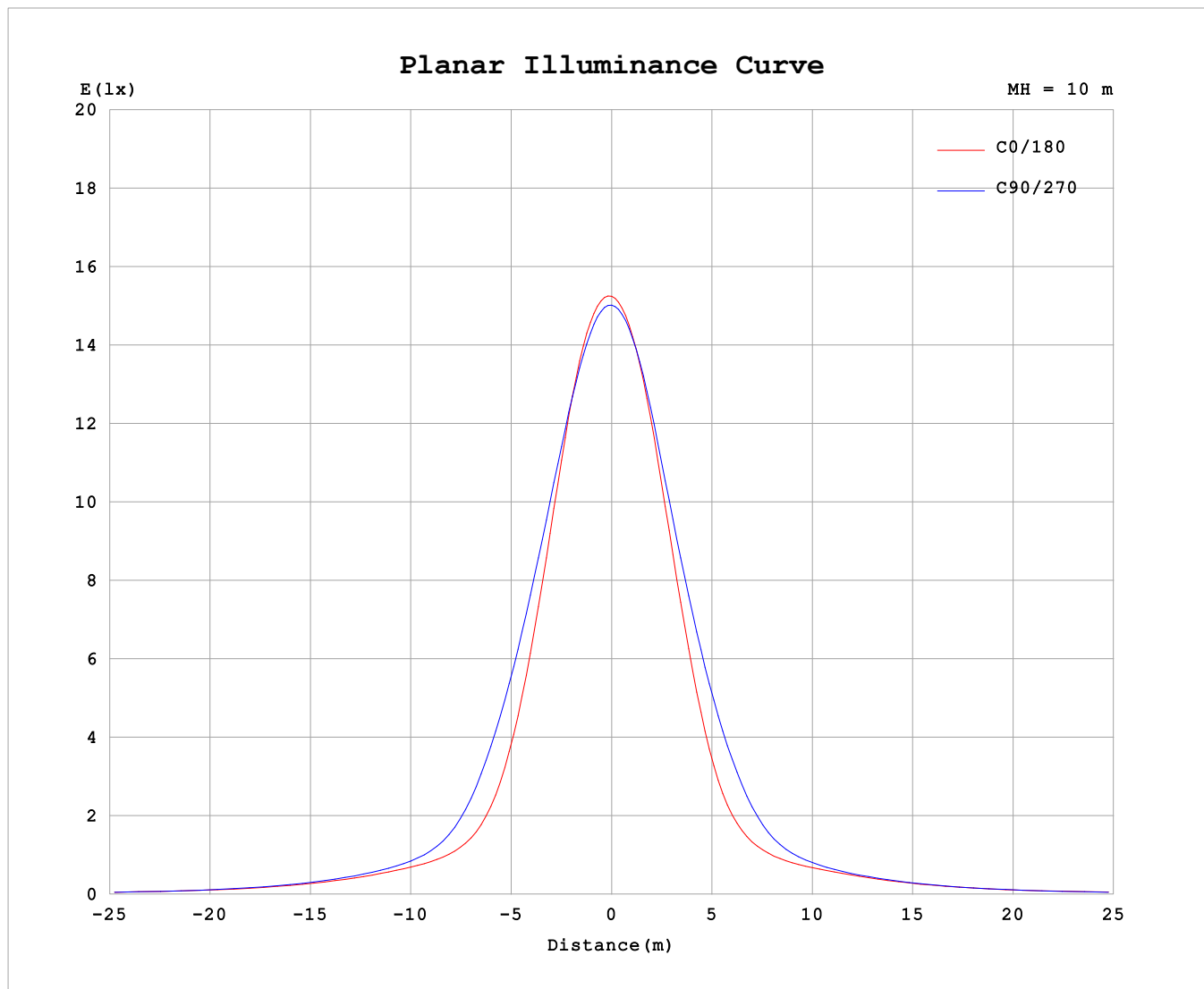
AvgL	cd/m2
L_0~180 (65) av	28458
L_0~180 (75) av	34135
L_0~180 (85) av	53178
L_90~270 (65) av	29022
L_90~270 (75) av	27135
L_90~270 (85) av	21980
L_45 (65) av	30102
L_45 (75) av	37590
L_45 (85) av	50044

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: LZN
Test Date: 2025-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.7983A P:19.157W PF:1.0000 Freq:0Hz Lamp Flux:1626.1x1 lm		
NAME: S010240BC1LZ(T) 3000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508						
5	1482	1486	1485	1476	1464	1453	1452	1454	1458	1464	1473	1482						
10	1364	1386	1394	1373	1349	1318	1310	1321	1338	1348	1363	1371						
15	1148	1203	1245	1222	1184	1115	1085	1113	1158	1174	1194	1175						
20	874	950	1044	1038	980	871	816	859	946	979	987	923						
25	605	688	815	843	760	625	553	610	725	781	763	669						
30	386	463	587	643	548	410	347	402	520	586	548	444						
35	259	303	401	447	375	273	241	271	357	409	376	285						
40	210	228	284	305	269	220	201	214	259	284	267	224						
45	195	202	232	242	226	202	190	195	220	230	219	204						
50	184	189	206	214	205	193	185	186	200	204	191	193						
55	168	171	181	188	183	173	170	168	179	180	176	173						
60	142	145	152	156	154	145	145	143	152	152	151	145						
65	118	123	129	123	131	124	122	122	131	122	131	121						
70	102	110	122	102	123	113	106	110	120	98.4	121	109						
75	85.8	90.8	101	76.2	107	96.5	90.9	90.9	96.7	64.3	91.1	88.2						
80	67.6	63.3	68.7	43.4	76.0	70.4	74.0	65.3	67.1	33.9	62.0	61.4						
85	43.6	38.4	43.4	22.0	47.7	45.2	49.1	42.5	42.5	16.3	40.1	39.5						
90	27.7	26.2	29.6	4.61	32.7	30.2	31.5	28.6	29.4	1.38	27.9	26.7						
95	20.6	20.3	15.2	1.77	19.9	22.9	22.4	21.5	17.4	1.56	14.8	20.6						
100	12.2	8.80	1.97	2.08	4.11	13.0	14.2	10.5	1.78	1.89	1.88	9.20						
105	2.19	1.88	2.07	2.39	3.47	4.46	2.78	2.02	2.15	2.31	2.22	3.06						
110	2.09	2.16	2.43	2.77	2.82	3.63	2.29	2.33	2.62	2.80	2.66	2.65						
115	2.47	2.56	2.93	3.24	3.18	3.91	2.74	2.87	3.20	3.39	3.19	3.11						
120	3.00	3.13	3.45	3.74	3.70	4.29	3.37	3.56	3.89	4.07	3.84	3.73						
125	3.73	3.84	4.15	4.43	4.45	4.57	4.15	4.37	4.69	4.84	4.62	4.48						
130	4.63	4.68	4.99	5.22	5.32	5.26	5.09	5.29	5.59	5.69	5.49	5.36						
135	5.64	5.62	5.88	6.07	6.24	6.13	6.10	6.30	6.53	6.57	6.41	6.27						
140	6.72	6.65	6.79	6.94	7.21	7.14	7.14	7.32	7.46	7.43	7.31	7.32						
145	7.79	7.65	7.65	7.77	8.16	8.16	8.15	8.30	8.34	8.23	8.15	8.08						
150	8.79	8.55	8.41	8.55	8.98	9.09	9.07	9.18	9.13	8.94	8.87	8.89						
155	9.62	9.25	9.07	9.34	9.63	9.84	9.80	9.88	9.77	9.53	9.44	9.55						
160	10.2	9.74	9.65	9.86	10.1	10.4	10.2	10.3	10.2	10.03	9.93	10.00						
165	10.5	10.1	10.1	10.3	10.5	10.7	10.3	10.6	10.6	10.4	10.3	10.3						
170	10.6	10.4	10.5	10.7	10.8	10.8	10.5	10.7	10.8	10.8	10.7	10.6						
175	10.7	10.7	10.8	11.0	11.0	11.0	10.7	10.8	11.0	11.1	11.1	10.8						
180	10.8	10.9	11.1	11.2	11.2	11.1	10.8	10.9	11.1	11.2	11.3	11.1						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-06

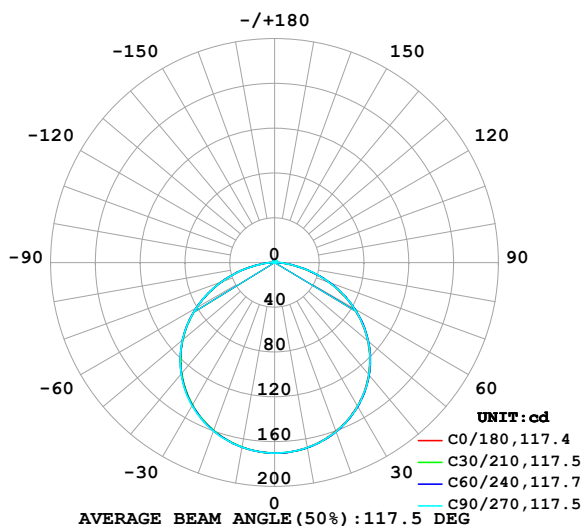
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

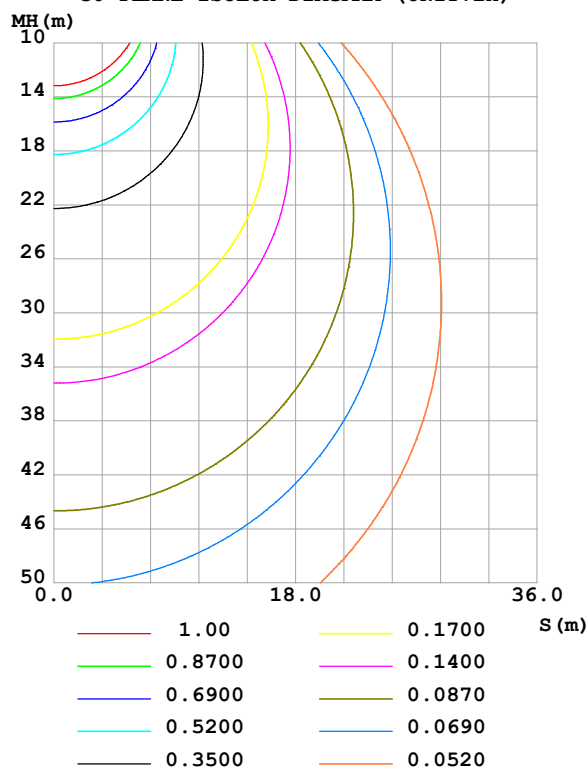
Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.34 lm/W			
MODEL	S005238BC1LZ 4000±300K	I _{max} (cd)	170.1	S/MH(C0/180)	1.28
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	525.58	η UP,DN(C0-180)	1.2,49.3
NOMINAL FLUX(lm)	525.58	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,48.2
LAMPS INSIDE	1	η up (%)	2.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down (%)	97.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	167.8	168.0	167.8	167.8	167.4	167.4	167.6	167.6	0- 10	16.12	16.12	3.07,3.07
20	160.4	160.7	160.6	160.6	159.6	159.7	160.0	159.8	10- 20	46.47	62.59	11.9,11.9
30	148.0	148.5	148.3	148.3	146.9	147.0	147.5	144.2	20- 30	71.11	133.7	25.4,25.4
40	130.7	131.3	131.1	131.2	129.4	129.5	130.0	127.6	30- 40	87.15	220.9	42,42
50	108.6	109.3	109.0	109.3	107.3	107.2	107.6	105.3	40- 50	92.18	313.0	59.6,59.6
60	81.94	82.69	82.34	83.13	80.76	80.50	80.79	77.73	50- 60	84.89	397.9	75.7,75.7
70	51.51	52.31	51.95	53.30	50.80	50.36	50.50	50.07	60- 70	65.92	463.8	88.3,88.3
80	20.58	21.32	21.14	23.05	20.51	20.25	20.09	20.37	70- 80	37.78	501.6	95.4,95.4
90	1.663	2.172	1.361	5.029	1.700	1.728	0.8165	1.980	80- 90	10.72	512.3	97.5,97.5
100	0.6636	0.6938	0.7591	4.428	0.7415	0.7506	0.7480	1.250	90-100	1.603	513.9	97.8,97.8
110	0.9246	0.9593	1.030	3.492	0.9852	1.012	1.026	2.175	100-110	1.656	515.6	98.1,98.1
120	1.189	1.221	1.286	3.739	1.254	1.288	1.293	3.364	110-120	1.745	517.3	98.4,98.4
130	1.465	1.487	1.546	3.806	1.532	1.561	1.560	4.622	120-130	1.981	519.3	98.8,98.8
140	1.737	1.759	1.810	1.803	1.808	1.835	1.831	5.837	130-140	1.785	521.1	99.2,99.2
150	1.994	2.020	2.081	2.410	2.055	2.085	2.088	6.846	140-150	1.665	522.8	99.5,99.5
160	2.227	2.253	2.316	3.229	2.284	2.303	2.301	7.678	150-160	1.431	524.2	99.7,99.7
170	2.425	2.442	2.490	4.991	2.478	2.473	2.465	8.200	160-170	0.9940	525.2	99.9,99.9
180	2.542	2.547	2.565	6.575	2.545	2.543	2.554	8.138	170-180	0.3753	525.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 267.07 lm

%lum = 50.8%

%lamp = 50.8%

Conical surface Flux(130deg): 433.91 lm

%lum = 82.6%

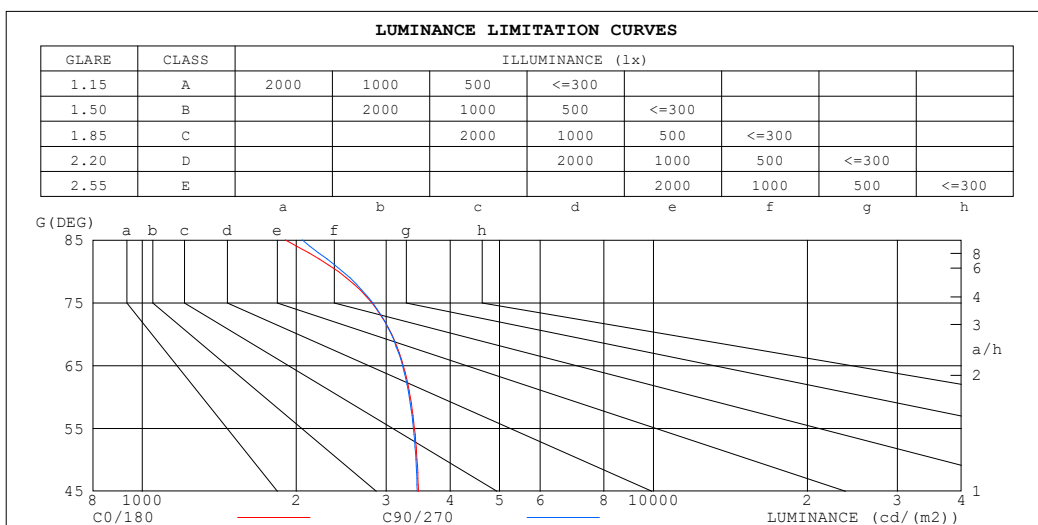
%lamp = 82.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:



