

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.5020A P:12.047W PF:1.0000 Freq:49.99Hz

Lamp Flux:517.65x1 lm

NAME: 软灯条

TYPE: 软灯条

WEIGHT:

SPEC.: S010060CC3SF Mixed

DIM.: 1000×10MM

SERIAL No.: 10105-0785-00

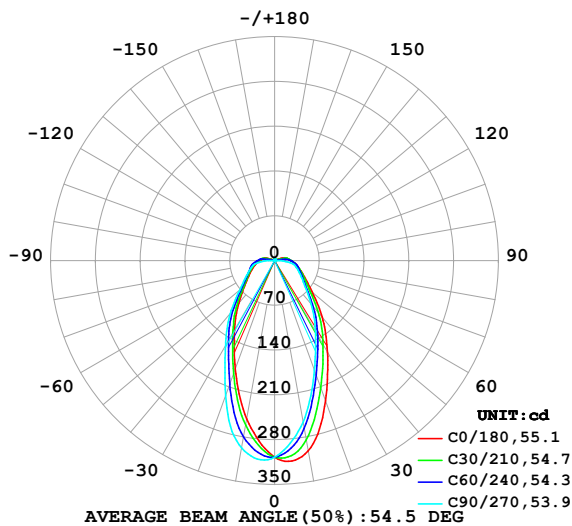
MFR.: iPixel LED

SUR.: 1000×10MM

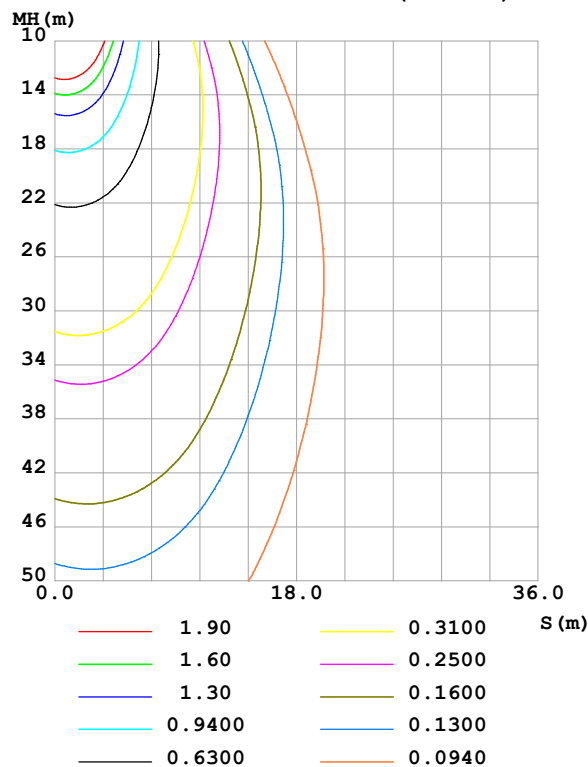
Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 42.97 lm/W
MODEL	S010060CC3SF Mixed	Imax (cd)	318.5	S/MH(C0/180)	0.71	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.86	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	517.65	η UP,DN(C0-180)	3.6,45.1	
NOMINAL FLUX(lm)	517.65	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.6,47.7	
LAMPS INSIDE	1	η up (%)	7.2	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	24	η down (%)	92.8	CIBSE SHR MAX	0.95	

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: LEIXIAOLAN
Test Date: 2024-12-16

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	302.1	275.6	256.6	250.1	251.6	270.5	297.3	310.1	0- 10	27.81	27.81	5.37,5.37
20	233.4	200.7	182.4	180.5	180.6	196.7	224.7	243.6	10- 20	67.63	95.45	18.4,18.4
30	165.4	143.4	128.4	126.1	125.6	137.9	154.0	169.2	20- 30	78.93	174.4	33.7,33.7
40	116.1	100.2	89.15	87.94	87.83	96.94	108.0	117.6	30- 40	75.78	250.2	48.3,48.3
50	77.09	68.05	61.97	61.21	61.25	65.33	71.12	77.33	40- 50	63.85	314.0	60.7,60.7
60	55.42	51.51	47.67	47.13	46.57	49.34	52.40	56.20	50- 60	52.32	366.3	70.8,70.8
70	42.64	41.63	37.86	38.70	37.10	40.28	40.99	44.54	60- 70	45.05	411.4	79.5,79.5
80	33.54	33.91	28.25	32.21	29.76	33.63	31.22	35.81	70- 80	38.98	450.4	87,87
90	25.79	25.92	4.690	24.84	23.50	26.03	6.680	24.92	80- 90	30.01	480.4	92.8,92.8
100	20.13	16.52	1.016	16.66	18.57	17.17	0.7204	16.47	90-100	20.14	500.5	96.7,96.7
110	10.63	2.350	1.034	3.881	9.700	3.553	0.8175	3.936	100-110	9.357	509.9	98.5,98.5
120	1.369	1.197	1.203	1.437	1.406	1.324	1.062	1.159	110-120	2.112	512.0	98.9,98.9
130	1.341	1.455	1.549	1.659	1.650	1.498	1.361	1.318	120-130	1.213	513.2	99.1,99.1
140	1.613	1.738	1.884	1.973	1.941	1.835	1.703	1.656	130-140	1.265	514.5	99.4,99.4
150	1.954	2.053	2.197	2.252	2.213	2.136	2.021	1.993	140-150	1.223	515.7	99.6,99.6
160	2.263	2.325	2.421	2.462	2.432	2.375	2.294	2.285	150-160	1.031	516.7	99.8,99.8
170	2.499	2.521	2.594	2.609	2.597	2.557	2.518	2.523	160-170	0.6945	517.4	100,100
180	2.657	2.663	2.680	2.682	2.665	2.651	2.673	2.682	170-180	0.2484	517.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 283.86 lm

%lum = 54.8%

%lamp = 54.8%

Conical surface Flux(130deg): 389.65 lm

%lum = 75.3%

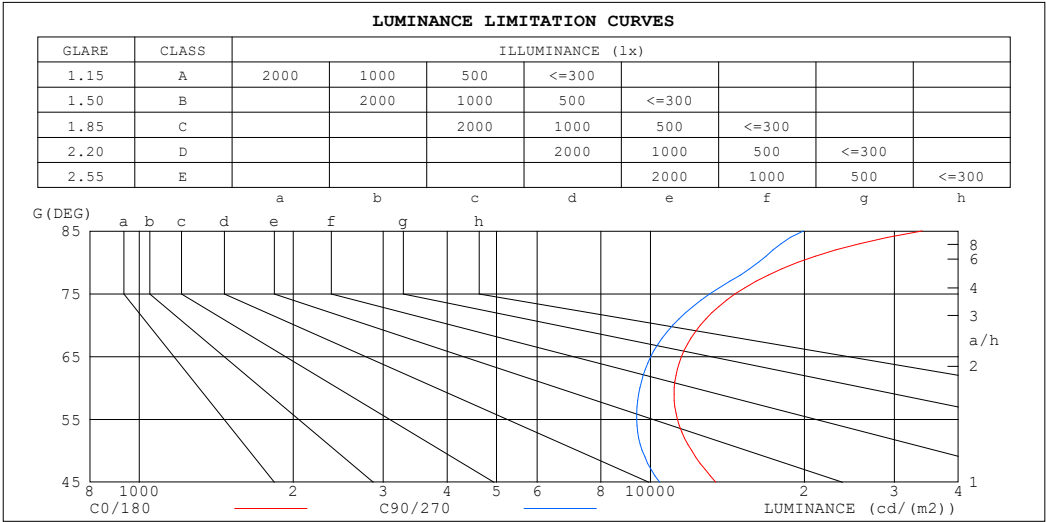
%lamp = 75.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:LEIXIAOLAN
 Test Date:2024-12-16

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:0.5020A P:12.047W PF:1.0000 Freq:49.99Hz Lamp Flux:517.65x1 lm		
NAME: 软灯条	TYPE: 软灯条	WEIGHT:
SPEC.: S010060CC3SF Mixed	DIM.: 1000×10MM	SERIAL No.: 10105-0785-00
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	34021	19929
80	19396	16262
75	14655	13077
70	12517	11066
65	11502	10012
60	11128	9531
55	11288	9397
50	12041	9638
45	13425	10426

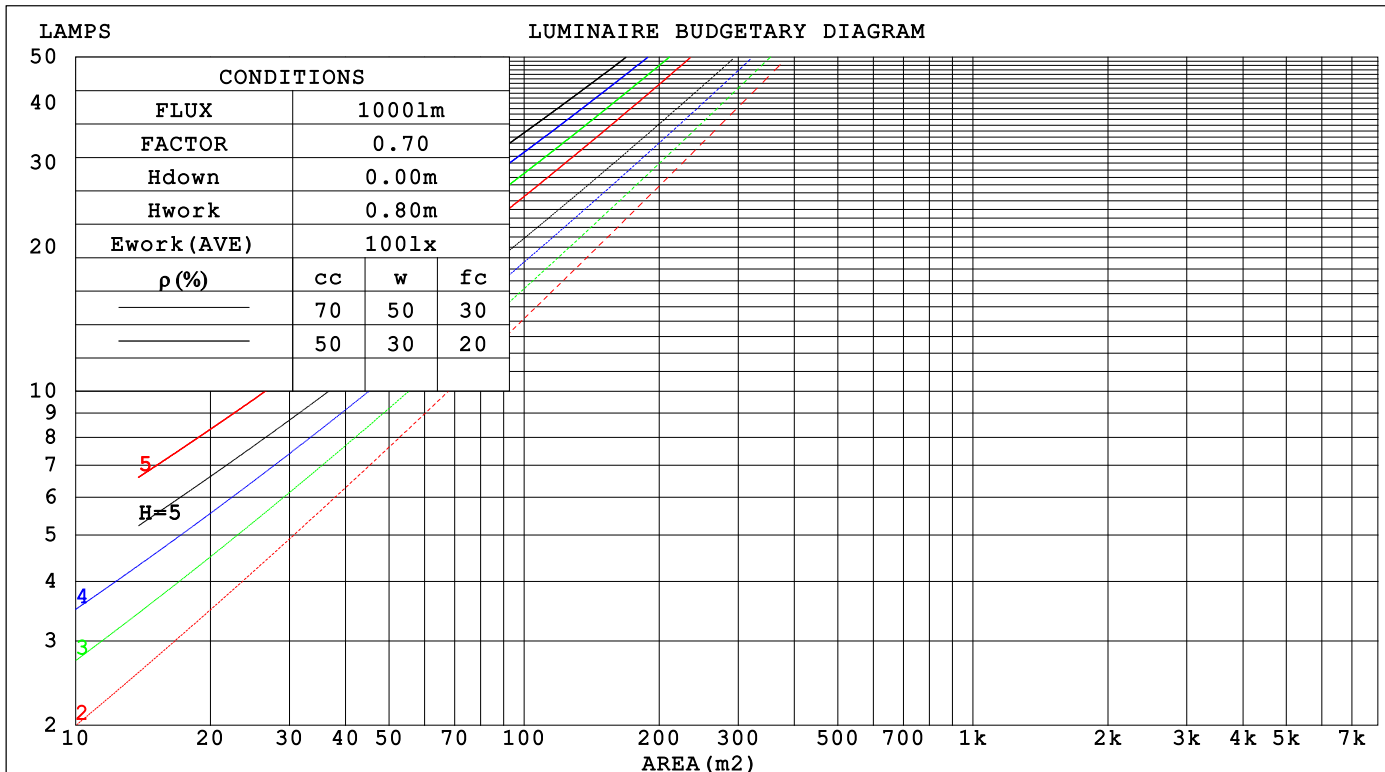
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.5020A P:12.047W PF:1.0000 Freq:49.99Hz Lamp Flux:517.65x1 lm		
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MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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WEC AND CCEC

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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	.333	.190	.060	.324	.185	.059	.307	.176	.056	.290	.168	.054	.276	.160	.052		
2.0	.292	.160	.049	.284	.157	.048	.269	.149	.046	.254	.143	.045	.241	.136	.043		
3.0	.262	.140	.042	.255	.137	.041	.241	.131	.040	.229	.125	.038	.217	.120	.037		
4.0	.238	.124	.036	.232	.121	.036	.219	.116	.035	.208	.112	.034	.197	.107	.033		
5.0	.218	.111	.032	.212	.109	.032	.201	.105	.031	.191	.101	.030	.182	.097	.029		
6.0	.201	.101	.029	.196	.099	.029	.186	.095	.028	.177	.092	.027	.168	.089	.026		
7.0	.187	.092	.026	.182	.091	.026	.173	.088	.025	.165	.085	.025	.157	.082	.024		
8.0	.174	.085	.024	.170	.084	.024	.162	.081	.023	.154	.078	.023	.147	.076	.022		
9.0	.163	.079	.022	.160	.078	.022	.152	.075	.021	.145	.073	.021	.138	.070	.020		
10.0	.154	.074	.020	.150	.073	.020	.143	.070	.020	.137	.068	.019	.131	.066	.019		

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	.245	.245	.245	.210	.210	.210	.143	.143	.143	.082	.082	.082	.026	.026	.026		
1.0	.237	.211	.188	.203	.181	.162	.139	.125	.112	.080	.072	.065	.026	.023	.021		
2.0	.228	.188	.154	.195	.161	.133	.134	.112	.093	.077	.065	.054	.025	.021	.018		
3.0	.219	.170	.131	.188	.147	.114	.129	.102	.080	.074	.060	.047	.024	.019	.015		
4.0	.210	.157	.116	.181	.136	.101	.124	.095	.071	.072	.055	.042	.023	.018	.014		
5.0	.202	.147	.105	.174	.127	.092	.120	.089	.065	.069	.052	.038	.022	.017	.013		
6.0	.195	.138	.098	.167	.120	.085	.115	.084	.060	.067	.049	.036	.022	.016	.012		
7.0	.188	.131	.092	.161	.114	.080	.112	.080	.057	.065	.047	.034	.021	.015	.011		
8.0	.181	.125	.087	.156	.109	.076	.108	.076	.054	.063	.045	.032	.020	.015	.011		
9.0	.175	.120	.083	.151	.104	.073	.105	.073	.052	.061	.043	.031	.020	.014	.010		
10.0	.170	.116	.081	.146	.101	.070	.101	.071	.050	.059	.042	.030	.019	.014	.010		

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Test Speed: HIGH
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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:0.5020A P:12.047W PF:1.0000 Freq:49.99Hz Lamp Flux:517.65x1 lm										
NAME: 软灯条					TYPE: 软灯条			WEIGHT:		
SPEC.: S010060CC3SF Mixed					DIM.: 1000×10MM			SERIAL No.: 10105-0785-00		
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	22.3	23.7	22.7	24.0	24.3	21.5	22.8	21.9	23.2	23.5
3H	24.3	25.5	24.7	25.9	26.2	23.5	24.8	23.9	25.1	25.5
4H	25.4	26.6	25.8	27.0	27.4	24.7	25.9	25.1	26.3	26.7
6H	26.7	27.8	27.1	28.2	28.6	26.0	27.1	26.4	27.5	27.9
8H	27.4	28.5	27.9	28.9	29.3	26.5	27.6	27.0	28.0	28.5
12H	28.3	29.3	28.7	29.7	30.2	27.0	28.1	27.5	28.5	29.0
4H 2H	22.9	24.1	23.3	24.5	24.8	22.3	23.5	22.7	23.8	24.2
3H	25.1	26.2	25.6	26.6	27.1	24.6	25.6	25.1	26.1	26.5
4H	26.5	27.4	27.0	27.9	28.4	26.0	26.9	26.5	27.4	27.9
6H	28.0	28.9	28.5	29.3	29.8	27.5	28.3	28.0	28.8	29.3
8H	28.8	29.7	29.4	30.1	30.7	28.1	29.0	28.7	29.4	30.0
12H	29.8	30.6	30.4	31.1	31.6	28.8	29.5	29.3	30.0	30.6
8H 4H	27.0	27.8	27.5	28.3	28.9	26.6	27.4	27.2	27.9	28.5
6H	28.8	29.5	29.4	30.0	30.6	28.4	29.1	29.0	29.6	30.2
8H	29.9	30.5	30.4	31.0	31.6	29.3	29.9	29.9	30.5	31.1
12H	31.1	31.6	31.7	32.2	32.8	30.2	30.7	30.8	31.3	31.9
12H 4H	27.1	27.9	27.7	28.4	29.0	26.8	27.5	27.3	28.0	28.6
6H	29.1	29.7	29.6	30.2	30.8	28.7	29.3	29.3	29.9	30.5
8H	30.2	30.8	30.8	31.3	32.0	29.8	30.3	30.3	30.9	31.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117, 517.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.3)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LEIXIAOLAN
Test Date:2024-12-16

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:0.5020A P:12.047W PF:1.0000 Freq:49.99Hz Lamp Flux:517.65x1 lm		
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SPEC.: S010060CC3SF Mixed	DIM.: 1000×10MM	SERIAL No.: 10105-0785-00
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

