

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz
Lamp Flux:957.78x1 lm

NAME: S012060CC4ST Mixed

TYPE: LED

WEIGHT:

SPEC.: 1000x12MM

DIM.: 1000x12MM

SERIAL No.: 10105-0864-00

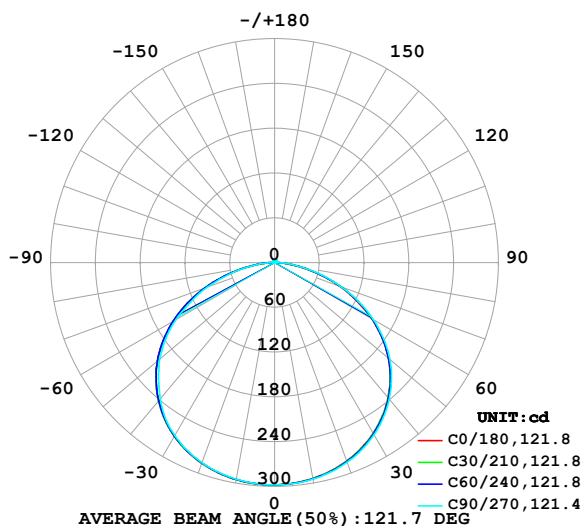
MFR.: iPixel LED

SUR.: 1000x12MM

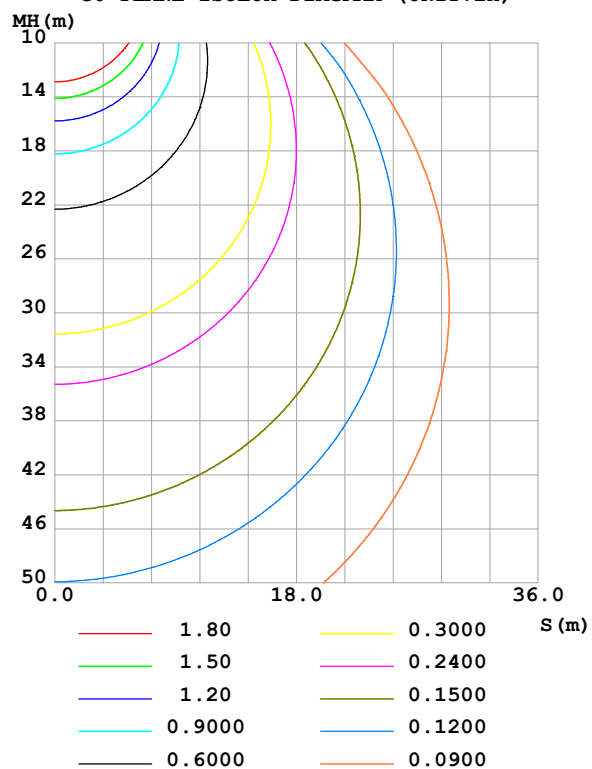
Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 51.46 lm/W
MODEL	S012060CC4ST Mixed	I _{max} (cd)	297.9	S/MH(C0/180)	1.34	
NOMINAL POWER(W)	19.2	LOR(%)	100.0	S/MH(C90/270)	1.34	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	957.78	η UP,DN(C0-180)	0.9,49.0	
NOMINAL FLUX(lm)	957.78	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.9,49.3	
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: 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	293.8	294.0	294.5	295.1	295.4	295.1	294.8	294.2	0- 10	28.28	28.28	2.95,2.95
20	282.9	283.3	284.5	285.8	286.0	285.8	285.1	282.1	10- 20	82.06	110.3	11.5,11.5
30	264.3	264.7	266.5	268.8	268.8	268.6	267.6	262.7	20- 30	127.5	237.9	24.8,24.8
40	236.5	236.9	239.0	242.2	242.0	241.9	238.6	235.9	30- 40	159.0	396.8	41.4,41.4
50	198.7	199.2	201.6	205.2	205.2	204.9	201.0	199.1	40- 50	171.0	567.8	59.3,59.3
60	150.7	150.9	152.9	156.5	156.8	156.7	152.7	151.3	50- 60	159.9	727.8	76,76
70	93.13	94.36	95.32	98.51	99.13	99.56	95.89	95.37	60- 70	124.3	852.0	89,89
80	35.40	37.15	38.34	39.12	39.19	40.73	39.00	37.49	70- 80	70.55	922.6	96.3,96.3
90	1.934	2.316	2.191	2.339	2.016	2.734	1.310	2.378	80- 90	18.72	941.3	98.3,98.3
100	1.438	1.491	1.587	1.655	1.482	1.425	1.478	1.539	90-100	1.564	942.9	98.4,98.4
110	1.936	1.933	2.012	2.120	1.898	1.930	1.993	2.075	100-110	1.853	944.7	98.6,98.6
120	2.435	2.390	2.430	2.545	2.353	2.432	2.502	2.597	110-120	2.219	946.9	98.9,98.9
130	2.912	2.861	2.895	2.969	2.838	2.934	2.995	3.104	120-130	2.425	949.4	99.1,99.1
140	3.396	3.313	3.378	3.427	3.397	3.437	3.504	3.617	130-140	2.467	951.8	99.4,99.4
150	3.845	3.772	3.909	3.914	3.842	3.901	3.983	4.109	140-150	2.304	954.1	99.6,99.6
160	4.246	4.254	4.427	4.378	4.175	4.309	4.394	4.533	150-160	1.910	956.1	99.8,99.8
170	4.562	4.610	4.723	4.761	4.505	4.633	4.705	4.851	160-170	1.277	957.3	100,100
180	4.663	4.795	4.874	4.990	4.670	4.797	4.871	4.995	170-180	0.4546	957.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 482.17 lm

%lum = 50.3%

%lamp = 50.3%

Conical surface Flux(130deg): 795.7 lm

%lum = 83.1%

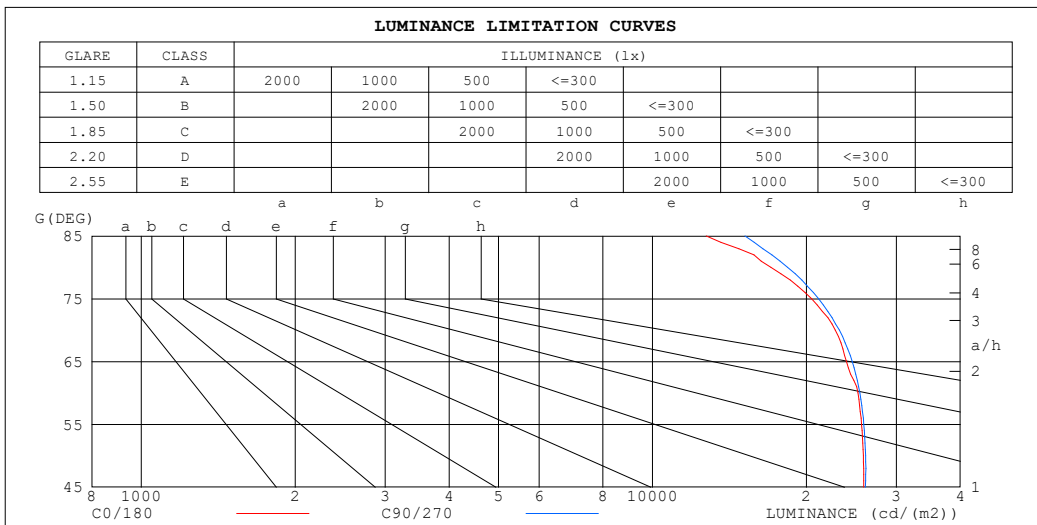
%lamp = 83.1%

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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×12MM	DIM.: 1000×12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000×12MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12738	15159
80	17057	18378
75	20487	21145
70	22779	23196
65	23966	24582
60	25221	25447
55	25641	25914
50	25863	26104
45	25903	26079