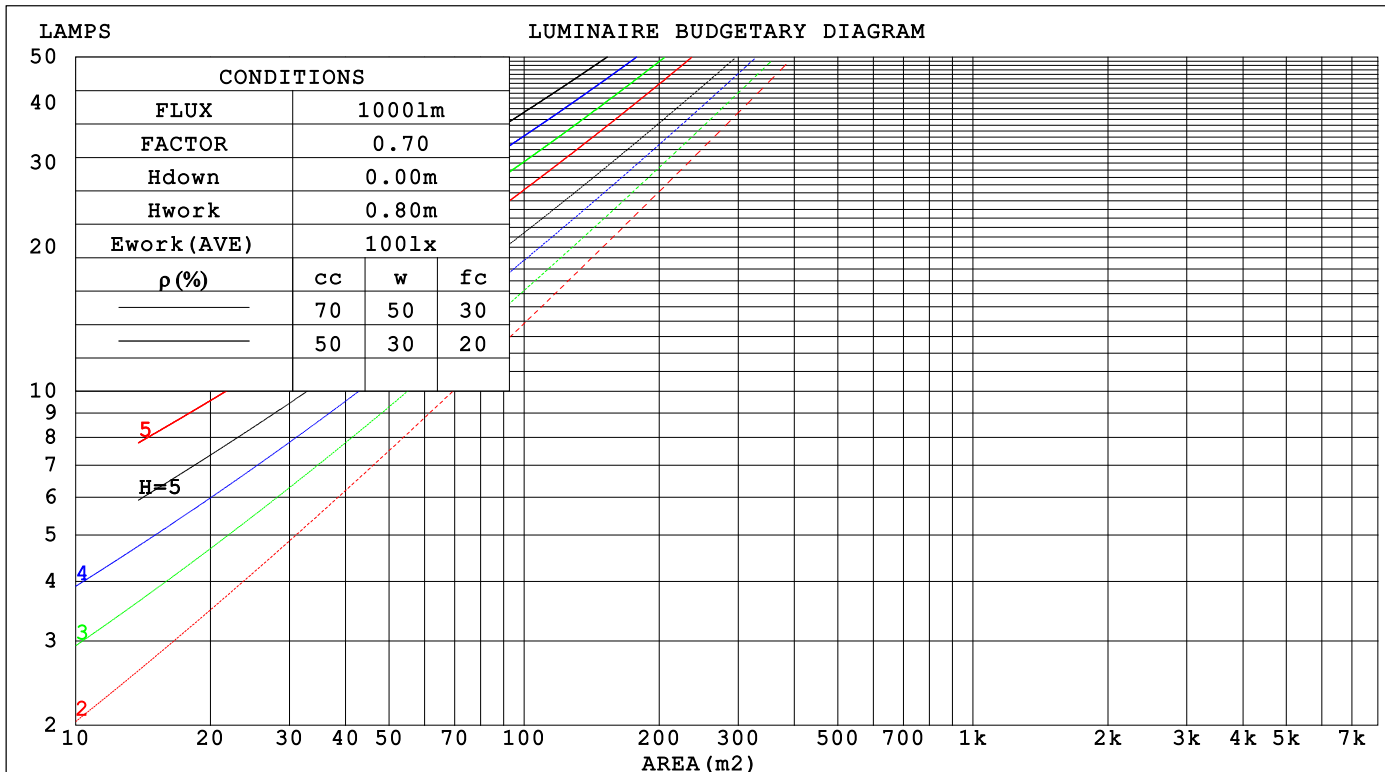
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.97
1.0	1.03	.99	.95	1.00	.97	.93	.96	.92	.90	.91	.89	.86	.87	.85	.83	.81
2.0	.89	.83	.77	.87	.81	.76	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.38	.48	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz		
Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.315	.179	.057	.307	.175	.056	.292	.168	.054	.279	.161	.052	.266	.154	.050		
2.0	.295	.162	.050	.288	.159	.049	.275	.153	.048	.263	.148	.046	.252	.143	.045		
3.0	.273	.145	.043	.267	.143	.043	.255	.138	.042	.244	.134	.041	.234	.130	.040		
4.0	.251	.131	.038	.246	.129	.038	.236	.125	.037	.226	.121	.037	.217	.118	.036		
5.0	.232	.118	.034	.227	.117	.034	.218	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.215	.108	.031	.211	.106	.031	.202	.104	.030	.195	.101	.030	.187	.099	.029		
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027		
8.0	.187	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025		
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.160	.080	.023	.154	.078	.023		
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.146	.073	.021		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.200	.175	.153	.171	.151	.132	.117	.104	.091	.067	.060	.053	.022	.019	.017		
2.0	.192	.151	.117	.165	.130	.101	.113	.090	.071	.065	.052	.041	.021	.017	.013		
3.0	.185	.134	.093	.158	.116	.081	.109	.080	.057	.063	.047	.034	.020	.015	.011		
4.0	.177	.121	.078	.152	.104	.067	.104	.073	.048	.060	.043	.028	.019	.014	.009		
5.0	.170	.110	.067	.146	.096	.058	.100	.067	.041	.058	.039	.024	.019	.013	.008		
6.0	.163	.102	.059	.140	.088	.051	.096	.062	.036	.056	.036	.022	.018	.012	.007		
7.0	.156	.095	.053	.134	.083	.046	.093	.058	.033	.054	.034	.019	.017	.011	.006		
8.0	.149	.089	.048	.128	.078	.042	.089	.054	.030	.052	.032	.018	.017	.011	.006		
9.0	.143	.085	.045	.123	.073	.039	.085	.052	.028	.050	.030	.017	.016	.010	.006		
10.0	.137	.080	.042	.118	.070	.037	.082	.049	.026	.048	.029	.016	.016	.010	.005		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm										
NAME: S005238BC1LZ 4000±300K					TYPE: LED			WEIGHT:		
SPEC.: 1000×5MM					DIM.: 1000×5MM			SERIAL No.: 10101-1091-00		
MFR.: iPixel LED					SUR.: 1000×5MM			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.4	20.9	19.7	21.2	21.4	19.4	20.9	19.7	21.2	21.4
3H	21.0	22.4	21.3	22.7	22.9	21.0	22.4	21.3	22.6	22.9
4H	21.6	22.9	21.9	23.2	23.5	21.6	22.9	21.9	23.2	23.5
6H	22.0	23.2	22.4	23.5	23.9	22.0	23.2	22.4	23.6	23.9
8H	22.1	23.3	22.5	23.6	24.0	22.1	23.3	22.5	23.6	24.0
12H	22.1	23.3	22.5	23.6	24.0	22.2	23.3	22.6	23.7	24.0
4H 2H	20.1	21.4	20.4	21.7	22.0	20.0	21.4	20.4	21.7	22.0
3H	21.8	22.9	22.2	23.3	23.6	21.8	22.9	22.2	23.3	23.6
4H	22.5	23.6	22.9	23.9	24.3	22.5	23.6	22.9	23.9	24.3
6H	23.0	24.0	23.5	24.4	24.8	23.0	24.0	23.5	24.4	24.8
8H	23.2	24.1	23.6	24.5	24.9	23.2	24.1	23.7	24.5	24.9
12H	23.3	24.1	23.8	24.5	25.0	23.3	24.1	23.8	24.6	25.0
8H 4H	22.8	23.7	23.2	24.1	24.5	22.8	23.7	23.2	24.1	24.5
6H	23.4	24.2	23.9	24.6	25.1	23.5	24.2	23.9	24.6	25.1
8H	23.7	24.3	24.2	24.8	25.3	23.7	24.3	24.2	24.8	25.3
12H	23.8	24.4	24.4	24.9	25.4	23.9	24.4	24.4	24.9	25.5
12H 4H	22.8	23.6	23.3	24.0	24.5	22.8	23.6	23.3	24.0	24.5
6H	23.5	24.1	24.0	24.6	25.1	23.5	24.1	24.0	24.6	25.1
8H	23.8	24.3	24.3	24.8	25.3	23.8	24.3	24.3	24.8	25.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 525.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.2)
Area: 0.05 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

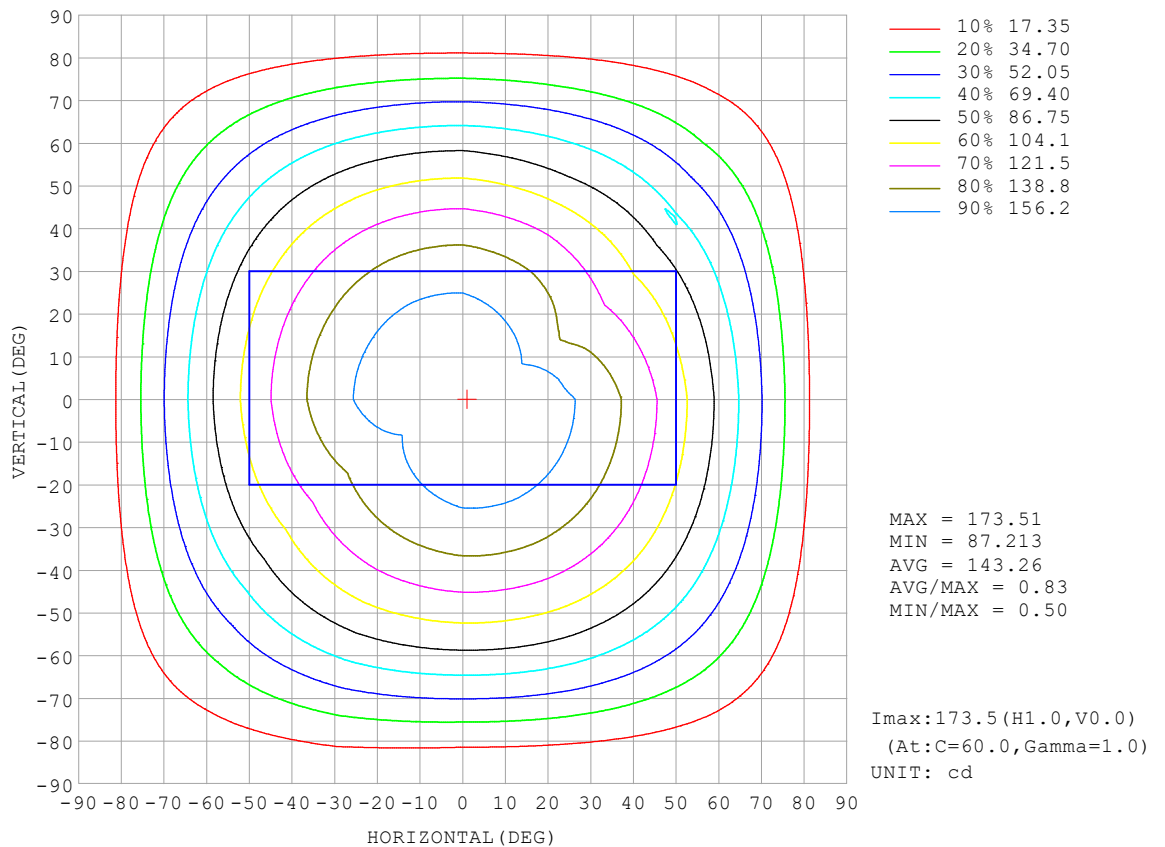
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	56	73	62	55	71	64	55	47
1.25	82	71	63	80	70	63	77	68	62	54
1.50	87	76	69	85	75	69	81	73	67	59
2.00	94	85	78	92	83	77	88	81	76	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	95	103	97	93	98	94	90	80
5.00	108	103	99	105	101	97	100	96	93	83
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

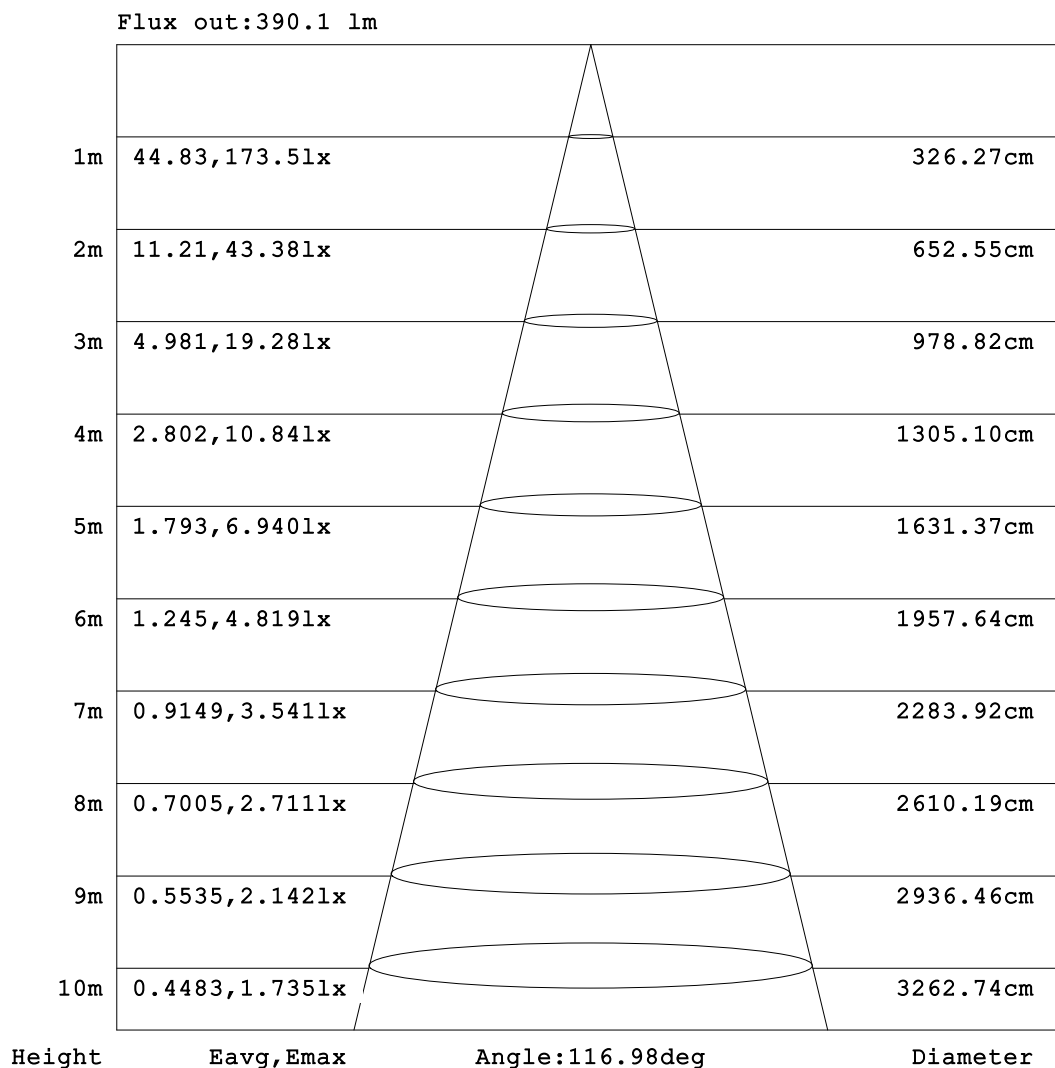


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:



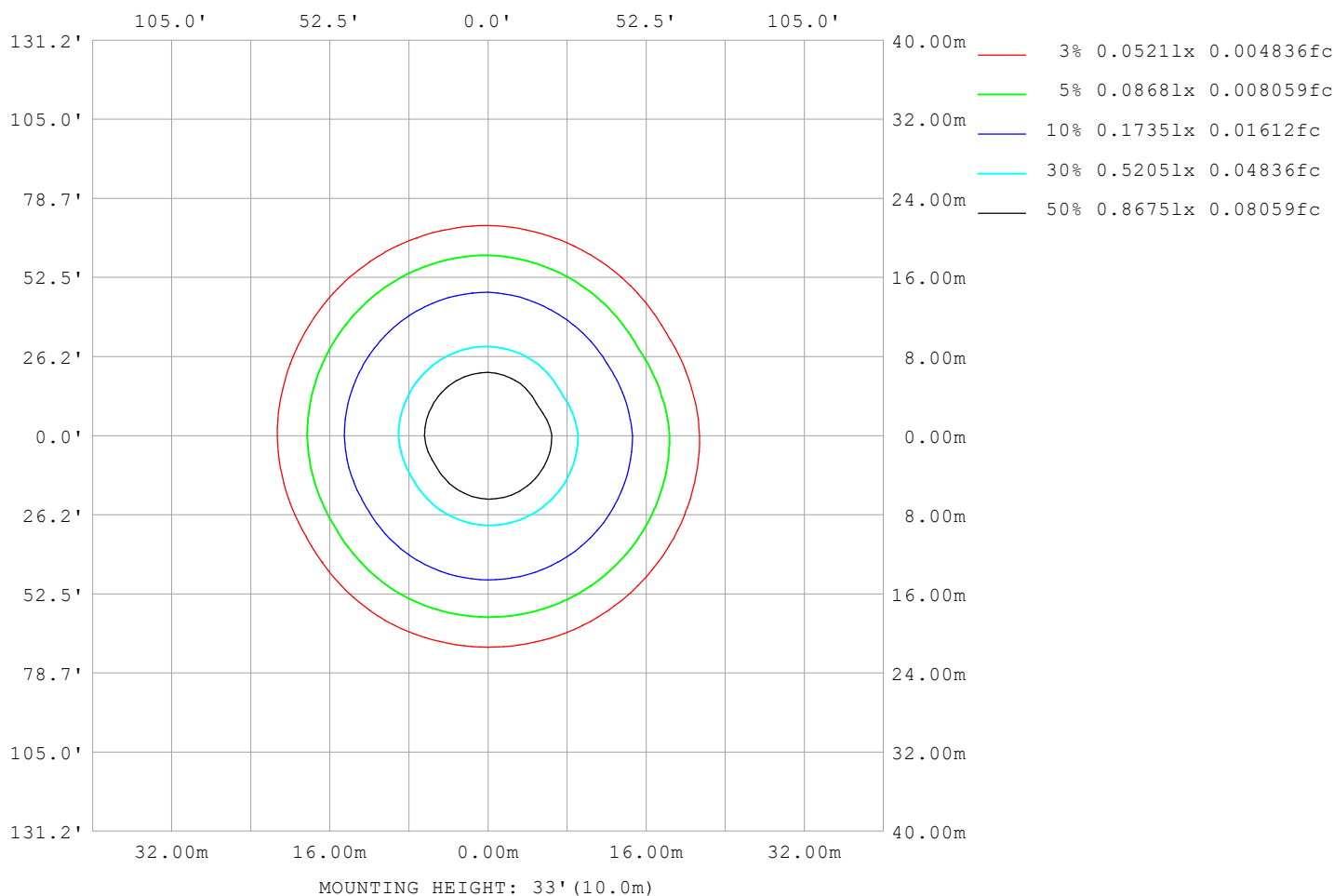
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: LZN
Test Date: 2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