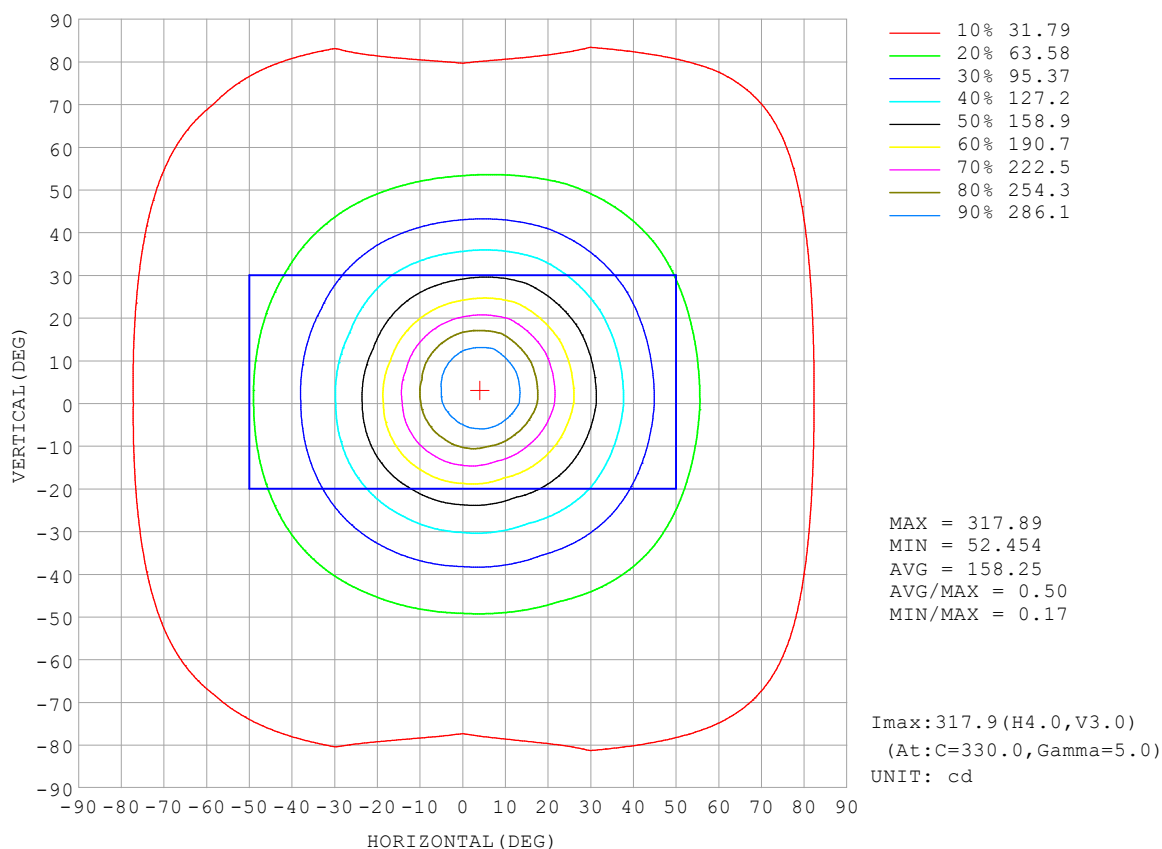
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	43	59	49	43	58	48	42	36
0.80	69	58	51	68	57	51	66	56	50	44
1.00	76	65	58	74	64	57	72	65	57	50
1.25	82	71	64	80	71	64	77	69	63	55
1.50	86	76	69	84	75	69	81	73	67	59
2.00	92	83	76	90	82	75	86	79	74	65
2.50	96	88	81	94	86	80	89	83	78	68
3.00	99	91	85	96	90	84	92	86	81	71
4.00	103	96	91	100	94	89	95	90	86	75
5.00	105	100	95	102	97	93	97	93	89	78
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
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 Remarks:

ISOCANDELA DIAGRAM

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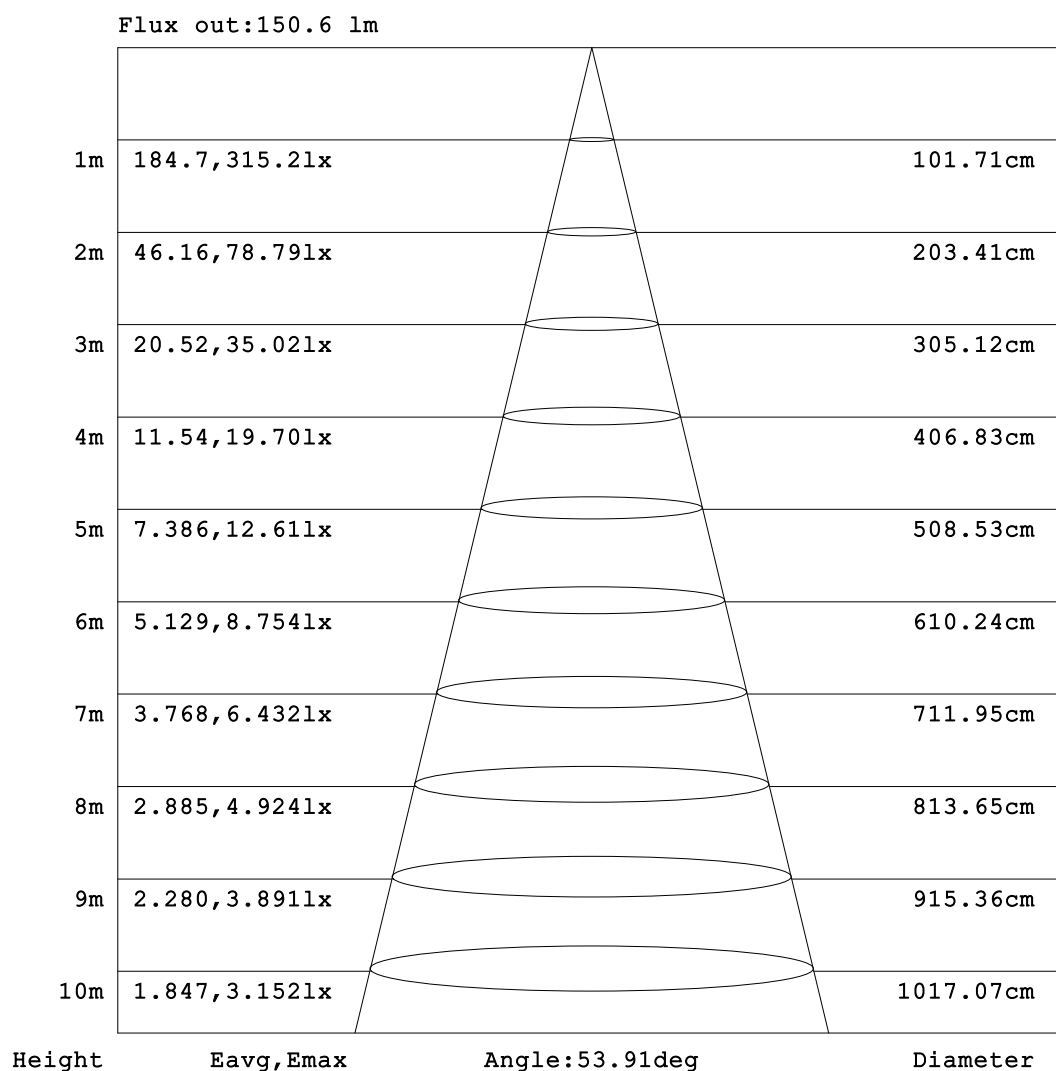


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AAI Figure

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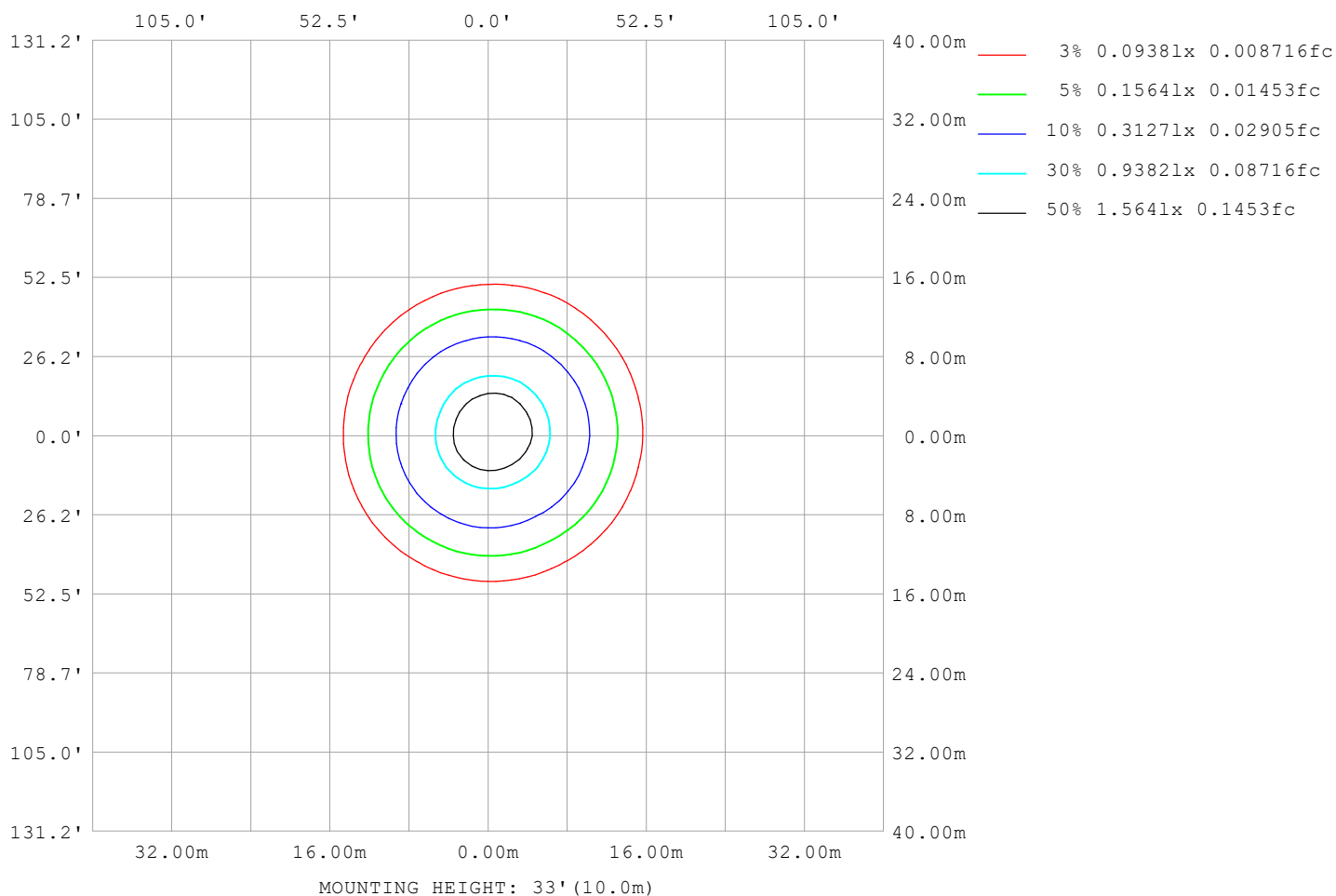
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Remarks:

ISOLUX DIAGRAM

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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
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Remarks:

LED Avg.L Report

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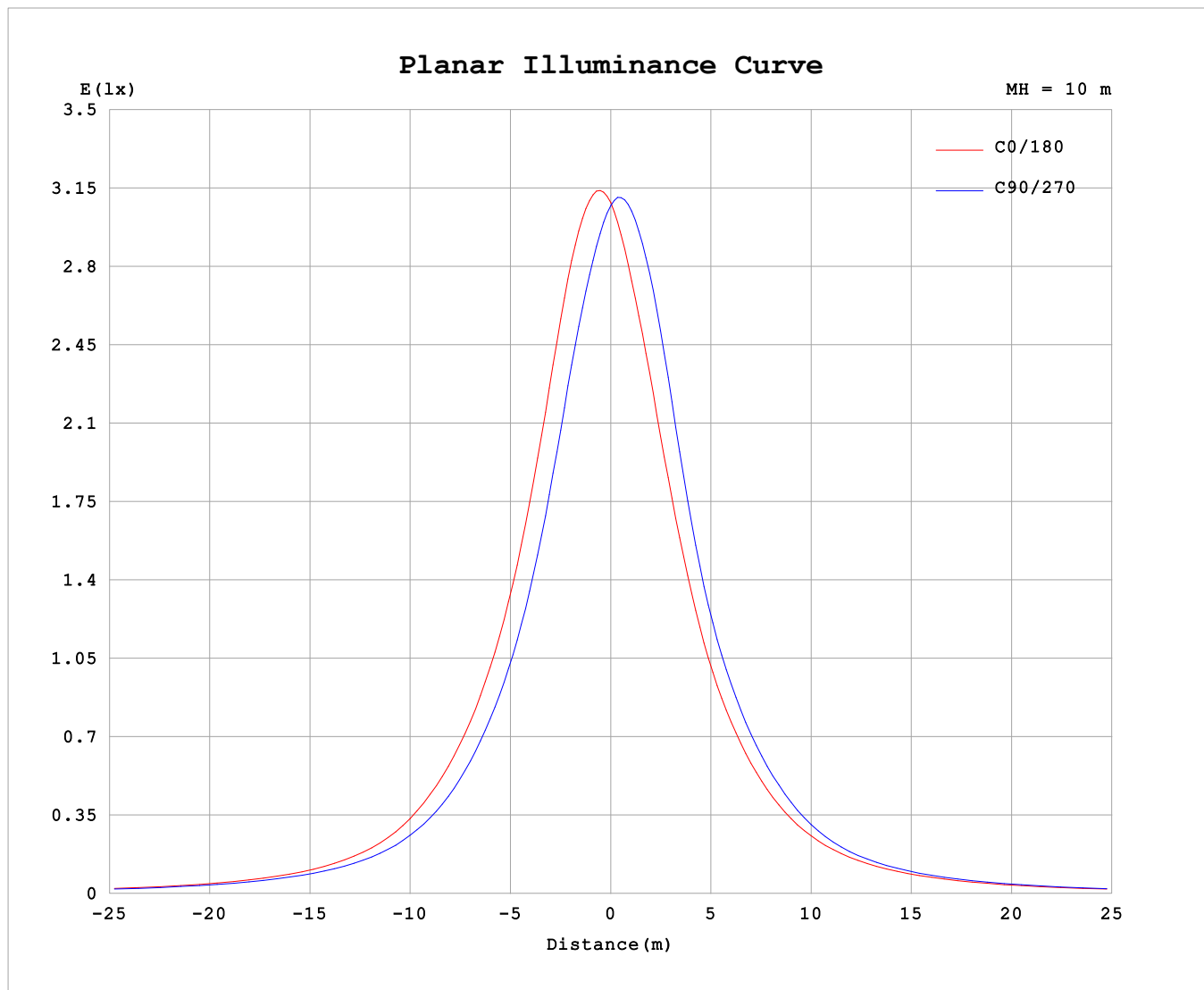
AvgL	cd/m2
L_0~180 (65) av	10637
L_0~180 (75) av	13708
L_0~180 (85) av	32183
L_90~270 (65) av	10461
L_90~270 (75) av	13640
L_90~270 (85) av	21556
L_45 (65) av	10824
L_45 (75) av	14658
L_45 (85) av	34875

Standard: GB/T 29293-2012

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C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LEIXIAOLAN
Test Date:2024-12-16

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: LEIXIAOLAN
Test Date: 2024-12-16

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:0.5020A P:12.047W PF:1.0000 Freq:49.99Hz Lamp Flux:517.65x1 lm		
NAME: 软灯条	TYPE: 软灯条	WEIGHT:
SPEC.: S010060CC3SF Mixed	DIM.: 1000×10MM	SERIAL No.: 10105-0785-00
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	307	307	307	307	307	307	307	307	307	307	307	307							
5	314	306	295	286	282	281	283	290	301	311	318	319							
10	302	285	266	257	250	250	252	261	280	297	310	310							
15	272	249	227	219	215	215	215	225	246	268	284	283							
20	233	211	190	182	180	181	181	188	206	225	243	244							
25	196	179	160	152	150	151	150	156	171	184	203	204							
30	165	152	135	128	126	126	126	131	145	154	168	170							
35	139	129	114	108	106	106	106	111	123	130	141	143							
40	116	107	93.6	89.2	87.8	88.1	87.8	92.3	102	108	116	119							
45	94.5	86.8	76.9	73.7	72.6	72.8	72.7	75.8	82.1	87.4	94.4	96.8							
50	77.1	71.5	64.6	62.0	61.0	61.4	61.3	63.3	67.4	71.1	76.3	78.4							
55	64.5	60.9	56.1	53.9	53.0	53.1	52.8	54.5	57.6	60.3	64.2	65.5							
60	55.4	53.2	49.8	47.7	47.2	47.0	46.6	48.1	50.6	52.4	55.9	56.5							
65	48.4	47.2	44.9	42.3	42.7	42.3	41.5	43.1	45.3	46.1	49.6	49.8							
70	42.6	42.2	41.0	37.9	39.1	38.3	37.1	39.0	41.6	41.0	44.8	44.3							
75	37.8	37.7	37.9	33.9	36.6	34.5	33.2	35.2	38.9	36.8	41.1	39.4							
80	33.5	33.7	34.1	28.2	33.4	31.0	29.8	31.6	35.7	31.2	36.6	35.1							
85	29.5	29.9	29.5	17.4	28.8	27.8	26.6	28.4	30.8	20.2	30.9	30.8							
90	25.8	26.3	25.5	4.69	25.0	24.7	23.5	25.3	26.8	6.68	23.9	26.0							
95	22.6	23.2	22.2	0.95	21.8	21.9	20.8	22.5	23.5	0.77	19.6	23.0							
100	20.1	20.7	12.3	1.02	13.8	19.5	18.6	20.2	14.1	0.72	13.6	19.4							
105	17.6	14.6	2.13	1.02	2.41	14.7	15.9	14.7	2.30	0.73	2.91	14.6							
110	10.6	3.58	1.12	1.03	1.13	6.63	9.70	5.97	1.14	0.82	0.91	6.96							
115	3.80	1.75	1.05	1.07	1.13	2.26	3.62	1.92	1.06	0.93	0.93	2.06							
120	1.37	1.30	1.09	1.20	1.27	1.61	1.41	1.48	1.17	1.06	1.05	1.26							
125	1.20	1.39	1.24	1.37	1.44	1.61	1.50	1.48	1.32	1.21	1.20	1.20							
130	1.34	1.51	1.40	1.55	1.61	1.71	1.65	1.52	1.47	1.36	1.35	1.29							
135	1.48	1.62	1.58	1.72	1.78	1.85	1.79	1.70	1.65	1.53	1.51	1.45							
140	1.61	1.72	1.75	1.88	1.94	2.00	1.94	1.85	1.82	1.70	1.68	1.63							
145	1.79	1.87	1.92	2.04	2.10	2.15	2.09	2.01	1.97	1.87	1.85	1.81							
150	1.95	2.04	2.07	2.20	2.22	2.28	2.21	2.15	2.12	2.02	2.01	1.98							
155	2.11	2.19	2.22	2.32	2.34	2.39	2.33	2.27	2.26	2.16	2.15	2.13							
160	2.26	2.32	2.33	2.42	2.43	2.49	2.43	2.38	2.37	2.29	2.29	2.28							
165	2.39	2.44	2.43	2.51	2.52	2.56	2.52	2.47	2.48	2.42	2.42	2.40							
170	2.50	2.53	2.51	2.59	2.59	2.63	2.60	2.54	2.58	2.52	2.54	2.51							
175	2.59	2.61	2.60	2.67	2.64	2.68	2.66	2.61	2.65	2.62	2.65	2.60							
180	2.66	2.67	2.66	2.68	2.68	2.68	2.66	2.64	2.66	2.67	2.68	2.68							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LEIXIAOLAN
Test Date:2024-12-16

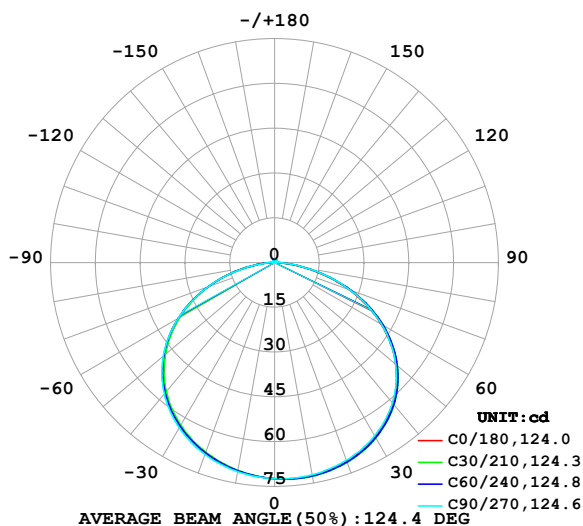
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

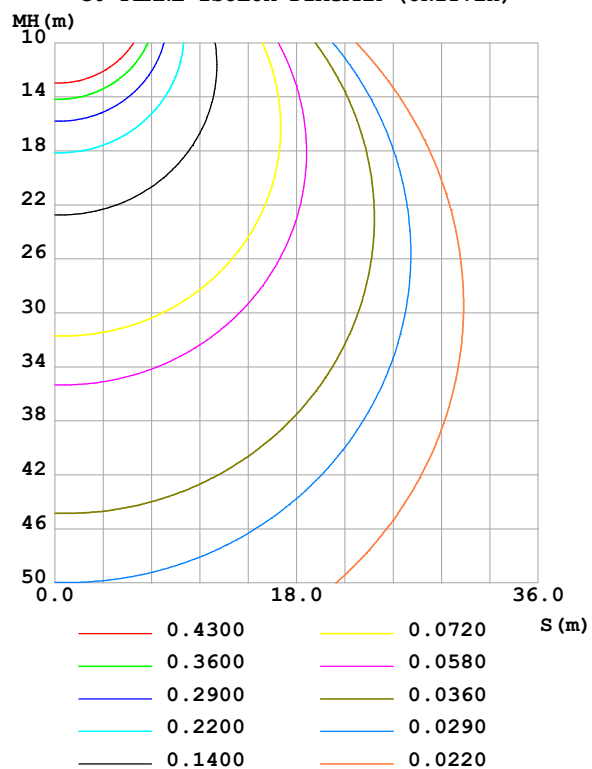
Test:U:11.999V I:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 28.11 lm/W
MODEL	S010060CB3SB7 Mixed	Imax (cd)	72.75	S/MH(C0/180)	1.30	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.32	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	239.22	η UP,DN(C0-180)	0.8,51.0	
NOMINAL FLUX(lm)	239.22	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,47.4	
LAMPS INSIDE	1	η up (%)	1.6	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	12	η down (%)	98.4	CIBSE SHR MAX	1.55	

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:WHL
Test Date:2025-05-10

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	72.45	72.61	72.19	71.48	70.81	70.76	71.11	71.86	0- 10	6.875	6.875	2.87,2.87
20	70.89	71.12	70.46	69.15	67.78	67.68	68.38	69.62	10- 20	20.00	26.87	11.2,11.2
30	67.34	67.76	67.02	65.27	63.17	63.11	63.89	65.05	20- 30	31.18	58.05	24.3,24.3
40	61.55	62.17	61.36	59.39	56.66	56.77	57.51	58.70	30- 40	39.18	97.23	40.6,40.6
50	52.96	53.67	52.93	51.02	47.92	48.12	48.70	48.85	40- 50	42.53	139.8	58.4,58.4
60	41.18	41.95	41.41	39.84	36.87	37.01	37.24	36.02	50- 60	40.23	180.0	75.2,75.2
70	26.51	27.17	26.95	25.97	23.68	23.66	23.65	23.70	60- 70	31.86	211.9	88.6,88.6
80	10.57	11.03	11.19	10.95	9.792	9.621	9.248	9.672	70- 80	18.58	230.4	96.3,96.3
90	0.4299	0.6036	0.5346	0.7465	0.4803	0.4871	0.3417	0.4003	80- 90	4.907	235.3	98.4,98.4
100	0.2629	0.3549	0.3675	0.4982	0.3207	0.3441	0.3384	0.3597	90-100	0.3630	235.7	98.5,98.5
110	0.3888	0.4414	0.4394	0.5522	0.4431	0.4685	0.4537	0.5000	100-110	0.4420	236.2	98.7,98.7
120	0.5040	0.5261	0.5511	0.5683	0.5692	0.5874	0.5833	0.6367	110-120	0.5149	236.7	98.9,98.9
130	0.6121	0.6252	0.6592	0.6565	0.6880	0.6991	0.7201	0.7843	120-130	0.5609	237.2	99.2,99.2
140	0.7310	0.7387	0.7744	0.7680	0.8033	0.8216	0.8605	0.9317	130-140	0.5763	237.8	99.4,99.4
150	0.8391	0.8505	1.005	0.8957	0.9078	0.9297	0.9759	1.052	140-150	0.5437	238.3	99.6,99.6
160	0.9435	1.0000	1.106	1.000	1.005	1.029	1.077	1.130	150-160	0.4559	238.8	99.8,99.8
170	1.026	1.088	1.185	1.099	1.080	1.097	1.152	1.173	160-170	0.3043	239.1	100,100
180	1.080	1.123	1.196	1.184	1.080	1.123	1.192	1.180	170-180	0.1076	239.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 118.42 lm

%lum = 49.5%

%lamp = 49.5%

Conical surface Flux(130deg): 197.3 lm

%lum = 82.5%

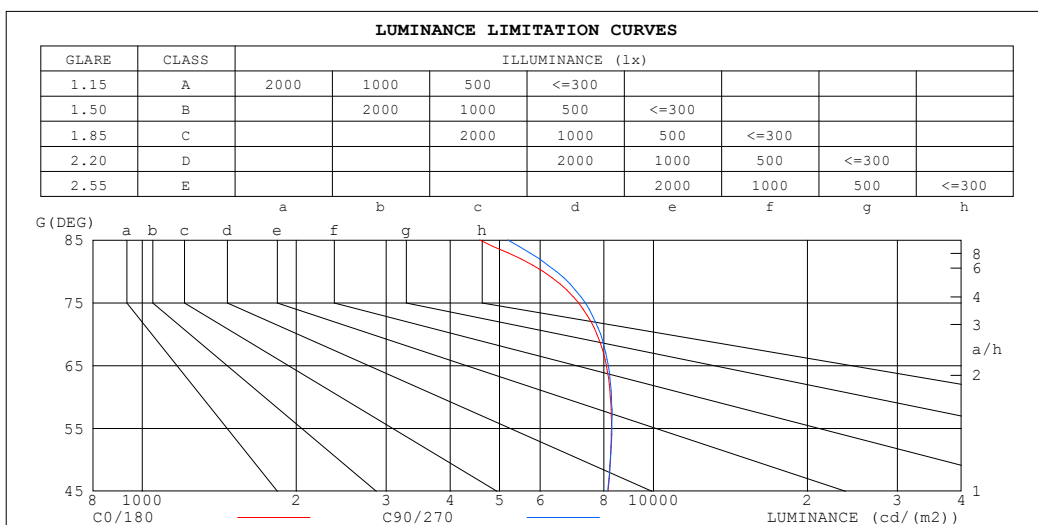
%lamp = 82.5%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	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	4572	5186
80	6083	6446
75	7133	7354
70	7750	7878
65	8088	8156
60	8235	8282
55	8273	8288
50	8237	8233
45	8150	8137

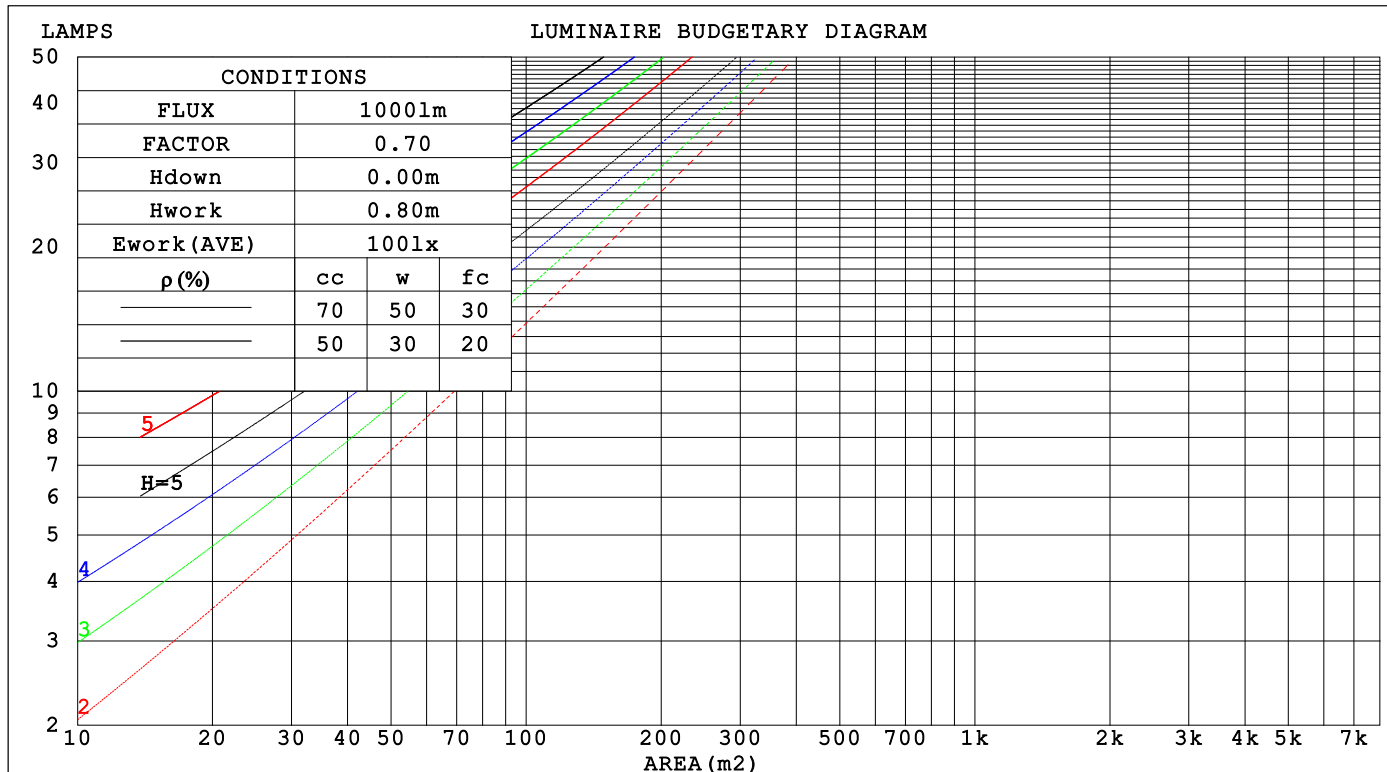
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz		
Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.03	.98	.94	1.00	.96	.93	.96	.93	.89	.92	.89	.86	.88	.86	.84	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.59	.52	.67	.59	.52	.64	.57	.51	.62	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.48	.43	.53	.47	.43	.40
6.0	.55	.45	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.49	.40	.34	.48	.40	.34	.47	.39	.34	.45	.38	.33	.44	.37	.33	.31
8.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.41	.34	.30	.40	.34	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24
10.0	.38	.30	.24	.37	.30	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz		
Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	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	.321	.182	.058	.313	.179	.057	.299	.172	.055	.286	.165	.053	.274	.159	.051		
2.0	.301	.165	.051	.294	.162	.050	.282	.157	.049	.270	.152	.047	.259	.147	.046		
3.0	.278	.148	.044	.272	.146	.044	.261	.141	.043	.250	.137	.042	.241	.133	.041		
4.0	.256	.133	.039	.250	.131	.039	.240	.127	.038	.231	.124	.037	.222	.121	.037		
5.0	.236	.120	.035	.231	.119	.035	.222	.116	.034	.214	.113	.034	.206	.110	.033		
6.0	.218	.109	.031	.214	.108	.031	.206	.106	.031	.199	.103	.030	.192	.101	.030		
7.0	.203	.100	.028	.199	.099	.028	.192	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.189	.092	.026	.186	.091	.026	.179	.090	.026	.173	.088	.025	.167	.086	.025		
9.0	.177	.086	.024	.174	.085	.024	.168	.083	.024	.163	.081	.023	.157	.080	.023		
10.0	.166	.080	.022	.163	.079	.022	.158	.077	.022	.153	.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	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022		
1.0	.193	.168	.146	.166	.145	.126	.113	.099	.087	.065	.058	.051	.021	.019	.016		
2.0	.186	.144	.109	.159	.124	.095	.109	.086	.066	.063	.050	.039	.020	.016	.013		
3.0	.179	.127	.086	.153	.109	.074	.105	.076	.052	.061	.044	.031	.020	.014	.010		
4.0	.171	.114	.070	.147	.098	.061	.101	.069	.043	.058	.040	.025	.019	.013	.008		
5.0	.164	.103	.059	.141	.090	.051	.097	.063	.036	.056	.037	.022	.018	.012	.007		
6.0	.157	.095	.051	.135	.082	.045	.093	.058	.032	.054	.034	.019	.017	.011	.006		
7.0	.150	.088	.045	.129	.077	.040	.089	.054	.028	.052	.032	.017	.017	.010	.006		
8.0	.143	.083	.041	.123	.072	.036	.085	.050	.025	.050	.030	.015	.016	.010	.005		
9.0	.137	.078	.038	.118	.067	.033	.082	.047	.023	.048	.028	.014	.015	.009	.005		
10.0	.131	.073	.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:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm										
NAME: S010060CB3SB7 Mixed					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	25.5	27.1	25.8	27.3	27.5	25.5	27.1	25.8	27.3	27.5
3H	27.2	28.6	27.5	28.9	29.1	27.2	28.6	27.5	28.9	29.2
4H	27.8	29.2	28.2	29.5	29.7	27.9	29.2	28.2	29.5	29.8
6H	28.2	29.5	28.6	29.8	30.1	28.3	29.6	28.7	29.9	30.2
8H	28.3	29.6	28.7	29.9	30.2	28.4	29.7	28.8	30.0	30.3
12H	28.4	29.6	28.8	29.9	30.2	28.5	29.7	28.9	30.0	30.4
4H 2H	26.2	27.6	26.5	27.8	28.1	26.2	27.6	26.5	27.8	28.1
3H	28.0	29.2	28.4	29.5	29.9	28.1	29.2	28.4	29.6	29.9
4H	28.8	29.9	29.2	30.2	30.6	28.8	29.9	29.2	30.3	30.6
6H	29.3	30.3	29.7	30.7	31.1	29.4	30.4	29.8	30.8	31.2
8H	29.5	30.4	29.9	30.8	31.2	29.6	30.5	30.0	30.9	31.3
12H	29.6	30.4	30.0	30.8	31.2	29.7	30.5	30.1	30.9	31.4
8H 4H	29.1	30.0	29.5	30.4	30.8	29.1	30.0	29.6	30.4	30.8
6H	29.7	30.5	30.2	30.9	31.4	29.8	30.6	30.3	31.0	31.5
8H	30.0	30.6	30.5	31.1	31.6	30.1	30.7	30.6	31.2	31.7
12H	30.1	30.7	30.6	31.2	31.7	30.3	30.8	30.8	31.3	31.8
12H 4H	29.1	29.9	29.5	30.3	30.8	29.1	29.9	29.6	30.4	30.8
6H	29.8	30.5	30.3	30.9	31.4	29.9	30.5	30.4	31.0	31.5
8H	30.1	30.6	30.6	31.1	31.6	30.2	30.7	30.7	31.2	31.7
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 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 239.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.0)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:

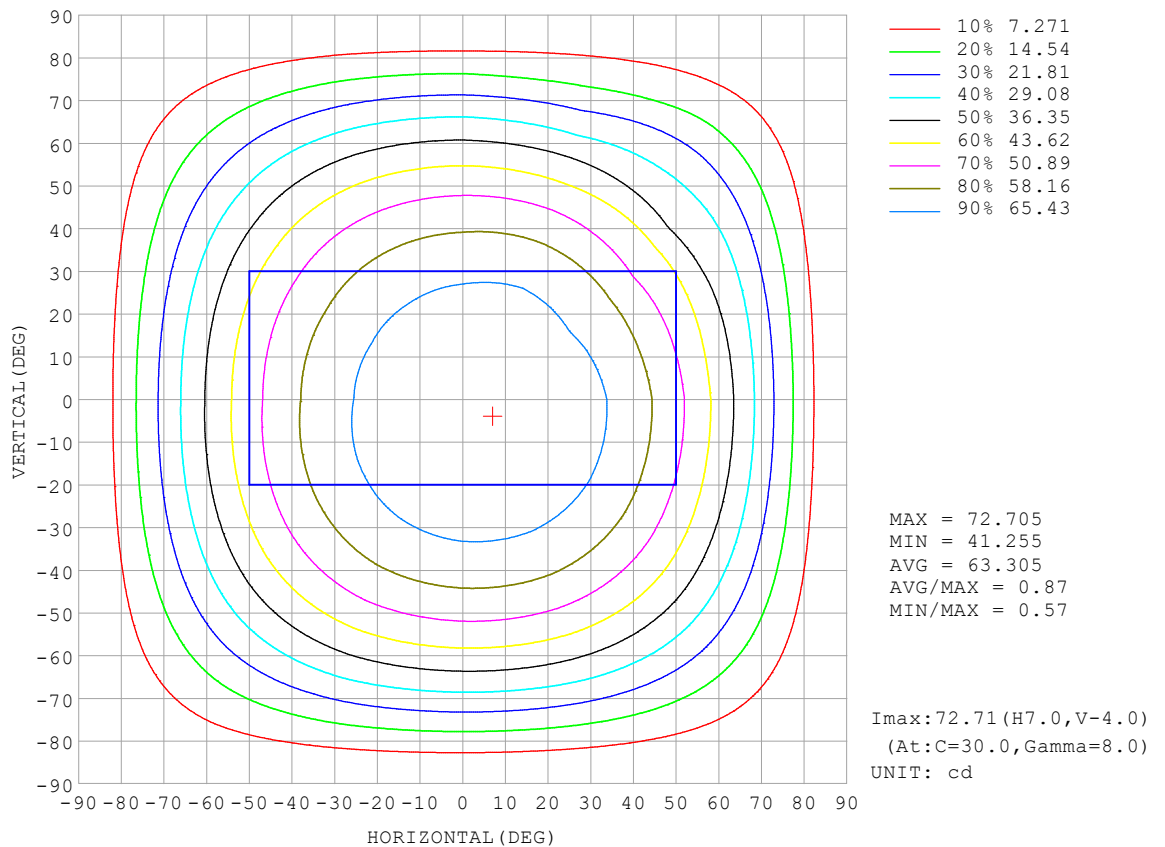
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	43	36	53	42	36	29
0.80	65	53	46	64	53	45	62	52	45	38
1.00	74	62	55	72	62	54	70	63	54	46
1.25	81	70	63	79	69	62	77	68	61	53
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	84	78	91	83	77	88	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	101	97	100	97	93	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: WHL
Test Date: 2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

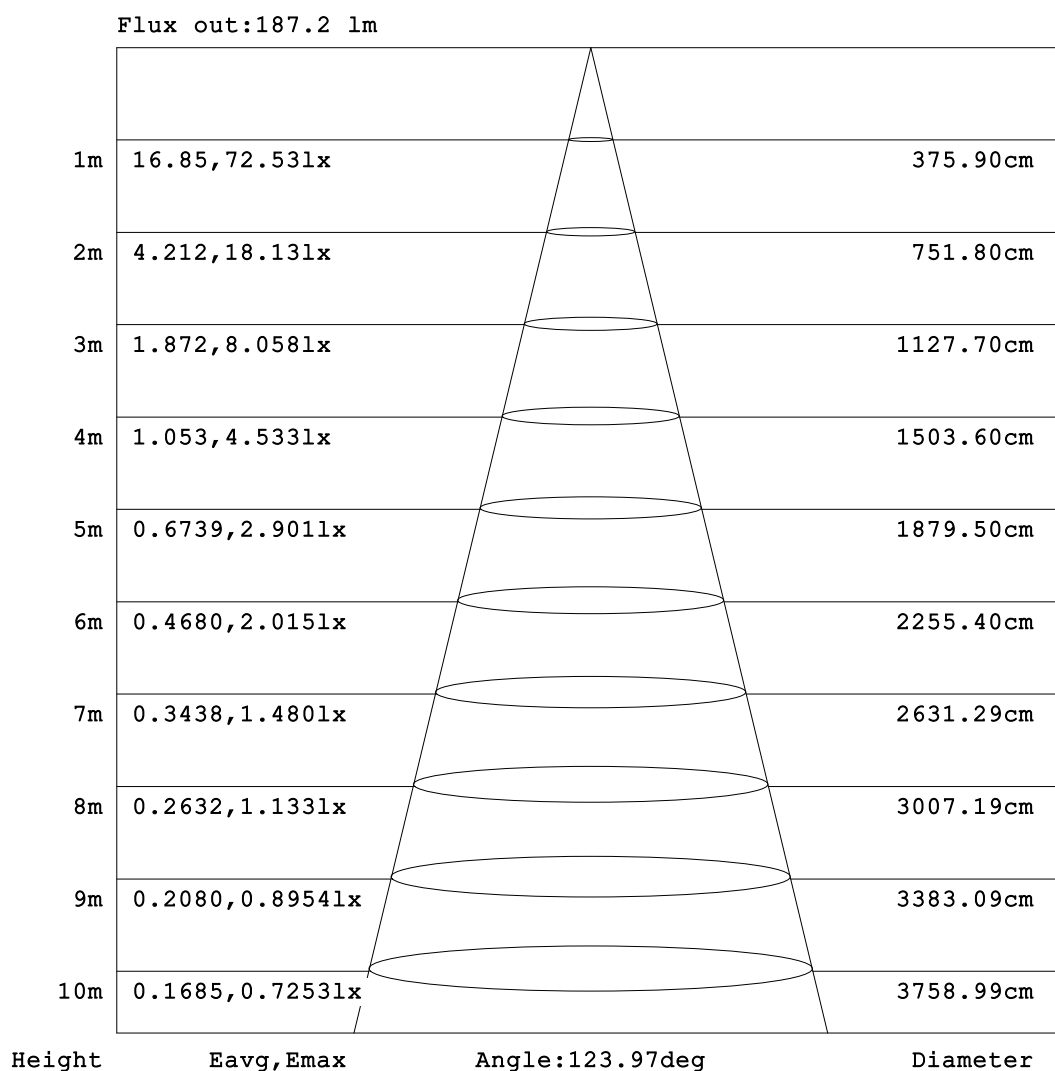


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:



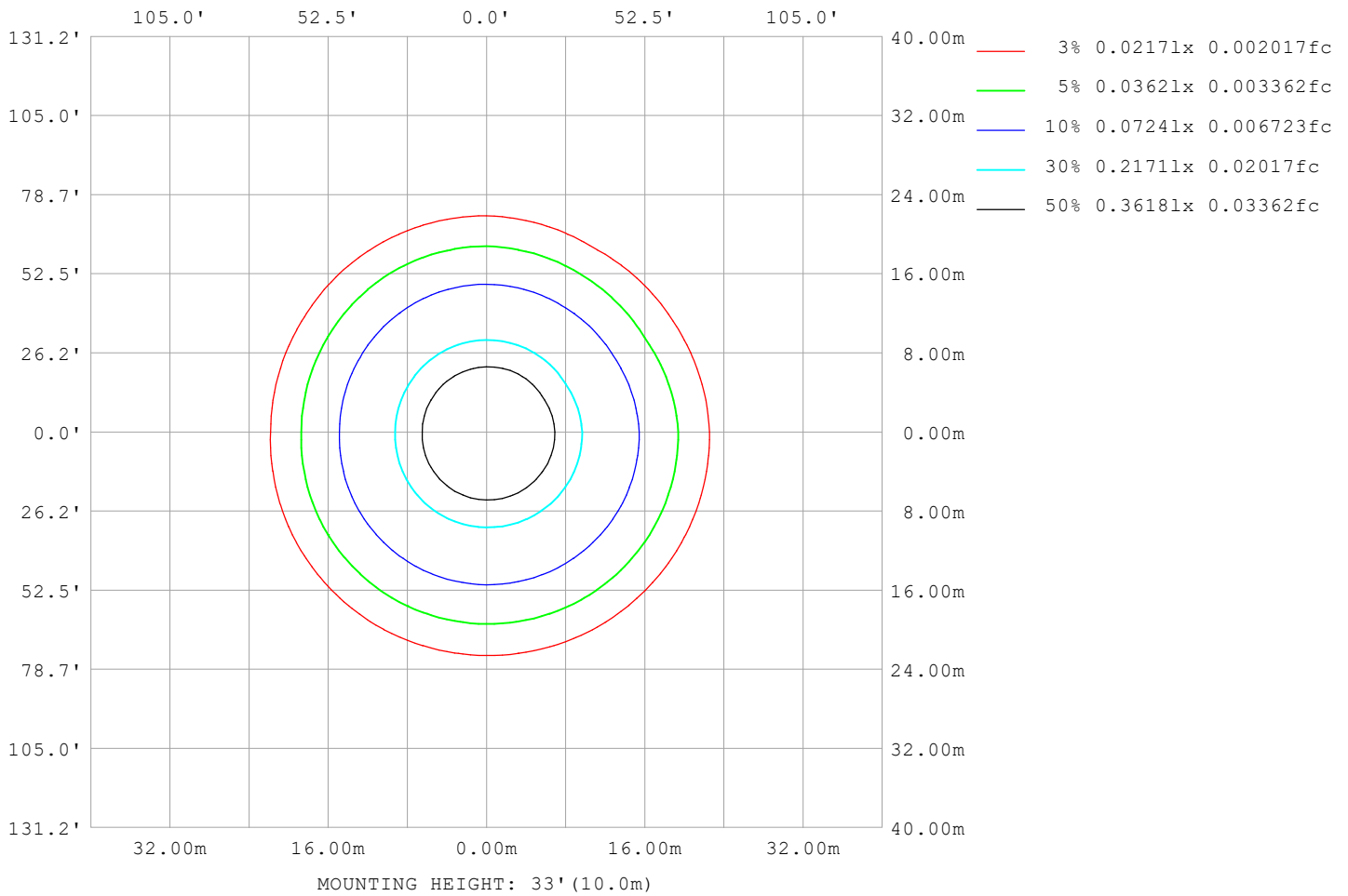
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:

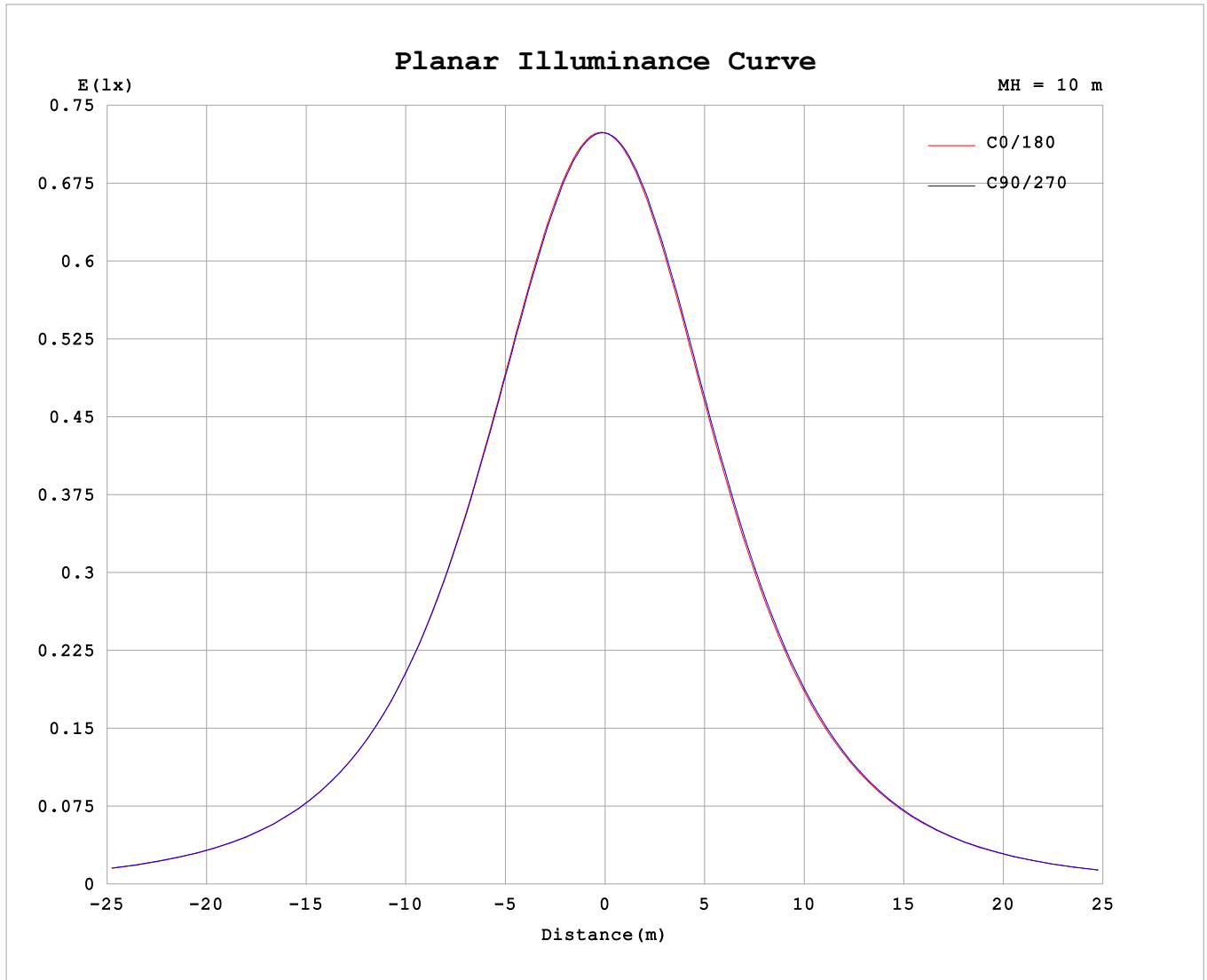
AvgL	cd/m2
L_0~180 (65) av	7654
L_0~180 (75) av	6785
L_0~180 (85) av	4524
L_90~270 (65) av	7708
L_90~270 (75) av	6839
L_90~270 (85) av	4567
L_45 (65) av	7614
L_45 (75) av	6792
L_45 (85) av	4622

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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: WHL
 Test Date: 2025-05-10

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:0.7092A P:8.5097W PF:1.0000 Freq:0Hz Lamp Flux:239.22x1 lm		
NAME: S010060CB3SB7 Mixed	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	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4							
5	72.6	72.7	72.7	72.5	72.2	72.0	71.8	71.7	71.8	71.9	72.2	72.5							
10	72.4	72.7	72.6	72.2	71.7	71.2	70.8	70.7	70.8	71.1	71.6	72.1							
15	71.9	72.1	72.0	71.5	70.9	70.1	69.5	69.3	69.5	69.9	70.7	71.3							
20	70.9	71.2	71.1	70.5	69.7	68.6	67.8	67.5	67.8	68.4	69.3	70.0							
25	69.4	69.8	69.6	69.0	68.0	66.8	65.7	65.4	65.8	66.4	67.4	67.4							
30	67.3	67.8	67.7	67.0	66.0	64.5	63.2	62.9	63.3	63.9	65.1	65.0							
35	64.8	65.4	65.2	64.5	63.4	61.8	60.2	59.9	60.5	61.0	62.2	62.3							
40	61.6	62.2	62.1	61.4	60.3	58.5	56.7	56.5	57.0	57.5	58.6	58.8							
45	57.6	58.3	58.3	57.5	56.5	54.6	52.6	52.4	53.0	53.4	53.7	53.5							
50	53.0	53.7	53.6	52.9	52.0	50.1	47.9	47.8	48.4	48.7	49.0	48.7							
55	47.5	48.2	48.2	47.5	46.7	44.9	42.7	42.6	43.2	43.3	42.9	43.5							
60	41.2	42.0	42.0	41.4	40.7	39.0	36.9	36.7	37.3	37.2	36.5	35.5							
65	34.2	34.9	34.9	34.5	33.9	32.4	30.5	30.3	30.8	30.7	29.2	31.2							
70	26.5	27.1	27.2	26.9	26.5	25.4	23.7	23.5	23.8	23.7	22.2	25.2							
75	18.5	19.0	19.1	19.0	18.8	18.0	16.7	16.4	16.6	16.4	15.5	17.2							
80	10.6	10.9	11.2	11.2	11.1	10.8	9.79	9.61	9.63	9.25	9.47	9.87							
85	3.99	4.23	4.39	4.52	4.52	4.50	3.90	3.80	3.69	3.44	3.38	3.65							
90	0.43	0.56	0.65	0.53	0.70	0.80	0.48	0.50	0.48	0.34	0.36	0.44							
95	0.22	0.29	0.32	0.34	0.37	0.50	0.26	0.26	0.31	0.28	0.30	0.29							
100	0.26	0.34	0.37	0.37	0.43	0.56	0.32	0.31	0.37	0.34	0.36	0.36							
105	0.32	0.39	0.38	0.39	0.44	0.63	0.38	0.37	0.44	0.39	0.42	0.43							
110	0.39	0.45	0.43	0.44	0.44	0.66	0.44	0.44	0.50	0.45	0.49	0.51							
115	0.44	0.50	0.47	0.49	0.46	0.65	0.51	0.50	0.55	0.52	0.57	0.58							
120	0.50	0.55	0.50	0.55	0.52	0.61	0.57	0.56	0.61	0.58	0.63	0.64							
125	0.55	0.62	0.55	0.61	0.58	0.62	0.63	0.62	0.67	0.65	0.70	0.72							
130	0.61	0.64	0.61	0.66	0.64	0.67	0.69	0.67	0.72	0.72	0.77	0.80							
135	0.68	0.69	0.66	0.72	0.69	0.72	0.75	0.74	0.78	0.79	0.84	0.88							
140	0.73	0.75	0.72	0.77	0.76	0.78	0.80	0.79	0.85	0.86	0.91	0.95							
145	0.79	0.81	0.78	0.84	0.82	0.84	0.86	0.84	0.91	0.91	0.97	1.02							
150	0.84	0.87	0.83	1.00	0.89	0.90	0.91	0.89	0.97	0.98	1.04	1.06							
155	0.89	0.92	0.98	1.07	0.95	0.95	0.95	0.94	1.03	1.03	1.09	1.10							
160	0.94	0.97	1.03	1.11	1.01	0.99	1.00	0.99	1.07	1.08	1.14	1.12							
165	0.99	1.01	1.07	1.16	1.07	1.04	1.04	1.03	1.11	1.12	1.18	1.14							
170	1.03	1.07	1.11	1.18	1.12	1.08	1.08	1.06	1.14	1.15	1.20	1.14							
175	1.05	1.10	1.13	1.20	1.16	1.12	1.08	1.08	1.15	1.18	1.21	1.15							
180	1.08	1.10	1.15	1.20	1.20	1.17	1.08	1.10	1.15	1.19	1.21	1.15							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

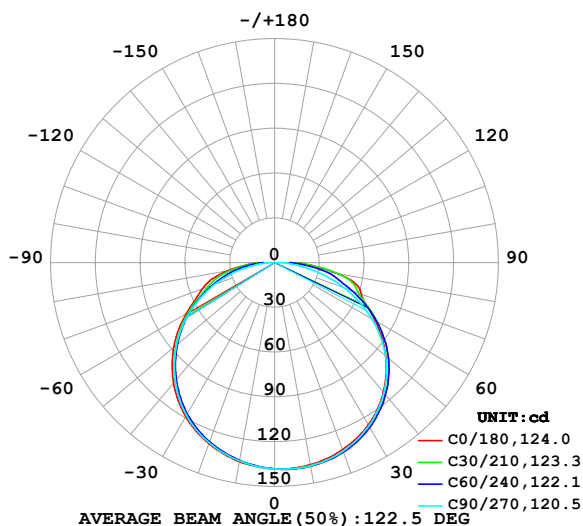
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

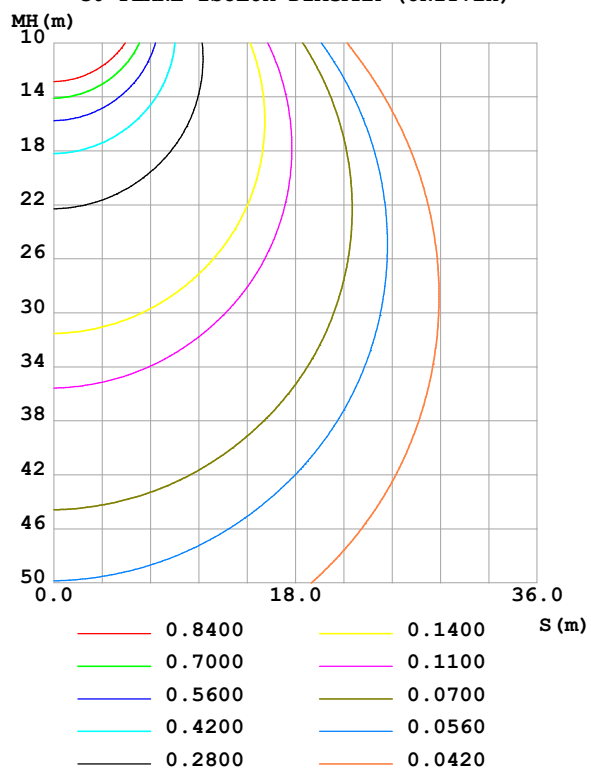
Test:U:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 26.37 lm/W
MODEL	S010096TC3SF Mixed	Imax (cd)	138.8	S/MH(C0/180)	1.35	
NOMINAL POWER(W)	17.5	LOR(%)	100.0	S/MH(C90/270)	1.36	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	461.26	η UP,DN(C0-180)	0.0,48.0	
NOMINAL FLUX(lm)	461.26	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	100.0	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℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
 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	135.4	134.7	134.9	136.1	137.5	138.3	138.2	137.1	0- 10	13.11	13.11	2.84,2.84
20	128.9	127.7	128.4	130.9	133.3	134.9	134.4	132.3	10- 20	37.98	51.09	11.1,11.1
30	119.2	117.3	118.2	122.3	125.5	127.3	126.3	123.5	20- 30	58.78	109.9	23.8,23.8
40	105.4	103.0	103.5	109.5	113.3	115.5	113.9	110.8	30- 40	72.91	182.8	39.6,39.6
50	88.20	85.58	85.76	92.73	97.10	99.47	96.95	93.39	40- 50	78.27	261.1	56.6,56.6
60	68.44	65.95	65.25	73.00	77.80	79.24	75.11	72.62	50- 60	73.98	335.0	72.6,72.6
70	51.70	46.01	42.44	52.42	61.80	57.59	49.74	50.04	60- 70	61.04	396.1	85.9,85.9
80	31.97	27.26	18.70	34.29	43.20	39.12	22.59	29.90	70- 80	44.47	440.5	95.5,95.5
90	10.94	8.962	1.064	10.99	14.14	11.91	0.5664	8.988	80- 90	20.72	461.3	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 221.85 lm

%lum = 48.1%

%lamp = 48.1%

Conical surface Flux(130deg): 367.55 lm

%lum = 79.7%

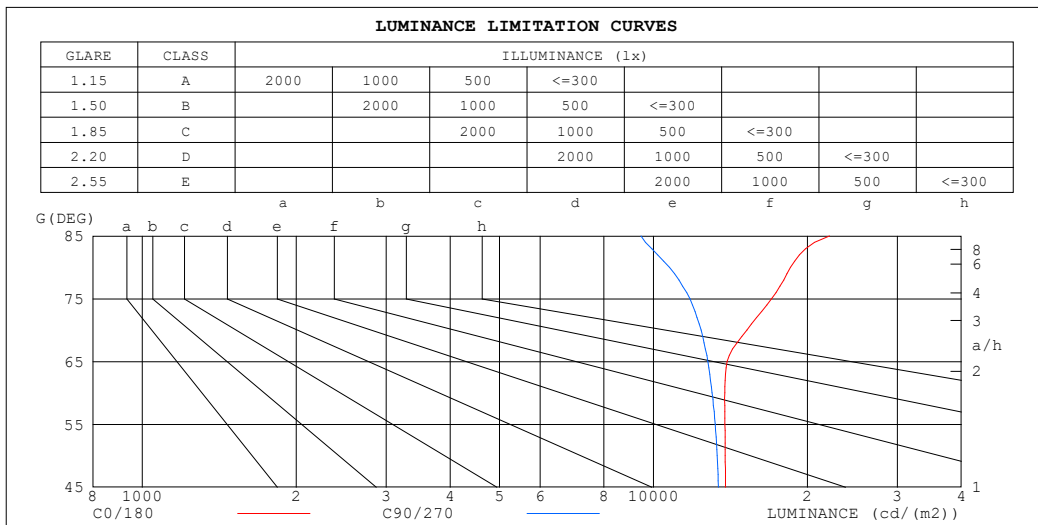
%lamp = 79.7%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2025-09-27

γ Range: 0 - 90DEG
 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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22087	9451
80	18540	10751
75	17035	11784
70	15223	12386
65	13939	12773
60	13785	13026
55	13791	13201
50	13819	13318
45	13836	13404

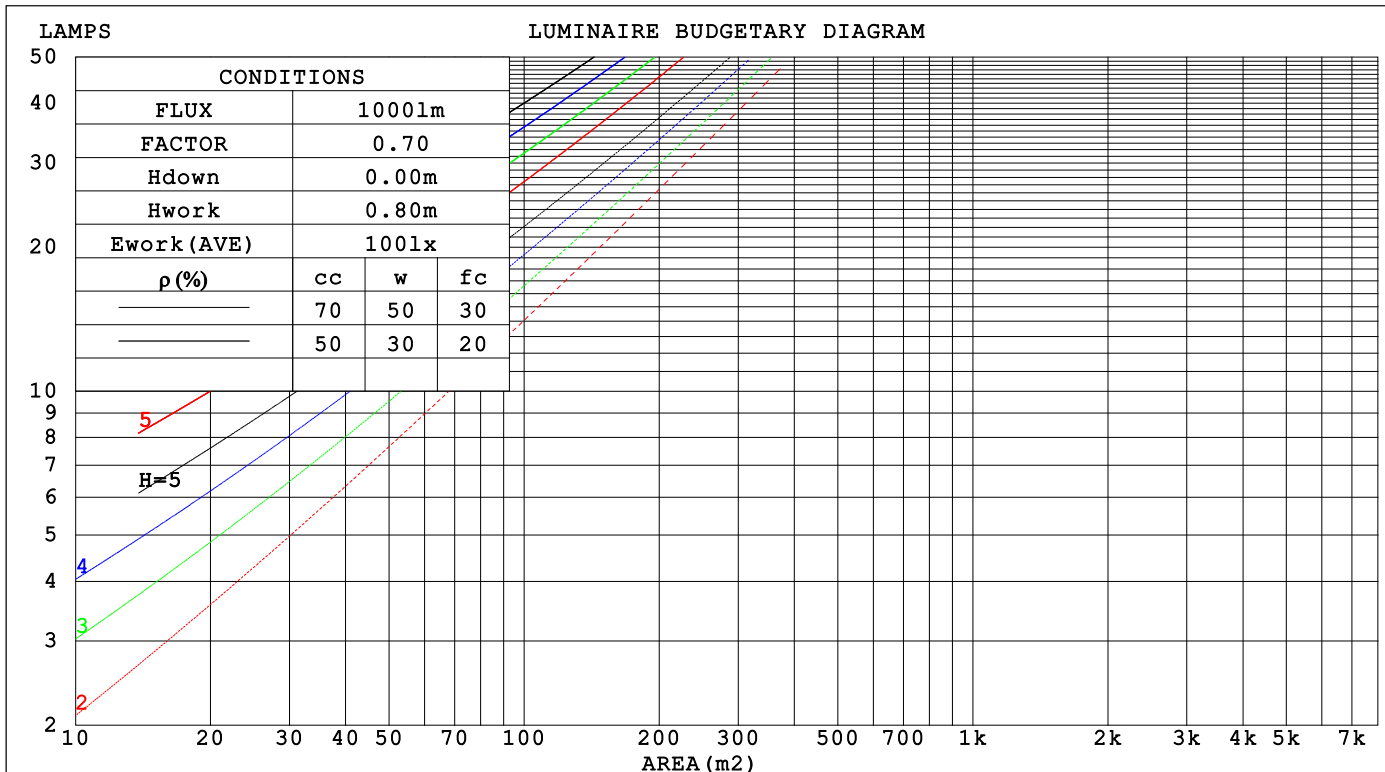
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WHL
Test Date: 2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.02	.97	.92	.99	.95	.91	.95	.91	.88	.91	.88	.85	.87	.85	.83	.80
2.0	.87	.80	.74	.86	.79	.73	.82	.76	.71	.79	.74	.69	.75	.71	.68	.65
3.0	.76	.67	.60	.75	.66	.60	.71	.64	.59	.69	.63	.58	.66	.61	.57	.54
4.0	.67	.58	.51	.66	.57	.50	.63	.55	.49	.61	.54	.49	.59	.53	.48	.46
5.0	.60	.50	.43	.59	.50	.43	.56	.48	.42	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.44	.37	.53	.44	.37	.51	.43	.37	.49	.42	.37	.47	.41	.36	.34
7.0	.48	.39	.33	.48	.39	.33	.46	.38	.32	.45	.37	.32	.43	.37	.32	.30
8.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.27
9.0	.40	.32	.26	.40	.32	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.24
10.0	.37	.29	.24	.37	.29	.24	.36	.28	.23	.35	.28	.23	.34	.28	.23	.21



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz		
Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	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	.354	.201	.064	.347	.198	.063	.333	.191	.061	.321	.185	.059	.309	.179	.058		
2.0	.320	.176	.054	.314	.173	.053	.302	.168	.052	.291	.163	.051	.281	.159	.050		
3.0	.290	.155	.046	.285	.153	.046	.274	.149	.045	.264	.145	.044	.255	.141	.044		
4.0	.264	.137	.040	.259	.136	.040	.250	.133	.040	.241	.130	.039	.233	.127	.039		
5.0	.242	.123	.036	.238	.122	.036	.229	.119	.035	.222	.117	.035	.214	.115	.034		
6.0	.223	.112	.032	.219	.111	.032	.212	.108	.032	.205	.106	.031	.198	.104	.031		
7.0	.206	.102	.029	.203	.101	.029	.196	.099	.029	.190	.097	.028	.184	.096	.028		
8.0	.192	.094	.026	.189	.093	.026	.183	.091	.026	.177	.090	.026	.172	.088	.026		
9.0	.179	.087	.024	.176	.086	.024	.171	.085	.024	.166	.083	.024	.161	.082	.024		
10.0	.168	.081	.022	.166	.080	.022	.161	.079	.022	.156	.078	.022	.152	.076	.022		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.183	.156	.131	.157	.134	.113	.107	.092	.078	.062	.053	.045	.020	.017	.015		
2.0	.176	.132	.095	.151	.113	.082	.103	.078	.057	.060	.046	.033	.019	.015	.011		
3.0	.168	.114	.071	.144	.099	.062	.099	.069	.043	.057	.040	.026	.018	.013	.008		
4.0	.161	.101	.056	.138	.088	.049	.095	.061	.034	.055	.036	.020	.018	.012	.007		
5.0	.153	.091	.045	.131	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.005		
6.0	.145	.083	.038	.125	.072	.033	.086	.050	.023	.050	.030	.014	.016	.010	.005		
7.0	.138	.076	.032	.119	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004		
8.0	.132	.070	.028	.113	.061	.024	.078	.043	.017	.046	.025	.010	.015	.008	.003		
9.0	.125	.065	.025	.108	.057	.021	.075	.040	.015	.044	.023	.009	.014	.008	.003		
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.042	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm										
NAME: S010096TC3SF Mixed					TYPE: LED			WEIGHT:		
SPEC.: 1000×10MM					DIM.: 1000×10MM			SERIAL No.: 10105-0932-00		
MFR.: iPixel LED					SUR.: 0.01			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	24.4	26.0	24.7	26.2	26.4	24.2	25.8	24.5	26.0	26.2
3H	26.4	27.9	26.7	28.1	28.4	25.9	27.4	26.2	27.6	27.8
4H	27.5	28.9	27.8	29.1	29.4	26.6	28.0	26.9	28.3	28.5
6H	28.4	29.8	28.8	30.1	30.3	27.1	28.5	27.5	28.7	29.0
8H	28.8	30.1	29.2	30.4	30.7	27.3	28.6	27.6	28.9	29.2
12H	29.2	30.5	29.6	30.8	31.1	27.4	28.7	27.8	28.9	29.3
4H 2H	25.0	26.5	25.4	26.7	27.0	24.9	26.3	25.2	26.6	26.8
3H	27.2	28.5	27.6	28.8	29.1	26.8	28.0	27.1	28.3	28.6
4H	28.5	29.6	28.9	30.0	30.3	27.6	28.8	28.0	29.1	29.5
6H	29.6	30.7	30.0	31.0	31.4	28.4	29.4	28.8	29.7	30.1
8H	30.1	31.1	30.6	31.5	31.9	28.6	29.6	29.0	29.9	30.3
12H	30.6	31.5	31.0	31.9	32.3	28.8	29.7	29.2	30.1	30.5
8H 4H	28.8	29.8	29.3	30.2	30.6	28.1	29.1	28.5	29.5	29.9
6H	30.2	31.0	30.7	31.5	31.9	29.1	29.9	29.5	30.3	30.7
8H	30.9	31.6	31.3	32.0	32.5	29.5	30.2	29.9	30.6	31.1
12H	31.5	32.1	32.0	32.6	33.0	29.8	30.4	30.2	30.8	31.3
12H 4H	28.9	29.8	29.3	30.2	30.6	28.2	29.1	28.6	29.5	29.9
6H	30.3	31.1	30.8	31.5	31.9	29.3	30.0	29.7	30.4	30.9
8H	31.0	31.7	31.5	32.1	32.6	29.7	30.4	30.2	30.8	31.3
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 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 461.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

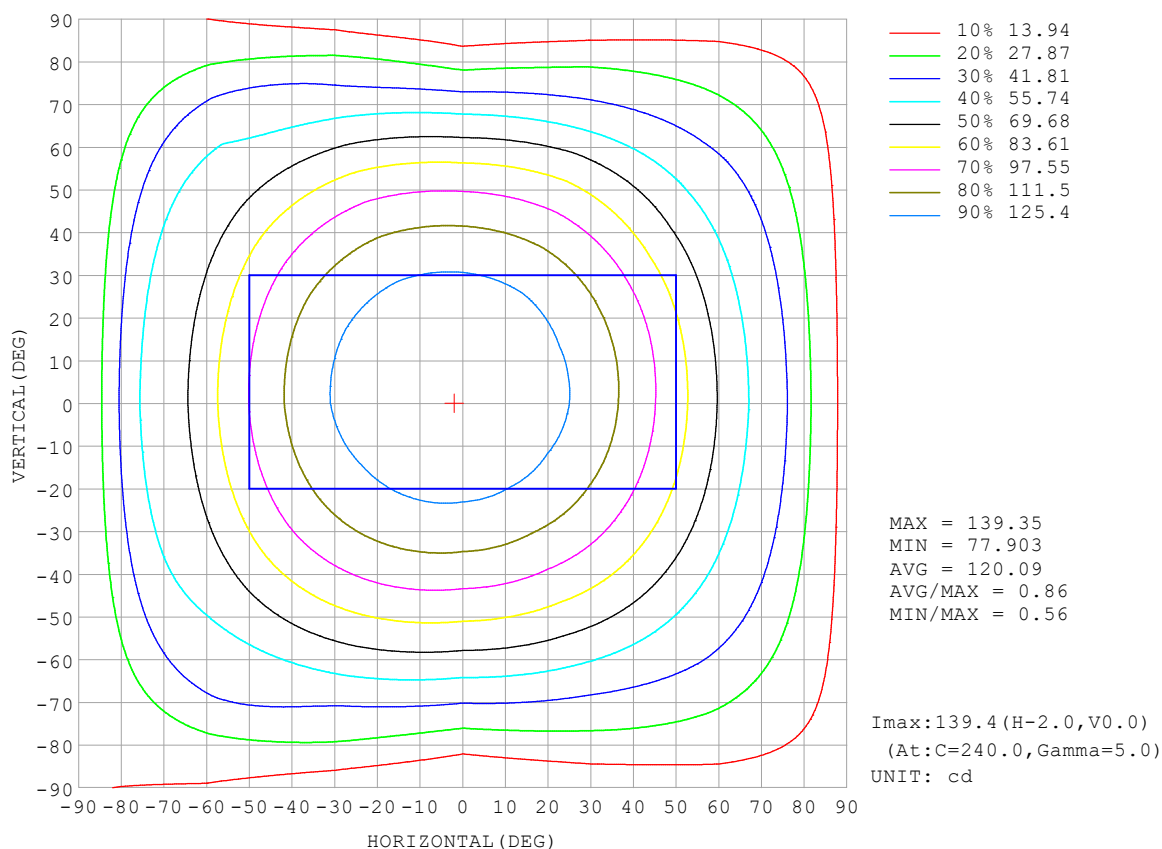
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	43	35	53	42	35	29
0.80	65	52	45	64	52	44	62	51	44	37
1.00	73	61	53	72	60	53	69	62	52	45
1.25	80	69	61	78	68	61	76	66	60	52
1.50	85	74	67	83	73	66	80	72	65	57
2.00	92	83	76	90	82	75	87	79	73	65
2.50	96	88	81	94	86	80	90	84	78	69
3.00	100	92	86	98	91	85	93	88	83	74
4.00	104	98	92	102	96	91	97	93	88	79
5.00	107	101	97	104	99	95	100	96	92	82
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: WHL
Test Date: 2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

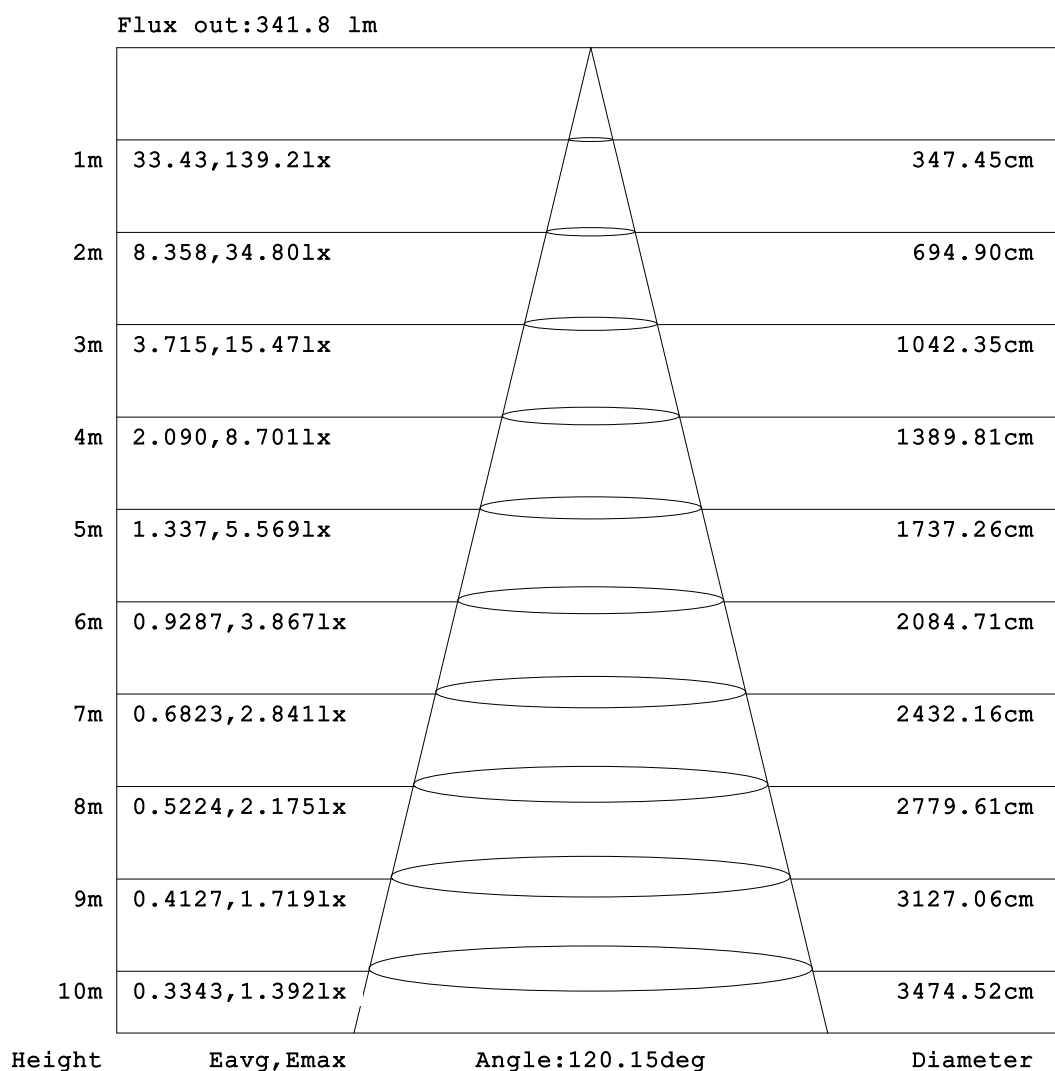


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



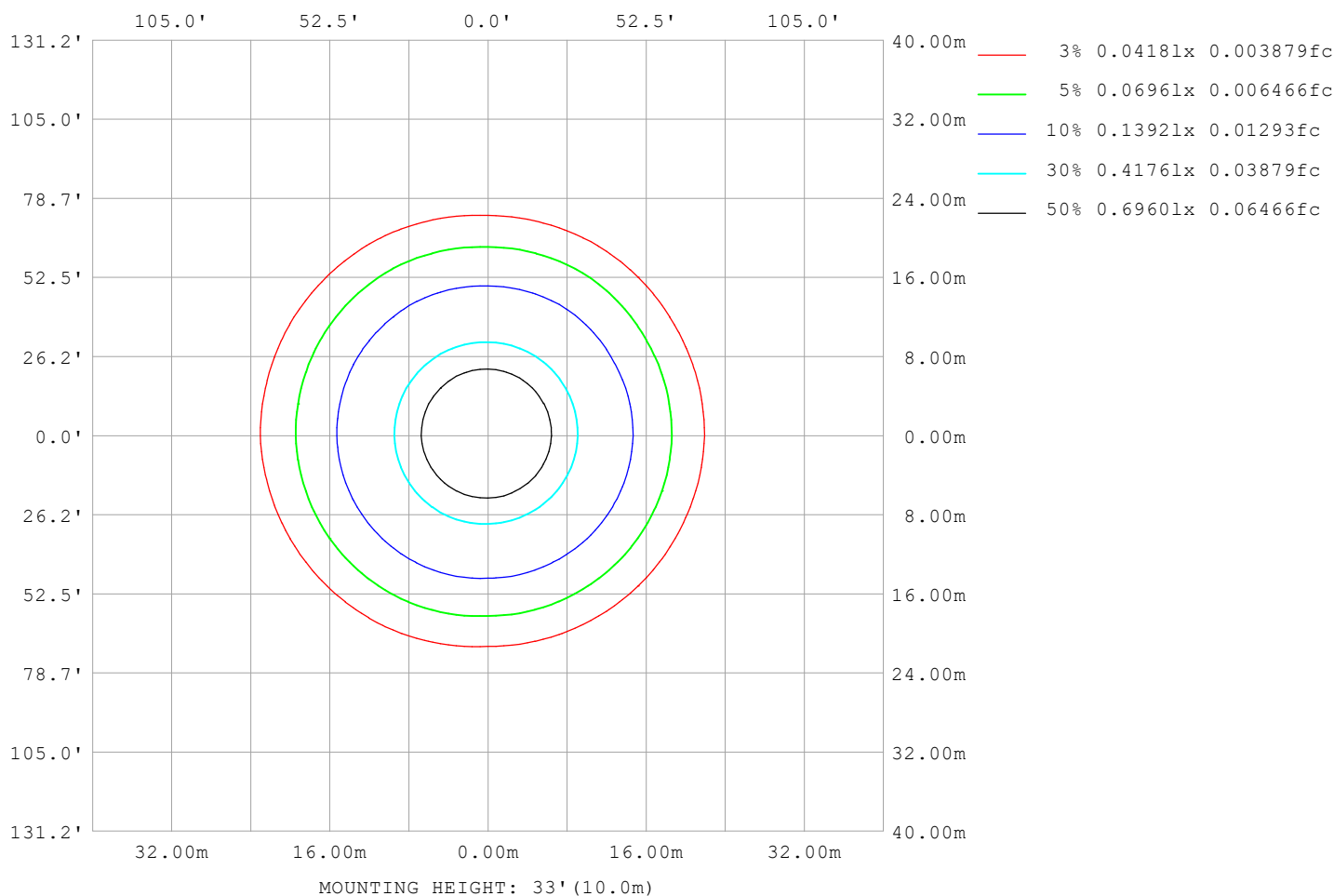
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

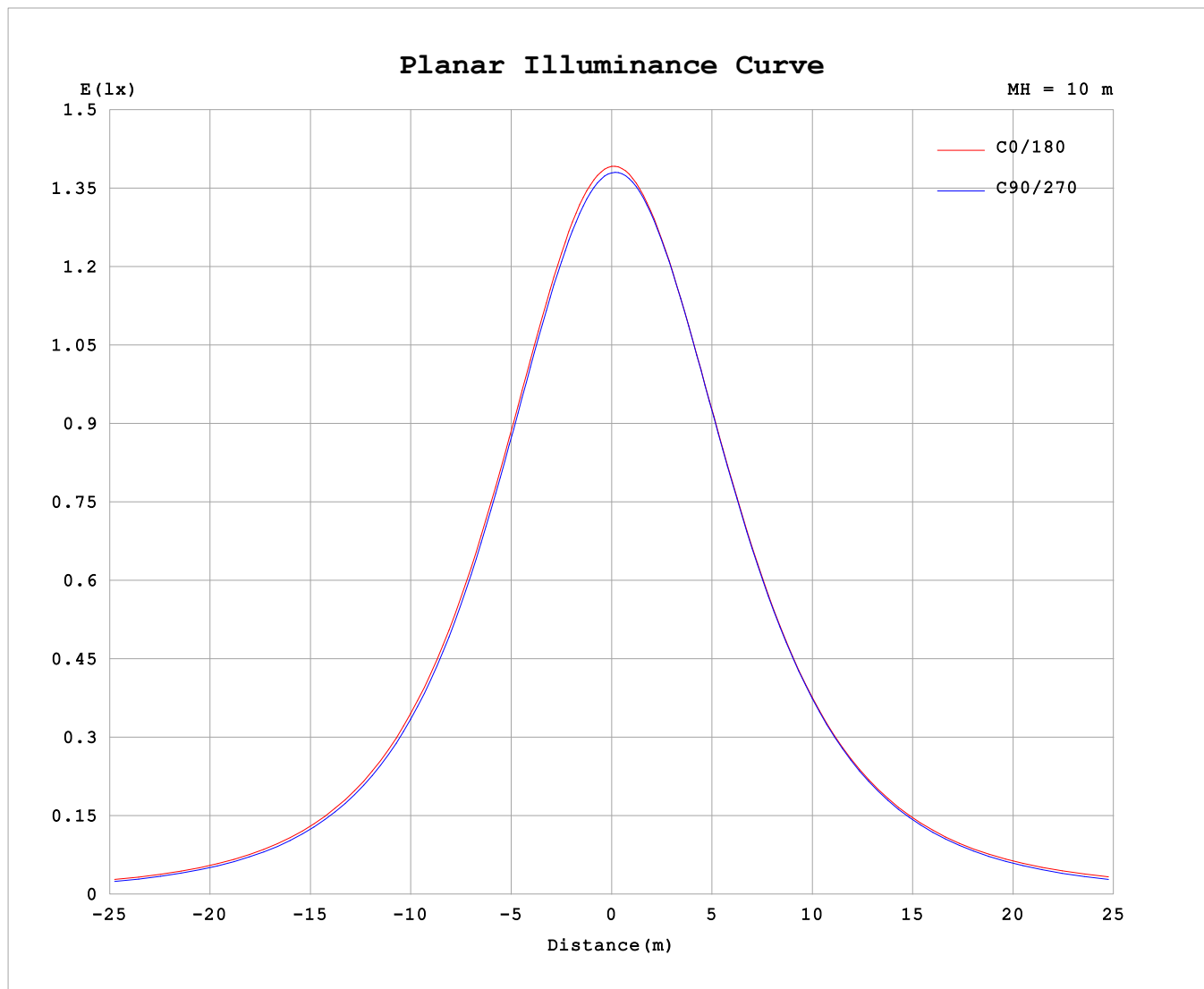
AvgL	cd/m2
L_0~180 (65) av	14971
L_0~180 (75) av	19408
L_0~180 (85) av	26061
L_90~270 (65) av	13826
L_90~270 (75) av	12889
L_90~270 (85) av	11144
L_45 (65) av	14652
L_45 (75) av	16593
L_45 (85) av	22559

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-09-27

γ Range: 0 - 90DEG
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: WHL
Test Date: 2025-09-27

γ Range: 0 - 90DEG
 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:

Test:U:23.996V I:0.7290A P:17.493W PF:1.0000 Freq:0Hz Lamp Flux:461.26x1 lm		
NAME: S010096TC3SF Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10105-0932-00
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

UNIT: cd

[illegible]

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γ Range: 0 - 90DEG
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:

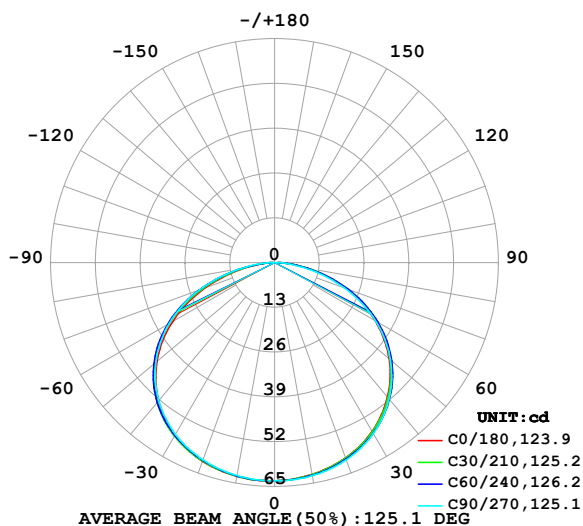
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LUMINAIRE PHOTOMETRIC TEST REPORT

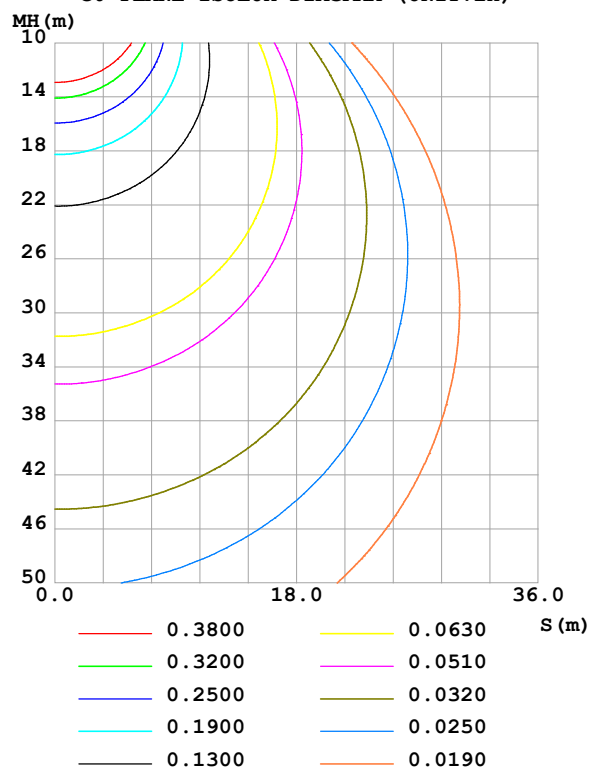
Test:U:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000×10mm	DIM.: 1000×10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1×0.01	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 24.69 lm/W
MODEL	S010060CB3SD2 Mixed	I _{max} (cd)	63.43	S/MH(C0/180)	1.33	
NOMINAL POWER(W)	8.5	LOR(%)	100.0	S/MH(C90/270)	1.34	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	208.60	η UP,DN(C0-180)	0.0,50.5	
NOMINAL FLUX(lm)	208.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.5	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	12	η down (%)	100.0	CIBSE SHR MAX	1.55	

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:WHL
Test Date:2026-07-14

γ Range: 0 - 90DEG
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	63.00	62.95	62.79	62.66	62.44	62.57	62.79	62.99	0- 10	6.021	6.021	2.89,2.89
20	61.37	61.21	60.92	60.78	60.29	60.51	60.90	61.24	10- 20	17.54	23.56	11.3,11.3
30	57.90	58.10	57.63	57.49	56.62	57.00	57.35	57.90	20- 30	27.43	50.99	24.4,24.4
40	52.35	53.01	52.31	52.41	50.99	51.55	51.68	52.53	30- 40	34.50	85.49	41,41
50	44.57	45.60	45.01	45.26	43.40	44.11	43.89	44.76	40- 50	37.59	123.1	59,59
60	34.20	35.52	35.35	35.78	33.70	34.49	33.85	34.40	50- 60	35.75	158.8	76.1,76.1
70	21.40	22.82	23.15	23.94	22.21	22.72	21.57	21.64	60- 70	28.55	187.4	89.8,89.8
80	7.982	8.933	9.709	10.80	9.757	9.784	8.519	8.115	70- 80	16.73	204.1	97.8,97.8
90	0.3955	0.4357	0.3098	1.261	0.9961	0.8461	0.2162	0.4035	80- 90	4.506	208.6	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 104.18 lm

%lum = 49.9%

%lamp = 49.9%

Conical surface Flux(130deg): 174.32 lm

%lum = 83.6%

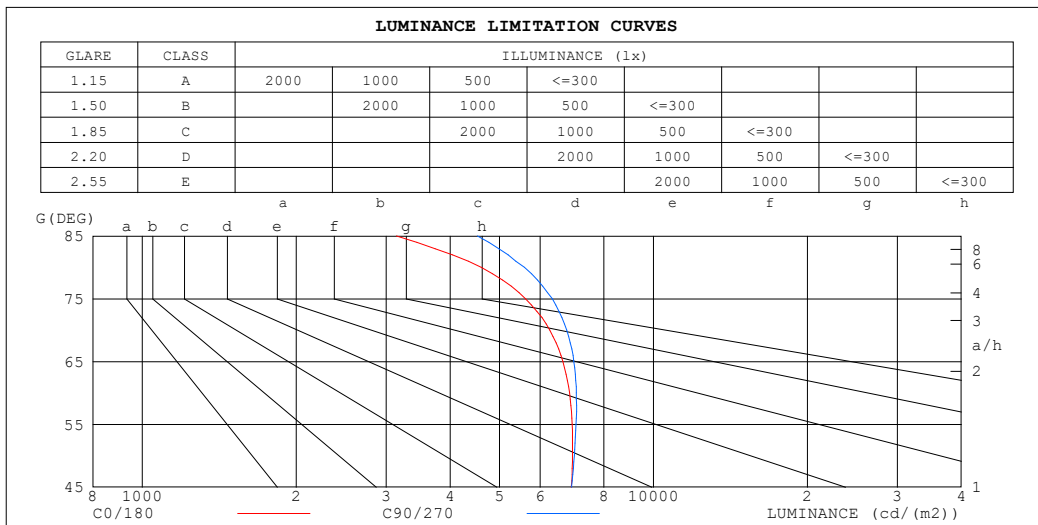
%lamp = 83.6%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2026-07-14

γ Range: 0 - 90DEG
 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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000×10mm	DIM.: 1000×10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1×0.01	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3140	4526
80	4603	5588
75	5620	6339
70	6265	6765
65	6648	6985
60	6849	7066
55	6937	7055
50	6943	6998
45	6907	6915

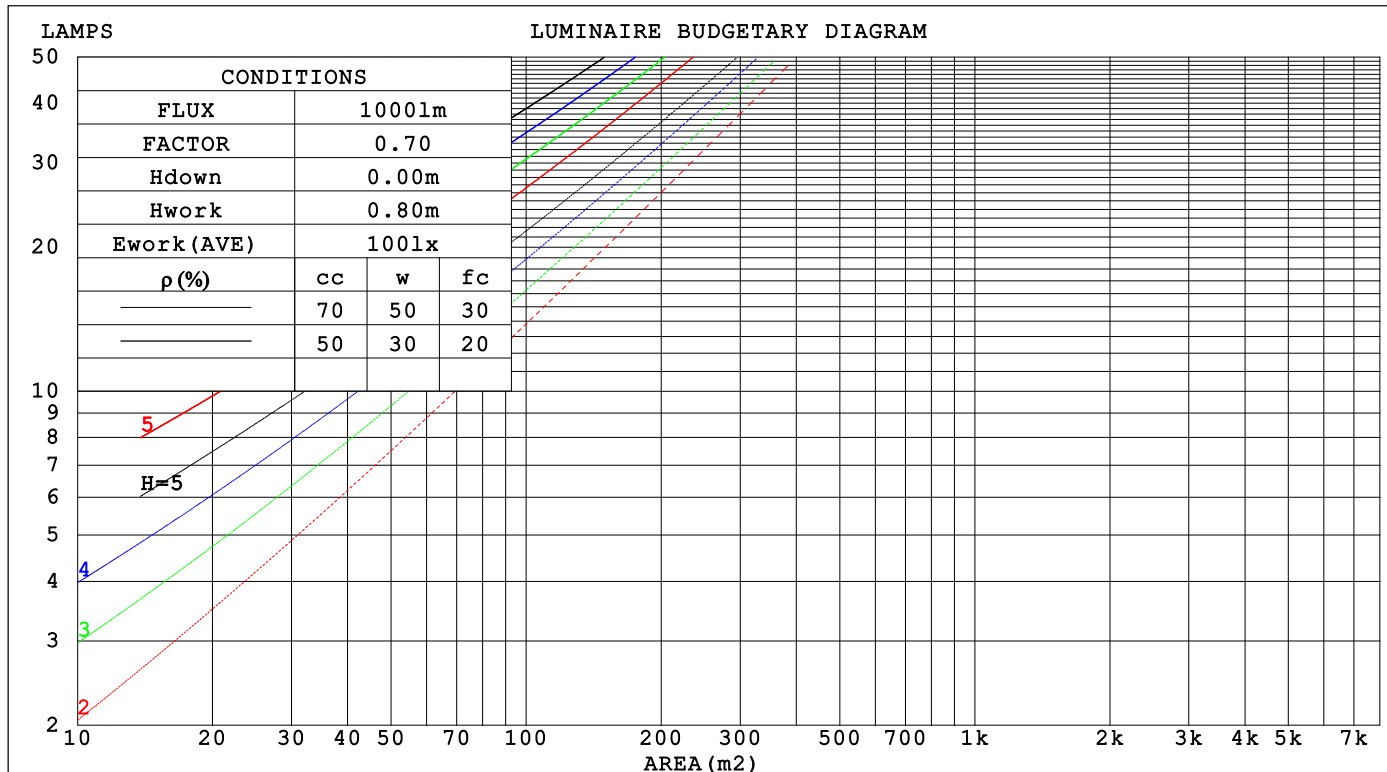
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz		
Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000x10mm	DIM.: 1000x10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1x0.01	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	1.02	1.02	1.02	1.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83
2.0	.89	.82	.76	.87	.81	.75	.84	.78	.73	.80	.76	.72	.77	.73	.70	.68
3.0	.78	.69	.62	.76	.68	.62	.73	.66	.61	.70	.65	.60	.68	.63	.59	.56
4.0	.69	.59	.52	.67	.59	.52	.65	.57	.51	.62	.56	.51	.60	.54	.50	.48
5.0	.61	.52	.45	.60	.51	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.41
6.0	.55	.45	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.49	.40	.34	.49	.40	.34	.47	.39	.34	.45	.39	.33	.44	.38	.33	.31
8.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.42	.35	.30	.40	.34	.29	.27
9.0	.41	.33	.27	.41	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25
10.0	.38	.30	.24	.37	.30	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz		
Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000x10mm	DIM.: 1000x10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1x0.01	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	.324	.184	.058	.317	.181	.057	.303	.174	.056	.291	.168	.054	.280	.162	.052		
2.0	.304	.166	.051	.297	.164	.050	.285	.159	.049	.275	.154	.048	.265	.150	.047		
3.0	.280	.149	.045	.274	.147	.044	.264	.143	.043	.254	.139	.043	.245	.136	.042		
4.0	.257	.134	.039	.253	.132	.039	.243	.129	.039	.235	.126	.038	.227	.123	.037		
5.0	.237	.121	.035	.233	.120	.035	.225	.117	.034	.217	.114	.034	.210	.112	.034		
6.0	.220	.110	.031	.216	.109	.031	.208	.107	.031	.201	.105	.031	.195	.103	.030		
7.0	.204	.101	.029	.200	.100	.028	.194	.098	.028	.188	.096	.028	.182	.094	.028		
8.0	.190	.093	.026	.187	.092	.026	.181	.090	.026	.176	.089	.026	.170	.087	.025		
9.0	.178	.086	.024	.175	.085	.024	.170	.084	.024	.165	.083	.024	.160	.081	.023		
10.0	.167	.080	.022	.164	.079	.022	.160	.078	.022	.155	.077	.022	.151	.076	.022		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.181	.156	.133	.155	.134	.115	.106	.092	.079	.061	.053	.046	.020	.017	.015		
2.0	.174	.132	.097	.149	.114	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011		
3.0	.166	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009		
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007		
5.0	.151	.091	.046	.130	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.006		
6.0	.144	.083	.038	.124	.071	.033	.086	.050	.024	.050	.029	.014	.016	.010	.005		
7.0	.137	.076	.033	.118	.066	.028	.082	.046	.020	.047	.027	.012	.015	.009	.004		
8.0	.131	.070	.028	.113	.061	.025	.078	.043	.017	.045	.025	.010	.015	.008	.003		
9.0	.125	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003		
10.0	.119	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm										
NAME: S010060CB3SD2 Mixed					TYPE:			WEIGHT:		
SPEC.: 1000x10mm					DIM.: 1000x10mm			SERIAL No.: 10104-1609-00		
MFR.: iPixel LED					SUR.: 1x0.01			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	25.3	26.9	25.6	27.1	27.3	25.4	27.0	25.7	27.2	27.4
3H	26.9	28.3	27.2	28.6	28.8	27.1	28.6	27.4	28.8	29.0
4H	27.5	28.8	27.8	29.1	29.4	27.8	29.2	28.1	29.4	29.7
6H	27.8	29.1	28.2	29.4	29.7	28.2	29.5	28.6	29.8	30.1
8H	27.9	29.2	28.3	29.5	29.8	28.4	29.6	28.7	29.9	30.2
12H	27.9	29.1	28.3	29.4	29.8	28.4	29.7	28.8	30.0	30.3
4H 2H	26.0	27.4	26.3	27.6	27.9	26.1	27.5	26.4	27.7	28.0
3H	27.7	29.0	28.1	29.3	29.6	28.0	29.2	28.3	29.5	29.8
4H	28.4	29.6	28.8	29.9	30.2	28.7	29.9	29.1	30.2	30.5
6H	28.9	29.9	29.3	30.3	30.6	29.3	30.3	29.7	30.7	31.0
8H	29.0	30.0	29.5	30.3	30.7	29.5	30.4	29.9	30.8	31.2
12H	29.1	29.9	29.5	30.3	30.7	29.6	30.5	30.0	30.8	31.3
8H 4H	28.7	29.7	29.2	30.0	30.4	29.0	29.9	29.4	30.3	30.7
6H	29.3	30.1	29.8	30.5	30.9	29.7	30.5	30.2	30.9	31.3
8H	29.5	30.2	30.0	30.6	31.1	30.0	30.7	30.4	31.1	31.5
12H	29.6	30.2	30.1	30.7	31.2	30.2	30.7	30.6	31.2	31.7
12H 4H	28.8	29.6	29.2	30.0	30.4	29.0	29.9	29.4	30.2	30.6
6H	29.4	30.1	29.9	30.5	31.0	29.8	30.4	30.2	30.9	31.3
8H	29.6	30.2	30.1	30.7	31.1	30.1	30.6	30.5	31.1	31.6
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 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 208.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.4)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000x10mm	DIM.: 1000x10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1x0.01	Shielding Angle:

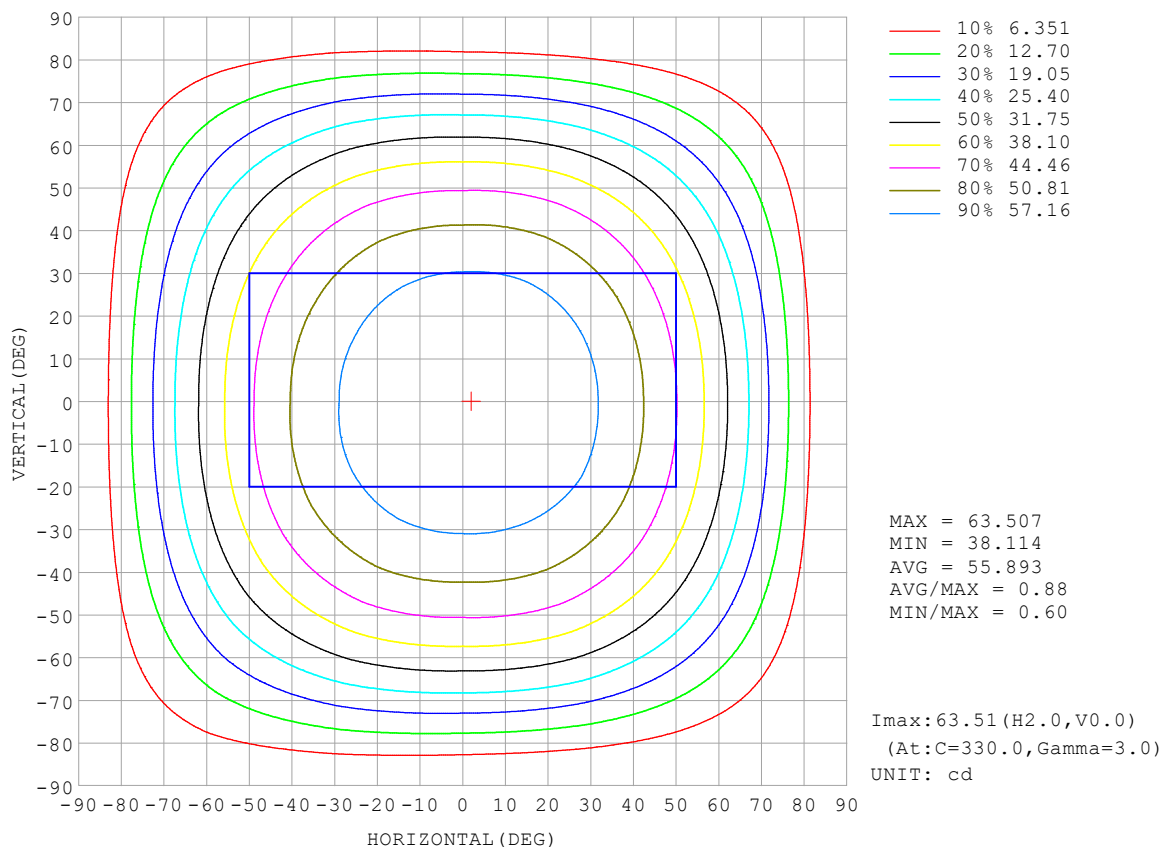
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	55	43	36	53	43	36	29
0.80	66	53	46	64	53	46	63	52	45	38
1.00	74	62	55	73	62	55	71	63	54	47
1.25	81	70	63	80	70	62	77	68	62	54
1.50	86	76	69	85	75	68	82	73	67	59
2.00	94	85	78	92	83	77	88	81	76	68
2.50	98	90	83	96	88	82	92	86	81	72
3.00	101	94	88	99	93	87	95	90	85	76
4.00	106	100	95	103	98	93	99	94	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: 25.3 °C
Operators: WHL
Test Date: 2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000×10mm	DIM.: 1000×10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1×0.01	Shielding Angle:

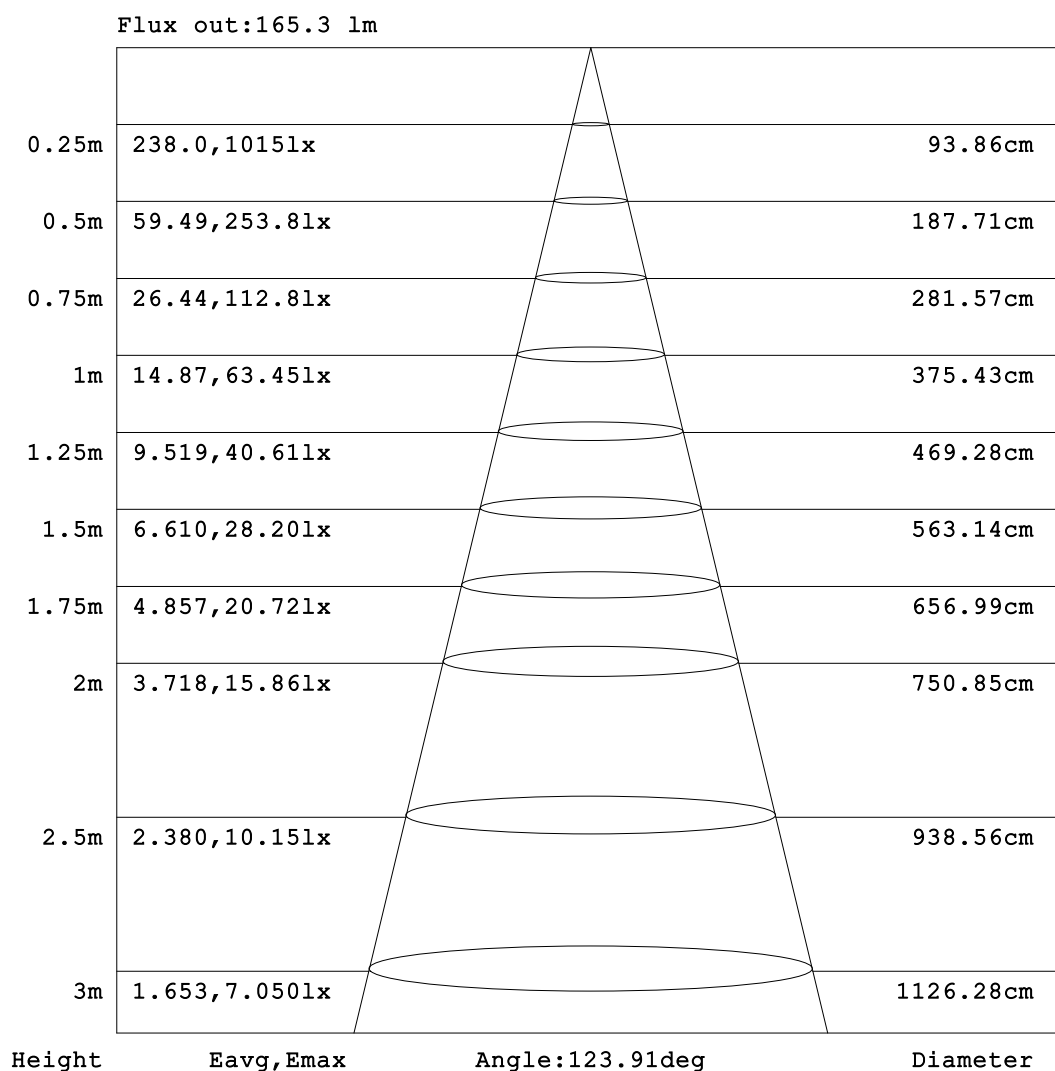


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WHL
Test Date: 2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000×10mm	DIM.: 1000×10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1×0.01	Shielding Angle:



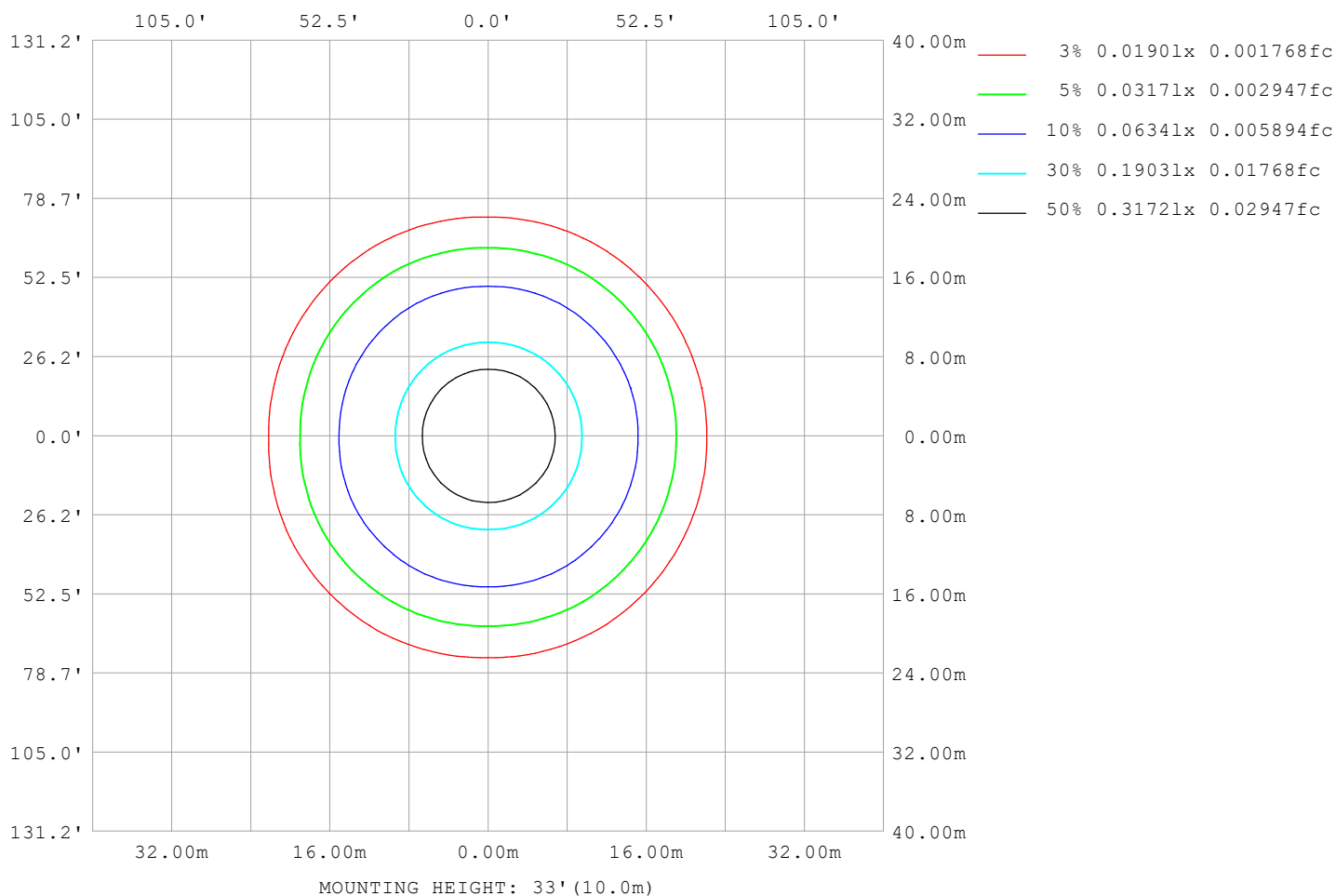
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2026-07-14

γ Range: 0 - 90DEG
 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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000×10mm	DIM.: 1000×10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1×0.01	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2026-07-14

γ Range: 0 - 90DEG
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:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000×10mm	DIM.: 1000×10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1×0.01	Shielding Angle:

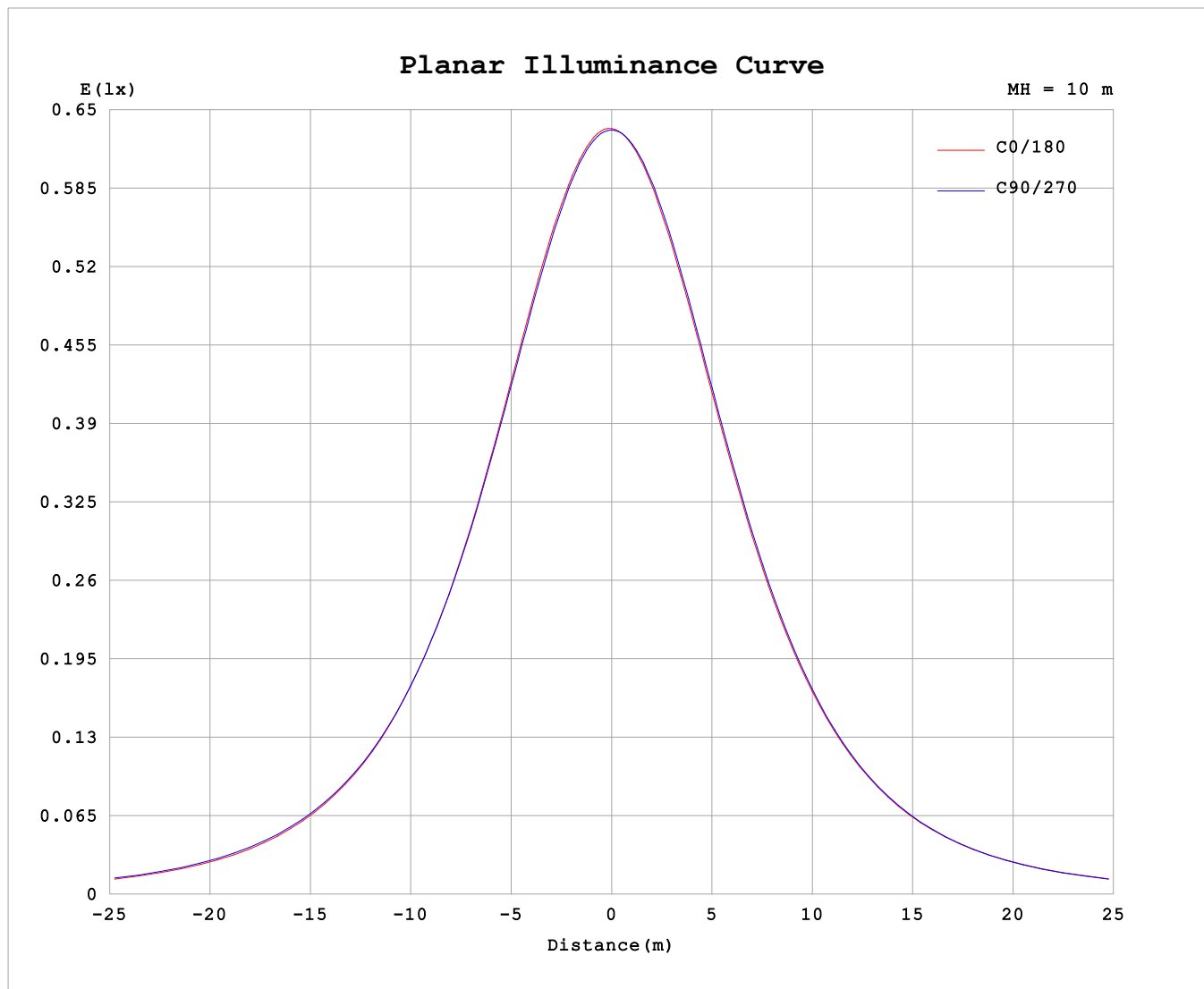
AvgL	cd/m2
L_0~180 (65) av	6655
L_0~180 (75) av	5889
L_0~180 (85) av	4057
L_90~270 (65) av	6802
L_90~270 (75) av	6057
L_90~270 (85) av	4071
L_45 (65) av	6926
L_45 (75) av	6224
L_45 (85) av	4389

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2026-07-14

γ Range: 0 - 90DEG
 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: WHL
Test Date: 2026-07-14

γ Range: 0 - 90DEG
 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:

Test:U:11.998V I:0.7043A P:8.4502W PF:1.0000 Freq:0Hz Lamp Flux:208.6x1 lm		
NAME: S010060CB3SD2 Mixed	TYPE:	WEIGHT:
SPEC.: 1000x10mm	DIM.: 1000x10mm	SERIAL No.: 10104-1609-00
MFR.: iPixel LED	SUR.: 1x0.01	Shielding Angle:

UNIT: cd

[illegible]

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γ Range: 0 - 90DEG
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:

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