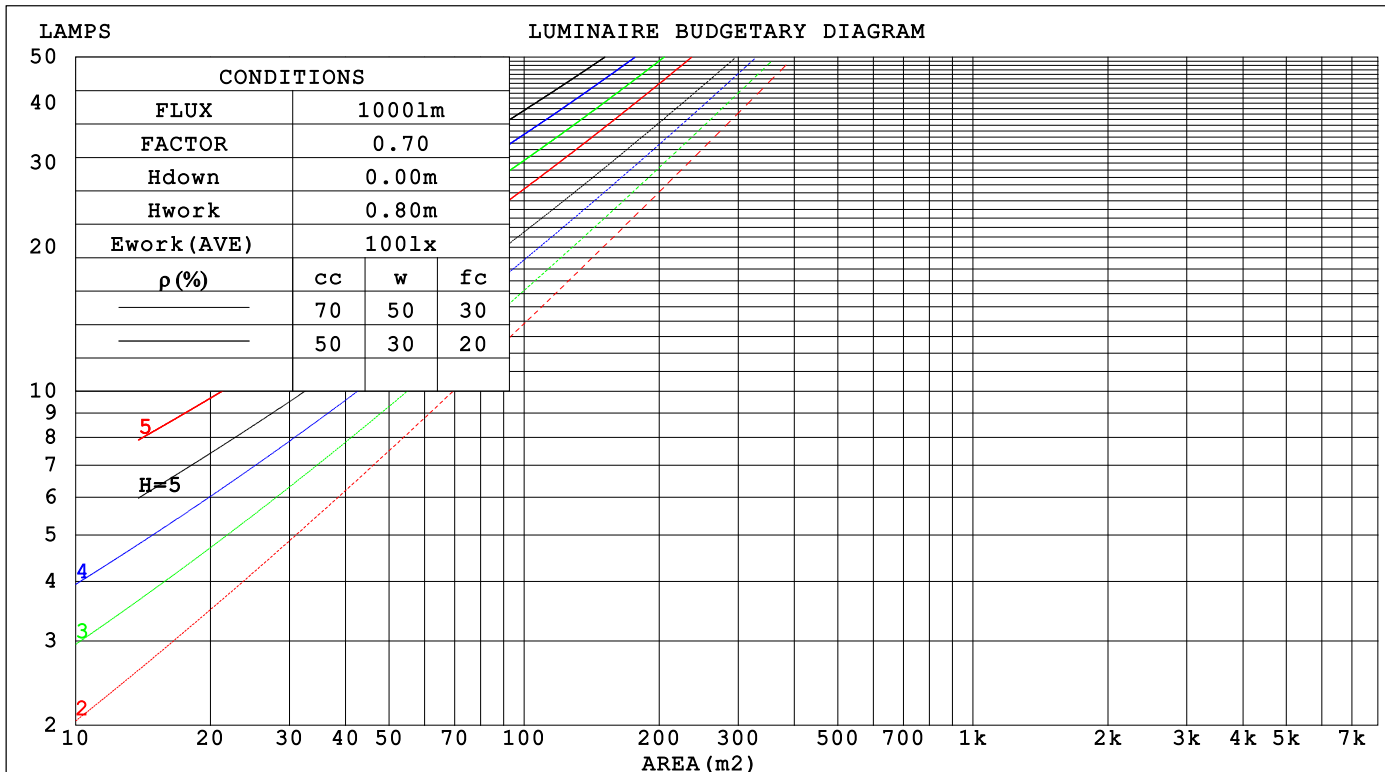
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WHL
Test Date: 2025-05-10

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	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	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.77	.87	.81	.75	.84	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.53	.67	.59	.53	.65	.57	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.36
7.0	.50	.41	.35	.49	.40	.34	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.29	.25	.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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	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	.317	.180	.057	.309	.176	.056	.295	.169	.054	.282	.162	.052	.269	.156	.050		
2.0	.298	.163	.050	.291	.160	.049	.278	.155	.048	.267	.150	.047	.256	.145	.046		
3.0	.275	.146	.044	.269	.144	.043	.258	.140	.042	.247	.136	.042	.238	.132	.041		
4.0	.254	.132	.039	.248	.130	.038	.238	.126	.038	.229	.123	.037	.220	.120	.036		
5.0	.234	.119	.035	.229	.118	.034	.220	.115	.034	.212	.112	.033	.204	.109	.033		
6.0	.217	.109	.031	.213	.107	.031	.205	.105	.030	.197	.102	.030	.190	.100	.030		
7.0	.201	.100	.028	.198	.099	.028	.191	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.188	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.176	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.156	.079	.023		
10.0	.165	.079	.022	.163	.079	.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	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022		
1.0	.194	.169	.147	.166	.145	.127	.114	.100	.088	.065	.058	.051	.021	.019	.016		
2.0	.186	.145	.111	.160	.125	.096	.109	.086	.067	.063	.050	.039	.020	.016	.013		
3.0	.179	.128	.087	.153	.110	.075	.105	.077	.053	.061	.045	.031	.020	.015	.010		
4.0	.171	.115	.071	.147	.099	.062	.101	.069	.043	.058	.040	.026	.019	.013	.008		
5.0	.164	.104	.060	.141	.090	.052	.097	.063	.037	.056	.037	.022	.018	.012	.007		
6.0	.157	.096	.052	.135	.083	.045	.093	.058	.032	.054	.034	.019	.017	.011	.006		
7.0	.150	.089	.046	.129	.077	.040	.089	.054	.029	.052	.032	.017	.017	.010	.006		
8.0	.143	.083	.042	.124	.072	.037	.085	.051	.026	.050	.030	.015	.016	.010	.005		
9.0	.137	.078	.039	.118	.068	.034	.082	.048	.024	.048	.028	.014	.015	.009	.005		
10.0	.132	.074	.036	.113	.064	.031	.079	.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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm										
NAME: S012060CC4ST Mixed					TYPE: LED			WEIGHT:		
SPEC.: 1000x12MM					DIM.: 1000x12MM			SERIAL No.: 10105-0864-00		
MFR.: iPixel LED					SUR.: 1000x12MM			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	24.3	25.8	24.6	26.1	26.3	24.3	25.8	24.6	26.1	26.3
3H	25.8	27.2	26.2	27.5	27.8	25.9	27.3	26.2	27.6	27.8
4H	26.4	27.8	26.8	28.0	28.3	26.5	27.8	26.8	28.1	28.4
6H	26.8	28.0	27.1	28.3	28.7	26.9	28.1	27.2	28.4	28.8
8H	26.9	28.1	27.2	28.4	28.7	27.0	28.2	27.4	28.5	28.9
12H	26.9	28.1	27.3	28.4	28.8	27.1	28.2	27.4	28.6	28.9
4H 2H	24.9	26.3	25.3	26.5	26.8	24.9	26.3	25.3	26.6	26.9
3H	26.6	27.8	27.0	28.1	28.5	26.7	27.8	27.0	28.2	28.5
4H	27.3	28.4	27.7	28.8	29.1	27.4	28.5	27.8	28.8	29.2
6H	27.8	28.8	28.2	29.2	29.6	27.9	28.9	28.3	29.2	29.6
8H	28.0	28.8	28.4	29.2	29.7	28.1	29.0	28.5	29.4	29.8
12H	28.0	28.8	28.5	29.3	29.7	28.2	29.0	28.6	29.4	29.8
8H 4H	27.6	28.5	28.0	28.9	29.3	27.6	28.5	28.1	28.9	29.3
6H	28.2	28.9	28.7	29.4	29.8	28.3	29.0	28.8	29.5	29.9
8H	28.4	29.1	28.9	29.5	30.0	28.5	29.2	29.0	29.6	30.1
12H	28.6	29.1	29.1	29.6	30.1	28.7	29.3	29.2	29.7	30.2
12H 4H	27.6	28.4	28.0	28.8	29.3	27.6	28.4	28.1	28.9	29.3
6H	28.3	28.9	28.7	29.4	29.8	28.3	29.0	28.8	29.4	29.9
8H	28.5	29.1	29.0	29.5	30.1	28.6	29.2	29.1	29.6	30.2
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, 957.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)
Area: 0.012 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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