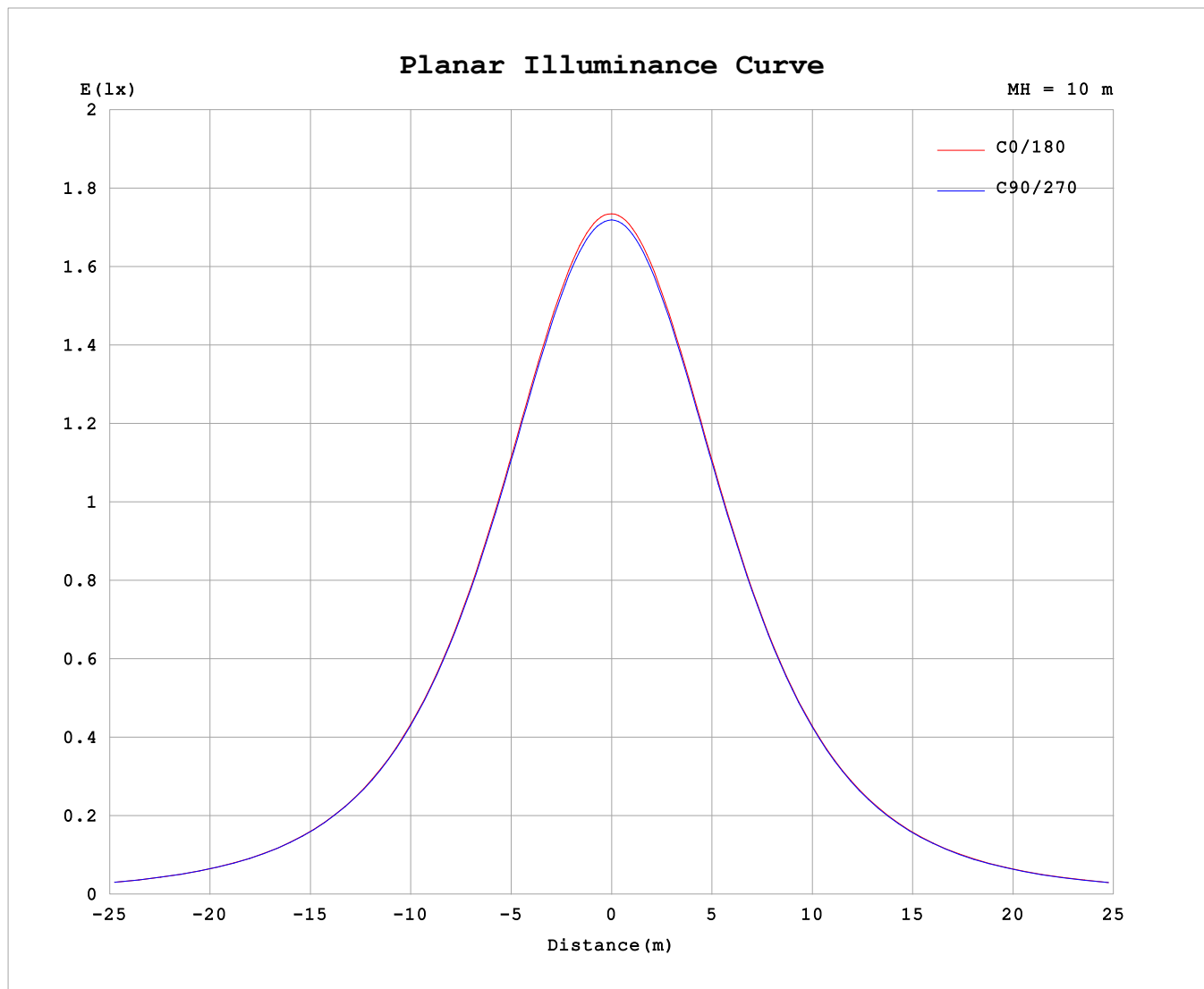
AvgL	cd/m2
L_0~180 (65) av	3152
L_0~180 (75) av	2741
L_0~180 (85) av	1890
L_90~270 (65) av	3158
L_90~270 (75) av	2744
L_90~270 (85) av	1938
L_45 (65) av	3166
L_45 (75) av	2756
L_45 (85) av	2150

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.1720A P:4.1275W PF:1.0000 Freq:0Hz Lamp Flux:525.58x1 lm		
NAME: S005238BC1LZ 4000±300K	TYPE: LED	WEIGHT:
SPEC.: 1000×5MM	DIM.: 1000×5MM	SERIAL No.: 10101-1091-00
MFR.: iPixel LED	SUR.: 1000×5MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	170	170	170	170	170	170	170	170	170	170	170	170							
5	170	170	170	170	170	170	169	169	169	169	169	169							
10	168	168	168	168	168	168	167	167	167	168	168	168							
15	165	165	165	165	165	165	164	164	164	164	164	164							
20	160	161	161	161	161	160	160	160	160	160	160	160							
25	155	155	155	155	155	155	154	154	154	154	154	147							
30	148	148	149	148	149	148	147	147	147	147	147	141							
35	140	140	141	140	141	140	139	139	139	139	139	134							
40	131	131	131	131	132	131	129	129	130	130	130	125							
45	120	121	121	121	121	120	119	119	119	119	119	115							
50	109	109	109	109	110	109	107	107	107	108	106	105							
55	95.8	96.4	96.6	96.2	97.6	95.8	94.5	94.1	94.6	94.6	91.7	92.3							
60	81.9	82.6	82.8	82.3	84.1	82.1	80.8	80.3	80.7	80.8	78.5	77.0							
65	67.1	67.7	68.0	67.5	69.6	67.5	66.1	65.6	65.9	66.0	65.5	65.1							
70	51.5	52.3	52.3	52.0	54.3	52.3	50.8	50.3	50.4	50.5	50.1	50.1							
75	35.7	36.4	36.5	36.2	38.8	36.8	35.3	34.9	34.9	34.9	33.9	33.1							
80	20.6	21.2	21.4	21.1	24.0	22.1	20.5	20.3	20.3	20.1	20.6	20.1							
85	8.14	8.90	9.10	8.87	12.1	10.33	8.33	8.35	8.37	8.03	8.25	8.57							
90	1.66	2.12	2.22	1.36	5.74	4.30	1.70	1.76	1.69	0.82	1.75	2.22							
95	0.73	0.89	0.92	0.63	4.78	3.71	0.74	0.79	0.66	0.62	0.70	1.26							
100	0.66	0.70	0.69	0.76	4.74	4.10	0.74	0.73	0.77	0.75	0.82	1.69							
105	0.78	0.82	0.82	0.89	4.51	4.68	0.85	0.85	0.90	0.89	0.96	2.39							
110	0.92	0.96	0.96	1.03	1.77	5.26	0.99	0.99	1.04	1.03	1.10	3.28							
115	1.06	1.10	1.09	1.17	1.09	5.84	1.12	1.13	1.18	1.16	1.23	4.30							
120	1.19	1.23	1.21	1.29	1.23	6.31	1.25	1.26	1.31	1.29	1.36	5.42							
125	1.33	1.35	1.34	1.41	1.36	6.56	1.39	1.40	1.45	1.42	1.50	6.57							
130	1.46	1.50	1.48	1.55	1.51	6.17	1.53	1.53	1.59	1.56	1.63	7.70							
135	1.60	1.63	1.61	1.68	1.65	1.69	1.67	1.67	1.73	1.70	1.77	8.81							
140	1.74	1.77	1.75	1.81	1.78	1.82	1.81	1.81	1.86	1.83	1.93	9.85							
145	1.87	1.91	1.88	1.95	1.93	1.95	1.94	1.94	1.99	1.96	2.11	10.8							
150	1.99	2.03	2.01	2.08	2.74	2.07	2.05	2.05	2.12	2.09	2.16	11.7							
155	2.12	2.15	2.14	2.21	3.50	2.20	2.17	2.17	2.23	2.20	2.27	12.4							
160	2.23	2.26	2.24	2.32	4.12	2.31	2.28	2.28	2.33	2.30	2.40	13.1							
165	2.34	2.36	2.35	2.41	4.59	3.28	2.39	2.36	2.42	2.39	2.51	13.6							
170	2.42	2.45	2.43	2.49	4.81	5.17	2.48	2.45	2.50	2.47	2.63	13.9							
175	2.49	2.53	2.50	2.55	5.09	6.85	2.55	2.51	2.55	2.53	2.73	13.9							
180	2.54	2.55	2.55	2.57	5.25	7.93	2.55	2.54	2.55	2.55	2.68	13.7							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-06-11

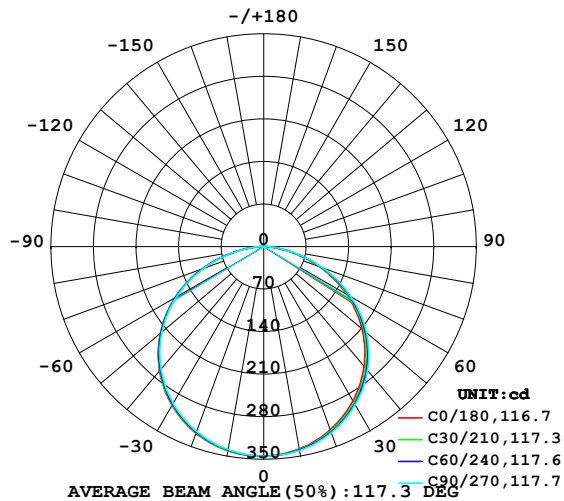
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

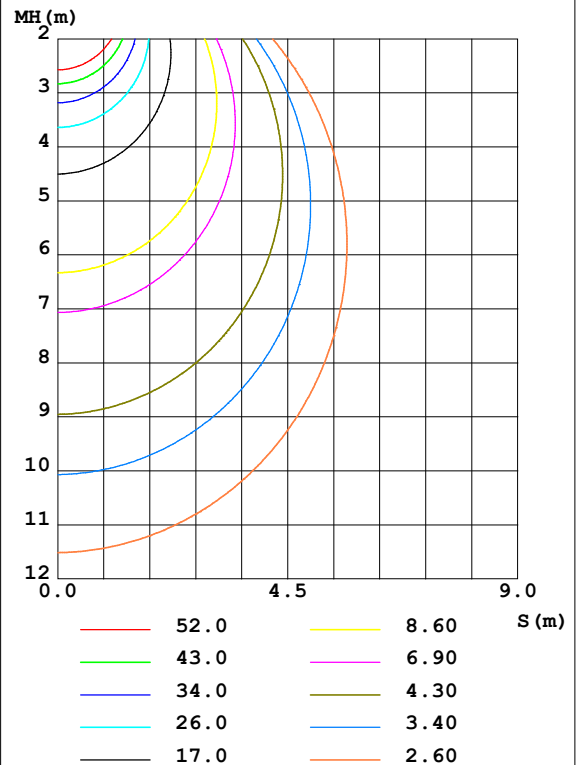
Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.42 lm/W			
MODEL		I _{max} (cd)	344.9	S/MH (C0/180)	1.30
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1044.2	η UP, DN (C0-180)	0.3, 49.4
NOMINAL FLUX (lm)	1044.24	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.9
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	99.3	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7125]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	337.9	339.4	340.5	341.0	341.0	340.2	339.2	338.5	0- 10	32.67	32.67	3.13,3.13
20	320.7	323.7	325.7	326.6	326.6	325.3	323.6	322.2	10- 20	94.13	126.8	12.1,12.1
30	293.6	297.9	300.8	301.9	301.8	300.3	298.1	295.9	20- 30	144.2	271.0	26,26
40	257.0	262.2	265.7	267.1	267.0	265.4	263.0	260.2	30- 40	176.7	447.7	42.9,42.9
50	211.4	216.8	220.6	222.1	222.2	221.0	218.8	215.5	40- 50	186.8	634.5	60.8,60.8
60	157.9	162.5	166.0	167.9	168.5	167.7	165.7	162.4	50- 60	172.2	806.8	77.3,77.3
70	97.93	101.0	103.7	106.0	107.5	107.2	105.6	102.4	60- 70	133.5	940.3	90,90
80	37.77	38.95	40.35	42.27	43.91	44.50	43.99	41.58	70- 80	76.37	1017	97.4,97.4
90	1.504	0.9984	1.102	2.305	3.439	3.103	2.407	1.941	80- 90	19.94	1037	99.3,99.3
100	0.7662	0.6109	0.6868	1.167	1.648	1.714	1.583	1.258	90-100	1.426	1038	99.4,99.4
110	0.7021	0.5931	0.6843	1.122	1.557	1.631	1.518	1.195	100-110	1.217	1039	99.5,99.5
120	0.7459	0.6441	0.7302	1.147	1.560	1.629	1.520	1.214	110-120	1.125	1040	99.6,99.6
130	0.8193	0.7218	0.8011	1.191	1.579	1.642	1.539	1.255	120-130	1.053	1041	99.7,99.7
140	0.8778	0.7932	0.8671	1.219	1.570	1.630	1.539	1.278	130-140	0.9374	1042	99.8,99.8
150	0.9653	0.9019	0.9656	1.253	1.538	1.592	1.521	1.303	140-150	0.7787	1043	99.9,99.9
160	1.094	1.060	1.108	1.302	1.494	1.537	1.493	1.338	150-160	0.5919	1044	100,100
170	1.222	1.220	1.248	1.332	1.414	1.447	1.437	1.356	160-170	0.3743	1044	100,100
180	1.283	1.312	1.323	1.303	1.283	1.304	1.325	1.314	170-180	0.1272	1044	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 541.38 lm

%lum = 51.8%

%lamp = 51.8%

Conical surface Flux(120deg): 806.76 lm

%lum = 77.3%

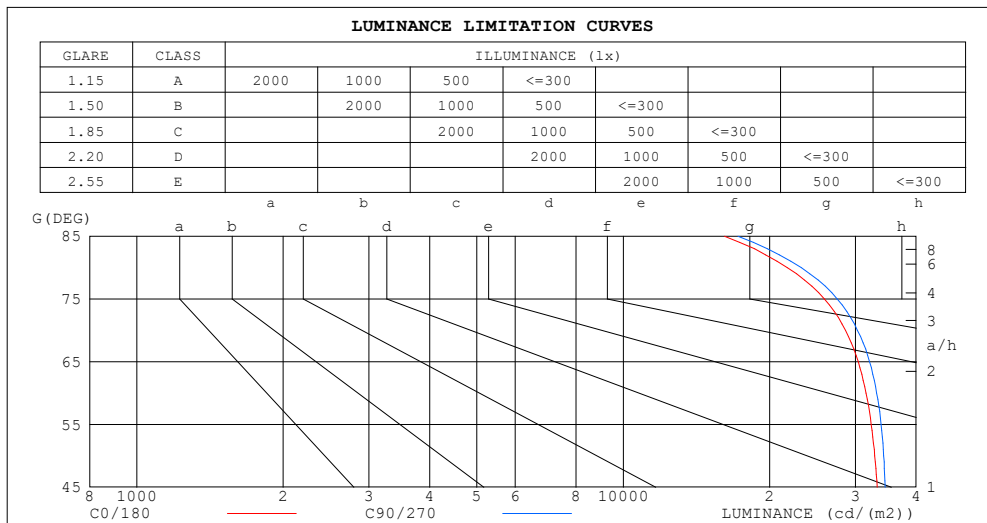
%lamp = 77.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	16155	17219
80	21750	23235
75	25933	27535
70	28632	30310
65	30408	32095
60	31578	33192
55	32354	33890
50	32883	34316
45	33265	34551

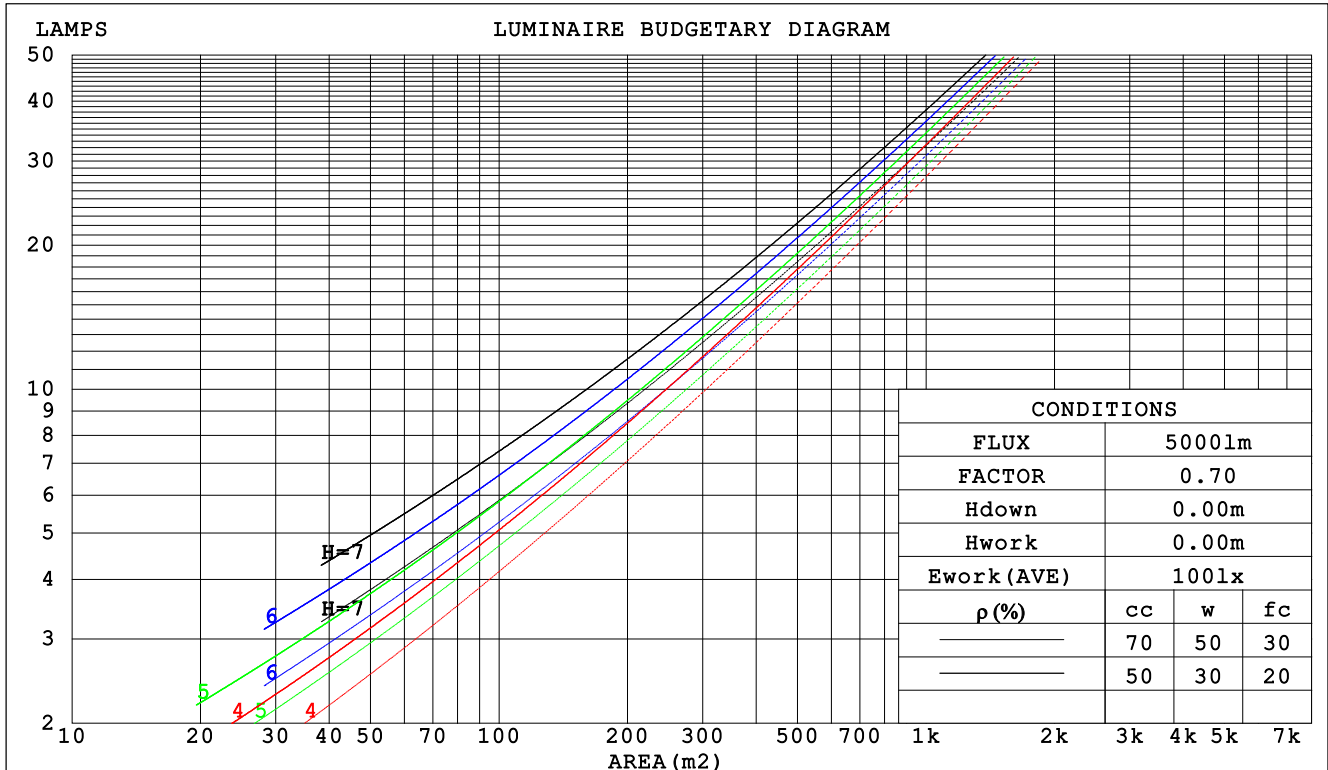
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.36
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.314	.179	.057	.307	.175	.056	.293	.168	.054	.280	.162	.052	.269	.156	.050		
2.0	.296	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.255	.144	.046		
3.0	.273	.145	.044	.268	.143	.043	.257	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.252	.131	.038	.247	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.074	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.186	.162	.140	.159	.139	.120	.109	.095	.083	.063	.055	.048	.020	.018	.016	
2.0	.178	.138	.103	.153	.118	.089	.105	.082	.062	.060	.048	.036	.019	.015	.012	
3.0	.171	.120	.080	.146	.104	.069	.101	.072	.048	.058	.042	.029	.019	.014	.009	
4.0	.163	.107	.064	.140	.092	.055	.096	.064	.039	.056	.038	.023	.018	.012	.008	
5.0	.156	.096	.053	.134	.083	.046	.092	.058	.032	.053	.034	.019	.017	.011	.006	
6.0	.149	.088	.045	.128	.076	.039	.088	.053	.027	.051	.031	.016	.017	.010	.005	
7.0	.142	.081	.039	.122	.070	.034	.084	.049	.024	.049	.029	.014	.016	.010	.005	
8.0	.135	.075	.034	.116	.065	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
9.0	.129	.070	.031	.111	.061	.027	.077	.043	.019	.045	.025	.011	.015	.008	.004	
10.0	.123	.066	.028	.106	.057	.025	.074	.040	.017	.043	.024	.010	.014	.008	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz Lamp Flux:1044.24x1 lm										
Name: SOO5120BC1LZ					Type: LED					
MFR.:										
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.9	26.5	25.2	26.7	26.9	25.1	26.7	25.4	26.9	27.1
3H	26.5	27.9	26.8	28.1	28.4	26.7	28.1	27.0	28.3	28.6
4H	27.0	28.4	27.4	28.6	28.9	27.3	28.6	27.6	28.9	29.2
6H	27.4	28.7	27.7	29.0	29.2	27.7	28.9	28.0	29.2	29.5
8H	27.5	28.7	27.8	29.0	29.3	27.8	29.0	28.1	29.3	29.6
12H	27.5	28.7	27.9	29.0	29.3	27.8	29.0	28.2	29.3	29.6
4H 2H	25.6	26.9	25.9	27.2	27.5	25.7	27.1	26.1	27.3	27.6
3H	27.3	28.5	27.6	28.8	29.1	27.5	28.6	27.8	28.9	29.3
4H	28.0	29.0	28.4	29.4	29.7	28.2	29.2	28.6	29.6	29.9
6H	28.4	29.4	28.9	29.8	30.1	28.7	29.6	29.1	30.0	30.4
8H	28.6	29.5	29.0	29.9	30.3	28.8	29.7	29.2	30.1	30.5
12H	28.7	29.5	29.1	29.9	30.3	28.9	29.7	29.3	30.1	30.5
8H 4H	28.2	29.1	28.6	29.5	29.9	28.4	29.3	28.8	29.7	30.1
6H	28.8	29.6	29.3	30.0	30.4	29.0	29.8	29.5	30.2	30.6
8H	29.0	29.7	29.5	30.1	30.6	29.2	29.9	29.7	30.3	30.8
12H	29.2	29.7	29.7	30.2	30.7	29.4	29.9	29.9	30.4	30.9
12H 4H	28.2	29.0	28.7	29.4	29.9	28.4	29.2	28.8	29.6	30.0
6H	28.9	29.5	29.3	30.0	30.4	29.1	29.7	29.5	30.2	30.6
8H	29.1	29.7	29.6	30.1	30.6	29.3	29.9	29.8	30.3	30.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1044 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.2$)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		

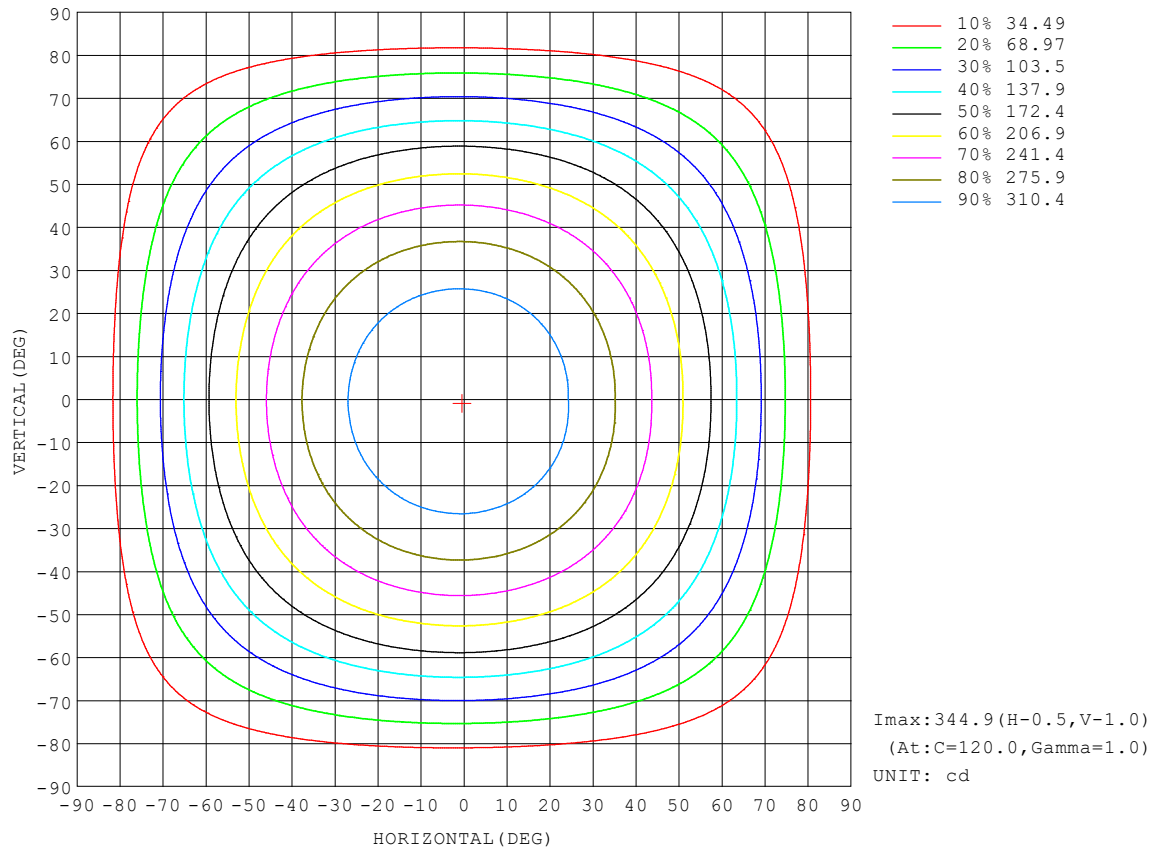
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	54	44	37	31
0.80	67	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	86	76	69	82	74	68	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		

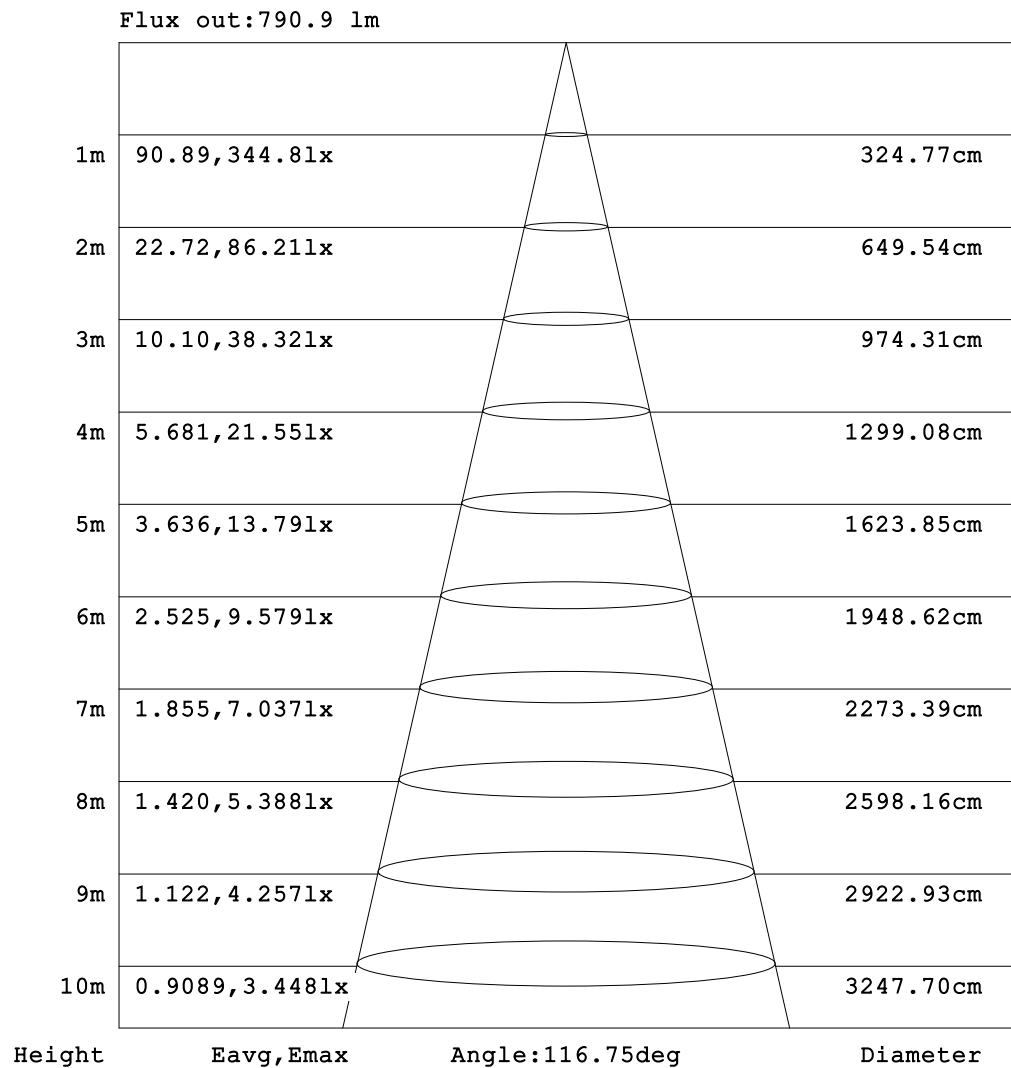


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

AAI Figure

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		



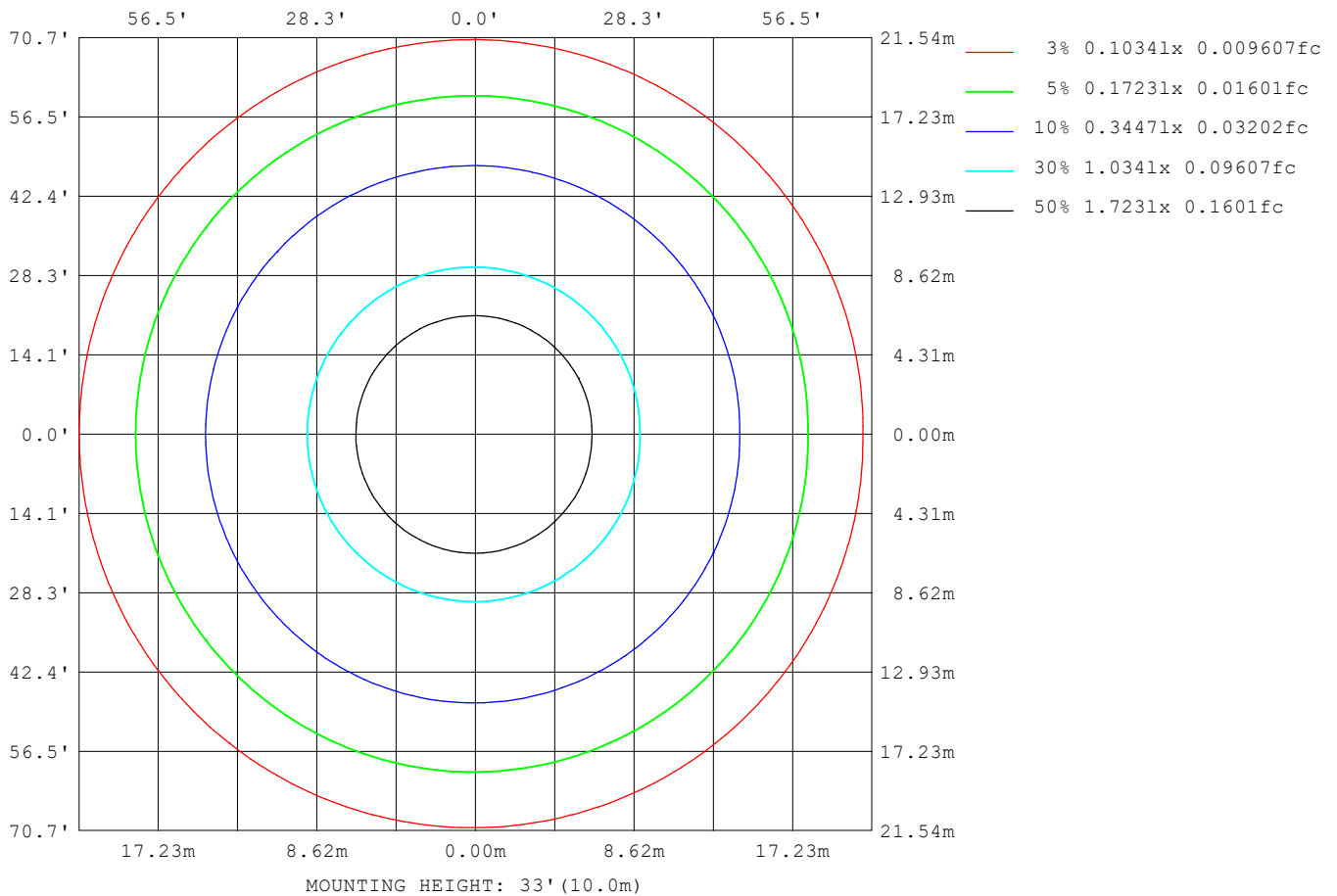
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

ISOLUX DIAGRAM

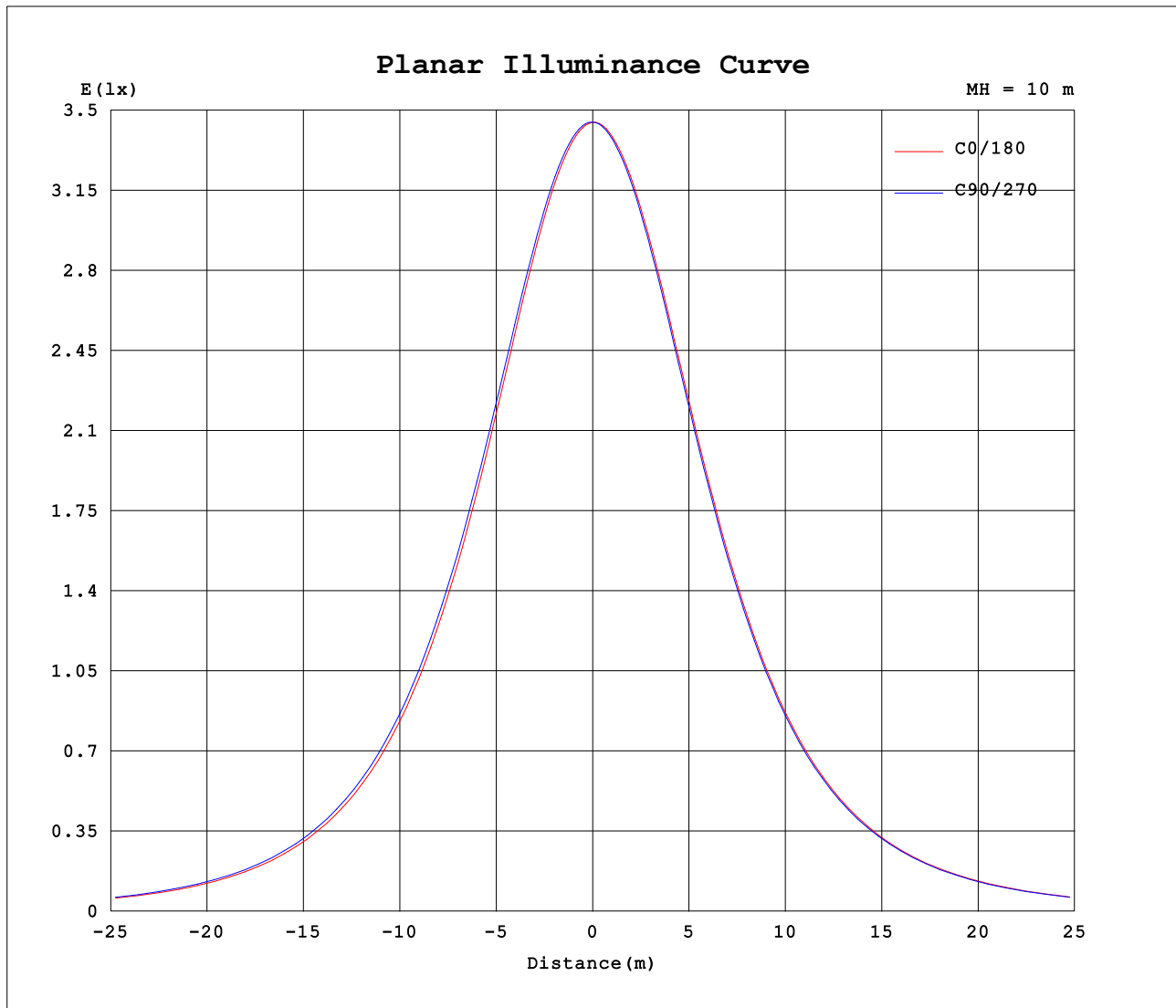
Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz		
Lamp Flux:1044.24x1 lm		
Name: SOO5120BC1LZ	Type: LED	
MFR.:		



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7125]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7125]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.4180A P:10.000W PF:1.000 Freq:0Hz																	
Lamp Flux:1044.24x1 lm																	
Name: SOO5120BC1LZ									Type: LED								
MFR.:																	

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	345	345	345	345	345	345	345	345	345	345	345	345						
5	343	343	344	344	344	344	344	344	344	343	343	343						
10	338	339	340	340	341	341	341	341	340	339	339	338						
15	331	332	333	334	335	335	335	334	334	333	332	331						
20	321	323	325	326	326	327	327	326	325	324	323	322						
25	308	311	313	315	315	316	316	315	313	312	311	310						
30	294	297	299	301	302	302	302	301	300	298	297	295						
35	276	280	283	285	286	286	286	285	283	282	280	278						
40	257	261	264	266	267	267	267	266	265	263	261	259						
45	235	239	242	244	246	246	246	245	244	242	240	238						
50	211	215	218	221	222	222	222	222	220	219	217	214						
55	186	189	192	194	196	196	196	196	195	193	191	189						
60	158	161	164	166	167	168	169	168	167	166	164	161						
65	129	131	134	136	137	138	139	139	138	136	134	132						
70	97.9	100	102	104	105	107	107	108	107	106	104	101						
75	67.1	68.5	69.9	71.3	72.9	74.4	75.4	75.6	75.2	74.1	72.4	70.1						
80	37.8	38.5	39.4	40.3	41.6	42.9	43.9	44.5	44.5	44.0	42.6	40.5						
85	14.1	14.1	14.5	15.0	16.0	17.1	18.1	18.7	18.9	18.7	17.7	16.2						
90	1.50	1.07	0.93	1.10	1.88	2.73	3.44	3.30	2.91	2.41	2.09	1.79						
95	0.83	0.65	0.61	0.69	1.03	1.41	1.75	1.81	1.77	1.63	1.44	1.17						
100	0.77	0.62	0.60	0.69	0.99	1.34	1.65	1.73	1.70	1.58	1.39	1.12						
105	0.70	0.59	0.59	0.68	0.98	1.31	1.60	1.68	1.66	1.55	1.35	1.07						
110	0.70	0.60	0.59	0.68	0.97	1.28	1.56	1.64	1.62	1.52	1.33	1.06						
115	0.72	0.61	0.61	0.70	0.97	1.28	1.55	1.63	1.61	1.51	1.33	1.07						
120	0.75	0.65	0.64	0.73	1.00	1.30	1.56	1.64	1.62	1.52	1.34	1.09						
125	0.78	0.69	0.68	0.77	1.03	1.31	1.57	1.64	1.63	1.53	1.36	1.11						
130	0.82	0.72	0.72	0.80	1.05	1.33	1.58	1.65	1.63	1.54	1.37	1.13						
135	0.85	0.76	0.75	0.83	1.07	1.34	1.57	1.64	1.63	1.54	1.38	1.15						
140	0.88	0.79	0.79	0.87	1.09	1.35	1.57	1.64	1.62	1.54	1.39	1.17						
145	0.92	0.84	0.84	0.91	1.12	1.35	1.56	1.62	1.61	1.53	1.39	1.19						
150	0.97	0.90	0.90	0.97	1.15	1.36	1.54	1.60	1.59	1.52	1.40	1.21						
155	1.03	0.98	0.98	1.04	1.19	1.36	1.52	1.57	1.56	1.51	1.40	1.24						
160	1.09	1.06	1.06	1.11	1.23	1.37	1.49	1.54	1.54	1.49	1.40	1.27						
165	1.16	1.14	1.15	1.18	1.27	1.37	1.46	1.49	1.50	1.47	1.40	1.30						
170	1.22	1.22	1.22	1.25	1.30	1.36	1.41	1.44	1.45	1.44	1.39	1.32						
175	1.28	1.29	1.30	1.31	1.32	1.34	1.35	1.37	1.38	1.38	1.36	1.33						
180	1.28	1.31	1.32	1.32	1.31	1.30	1.28	1.30	1.31	1.33	1.32	1.31						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

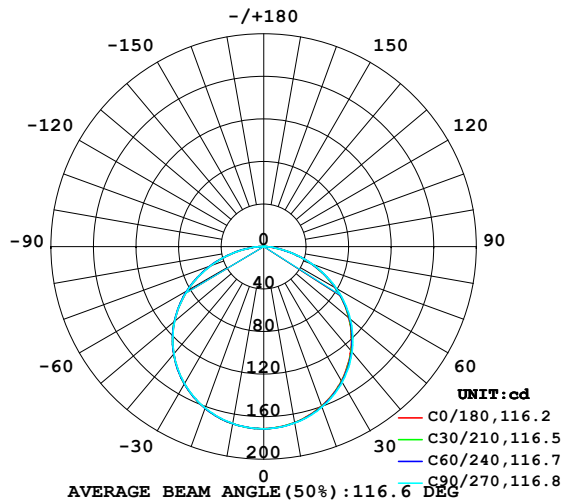
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

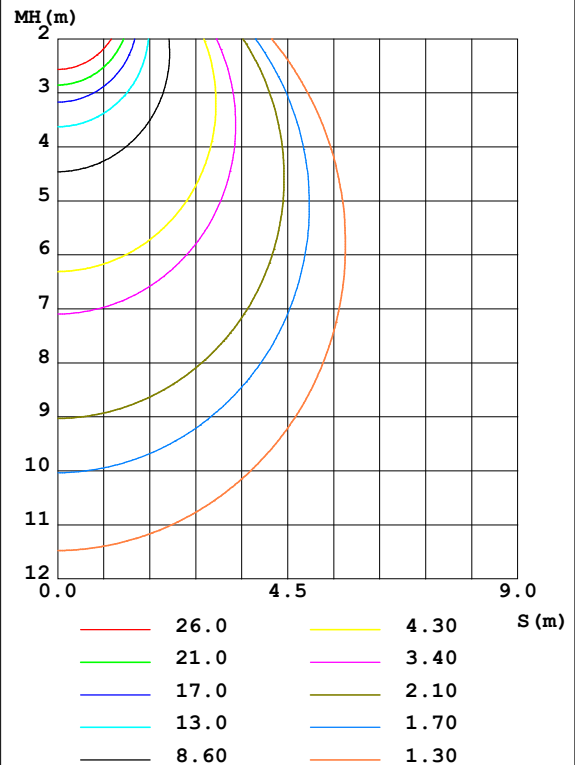
Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.05 lm/W			
MODEL		I _{max} (cd)	171.3	S/MH (C0/180)	1.29
NOMINAL POWER (W)	4.9	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	514.75	η UP, DN (C0-180)	0.2, 48.9
NOMINAL FLUX (lm)	514.753	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 50.5
LAMPS INSIDE	1	η up (%)	0.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	99.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7125]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

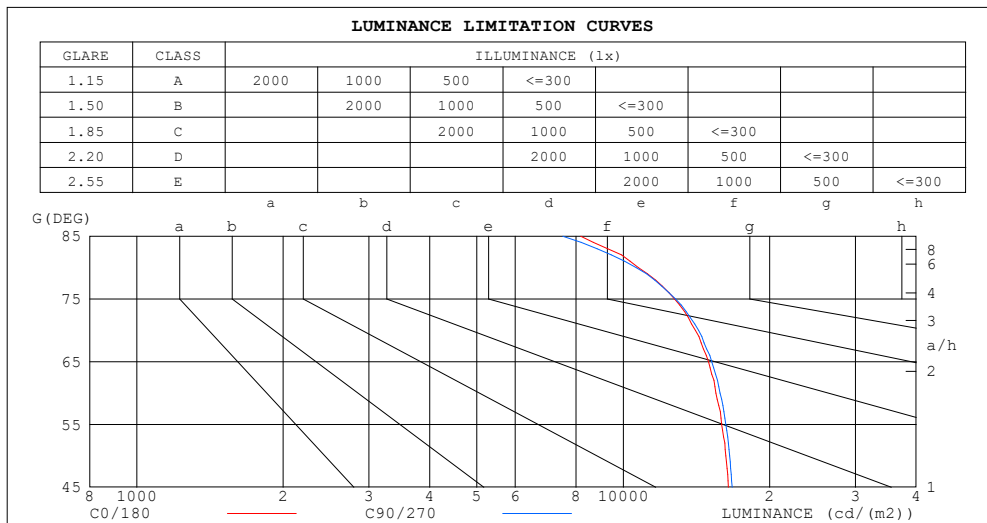
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	168.0	168.2	168.4	168.8	169.1	169.0	168.8	168.5	0- 10	16.22	16.22	3.15,3.15
20	159.5	159.9	160.5	161.1	161.7	161.7	161.4	160.6	10- 20	46.70	62.92	12.2,12.2
30	146.0	146.7	147.4	148.3	149.1	149.2	148.9	147.8	20- 30	71.47	134.4	26.1,26.1
40	127.4	128.4	129.4	130.6	131.5	131.8	131.4	129.9	30- 40	87.35	221.7	43.1,43.1
50	104.4	105.2	106.4	108.2	109.7	109.9	109.3	107.3	40- 50	92.06	313.8	61,61
60	77.54	78.07	79.11	81.12	82.95	83.47	82.96	80.86	50- 60	84.54	398.3	77.4,77.4
70	48.10	48.08	48.85	51.05	53.19	53.81	53.36	51.33	60- 70	65.42	463.8	90.1,90.1
80	18.65	18.02	18.47	20.78	23.11	23.58	23.04	21.33	70- 80	37.63	501.4	97.4,97.4
90	1.152	0.3478	0.1811	1.117	2.080	1.830	1.348	1.190	80- 90	10.22	511.6	99.4,99.4
100	0.2857	0.1517	0.1659	0.4219	0.7083	0.8437	0.8554	0.6502	90-100	0.6654	512.3	99.5,99.5
110	0.1734	0.1218	0.1669	0.3622	0.5904	0.7615	0.8203	0.5937	100-110	0.5005	512.8	99.6,99.6
120	0.1894	0.1479	0.1928	0.3778	0.5850	0.7418	0.7885	0.5781	110-120	0.4469	513.2	99.7,99.7
130	0.2344	0.1767	0.2203	0.4318	0.6621	0.7974	0.8187	0.6089	120-130	0.4254	513.6	99.8,99.8
140	0.2520	0.1850	0.2478	0.5511	0.8276	0.7562	0.5835	0.4274	130-140	0.3756	514.0	99.9,99.9
150	0.2879	0.2280	0.2854	0.5614	0.8111	0.7368	0.5725	0.4353	140-150	0.3026	514.3	99.9,99.9
160	0.3653	0.3130	0.3564	0.5787	0.7777	0.7021	0.5582	0.4588	150-160	0.2321	514.6	100,100
170	0.4271	0.4003	0.4298	0.5672	0.6860	0.6223	0.5199	0.4654	160-170	0.1469	514.7	100,100
180	0.4623	0.4838	0.4898	0.4679	0.4473	0.4654	0.4857	0.4808	170-180	0.0481	514.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8182	7511
80	10739	10636
75	12746	12817
70	14065	14284
65	14985	15214
60	15508	15823
55	15943	16256
50	16239	16551
45	16446	16749

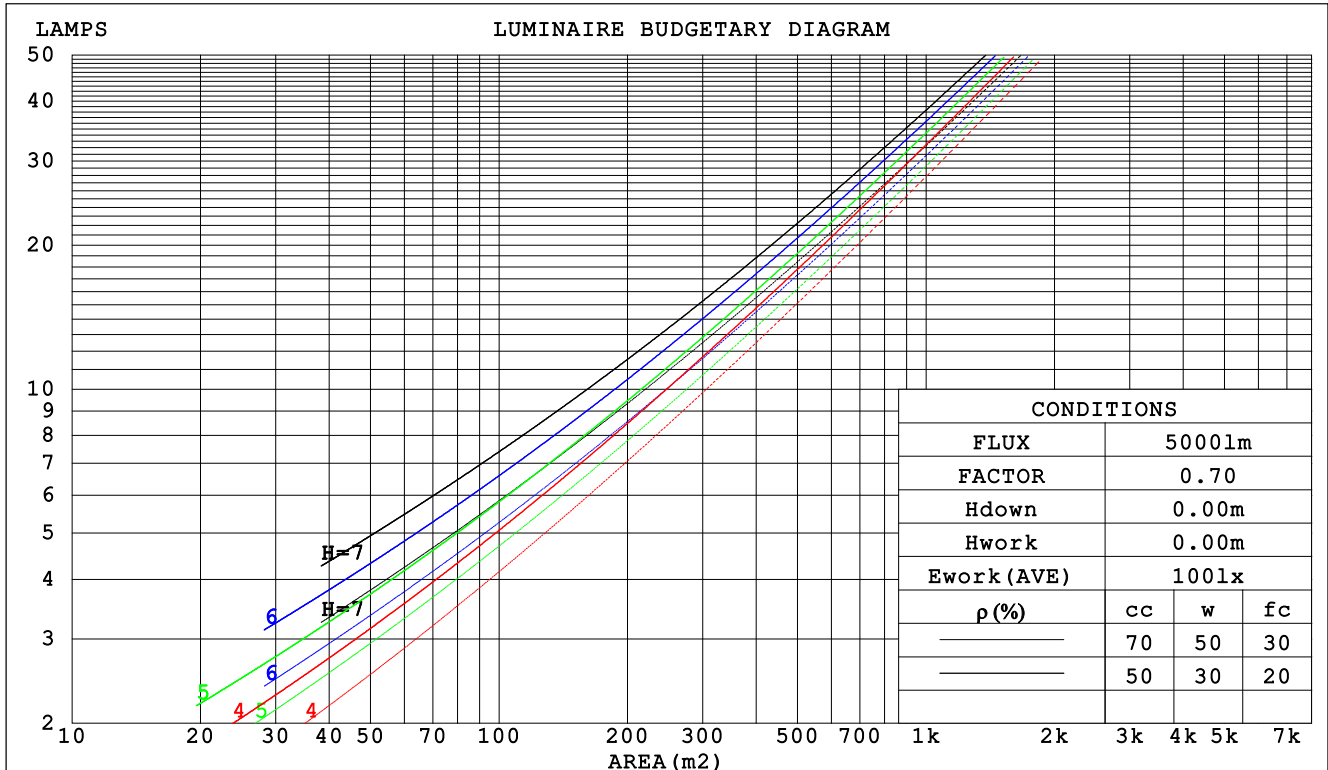
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

WEC AND CCEC

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz											
Lamp Flux:514.753x1 lm											
Name: S008060BC1LZ											
MFR.:											

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.314	.179	.057	.307	.175	.056	.294	.168	.054	.281	.162	.052	.269	.156	.050	
2.0	.296	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.145	.044	.267	.143	.043	.257	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.252	.131	.038	.247	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036	
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.185	.161	.139	.159	.138	.119	.108	.095	.083	.062	.055	.048	.020	.018	.016	
2.0	.177	.137	.102	.152	.118	.088	.104	.081	.062	.060	.047	.036	.019	.015	.012	
3.0	.170	.119	.079	.146	.103	.068	.100	.071	.048	.058	.042	.028	.019	.014	.009	
4.0	.162	.106	.063	.139	.091	.054	.096	.064	.038	.055	.037	.023	.018	.012	.007	
5.0	.155	.095	.052	.133	.083	.045	.092	.058	.032	.053	.034	.019	.017	.011	.006	
6.0	.148	.087	.044	.127	.075	.038	.088	.053	.027	.051	.031	.016	.016	.010	.005	
7.0	.141	.080	.038	.121	.070	.033	.084	.049	.023	.049	.029	.014	.016	.009	.005	
8.0	.134	.074	.033	.116	.065	.029	.080	.045	.021	.047	.027	.012	.015	.009	.004	
9.0	.128	.070	.030	.110	.060	.026	.077	.042	.019	.045	.025	.011	.014	.008	.004	
10.0	.122	.065	.027	.106	.057	.024	.073	.040	.017	.043	.024	.010	.014	.008	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz Lamp Flux:514.753x1 lm										
Name: S008060BC1LZ										
MFR.:										
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.4	24.0	22.7	24.2	24.4	22.5	24.0	22.8	24.2	24.5
3H	23.9	25.3	24.2	25.6	25.8	24.0	25.4	24.3	25.7	25.9
4H	24.5	25.8	24.8	26.1	26.4	24.6	25.9	24.9	26.2	26.5
6H	24.9	26.1	25.2	26.4	26.7	24.9	26.2	25.3	26.5	26.8
8H	25.0	26.2	25.3	26.5	26.8	25.0	26.2	25.4	26.5	26.8
12H	25.0	26.2	25.4	26.5	26.8	25.0	26.2	25.4	26.5	26.8
4H 2H	23.0	24.4	23.4	24.6	24.9	23.1	24.4	23.4	24.7	25.0
3H	24.7	25.9	25.1	26.2	26.5	24.8	26.0	25.1	26.3	26.6
4H	25.4	26.5	25.8	26.8	27.2	25.5	26.5	25.8	26.9	27.2
6H	25.9	26.8	26.3	27.2	27.6	25.9	26.9	26.3	27.2	27.6
8H	26.0	26.9	26.4	27.3	27.7	26.0	26.9	26.5	27.3	27.7
12H	26.1	26.9	26.5	27.3	27.7	26.1	26.9	26.5	27.3	27.7
8H 4H	25.6	26.5	26.1	26.9	27.3	25.7	26.6	26.1	27.0	27.4
6H	26.2	27.0	26.7	27.4	27.8	26.3	27.0	26.7	27.4	27.9
8H	26.4	27.1	26.9	27.5	28.0	26.5	27.1	26.9	27.6	28.0
12H	26.6	27.1	27.1	27.6	28.1	26.6	27.1	27.1	27.6	28.1
12H 4H	25.6	26.5	26.1	26.9	27.3	25.7	26.5	26.1	26.9	27.3
6H	26.3	26.9	26.7	27.4	27.8	26.3	27.0	26.8	27.4	27.9
8H	26.5	27.1	27.0	27.5	28.0	26.5	27.1	27.0	27.6	28.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 514.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.3)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		

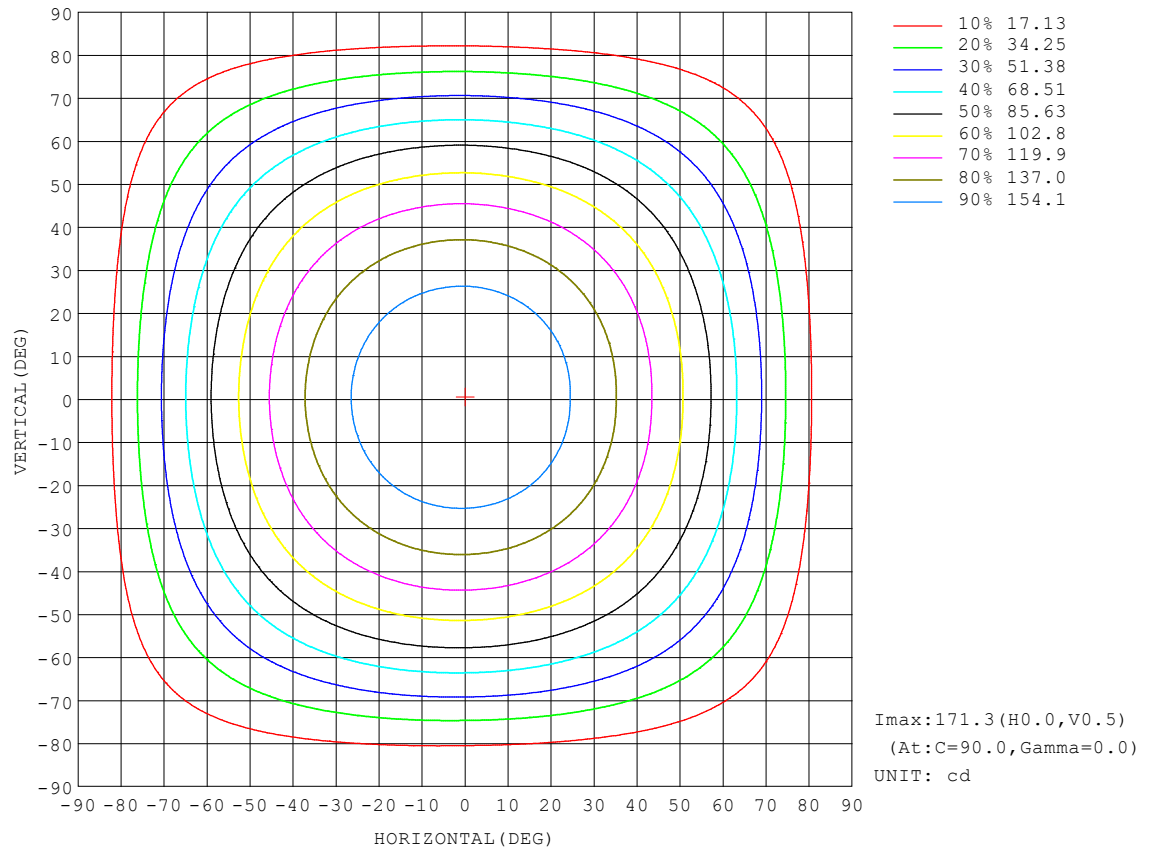
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	68	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		

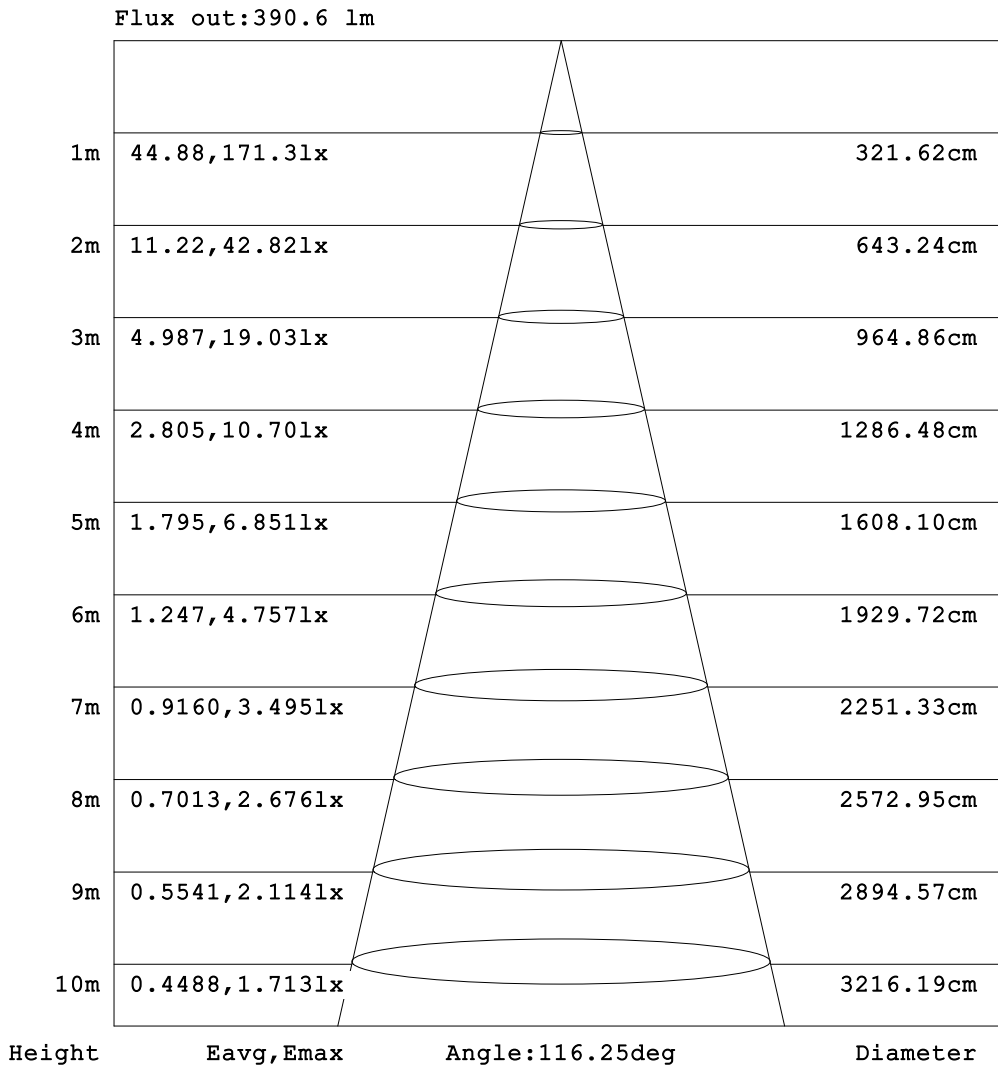


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

AAI Figure

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		



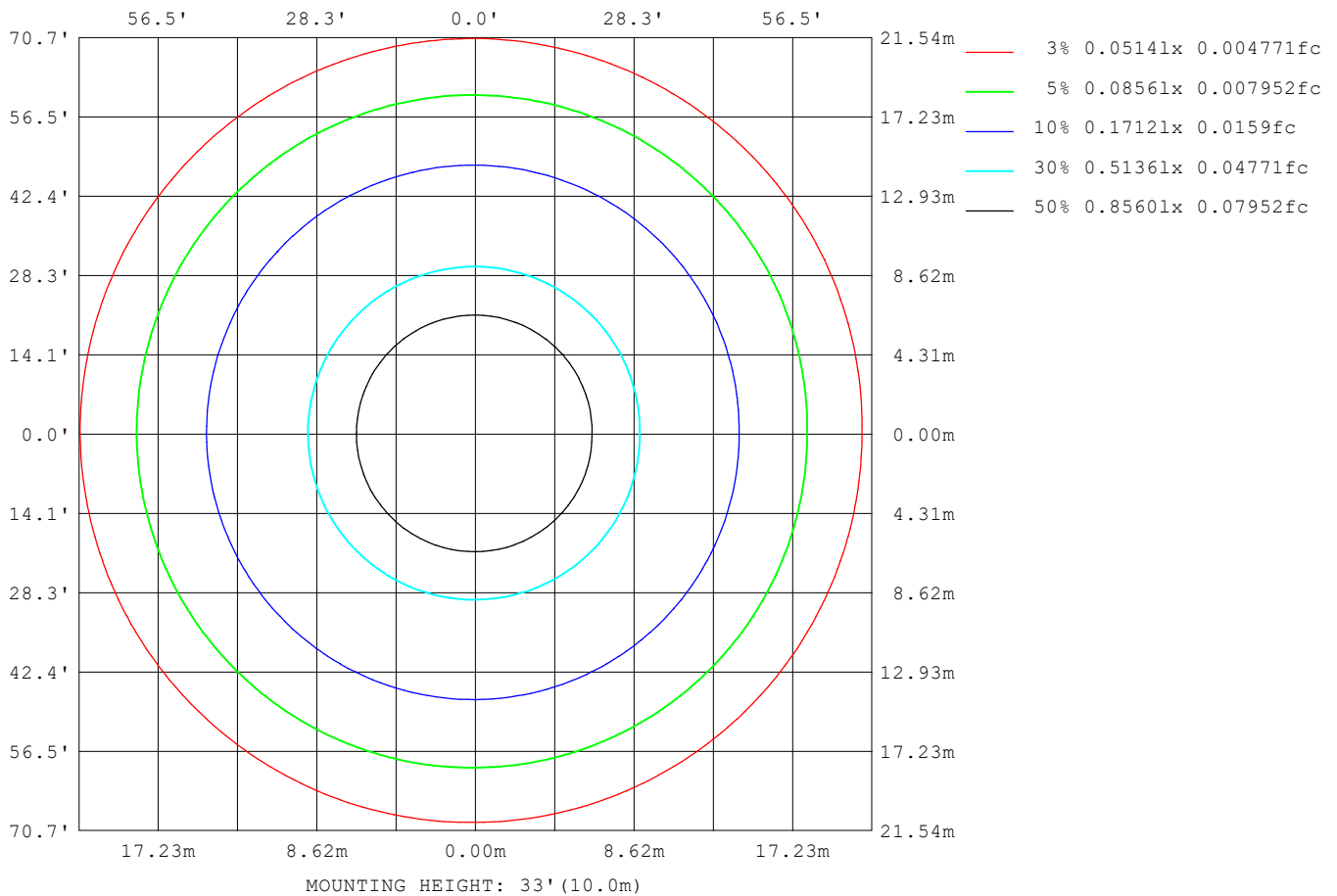
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

ISOLUX DIAGRAM

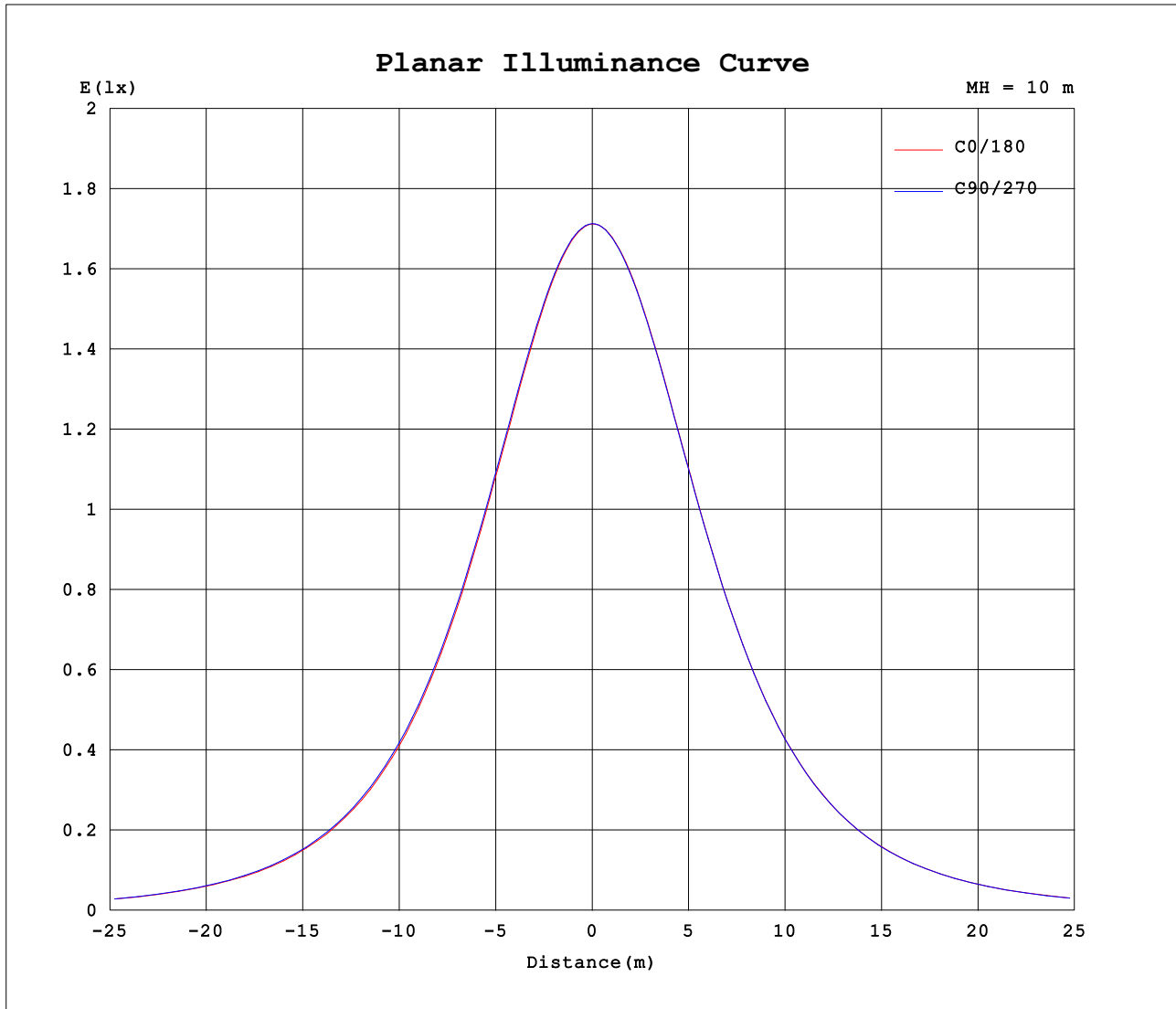
Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-01-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-01-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7125]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.2050A P:4.9000W PF:1.0000 Freq:0Hz		
Lamp Flux:514.753x1 lm		
Name: S008060BC1LZ		
MFR.:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	171	171	171	171	171	171	171	171	171	171	171	171						
5	170	170	170	170	171	171	171	171	171	171	171	170						
10	168	168	168	168	169	169	169	169	169	169	169	168						
15	164	165	165	165	165	166	166	166	166	166	165	165						
20	159	160	160	160	161	161	162	162	162	161	161	160						
25	153	154	154	155	155	156	156	156	156	156	155	154						
30	146	146	147	147	148	149	149	149	149	149	148	147						
35	137	138	138	139	140	140	141	141	141	141	140	139						
40	127	128	129	129	130	131	132	132	132	131	131	129						
45	116	117	118	118	119	120	121	121	121	121	120	118						
50	104	105	106	106	108	109	110	110	110	109	108	107						
55	91.4	91.9	92.5	93.2	94.4	95.6	96.6	97.1	97.1	96.6	95.4	93.7						
60	77.5	77.8	78.3	79.1	80.4	81.8	82.9	83.5	83.5	83.0	81.8	80.0						
65	63.3	63.3	63.6	64.3	65.7	67.1	68.4	68.9	68.9	68.4	67.3	65.6						
70	48.1	48.0	48.2	48.9	50.3	51.8	53.2	53.8	53.8	53.4	52.2	50.5						
75	33.0	32.5	32.6	33.2	34.7	36.4	37.9	38.5	38.6	38.1	36.9	35.3						
80	18.6	18.1	18.0	18.5	20.0	21.6	23.1	23.6	23.6	23.0	22.1	20.6						
85	7.13	6.47	6.27	6.55	7.67	8.97	10.2	10.6	10.6	10.3	9.61	8.55						
90	1.15	0.51	0.19	0.18	0.77	1.47	2.08	1.97	1.69	1.35	1.22	1.16						
95	0.38	0.22	0.15	0.17	0.34	0.55	0.75	0.85	0.89	0.87	0.78	0.61						
100	0.29	0.17	0.13	0.17	0.32	0.52	0.71	0.82	0.87	0.86	0.75	0.56						
105	0.19	0.13	0.12	0.16	0.30	0.46	0.63	0.75	0.83	0.84	0.72	0.50						
110	0.17	0.12	0.12	0.17	0.29	0.44	0.59	0.72	0.81	0.82	0.70	0.49						
115	0.18	0.13	0.13	0.18	0.30	0.44	0.58	0.71	0.78	0.80	0.68	0.48						
120	0.19	0.15	0.15	0.19	0.31	0.45	0.58	0.70	0.78	0.79	0.68	0.48						
125	0.21	0.17	0.17	0.21	0.32	0.46	0.60	0.72	0.80	0.81	0.70	0.50						
130	0.23	0.18	0.17	0.22	0.35	0.51	0.66	0.77	0.83	0.82	0.71	0.51						
135	0.24	0.17	0.17	0.23	0.43	0.65	0.83	0.81	0.74	0.62	0.51	0.38						
140	0.25	0.19	0.18	0.25	0.45	0.66	0.83	0.80	0.71	0.58	0.48	0.37						
145	0.30	0.22	0.21	0.26	0.45	0.64	0.80	0.78	0.69	0.58	0.49	0.39						
150	0.29	0.23	0.23	0.29	0.47	0.66	0.81	0.78	0.69	0.57	0.48	0.39						
155	0.32	0.27	0.27	0.32	0.49	0.66	0.80	0.77	0.68	0.57	0.48	0.40						
160	0.37	0.31	0.31	0.36	0.50	0.66	0.78	0.74	0.66	0.56	0.49	0.43						
165	0.39	0.35	0.35	0.40	0.52	0.66	0.76	0.72	0.64	0.54	0.49	0.43						
170	0.43	0.40	0.40	0.43	0.52	0.61	0.69	0.65	0.59	0.52	0.48	0.45						
175	0.44	0.44	0.44	0.46	0.50	0.54	0.57	0.56	0.53	0.50	0.48	0.46						
180	0.46	0.48	0.49	0.49	0.48	0.46	0.45	0.46	0.47	0.49	0.48	0.48						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-02

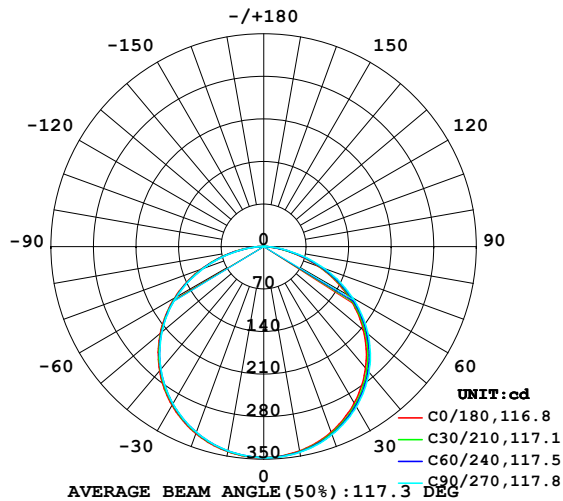
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

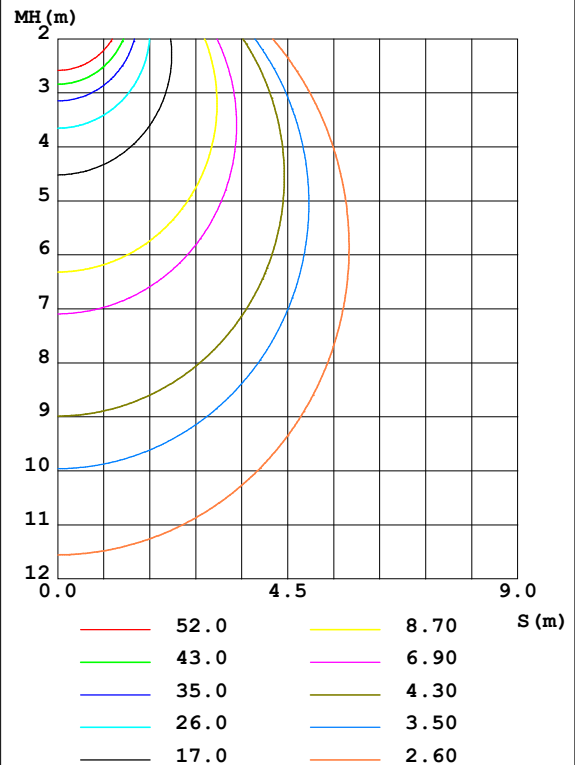
Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.18 lm/W			
MODEL		I _{max} (cd)	347.6	S/MH(C0/180)	1.29
NOMINAL POWER(W)	10.1	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1052.3	η UP,DN(C0-180)	0.3,49.6
NOMINAL FLUX(lm)	1052.27	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.6
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	341.2	342.7	343.5	343.4	342.5	341.5	341.1	341.3	0- 10	32.91	32.91	3.13,3.13
20	324.7	327.5	329.3	328.8	327.3	325.5	324.8	324.8	10- 20	94.79	127.7	12.1,12.1
30	297.8	301.9	304.7	303.9	301.8	299.6	298.8	298.3	20- 30	145.2	272.9	25.9,25.9
40	260.9	266.0	269.6	269.0	266.8	264.3	263.5	262.1	30- 40	177.9	450.8	42.8,42.8
50	214.3	219.8	224.1	224.1	222.2	219.9	218.8	216.6	40- 50	188.0	638.8	60.7,60.7
60	159.1	164.2	169.2	170.2	169.5	167.3	165.8	162.6	50- 60	173.3	812.2	77.2,77.2
70	96.99	101.1	105.9	108.8	109.8	107.9	105.9	101.7	60- 70	134.5	946.6	90,90
80	35.54	37.67	41.37	45.72	48.33	46.71	44.42	38.89	70- 80	76.87	1024	97.3,97.3
90	1.600	1.651	1.580	3.842	5.645	4.582	2.272	2.958	80- 90	20.83	1044	99.2,99.2
100	0.7419	0.7081	0.6960	0.8525	1.659	1.620	1.603	1.673	90-100	1.685	1046	99.4,99.4
110	0.6992	0.6825	0.6884	0.8222	1.553	1.553	1.535	1.538	100-110	1.225	1047	99.5,99.5
120	0.7459	0.7251	0.7326	0.8754	1.560	1.562	1.561	1.534	110-120	1.138	1048	99.6,99.6
130	0.8202	0.7910	0.8035	0.9373	1.577	1.585	1.551	1.537	120-130	1.063	1049	99.7,99.7
140	0.8819	0.8580	0.8761	0.9946	1.566	1.583	1.562	1.524	130-140	0.9450	1050	99.8,99.8
150	0.9704	0.9508	0.9762	1.067	1.533	1.550	1.560	1.500	140-150	0.7834	1051	99.9,99.9
160	1.104	1.085	1.115	1.174	1.494	1.505	1.522	1.475	150-160	0.5951	1052	100,100
170	1.231	1.226	1.257	1.278	1.415	1.428	1.455	1.427	160-170	0.3757	1052	100,100
180	1.291	1.300	1.331	1.316	1.290	1.301	1.336	1.316	170-180	0.1275	1052	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 545.06 lm

%lum = 51.8%

%lamp = 51.8%

Conical surface Flux(120deg): 812.16 lm

%lum = 77.2%

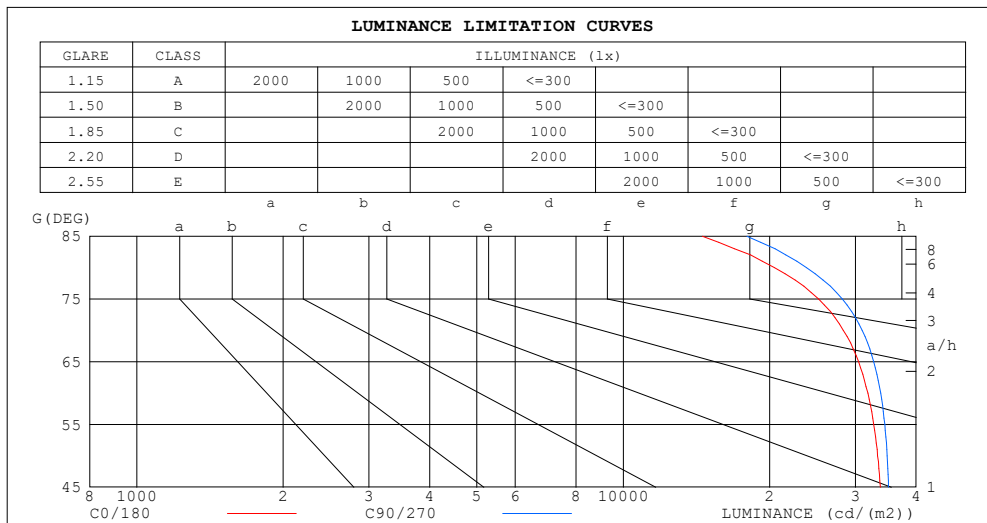
%lamp = 77.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14542	17956
80	20466	23823
75	25220	28217
70	28357	30966
65	30458	32739
60	31829	33831
55	32734	34491
50	33340	34871
45	33766	35098

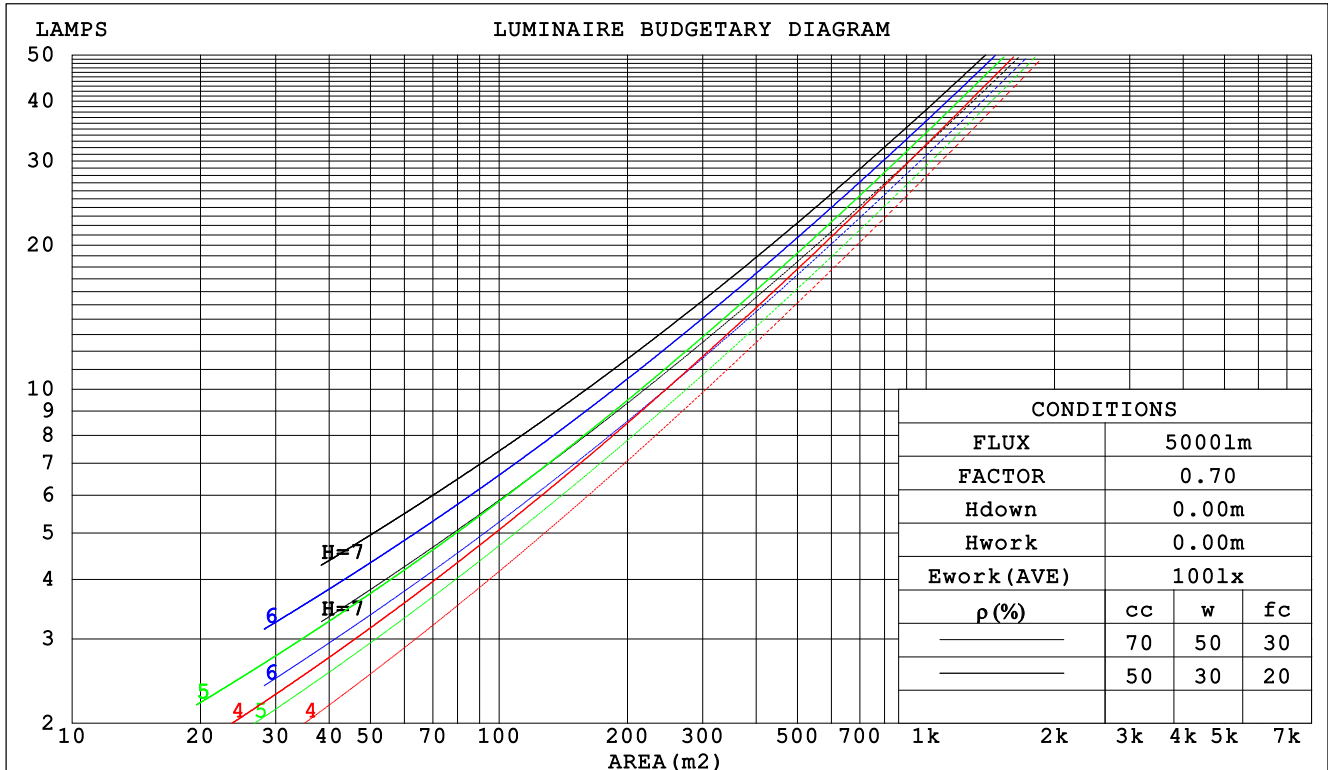
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.59	.57
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.36
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.315	.179	.057	.307	.175	.056	.294	.168	.054	.281	.162	.052	.269	.156	.050		
2.0	.296	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.273	.146	.044	.268	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041		
4.0	.252	.131	.039	.247	.129	.038	.237	.126	.038	.229	.123	.037	.220	.120	.036		
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.074	.021		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.186	.162	.140	.160	.139	.120	.109	.096	.083	.063	.055	.048	.020	.018	.016		
2.0	.179	.138	.103	.153	.119	.089	.105	.082	.062	.060	.048	.037	.019	.015	.012		
3.0	.171	.120	.080	.147	.104	.069	.101	.072	.048	.058	.042	.029	.019	.014	.009		
4.0	.163	.107	.064	.140	.092	.055	.096	.064	.039	.056	.038	.023	.018	.012	.008		
5.0	.156	.097	.053	.134	.084	.046	.092	.058	.032	.053	.034	.019	.017	.011	.006		
6.0	.149	.088	.045	.128	.076	.039	.088	.054	.028	.051	.031	.016	.017	.010	.005		
7.0	.142	.081	.039	.122	.071	.034	.084	.049	.024	.049	.029	.014	.016	.010	.005		
8.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004		
9.0	.129	.071	.031	.111	.061	.027	.077	.043	.019	.045	.025	.011	.015	.008	.004		
10.0	.124	.066	.028	.107	.058	.025	.074	.041	.018	.043	.024	.010	.014	.008	.003		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz										
Lamp Flux:1052.27x1 lm										
Name: SOO8120BC1LZ					Type: LED					
MFR.:										
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	25.0	26.5	25.3	26.7	27.0	25.2	26.7	25.5	27.0	27.2
3H	26.5	27.9	26.8	28.1	28.4	26.8	28.2	27.1	28.4	28.7
4H	27.0	28.3	27.3	28.6	28.9	27.4	28.7	27.7	29.0	29.2
6H	27.3	28.6	27.7	28.9	29.2	27.7	29.0	28.1	29.3	29.6
8H	27.4	28.6	27.8	28.9	29.2	27.8	29.1	28.2	29.4	29.7
12H	27.4	28.6	27.8	28.9	29.2	27.9	29.1	28.3	29.4	29.7
4H 2H	25.6	27.0	26.0	27.2	27.5	25.8	27.1	26.1	27.4	27.7
3H	27.3	28.5	27.6	28.8	29.1	27.5	28.7	27.9	29.0	29.3
4H	27.9	29.0	28.3	29.3	29.7	28.2	29.3	28.6	29.6	30.0
6H	28.4	29.3	28.8	29.7	30.1	28.7	29.7	29.1	30.1	30.4
8H	28.5	29.4	28.9	29.7	30.1	28.9	29.8	29.3	30.2	30.6
12H	28.5	29.3	29.0	29.7	30.2	29.0	29.8	29.4	30.2	30.6
8H 4H	28.2	29.1	28.6	29.4	29.9	28.5	29.3	28.9	29.7	30.1
6H	28.7	29.5	29.2	29.9	30.3	29.1	29.8	29.5	30.2	30.7
8H	28.9	29.6	29.4	30.0	30.5	29.3	29.9	29.8	30.4	30.8
12H	29.0	29.6	29.5	30.0	30.5	29.4	30.0	29.9	30.4	30.9
12H 4H	28.2	29.0	28.6	29.4	29.8	28.4	29.3	28.9	29.7	30.1
6H	28.8	29.4	29.2	29.9	30.3	29.1	29.8	29.6	30.2	30.7
8H	29.0	29.5	29.5	30.0	30.5	29.3	29.9	29.8	30.4	30.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1052 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.2$)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		

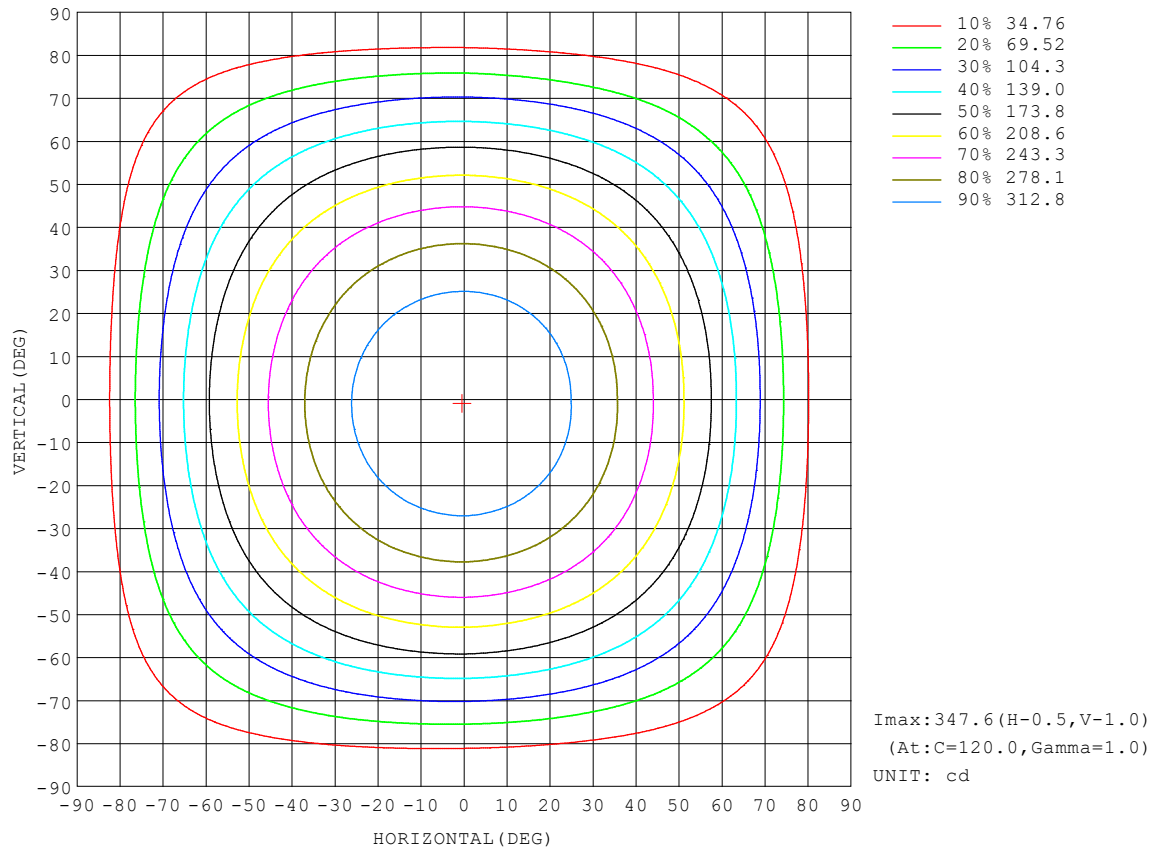
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	54	44	37	31
0.80	67	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		

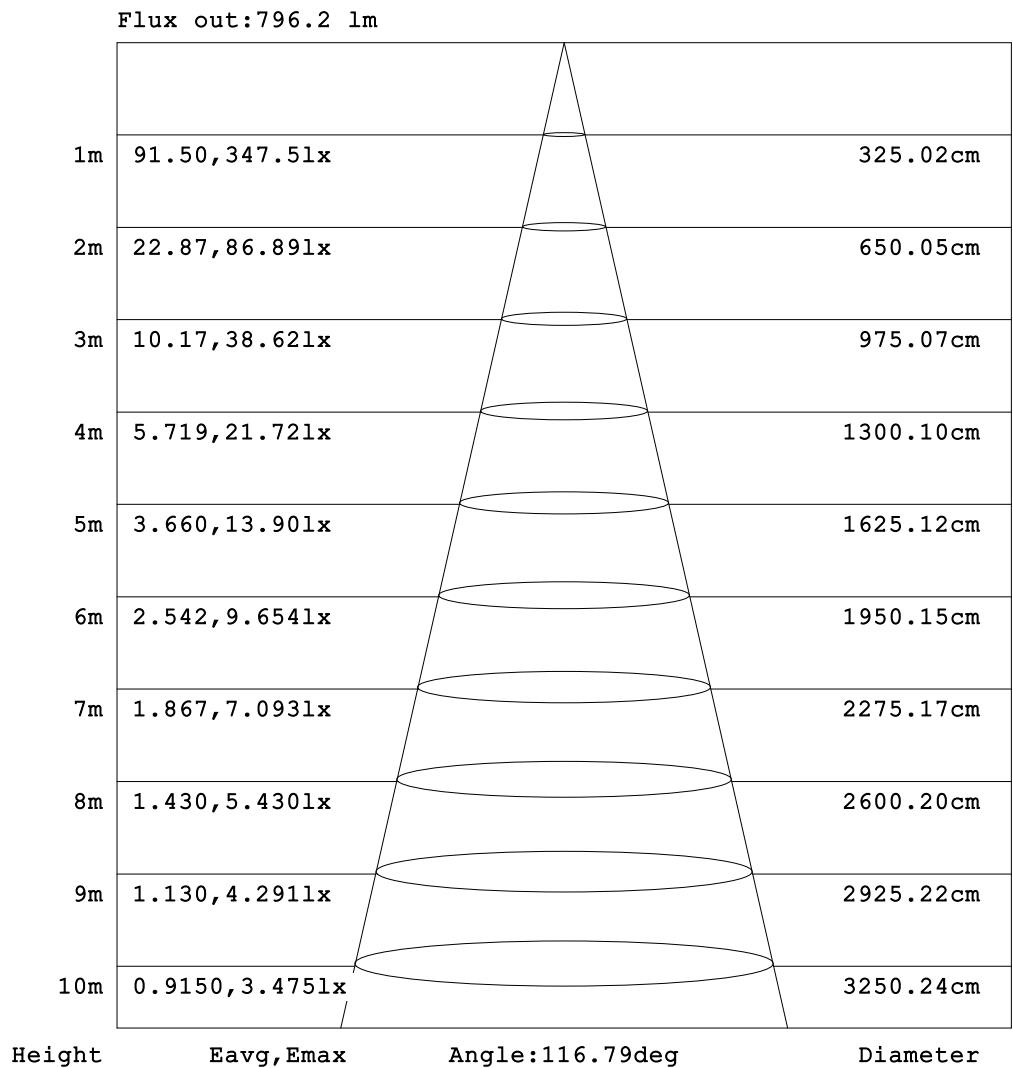


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks:

AAI Figure

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		



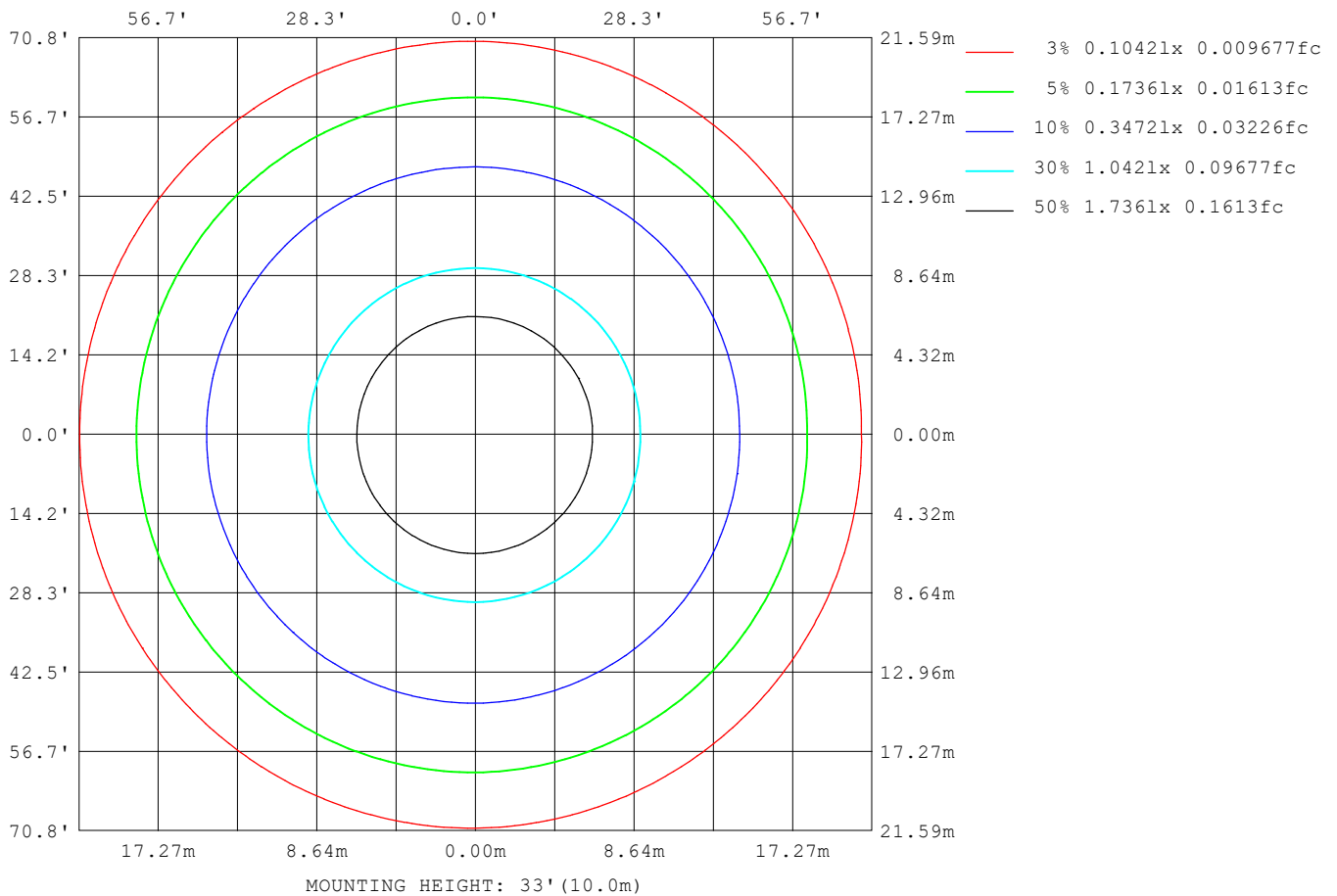
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

ISOLUX DIAGRAM

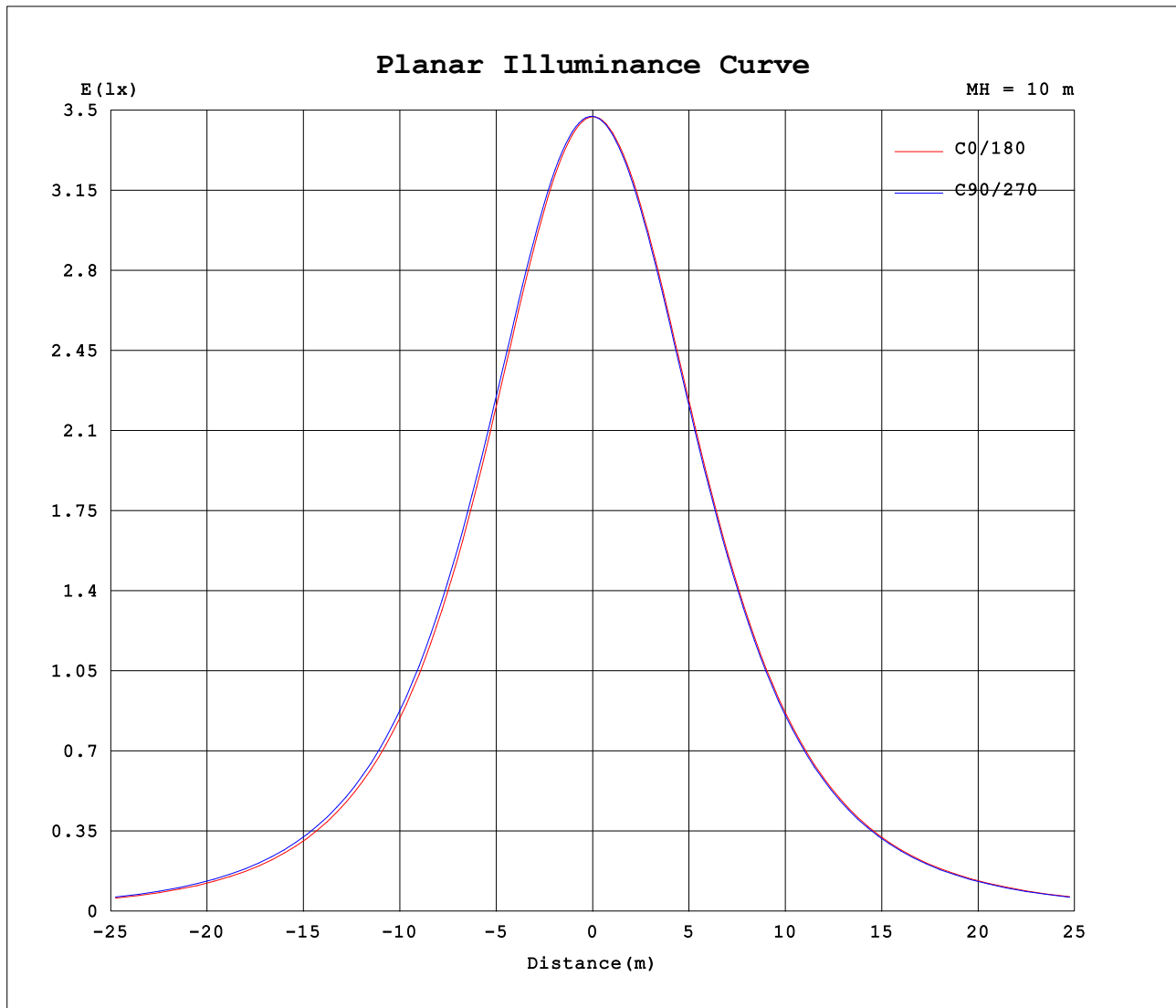
Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz		
Lamp Flux:1052.27x1 lm		
Name: SOO8120BC1LZ	Type: LED	
MFR.:		



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7125]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7125]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.4220A P:10.100W PF:1.000 Freq:0Hz																	
Lamp Flux:1052.27x1 lm																	
Name: SOO8120BC1LZ									Type: LED								
MFR.:																	

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	347	347	347	347	348	347	347	347	347	347	348	348						
5	346	346	346	347	347	347	346	346	345	345	346	346						
10	341	342	343	343	344	343	342	342	341	341	341	341						
15	334	336	337	338	338	337	336	335	334	334	334	334						
20	325	327	328	329	329	328	327	326	325	325	325	325						
25	313	315	317	318	318	317	316	314	313	313	313	313						
30	298	301	303	305	304	303	302	300	299	299	298	298						
35	280	284	287	288	288	287	285	284	283	282	282	281						
40	261	264	267	270	270	268	267	265	264	263	263	262						
45	239	242	246	248	248	247	246	244	243	242	241	240						
50	214	218	222	224	225	224	222	220	219	219	217	216						
55	188	191	195	198	198	198	197	195	194	193	192	190						
60	159	162	166	169	170	170	169	168	167	166	164	161						
65	129	132	135	138	140	141	140	139	138	137	134	131						
70	97.0	99.5	103	106	108	109	110	109	107	106	103	100						
75	65.3	67.0	69.8	73.0	75.7	77.7	78.6	77.5	76.3	74.6	69.2	65.5						
80	35.5	36.7	38.7	41.4	44.4	47.0	48.3	47.4	46.0	44.4	40.5	37.2						
85	12.7	12.9	13.9	15.6	18.2	20.5	22.0	21.4	20.3	18.9	16.8	14.6						
90	1.60	1.72	1.58	1.58	3.04	4.65	5.65	5.30	3.87	2.27	2.92	3.00						
95	0.76	0.82	0.77	0.70	0.79	1.32	2.05	1.94	1.72	1.65	1.85	1.64						
100	0.74	0.72	0.70	0.70	0.67	1.04	1.66	1.66	1.58	1.60	1.78	1.56						
105	0.71	0.68	0.68	0.69	0.65	0.99	1.58	1.60	1.55	1.57	1.68	1.45						
110	0.70	0.68	0.68	0.69	0.66	0.99	1.55	1.58	1.53	1.54	1.65	1.43						
115	0.71	0.70	0.69	0.70	0.68	1.00	1.55	1.57	1.52	1.53	1.64	1.42						
120	0.75	0.73	0.72	0.73	0.72	1.03	1.56	1.58	1.54	1.56	1.65	1.42						
125	0.79	0.76	0.76	0.77	0.76	1.06	1.57	1.59	1.54	1.55	1.64	1.43						
130	0.82	0.79	0.79	0.80	0.79	1.09	1.58	1.61	1.56	1.55	1.64	1.44						
135	0.85	0.82	0.82	0.84	0.83	1.11	1.58	1.62	1.58	1.56	1.63	1.43						
140	0.88	0.86	0.86	0.88	0.86	1.13	1.57	1.60	1.57	1.56	1.62	1.43						
145	0.92	0.89	0.90	0.92	0.91	1.15	1.55	1.58	1.56	1.56	1.60	1.42						
150	0.97	0.95	0.95	0.98	0.96	1.17	1.53	1.56	1.54	1.56	1.59	1.41						
155	1.03	1.01	1.02	1.04	1.03	1.21	1.51	1.53	1.53	1.55	1.56	1.41						
160	1.10	1.08	1.09	1.11	1.10	1.25	1.49	1.51	1.50	1.52	1.54	1.41						
165	1.17	1.15	1.16	1.19	1.18	1.28	1.46	1.47	1.47	1.49	1.50	1.41						
170	1.23	1.22	1.23	1.26	1.25	1.31	1.42	1.42	1.43	1.46	1.46	1.39						
175	1.29	1.28	1.29	1.31	1.31	1.32	1.35	1.36	1.37	1.40	1.39	1.36						
180	1.29	1.29	1.31	1.33	1.32	1.31	1.29	1.29	1.31	1.34	1.33	1.31						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: