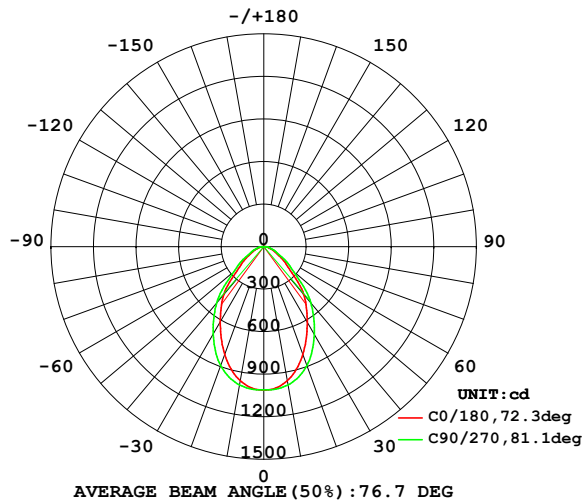


## LUMINAIRE PHOTOMETRIC TEST REPORT

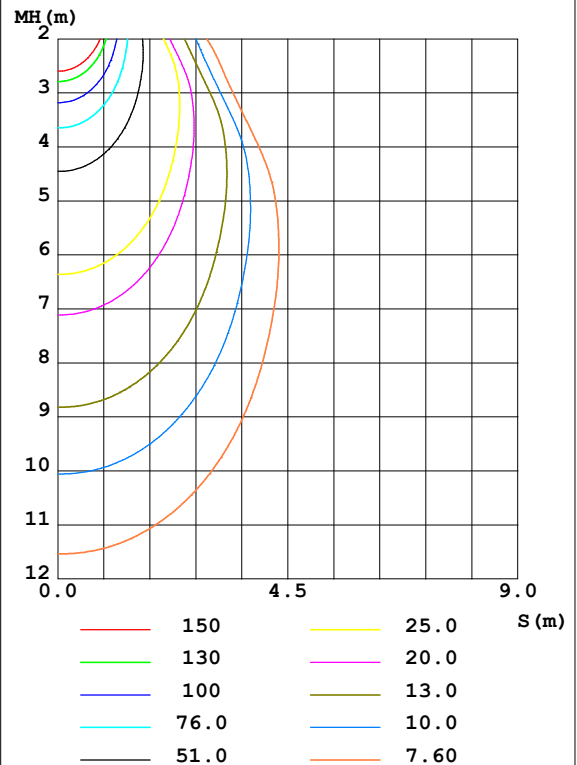
Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.71 lm/W			
MODEL	LSM 12-20CCT-silver	I <sub>max</sub> (cd)	1011	S/MH(C0/180)	0.97
NOMINAL POWER(W)	12	LOR(%)	115.7	S/MH(C90/270)	1.09
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1668.2	η UP,DN(C0-180)	0.0,57.8
NOMINAL FLUX(lm)	1442.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,57.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down(%)	115.7	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	960.0	989.8	960.0	989.8					0- 10	94.91	94.91	5.69,6.58
20	808.4	891.4	808.4	891.4					10- 20	258.6	353.6	21.2,24.5
30	614.3	713.5	614.3	713.5					20- 30	348.8	702.3	42.1,48.7
40	438.5	516.6	438.5	516.6					30- 40	356.2	1059	63.5,73.4
50	222.6	277.3	222.6	277.3					40- 50	276.8	1335	80,92.6
60	118.6	147.0	118.6	147.0					50- 60	170.0	1505	90.2,104
70	64.53	77.55	64.53	77.55					60- 70	96.40	1602	96,111
80	26.47	35.78	26.47	35.78					70- 80	51.21	1653	99.1,115
90	0	0.8829	0	0.8829					80- 90	15.28	1668	100,116
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		

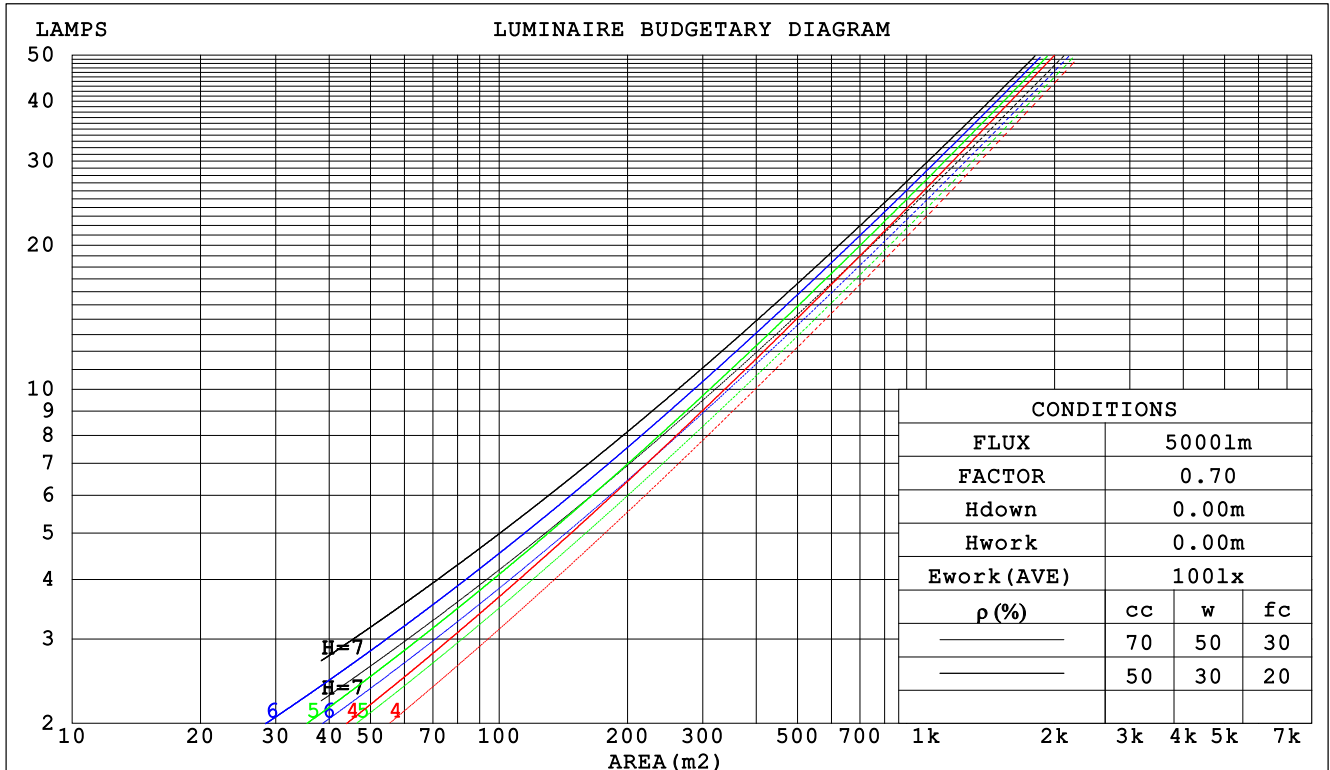
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.38	1.38	1.38	1.34	1.34	1.34	1.29	1.29	1.29	1.23	1.23	1.23	1.18	1.18	1.18	1.16
1.0	1.24	1.20	1.16	1.21	1.18	1.14	1.16	1.14	1.11	1.12	1.10	1.07	1.08	1.06	1.04	1.02
2.0	1.11	1.05	.99	1.09	1.03	.98	1.05	1.00	.96	1.02	.97	.94	.98	.95	.92	.90
3.0	1.00	.92	.86	.99	.91	.85	.95	.89	.84	.92	.87	.83	.89	.85	.81	.79
4.0	.91	.82	.76	.89	.81	.75	.87	.80	.74	.84	.78	.73	.82	.77	.72	.70
5.0	.83	.74	.67	.82	.73	.67	.79	.72	.66	.77	.71	.66	.75	.69	.65	.63
6.0	.76	.67	.60	.75	.66	.60	.73	.65	.60	.71	.64	.59	.69	.63	.59	.57
7.0	.70	.61	.55	.69	.60	.54	.67	.60	.54	.66	.59	.54	.64	.58	.53	.51
8.0	.64	.56	.50	.64	.55	.49	.62	.55	.49	.61	.54	.49	.60	.53	.49	.47
9.0	.60	.51	.45	.59	.51	.45	.58	.50	.45	.57	.50	.45	.56	.49	.45	.43
10.0	.56	.47	.42	.55	.47	.42	.54	.47	.42	.53	.46	.41	.52	.46	.41	.39



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm					
NAME: 线条灯			TYPE:LED		WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝			DIM.: 60*600		SERIAL No.:
MFR.: JT			SUR.:0.06*0.6		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	.287	.163	.052	.279	.159	.051	.264	.151	.048	.250	.144	.046	.238	.138	.044		
2.0	.274	.150	.046	.267	.147	.045	.254	.141	.044	.242	.136	.043	.231	.131	.041		
3.0	.258	.137	.041	.252	.135	.041	.241	.130	.040	.230	.126	.039	.221	.122	.038		
4.0	.242	.126	.037	.237	.124	.037	.227	.120	.036	.218	.117	.035	.209	.114	.035		
5.0	.227	.116	.034	.223	.114	.033	.214	.111	.033	.206	.108	.032	.198	.106	.032		
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.194	.101	.030	.187	.099	.029		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.190	.093	.026	.186	.092	.026	.180	.090	.026	.174	.088	.025	.169	.087	.025		
9.0	.179	.087	.024	.177	.086	.024	.171	.084	.024	.166	.083	.024	.161	.082	.024		
10.0	.170	.082	.023	.167	.081	.023	.162	.080	.022	.158	.078	.022	.153	.077	.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	.220	.220	.220	.188	.188	.188	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.204	.181	.161	.174	.156	.139	.119	.107	.096	.069	.062	.056	.022	.020	.018	
2.0	.191	.153	.121	.163	.132	.105	.112	.091	.073	.065	.053	.043	.021	.017	.014	
3.0	.180	.132	.094	.154	.114	.081	.106	.079	.057	.061	.046	.034	.020	.015	.011	
4.0	.170	.116	.074	.146	.100	.065	.100	.070	.045	.058	.041	.027	.019	.013	.009	
5.0	.161	.103	.060	.138	.089	.053	.095	.062	.037	.055	.037	.022	.018	.012	.007	
6.0	.153	.093	.050	.132	.081	.044	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.085	.042	.125	.074	.037	.087	.052	.026	.050	.030	.016	.016	.010	.005	
8.0	.139	.078	.036	.120	.068	.032	.083	.048	.023	.048	.028	.013	.016	.009	.004	
9.0	.132	.072	.032	.114	.063	.028	.079	.044	.020	.046	.026	.012	.015	.009	.004	
10.0	.127	.067	.028	.109	.058	.024	.076	.041	.017	.044	.024	.010	.014	.008	.003	

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm										
NAME: 线条灯					TYPE:LED			WEIGHT:		
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝					DIM.: 60*600			SERIAL No.:		
MFR.: JT					SUR.:0.06*0.6			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.2	20.5	19.5	20.7	20.9	20.0	21.2	20.2	21.4	21.6
3H	19.9	21.0	20.1	21.3	21.5	20.6	21.8	20.9	22.0	22.3
4H	20.1	21.2	20.4	21.4	21.7	20.9	22.1	21.2	22.3	22.5
6H	20.3	21.3	20.6	21.6	21.9	21.2	22.3	21.5	22.5	22.8
8H	20.3	21.4	20.7	21.6	21.9	21.3	22.3	21.7	22.6	22.9
12H	20.4	21.3	20.7	21.6	21.9	21.4	22.4	21.7	22.6	22.9
4H 2H	19.5	20.6	19.8	20.9	21.1	20.1	21.3	20.4	21.5	21.7
3H	20.3	21.3	20.7	21.6	21.9	21.0	22.0	21.3	22.3	22.6
4H	20.7	21.6	21.0	21.9	22.2	21.4	22.3	21.8	22.6	22.9
6H	21.0	21.8	21.4	22.1	22.5	21.8	22.6	22.2	23.0	23.3
8H	21.1	21.8	21.5	22.2	22.6	22.0	22.7	22.4	23.1	23.5
12H	21.2	21.8	21.6	22.2	22.6	22.1	22.8	22.5	23.2	23.6
8H 4H	20.8	21.6	21.2	21.9	22.3	21.5	22.2	21.9	22.6	23.0
6H	21.3	21.9	21.7	22.3	22.7	22.1	22.7	22.5	23.1	23.5
8H	21.5	22.0	21.9	22.4	22.9	22.3	22.9	22.8	23.3	23.7
12H	21.6	22.0	22.1	22.5	23.0	22.5	23.0	23.0	23.4	23.9
12H 4H	20.8	21.5	21.3	21.9	22.3	21.5	22.2	21.9	22.6	22.9
6H	21.3	21.9	21.8	22.3	22.7	22.1	22.6	22.5	23.0	23.5
8H	21.6	22.0	22.0	22.5	22.9	22.4	22.8	22.9	23.3	23.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.6				
1.5H	+ 0.5 / - 0.6					+ 0.4 / - 0.4				
2.0H	+ 1.1 / - 0.9					+ 1.3 / - 0.9				

CIE Pub.117 Corrected 1442 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.3)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-04-12

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	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) $k(RI) \times RCR = 5$									
$k = 0.60$	79	68	62	79	68	61	77	67	61	55
0.80	90	80	73	89	79	73	88	78	72	66
1.00	99	89	82	98	88	82	96	89	81	74
1.25	106	97	90	105	96	90	102	94	89	82
1.50	111	102	96	109	101	95	106	99	94	87
2.00	117	109	104	115	108	103	111	106	101	93
2.50	120	113	108	118	112	107	114	109	105	96
3.00	123	117	112	121	115	111	117	112	108	100
4.00	127	122	117	124	120	116	120	116	113	103
5.00	129	124	121	126	122	119	121	118	115	106
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-04-12

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:

Conical surface Flux(90deg):

1214.8 lm

%lum = 72.8%

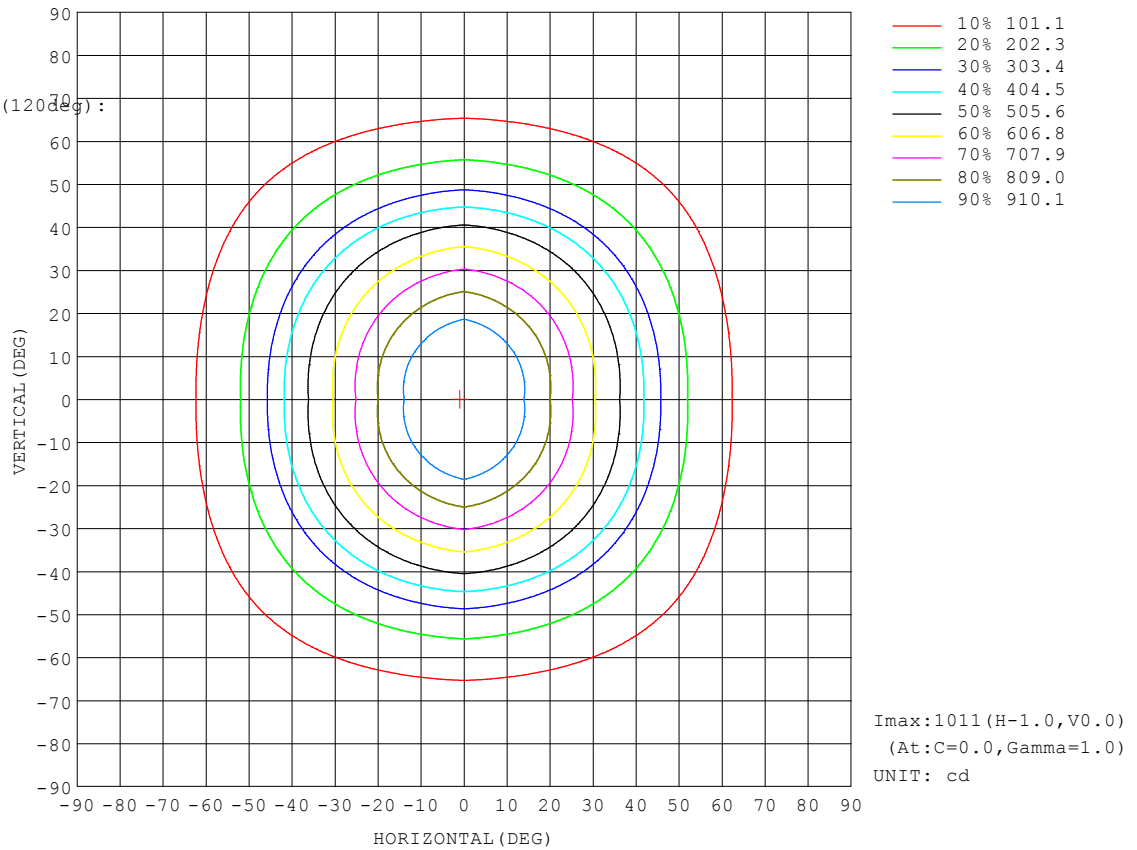
%lamp = 84.2%

Conical surface Flux(120deg):

1505.3 lm

%lum = 90.2%

%lamp = 104.4%

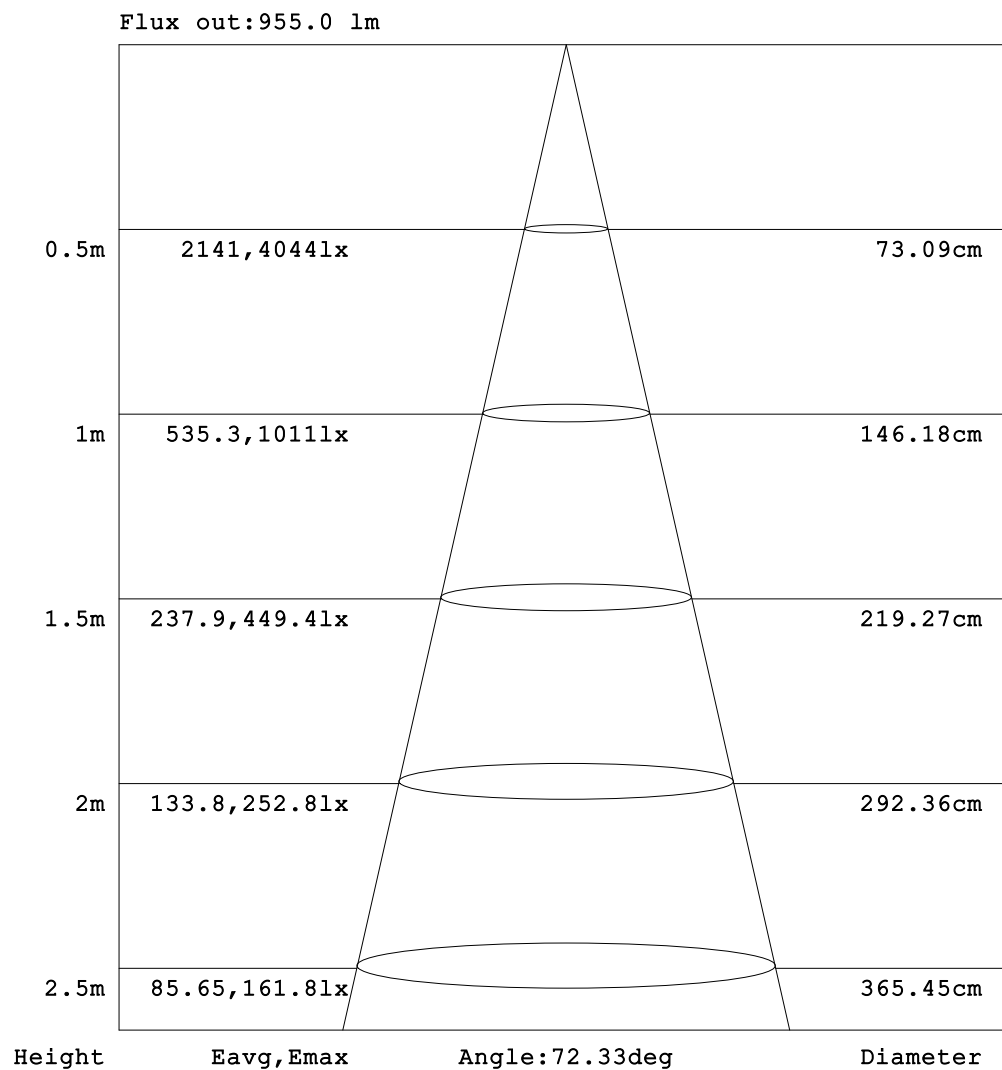


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:



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

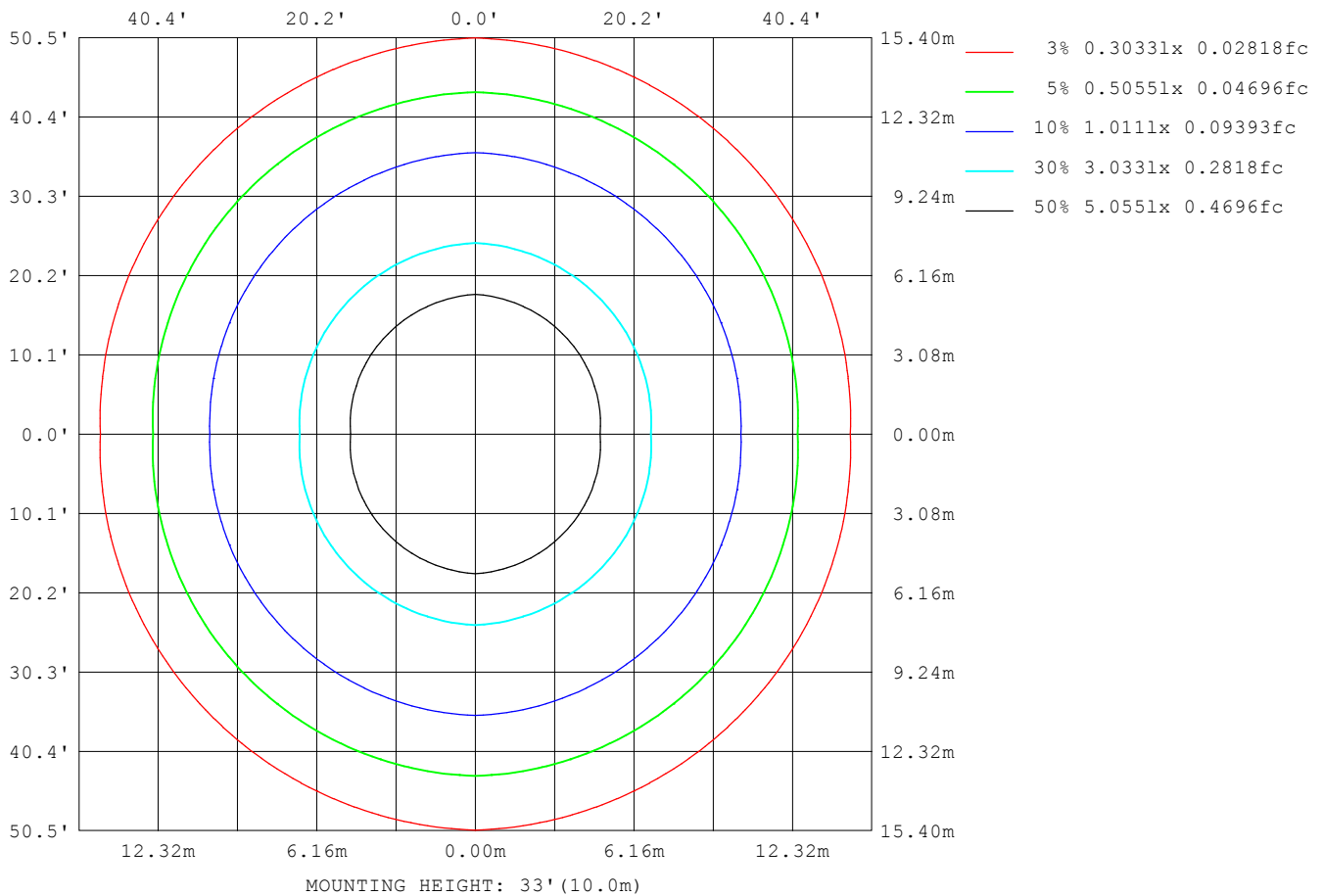
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:



## ISOLUX DIAGRAM

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:221.5V I:0.0681A P:13.59W PF:0.9012 Lamp Flux:1442.38x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:

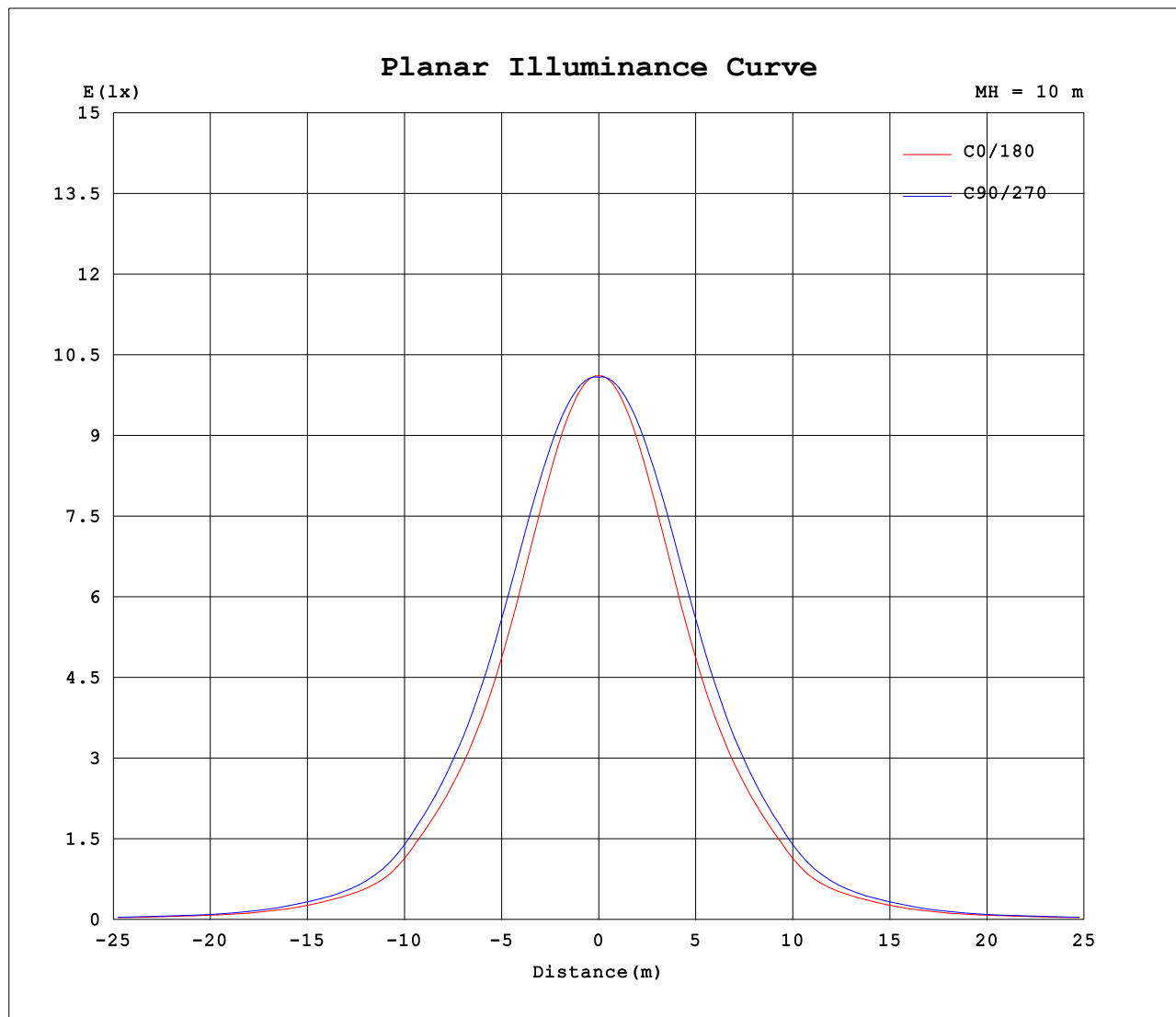
AvgL	cd/m2
L_0~180 (65) av	5766
L_0~180 (75) av	4347
L_0~180 (85) av	3276
L_90~270 (65) av	6774
L_90~270 (75) av	5695
L_90~270 (85) av	5015
L_45 (65) av	6396
L_45 (75) av	5190
L_45 (85) av	4363

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

```