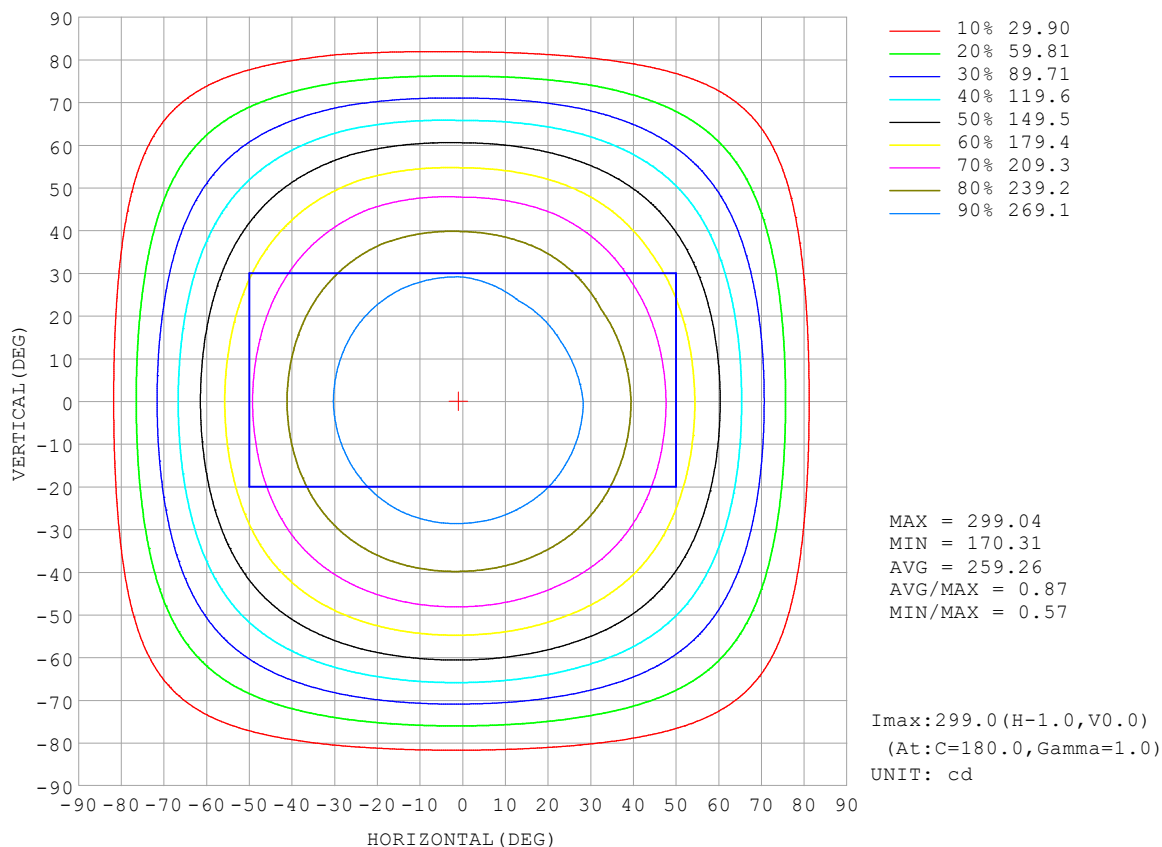
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	43	36	53	43	36	30
0.80	66	54	46	65	53	46	63	52	46	38
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	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	96	88	82	91	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	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: 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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

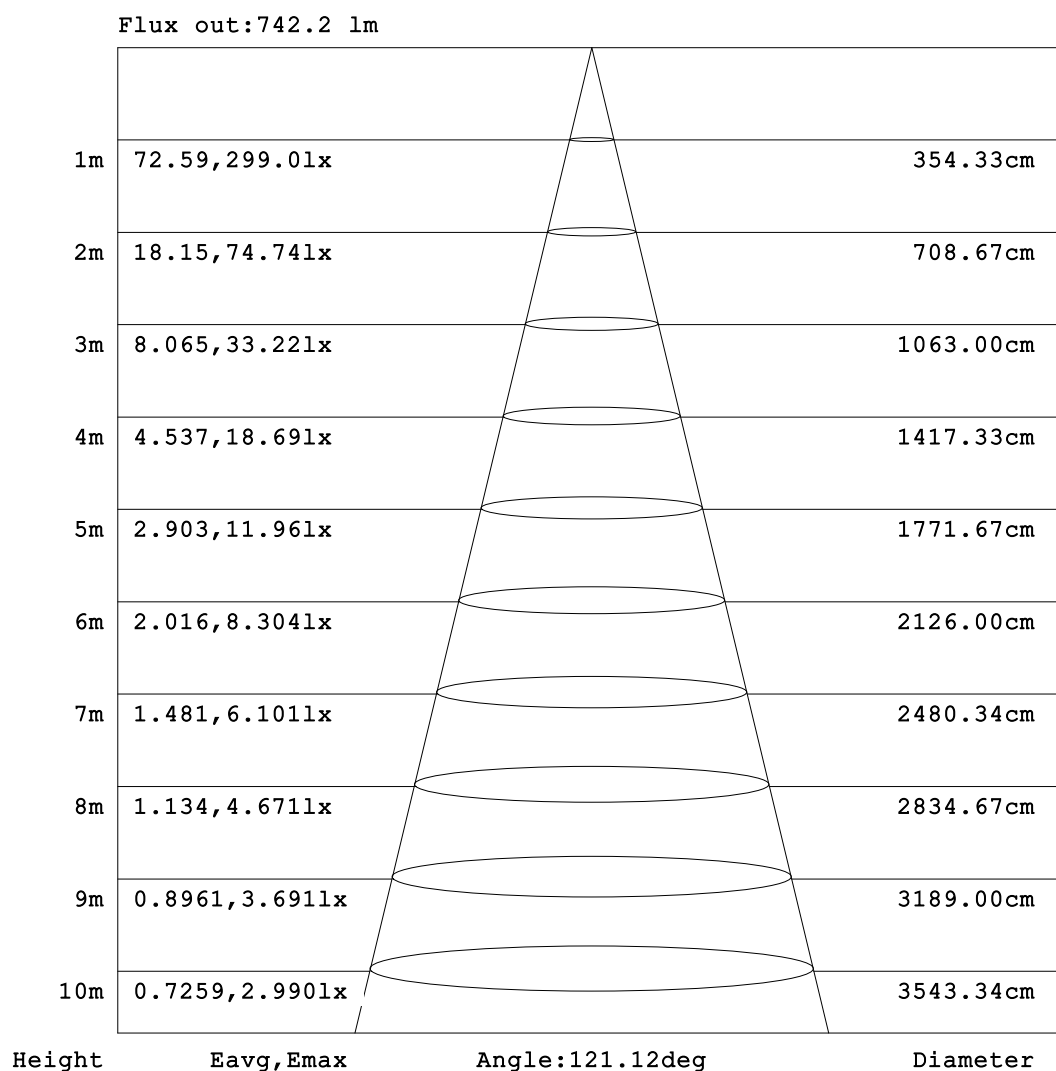


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-10

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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:



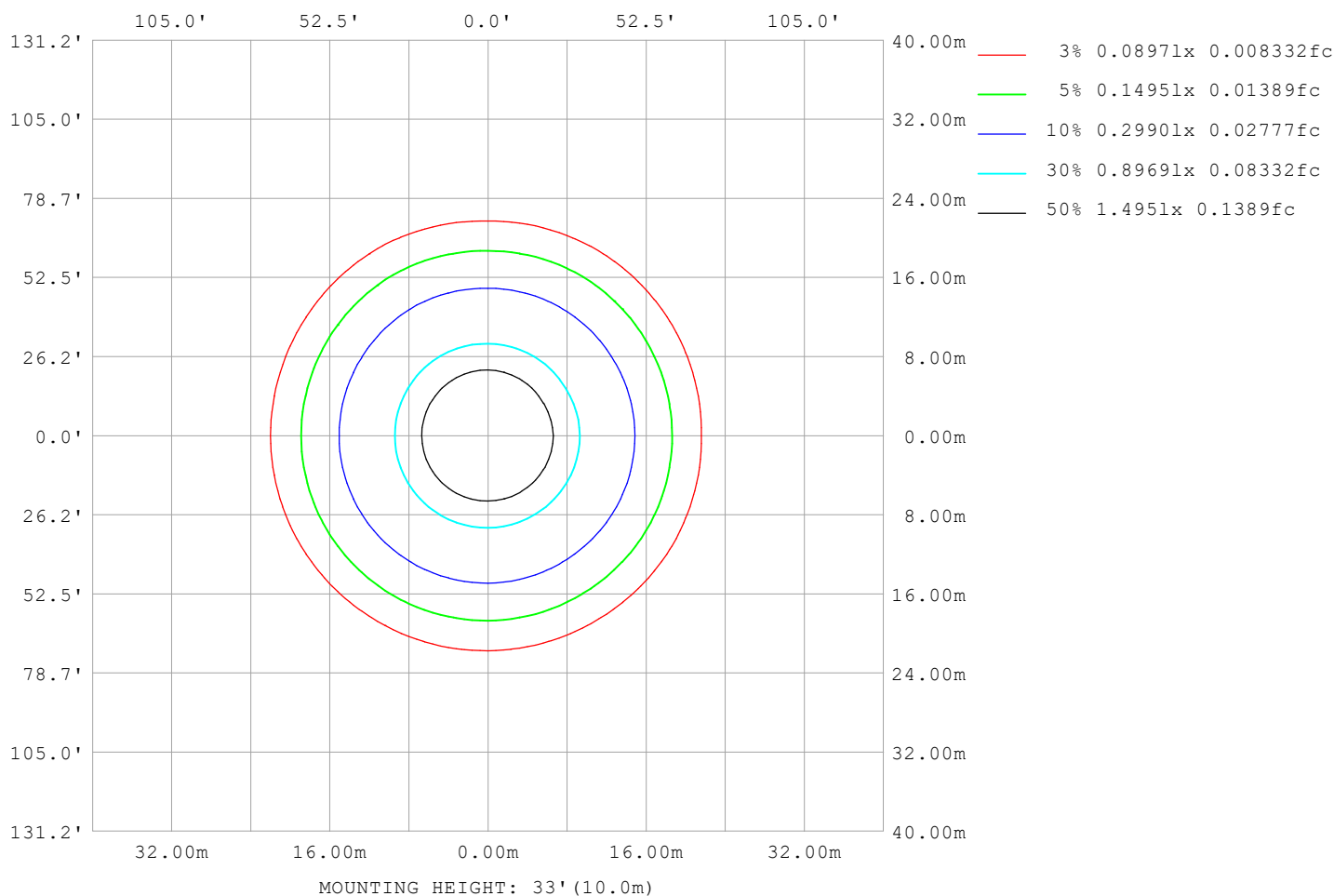
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

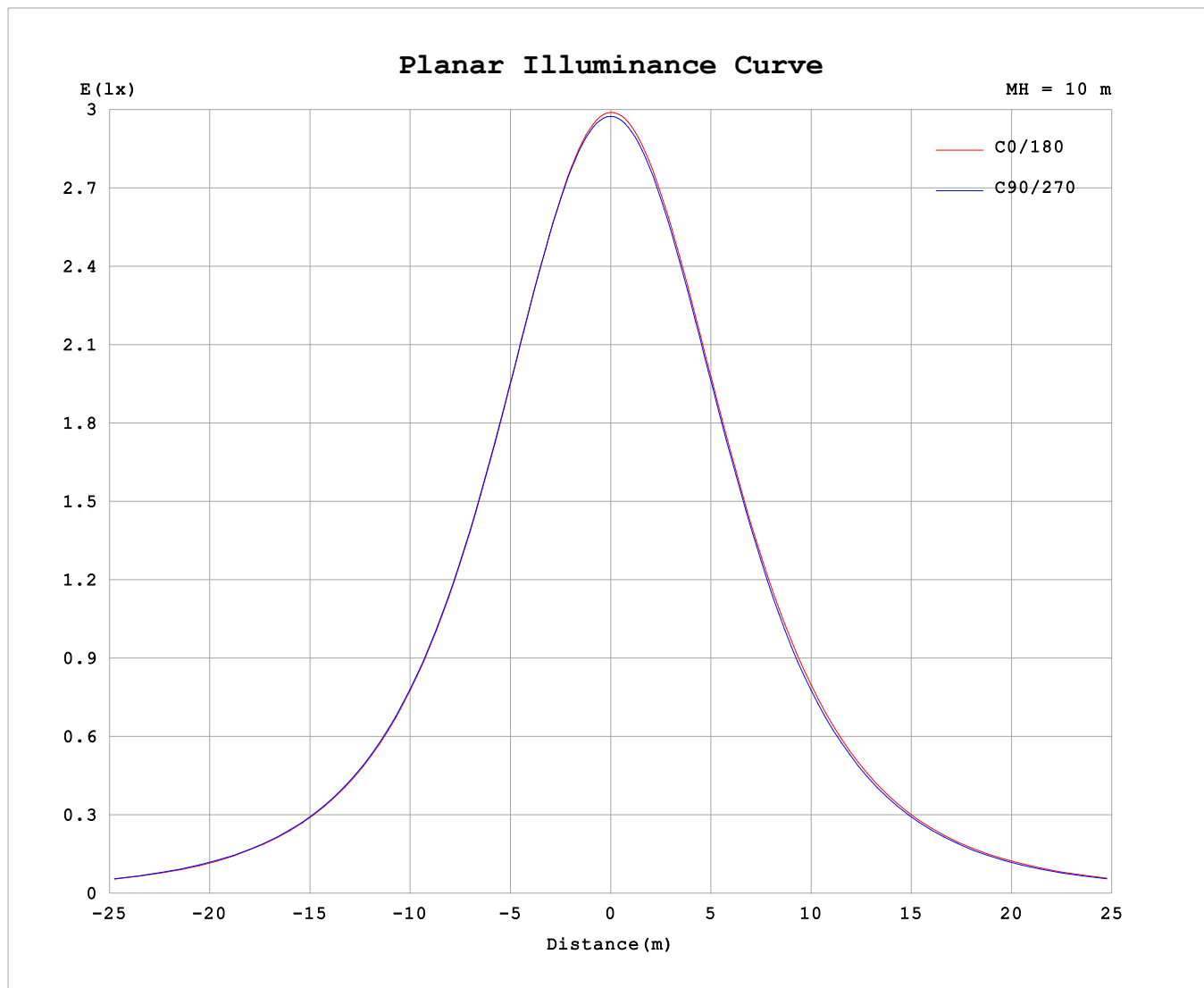
AvgL	cd/m2
L_0~180 (65) av	24649
L_0~180 (75) av	21251
L_0~180 (85) av	13504
L_90~270 (65) av	24509
L_90~270 (75) av	21260
L_90~270 (85) av	15397
L_45 (65) av	24959
L_45 (75) av	21597
L_45 (85) av	15247

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:23.997V I:0.7756A P:18.612W PF:1.0000 Freq:0Hz Lamp Flux:957.78x1 lm		
NAME: S012060CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0864-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	298	298	298	298	298	298	298	298	298	298	298	298							
5	297	297	297	297	297	297	297	297	297	297	297	297							
10	294	294	294	295	295	295	295	295	295	295	295	294							
15	289	289	290	290	291	292	292	291	291	291	291	286							
20	283	283	284	285	285	286	286	286	286	285	284	280							
25	275	275	275	277	278	279	278	278	278	277	273	273							
30	264	264	265	266	268	269	269	269	268	268	264	261							
35	252	252	252	254	256	257	257	257	256	255	252	249							
40	237	237	237	239	242	243	242	242	242	239	237	235							
45	219	219	220	222	224	226	225	225	225	220	220	217							
50	199	199	199	202	204	206	205	205	205	201	200	198							
55	176	176	176	179	181	183	182	182	182	178	178	176							
60	151	151	151	153	155	158	157	157	157	153	151	151							
65	121	124	123	125	127	129	129	129	129	124	126	124							
70	93.1	94.5	94.2	95.3	97.6	99.4	99.1	99.6	99.5	95.9	96.7	94.1							
75	63.4	64.8	64.7	65.8	67.2	68.6	68.6	69.2	69.3	66.3	66.8	65.1							
80	35.4	36.8	37.5	38.3	39.0	39.2	39.2	40.2	41.3	39.0	38.0	37.0							
85	13.3	14.5	15.3	15.9	15.8	15.7	15.0	16.6	18.1	16.3	16.1	14.8							
90	1.93	2.18	2.45	2.19	2.38	2.30	2.02	2.55	2.92	1.31	2.55	2.21							
95	1.21	1.25	1.48	1.34	1.51	1.51	1.27	1.19	1.23	1.24	1.30	1.34							
100	1.44	1.45	1.54	1.59	1.60	1.71	1.48	1.38	1.47	1.48	1.54	1.54							
105	1.68	1.68	1.72	1.75	1.85	1.94	1.69	1.64	1.72	1.74	1.79	1.80							
110	1.94	1.93	1.94	2.01	2.09	2.15	1.90	1.89	1.97	1.99	2.07	2.08							
115	2.19	2.19	2.20	2.21	2.28	2.38	2.11	2.15	2.23	2.25	2.32	2.35							
120	2.43	2.42	2.36	2.43	2.46	2.62	2.35	2.39	2.47	2.50	2.57	2.62							
125	2.67	2.67	2.59	2.66	2.66	2.83	2.59	2.63	2.72	2.75	2.82	2.88							
130	2.91	2.90	2.83	2.90	2.92	3.02	2.84	2.89	2.97	3.00	3.07	3.14							
135	3.16	3.08	3.07	3.14	3.19	3.20	3.11	3.14	3.23	3.25	3.32	3.40							
140	3.40	3.32	3.31	3.38	3.45	3.40	3.40	3.39	3.49	3.50	3.58	3.66							
145	3.63	3.55	3.54	3.61	3.71	3.63	3.63	3.63	3.73	3.75	3.83	3.91							
150	3.84	3.78	3.77	3.91	3.95	3.88	3.84	3.86	3.95	3.98	4.07	4.15							
155	4.05	3.99	4.07	4.24	4.19	4.12	4.00	4.06	4.17	4.20	4.29	4.37							
160	4.25	4.18	4.33	4.43	4.40	4.36	4.18	4.26	4.36	4.39	4.49	4.58							
165	4.42	4.35	4.50	4.59	4.58	4.58	4.35	4.44	4.53	4.56	4.67	4.75							
170	4.56	4.59	4.63	4.72	4.73	4.79	4.51	4.59	4.68	4.70	4.81	4.89							
175	4.62	4.73	4.74	4.84	4.85	4.98	4.63	4.71	4.80	4.82	4.92	4.99							
180	4.66	4.77	4.82	4.87	4.93	5.05	4.67	4.77	4.82	4.87	4.94	5.05							

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

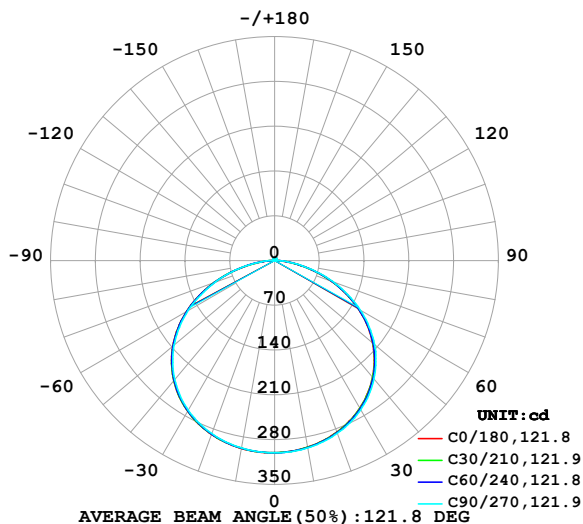
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

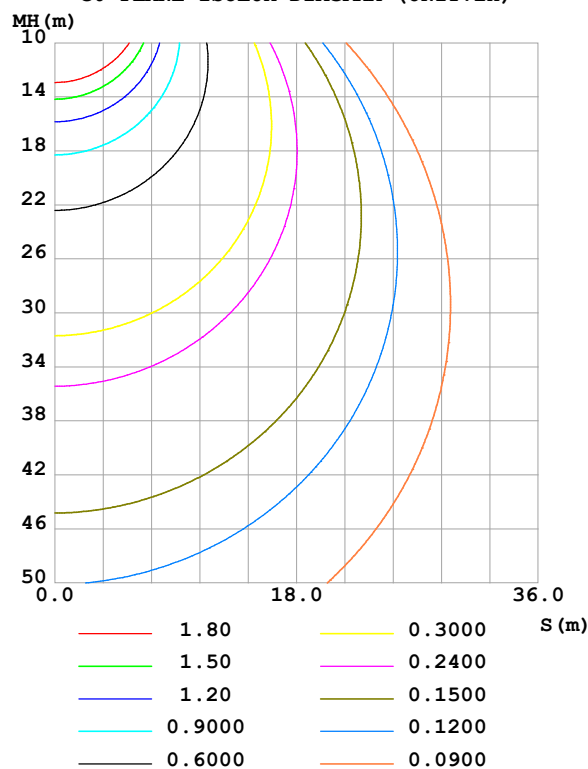
Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 52.04 lm/W
MODEL	S012060CB4ST Mixed	Imax (cd)	300.5	S/MH(C0/180)	1.35	
NOMINAL POWER(W)	19.2	LOR(%)	100.0	S/MH(C90/270)	1.34	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	969.74	η UP,DN(C0-180)	0.8,49.0	
NOMINAL FLUX(lm)	969.74	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)	12	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℃
Operators:WHL
Test Date:2025-05-16

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	296.2	296.6	297.3	298.0	298.2	297.9	297.4	296.8	0- 10	28.53	28.53	2.94,2.94
20	285.1	285.9	287.3	288.9	289.1	288.7	287.8	286.6	10- 20	82.90	111.4	11.5,11.5
30	266.4	267.2	269.3	272.0	272.0	271.6	270.2	268.8	20- 30	129.0	240.5	24.8,24.8
40	238.2	239.1	241.7	245.6	245.3	244.8	243.0	241.8	30- 40	161.1	401.5	41.4,41.4
50	200.0	201.0	204.0	208.3	208.2	207.4	205.1	204.4	40- 50	173.6	575.1	59.3,59.3
60	151.4	152.1	154.7	158.9	159.0	158.4	156.0	151.4	50- 60	161.9	737.0	76,76
70	95.09	95.21	97.44	100.5	100.5	100.4	98.91	94.73	60- 70	125.8	862.8	89,89
80	36.73	37.85	39.68	40.81	39.74	41.56	41.48	38.01	70- 80	71.66	934.5	96.4,96.4
90	1.792	2.192	1.732	2.491	1.834	2.555	1.185	2.286	80- 90	19.19	953.7	98.3,98.3
100	1.352	1.428	1.543	1.529	1.364	1.398	1.463	1.459	90-100	1.458	955.1	98.5,98.5
110	1.851	1.930	2.023	1.977	1.845	1.900	1.971	1.957	100-110	1.783	956.9	98.7,98.7
120	2.339	2.391	2.477	2.430	2.340	2.400	2.465	2.442	110-120	2.156	959.1	98.9,98.9
130	2.834	2.866	2.946	2.936	2.829	2.890	2.938	2.922	120-130	2.377	961.5	99.1,99.1
140	3.326	3.357	3.429	3.431	3.334	3.382	3.435	3.429	130-140	2.432	963.9	99.4,99.4
150	3.775	3.818	3.937	3.900	3.783	3.832	3.893	3.907	140-150	2.274	966.2	99.6,99.6
160	4.180	4.228	4.319	4.314	4.188	4.241	4.279	4.315	150-160	1.877	968.0	99.8,99.8
170	4.514	4.545	4.611	4.623	4.558	4.554	4.585	4.630	160-170	1.251	969.3	100,100
180	4.705	4.726	4.755	4.793	4.708	4.717	4.751	4.794	170-180	0.4446	969.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 488.17 lm

%lum = 50.3%

%lamp = 50.3%

Conical surface Flux(130deg): 805.81 lm

%lum = 83.1%

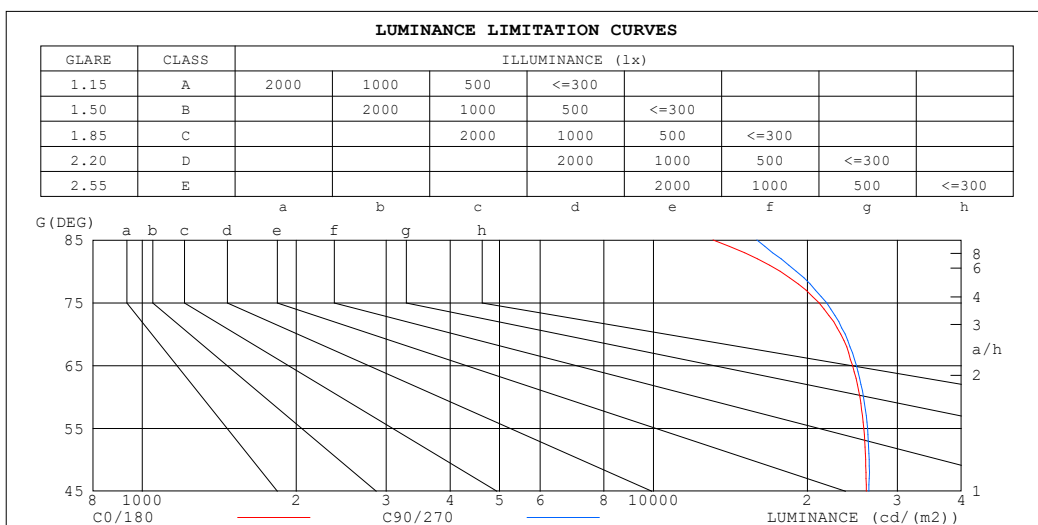
%lamp = 83.1%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13078	15933
80	17688	19019
75	21064	21807
70	23248	23715
65	24505	24937
60	25325	25756
55	25788	26220
50	26014	26412
45	26069	26382

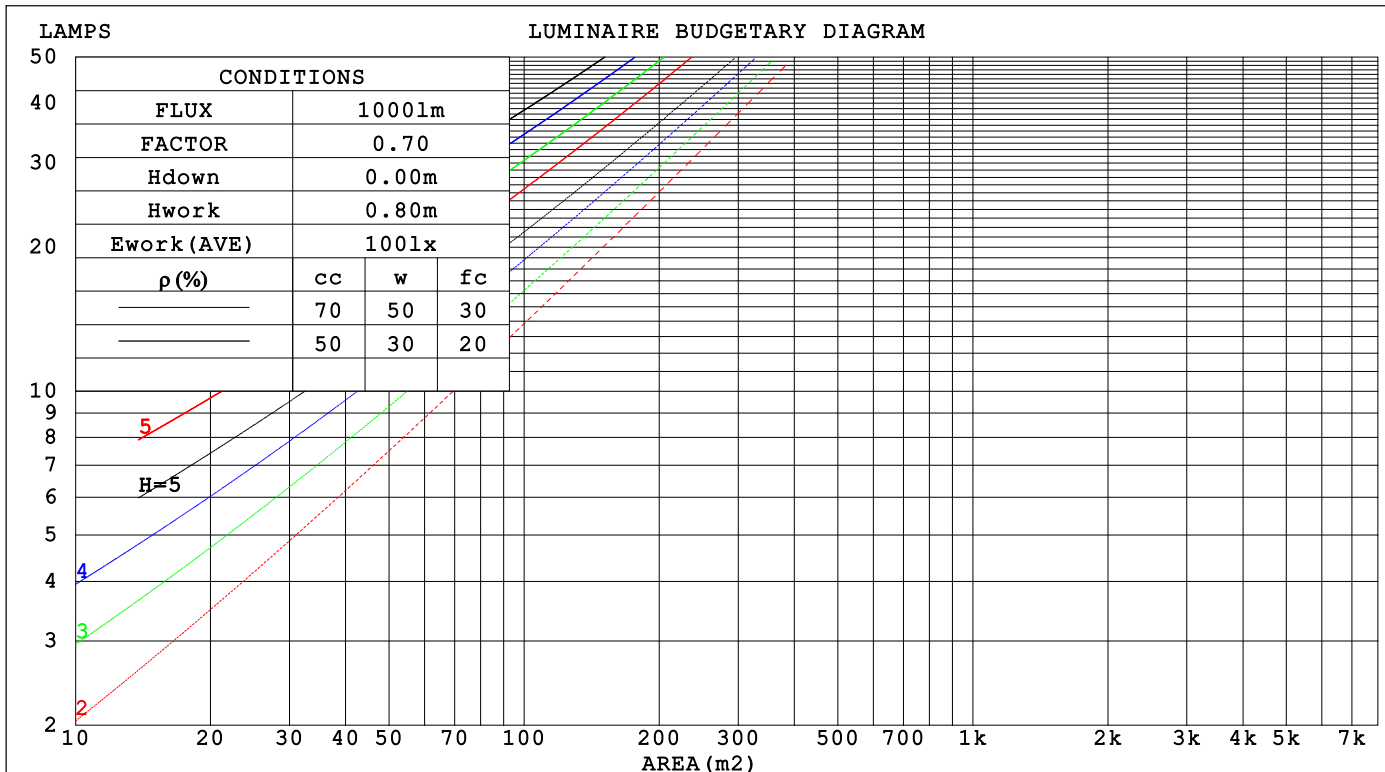
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.76	.87	.81	.75	.84	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.53	.67	.59	.53	.65	.57	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.36
7.0	.50	.41	.35	.49	.40	.34	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.41	.33	.27	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.36	.29	.25	.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:2025-05-16

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:

WEC AND CCEC

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz		
Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	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	.317	.180	.057	.309	.176	.056	.295	.169	.054	.282	.163	.052	.270	.156	.050		
2.0	.298	.163	.050	.291	.160	.049	.279	.155	.048	.267	.150	.047	.256	.145	.046		
3.0	.275	.147	.044	.269	.144	.043	.258	.140	.043	.248	.136	.042	.238	.132	.041		
4.0	.254	.132	.039	.248	.130	.038	.238	.126	.038	.229	.123	.037	.220	.120	.036		
5.0	.234	.119	.035	.229	.118	.034	.221	.115	.034	.212	.112	.033	.204	.109	.033		
6.0	.217	.109	.031	.213	.107	.031	.205	.105	.031	.197	.102	.030	.190	.100	.030		
7.0	.202	.100	.028	.198	.099	.028	.191	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.188	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.167	.085	.025		
9.0	.176	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.163	.079	.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	.203	.203	.203	.174	.174	.174	.118	.118	.118	.068	.068	.068	.022	.022	.022		
1.0	.194	.169	.147	.166	.145	.126	.113	.100	.087	.065	.058	.051	.021	.019	.016		
2.0	.186	.145	.110	.159	.125	.095	.109	.086	.066	.063	.050	.039	.020	.016	.013		
3.0	.178	.127	.086	.153	.110	.075	.105	.076	.053	.061	.045	.031	.019	.014	.010		
4.0	.171	.114	.071	.147	.099	.061	.101	.069	.043	.058	.040	.026	.019	.013	.008		
5.0	.164	.104	.060	.140	.090	.052	.097	.063	.037	.056	.037	.022	.018	.012	.007		
6.0	.156	.095	.052	.134	.083	.045	.093	.058	.032	.054	.034	.019	.017	.011	.006		
7.0	.150	.089	.046	.129	.077	.040	.089	.054	.028	.052	.032	.017	.017	.010	.006		
8.0	.143	.083	.041	.123	.072	.036	.085	.050	.026	.050	.030	.015	.016	.010	.005		
9.0	.137	.078	.038	.118	.068	.033	.082	.048	.024	.048	.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:WHL
Test Date:2025-05-16

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:

UGR(Unified Glare Rating) Table

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm										
NAME: S012060CB4ST Mixed					TYPE: LED			WEIGHT:		
SPEC.: 1000x12MM					DIM.: 1000x12MM			SERIAL No.: 10105-0163-00		
MFR.: iPixel LED					SUR.: 1000x12MM			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	24.3	25.8	24.6	26.0	26.3	24.3	25.8	24.6	26.1	26.3
3H	25.8	27.2	26.1	27.5	27.8	25.9	27.3	26.2	27.6	27.8
4H	26.4	27.8	26.8	28.0	28.3	26.5	27.8	26.8	28.1	28.4
6H	26.8	28.1	27.2	28.4	28.7	26.9	28.2	27.3	28.5	28.8
8H	26.9	28.1	27.3	28.4	28.8	27.0	28.3	27.4	28.6	28.9
12H	26.9	28.1	27.3	28.4	28.8	27.1	28.3	27.5	28.6	28.9
4H 2H	24.9	26.2	25.2	26.5	26.8	24.9	26.3	25.3	26.5	26.8
3H	26.6	27.8	27.0	28.1	28.5	26.7	27.8	27.0	28.2	28.5
4H	27.3	28.4	27.7	28.8	29.1	27.4	28.5	27.8	28.8	29.2
6H	27.8	28.8	28.2	29.2	29.6	27.9	28.9	28.4	29.3	29.7
8H	28.0	28.9	28.4	29.3	29.7	28.1	29.0	28.5	29.4	29.8
12H	28.0	28.9	28.5	29.3	29.7	28.2	29.0	28.7	29.5	29.9
8H 4H	27.6	28.5	28.0	28.9	29.3	27.6	28.5	28.1	28.9	29.4
6H	28.2	28.9	28.7	29.4	29.8	28.3	29.1	28.8	29.5	30.0
8H	28.4	29.1	28.9	29.5	30.0	28.6	29.2	29.1	29.7	30.2
12H	28.6	29.1	29.1	29.6	30.1	28.8	29.3	29.3	29.8	30.3
12H 4H	27.6	28.4	28.0	28.8	29.3	27.7	28.5	28.1	28.9	29.3
6H	28.3	28.9	28.7	29.4	29.9	28.4	29.0	28.9	29.5	30.0
8H	28.5	29.1	29.0	29.5	30.1	28.6	29.2	29.2	29.7	30.2
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, 969.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)
Area: 0.012 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

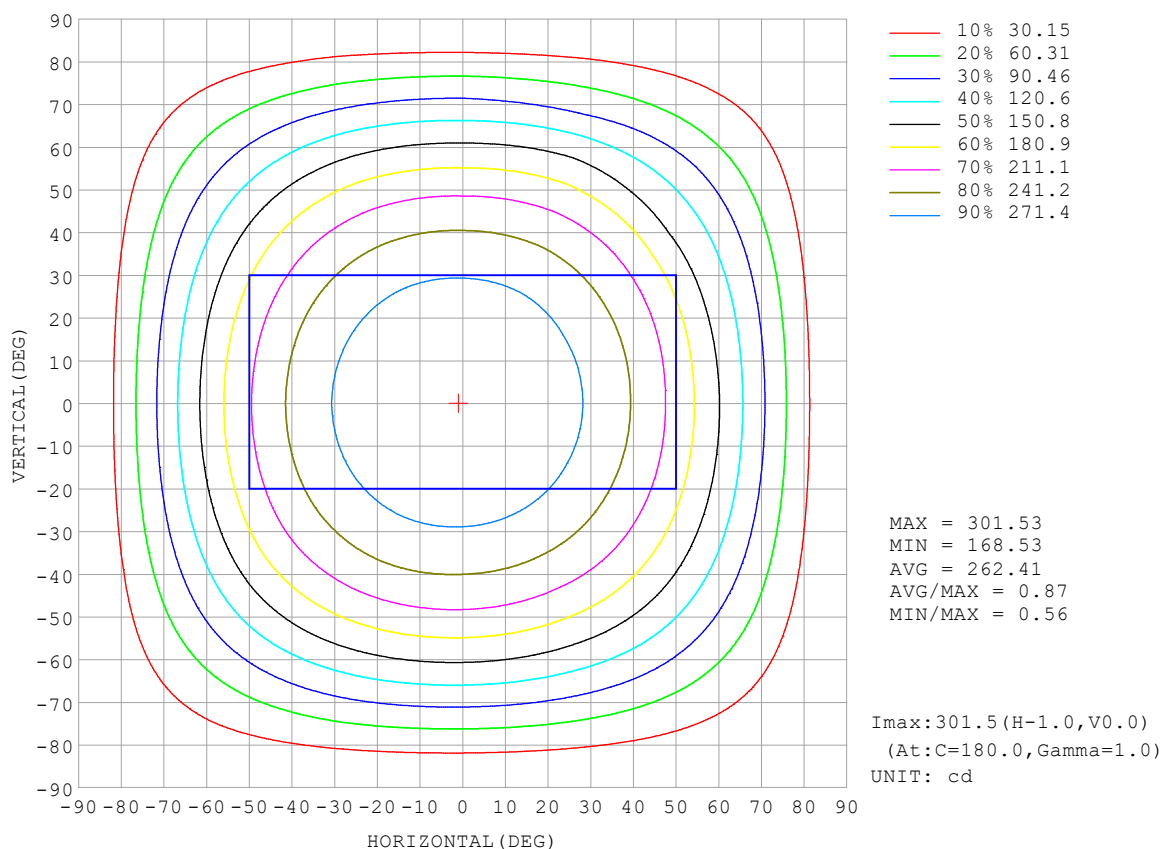
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	43	36	53	43	36	30
0.80	66	54	46	65	53	46	63	52	46	38
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	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	96	88	82	91	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	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: WHL
Test Date: 2025-05-16

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:

ISOCANDELA DIAGRAM

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

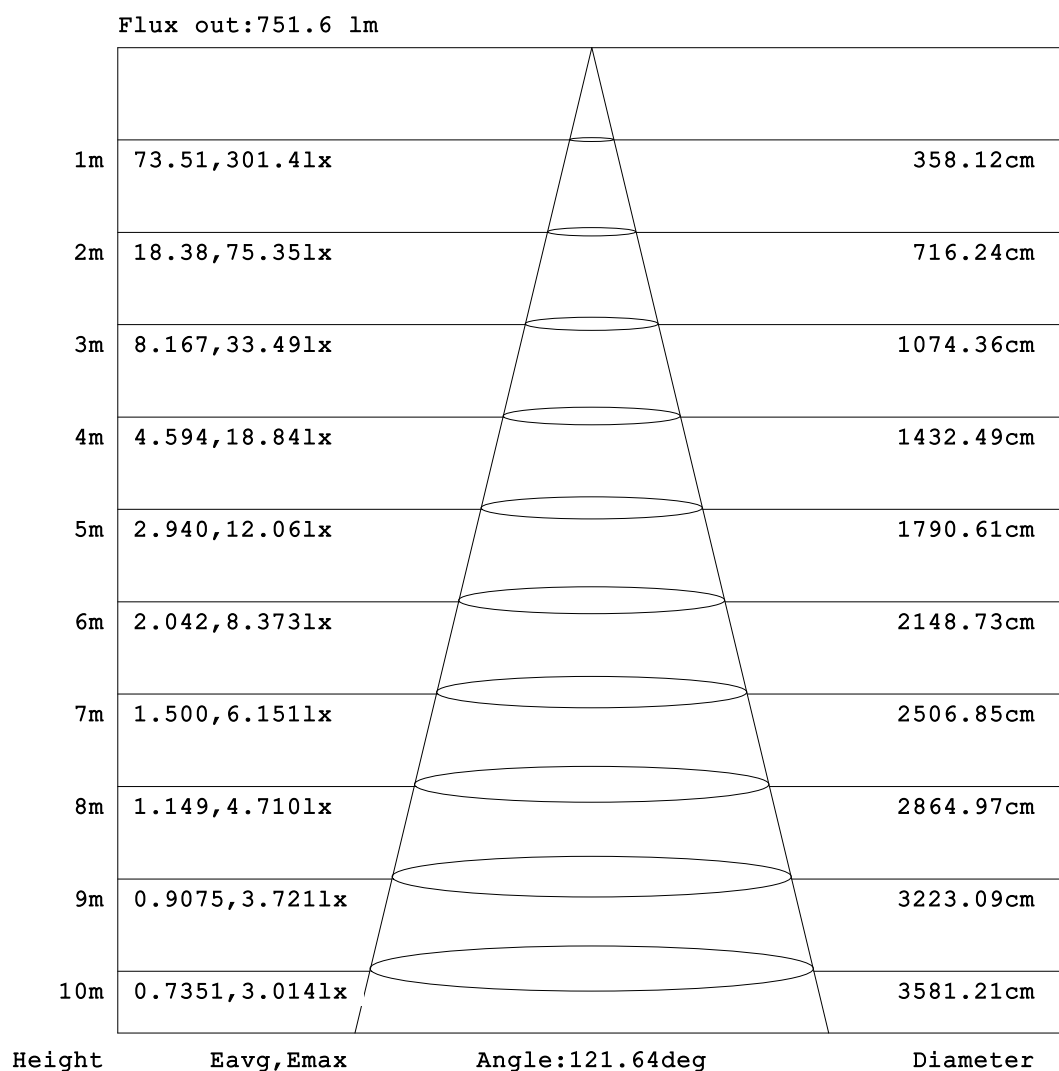


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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:

AAI Figure

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:



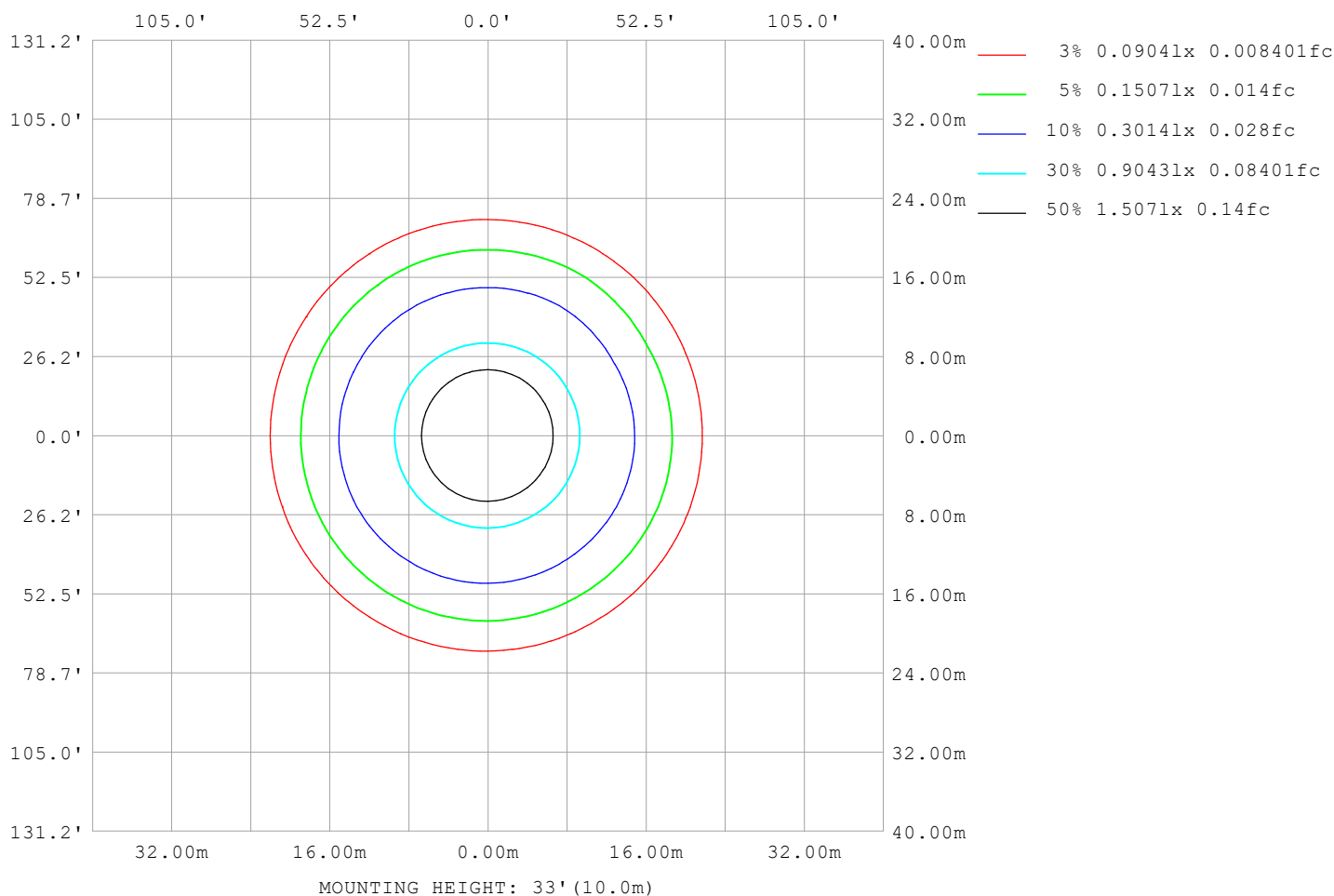
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2025-05-16

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:

ISOLUX DIAGRAM

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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:

LED Avg.L Report

Test:U:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

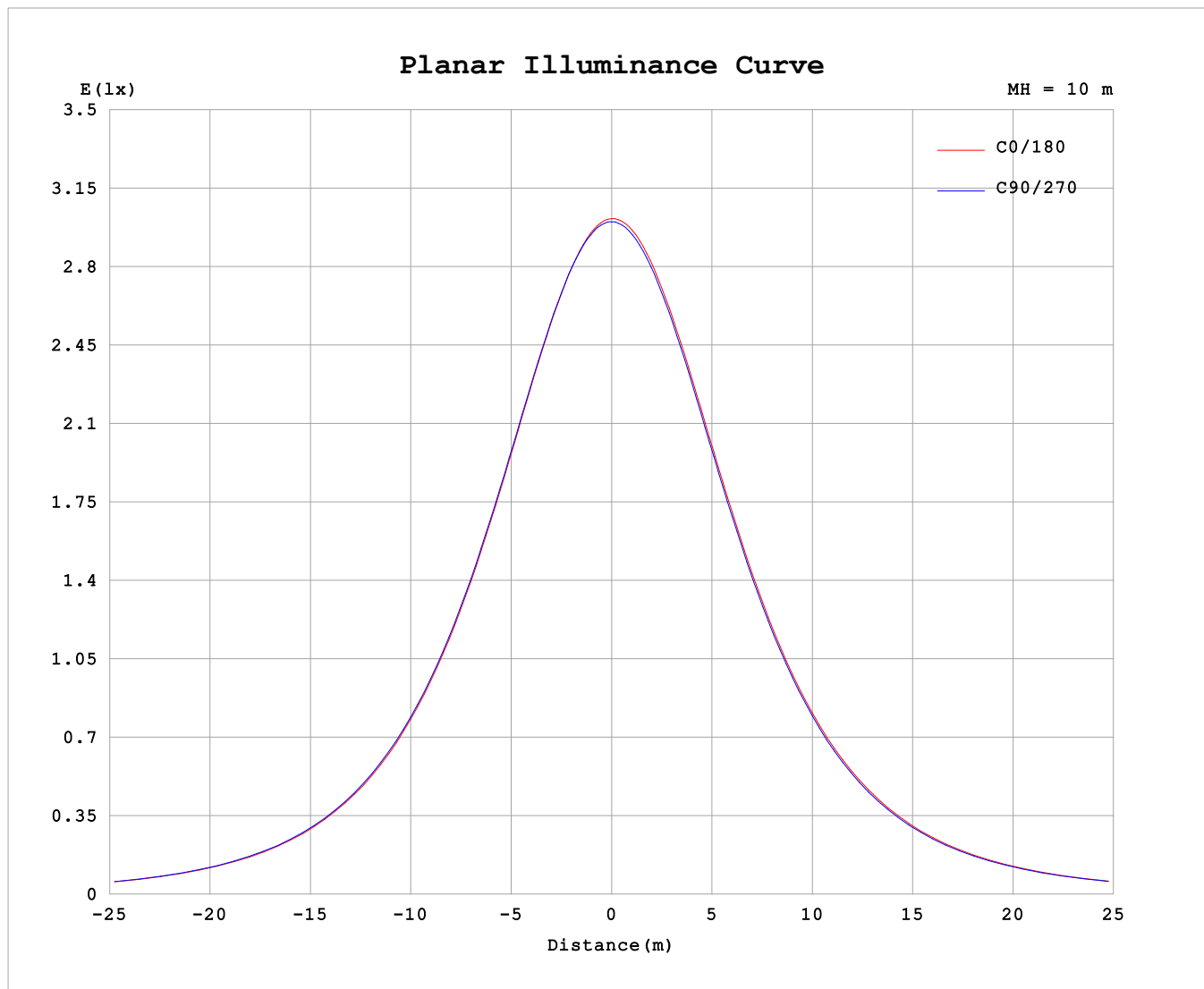
AvgL	cd/m2
L_0~180 (65) av	25100
L_0~180 (75) av	21676
L_0~180 (85) av	13820
L_90~270 (65) av	25086
L_90~270 (75) av	22151
L_90~270 (85) av	16140
L_45 (65) av	25154
L_45 (75) av	21676
L_45 (85) av	15622

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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: WHL
Test Date: 2025-05-16

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:11.999V I:1.5529A P:18.633W PF:1.0000 Freq:0Hz Lamp Flux:969.74x1 lm		
NAME: S012060CB4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x12MM	DIM.: 1000x12MM	SERIAL No.: 10105-0163-00
MFR.: iPixel LED	SUR.: 1000x12MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	300	300	300	300	300	300	300	300	300	300	300	300							
5	299	299	299	300	300	300	300	300	300	300	300	299							
10	296	296	297	297	298	298	298	298	298	297	297	297							
15	292	292	292	293	294	295	295	294	294	294	293	292							
20	285	286	286	287	288	289	289	289	289	288	287	286							
25	277	277	278	279	281	282	282	281	281	280	280	278							
30	266	267	268	269	271	273	272	272	271	270	270	268							
35	254	254	255	257	259	261	260	260	259	258	258	256							
40	238	239	240	242	245	246	245	245	244	243	243	241							
45	220	221	222	224	227	229	228	228	227	225	226	223							
50	200	201	201	204	207	209	208	207	207	205	206	203							
55	177	178	178	181	184	186	185	184	184	182	183	176							
60	151	152	152	155	158	160	159	158	158	156	157	146							
65	124	124	124	127	129	132	131	130	130	128	126	125							
70	95.1	95.0	95.4	97.4	99.8	101	101	101	100	98.9	93.9	95.6							
75	65.2	65.1	66.2	67.8	69.6	70.1	69.4	69.9	70.4	69.8	64.3	63.7							
80	36.7	37.2	38.5	39.7	40.8	40.8	39.7	40.8	42.3	41.5	39.1	36.9							
85	13.6	14.8	15.7	16.7	16.9	16.9	15.3	16.6	18.0	17.1	16.3	14.8							
90	1.79	2.07	2.31	1.73	2.55	2.43	1.83	2.40	2.71	1.19	2.40	2.17							
95	1.13	1.22	1.23	1.31	1.29	1.37	1.15	1.16	1.21	1.21	1.26	1.26							
100	1.35	1.42	1.44	1.54	1.50	1.56	1.36	1.35	1.44	1.46	1.49	1.43							
105	1.59	1.66	1.68	1.78	1.70	1.78	1.60	1.60	1.70	1.72	1.74	1.68							
110	1.85	1.91	1.95	2.02	1.95	2.01	1.84	1.85	1.95	1.97	1.99	1.93							
115	2.10	2.15	2.17	2.23	2.21	2.20	2.10	2.10	2.21	2.22	2.23	2.18							
120	2.34	2.40	2.39	2.48	2.46	2.40	2.34	2.35	2.45	2.47	2.46	2.42							
125	2.59	2.63	2.62	2.70	2.70	2.66	2.58	2.59	2.69	2.69	2.70	2.66							
130	2.83	2.87	2.87	2.95	2.95	2.92	2.83	2.84	2.93	2.94	2.93	2.91							
135	3.08	3.11	3.11	3.19	3.21	3.17	3.09	3.09	3.18	3.19	3.20	3.16							
140	3.33	3.36	3.35	3.43	3.45	3.41	3.33	3.34	3.43	3.43	3.44	3.42							
145	3.56	3.59	3.59	3.66	3.68	3.66	3.57	3.57	3.66	3.67	3.68	3.66							
150	3.77	3.82	3.82	3.94	3.90	3.90	3.78	3.79	3.88	3.89	3.92	3.90							
155	3.98	4.02	4.04	4.14	4.11	4.13	3.99	4.00	4.09	4.09	4.12	4.11							
160	4.18	4.22	4.23	4.32	4.29	4.34	4.19	4.20	4.28	4.28	4.32	4.31							
165	4.37	4.39	4.40	4.47	4.46	4.51	4.39	4.37	4.45	4.44	4.49	4.48							
170	4.51	4.55	4.54	4.61	4.59	4.65	4.56	4.52	4.59	4.59	4.63	4.63							
175	4.63	4.67	4.65	4.72	4.70	4.78	4.68	4.64	4.70	4.70	4.75	4.75							
180	4.70	4.73	4.72	4.75	4.77	4.82	4.71	4.70	4.73	4.75	4.77	4.82							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-16

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: