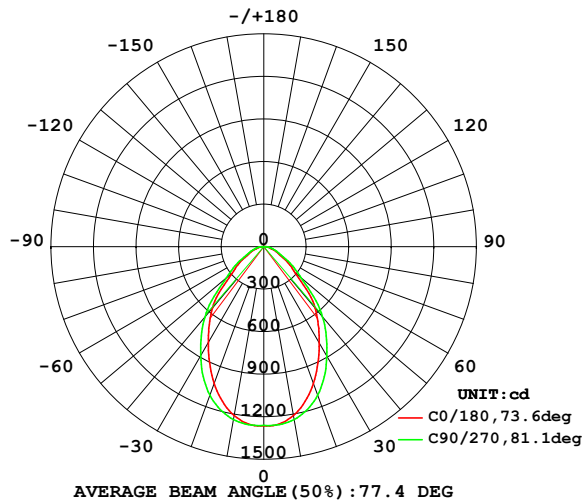


## LUMINAIRE PHOTOMETRIC TEST REPORT

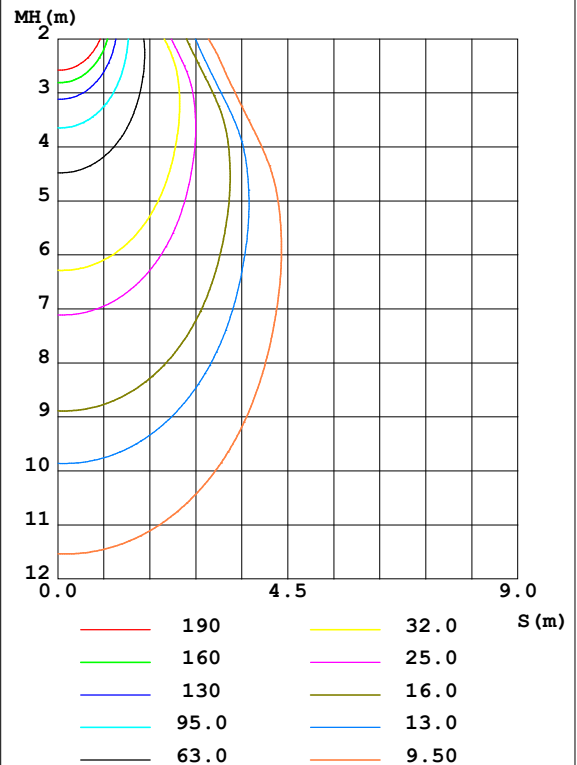
Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.73 lm/W			
MODEL	LSM 12-20CCT-silver	I <sub>max</sub> (cd)	1265	S/MH(C0/180)	0.99
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.09
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2111.5	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	2111.46	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down(%)	100.0	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: 7.560m [K=1.0450]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1209	1237	1209	1237					0- 10	118.9	118.9	5.63,5.63
20	1026	1114	1026	1114					10- 20	325.1	444.0	21,21
30	783.3	891.5	783.3	891.5					20- 30	439.6	883.6	41.9,41.9
40	563.2	645.5	563.2	645.5					30- 40	449.8	1333	63.2,63.2
50	289.6	346.7	289.6	346.7					40- 50	352.8	1686	79.9,79.9
60	156.1	183.7	156.1	183.7					50- 60	216.5	1903	90.1,90.1
70	83.65	97.21	83.65	97.21					60- 70	122.7	2025	95.9,95.9
80	35.56	44.95	35.56	44.95					70- 80	65.47	2091	99,99
90	0	1.284	0	1.284					80- 90	20.50	2111	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		

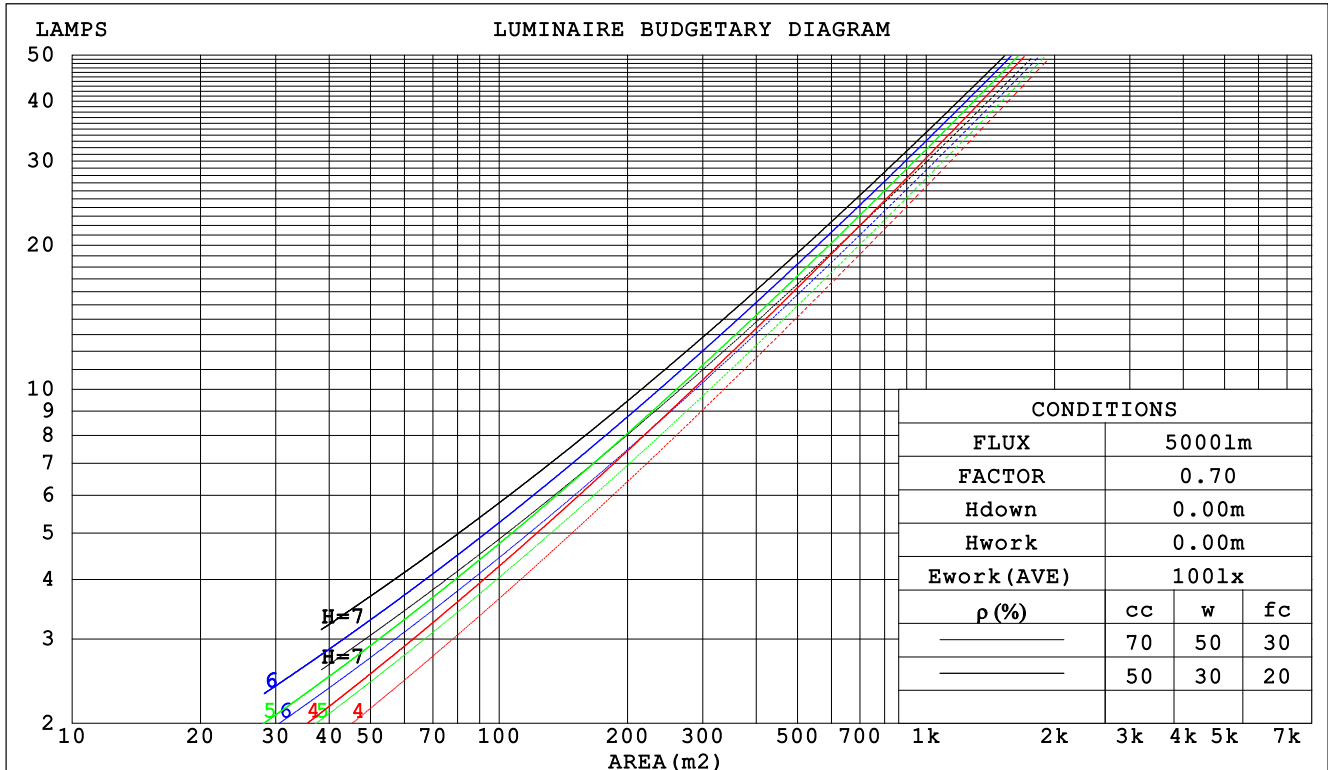
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.560m [K=1.0450]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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	1.19	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	.00
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.72	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.73	.67	.63	.71	.66	.62	.61
5.0	.71	.64	.58	.70	.63	.58	.68	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.65	.58	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.55	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.47	.57	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.39	.37
10.0	.48	.41	.36	.47	.41	.36	.46	.40	.36	.46	.40	.36	.45	.39	.36	.34



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:7.560m [K=1.0450]  
Remarks:

## WEC AND CCEC

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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	.249	.142	.045	.242	.138	.044	.229	.132	.042	.217	.125	.040	.206	.120	.039		
2.0	.238	.130	.040	.232	.128	.039	.221	.123	.038	.210	.118	.037	.201	.114	.036		
3.0	.224	.119	.036	.219	.117	.035	.209	.113	.034	.200	.109	.034	.191	.106	.033		
4.0	.210	.109	.032	.205	.107	.032	.197	.104	.031	.189	.101	.031	.181	.099	.030		
5.0	.197	.100	.029	.193	.099	.029	.185	.096	.028	.178	.094	.028	.172	.092	.028		
6.0	.185	.093	.027	.181	.092	.026	.175	.090	.026	.168	.087	.026	.162	.086	.025		
7.0	.174	.086	.024	.171	.085	.024	.165	.083	.024	.159	.082	.024	.154	.080	.024		
8.0	.164	.080	.023	.162	.080	.022	.156	.078	.022	.151	.077	.022	.146	.075	.022		
9.0	.155	.075	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	.139	.071	.020		
10.0	.147	.071	.020	.145	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.081	.133	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.147	.100	.064	.126	.087	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.114	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.044	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.103	.059	.027	.072	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.094	.051	.021	.065	.036	.015	.038	.021	.009	.012	.007	.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:7.560m [K=1.0450]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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	2H	20.1	21.4	20.4	21.6	21.8	20.7	22.0	21.0	22.2	22.4
	3H	20.8	22.0	21.1	22.2	22.4	21.4	22.6	21.7	22.8	23.0
	4H	21.0	22.2	21.3	22.4	22.6	21.7	22.8	22.0	23.1	23.3
	6H	21.2	22.3	21.6	22.6	22.8	22.0	23.0	22.3	23.3	23.6
	8H	21.3	22.3	21.6	22.6	22.9	22.1	23.1	22.4	23.4	23.7
	12H	21.4	22.3	21.7	22.6	22.9	22.2	23.1	22.5	23.4	23.7
4H	2H	20.4	21.5	20.7	21.8	22.0	20.9	22.0	21.2	22.3	22.5
	3H	21.3	22.2	21.6	22.5	22.8	21.8	22.8	22.1	23.1	23.3
	4H	21.6	22.5	22.0	22.8	23.1	22.2	23.1	22.6	23.4	23.7
	6H	21.9	22.7	22.3	23.1	23.4	22.6	23.4	23.0	23.8	24.1
	8H	22.1	22.8	22.5	23.2	23.5	22.8	23.5	23.2	23.9	24.3
	12H	22.2	22.8	22.6	23.2	23.6	22.9	23.6	23.3	24.0	24.4
8H	4H	21.8	22.5	22.2	22.8	23.2	22.3	23.0	22.7	23.4	23.8
	6H	22.2	22.8	22.7	23.2	23.7	22.9	23.5	23.3	23.9	24.3
	8H	22.4	23.0	22.9	23.4	23.8	23.1	23.7	23.6	24.1	24.5
	12H	22.6	23.1	23.1	23.5	24.0	23.3	23.8	23.8	24.2	24.7
12H	4H	21.8	22.4	22.2	22.8	23.2	22.3	23.0	22.7	23.4	23.8
	6H	22.3	22.8	22.7	23.2	23.7	22.9	23.4	23.4	23.9	24.3
	8H	22.5	23.0	23.0	23.4	23.9	23.2	23.6	23.7	24.1	24.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.6					
1.5H	+ 0.4 / - 0.6					+ 0.4 / - 0.4					
2.0H	+ 1.1 / - 0.8					+ 1.2 / - 0.9					

CIE Pub.117 Corrected 2111 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.6)

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:7.560m [K=1.0450]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	59	53	67	58	53	47
0.80	78	69	63	77	68	63	76	68	62	56
1.00	85	77	71	84	76	71	82	77	70	64
1.25	92	83	78	90	83	77	88	81	77	71
1.50	96	88	83	94	87	82	92	86	81	75
2.00	101	94	89	99	93	89	96	91	87	80
2.50	104	98	93	102	97	92	99	94	90	83
3.00	106	101	97	104	100	96	101	97	94	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	108	104	109	106	103	105	102	100	91
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: 7.560m [K=1.0450]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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):

1532.2 lm

%lum = 72.6%

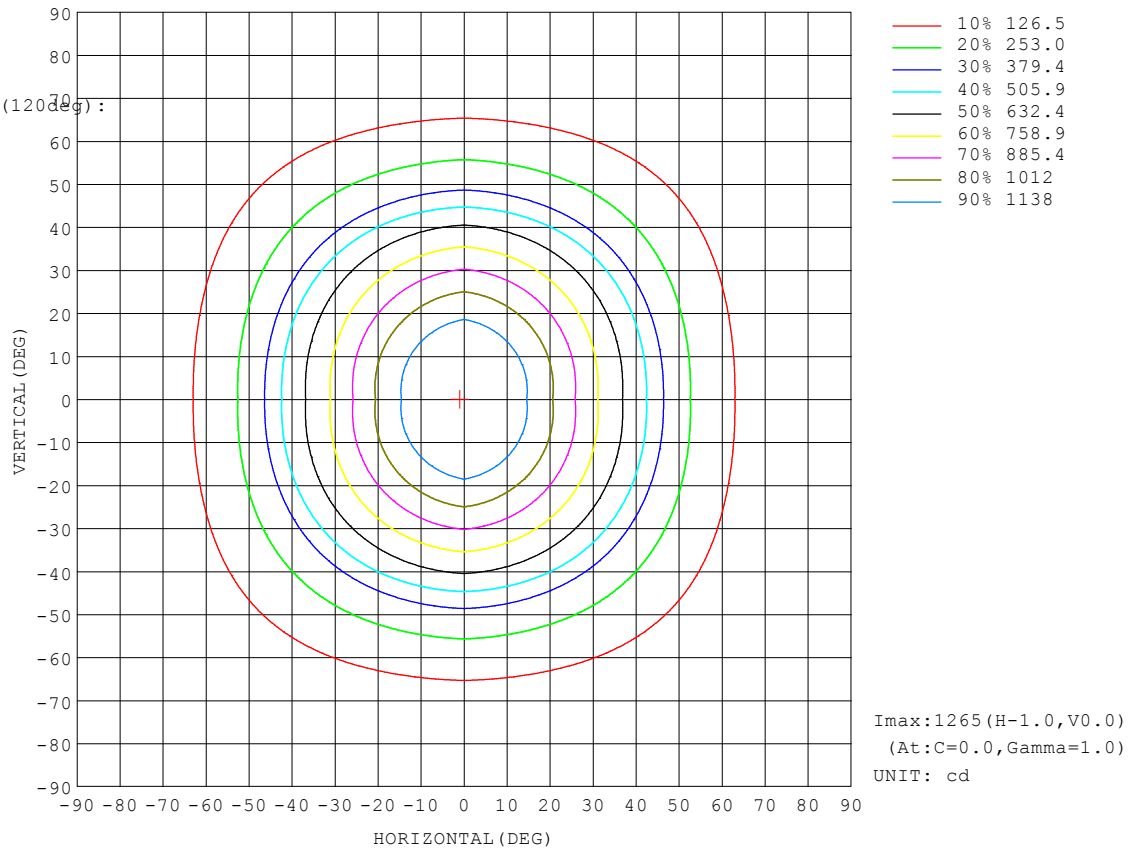
%lamp = 72.6%

Conical surface Flux(120deg):

1902.8 lm

%lum = 90.1%

%lamp = 90.1%

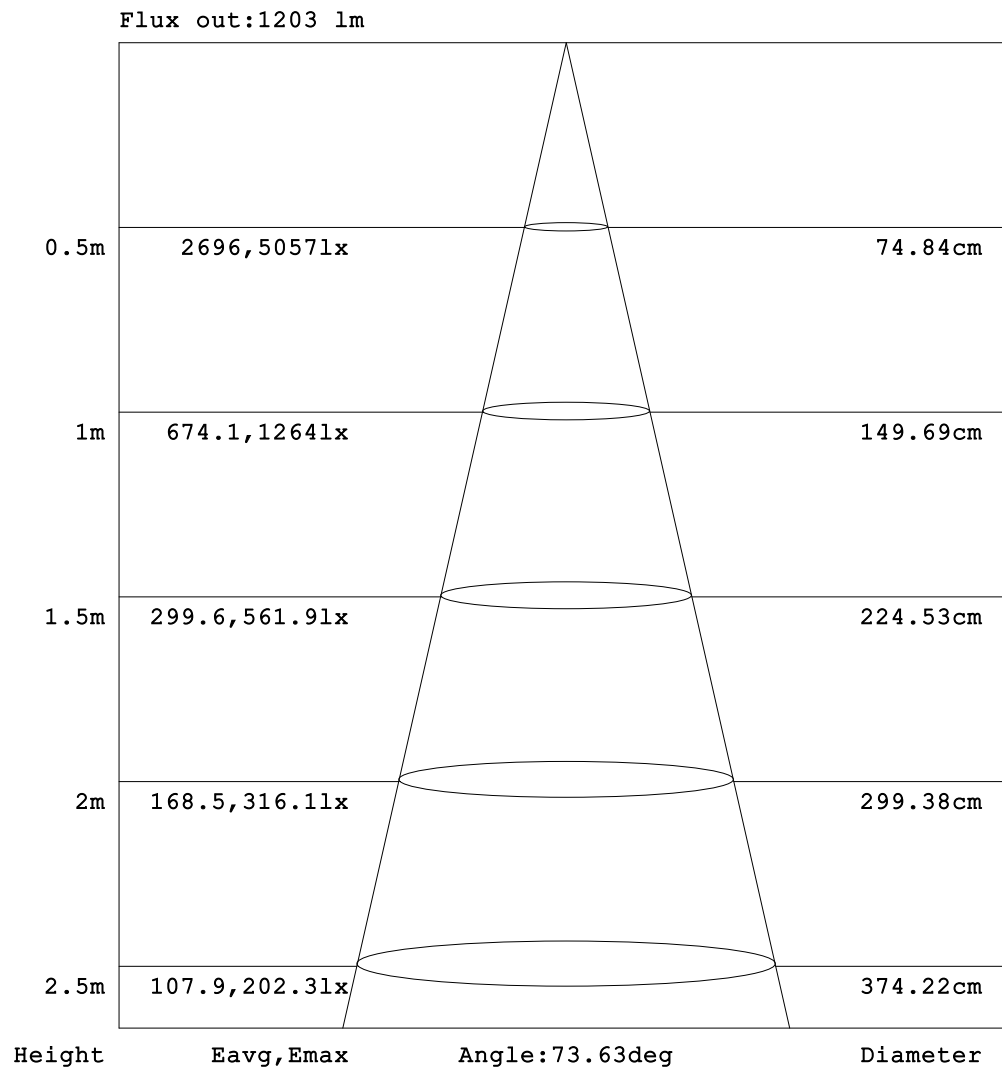


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.560m [K=1.0450]  
Remarks:

## AAI Figure

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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.

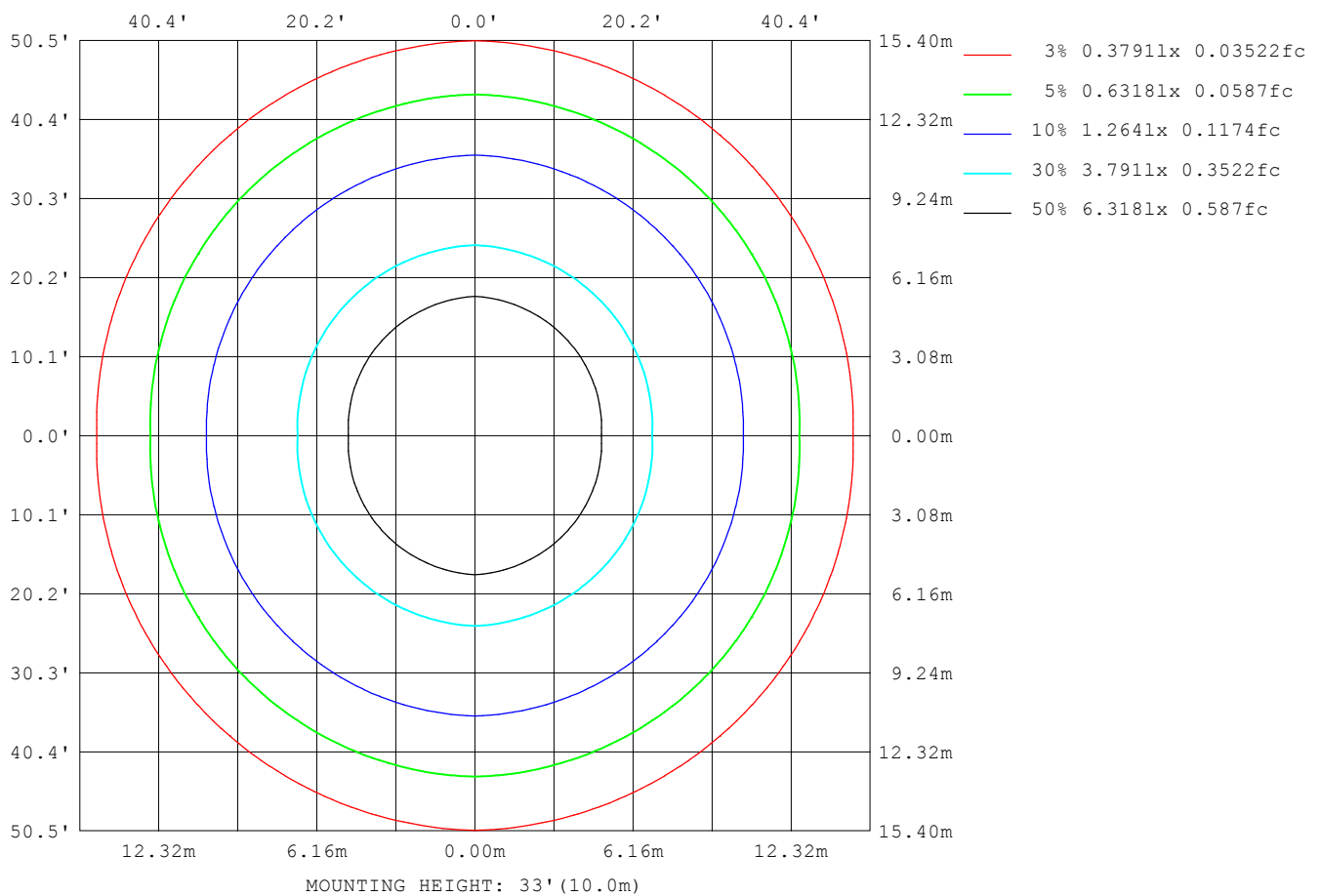
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-04-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 7.560m [K=1.0450]  
 Remarks:



## ISOLUX DIAGRAM

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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:7.560m [K=1.0450]  
Remarks:

## LED Avg.L Report

Test:U:221.5V I:0.0843A P:16.93W PF:0.9068 Lamp Flux:2111.46x1 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:

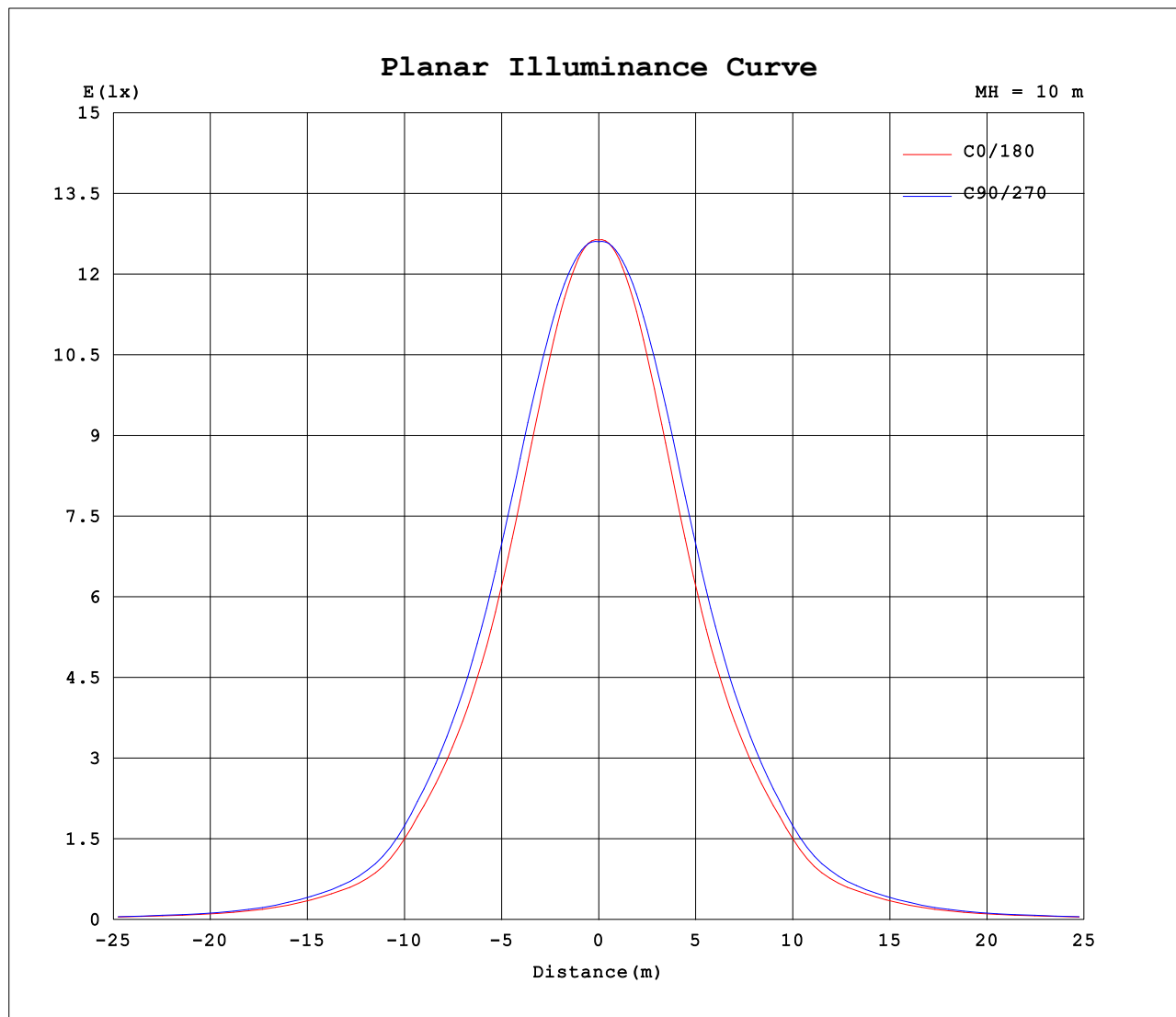
AvgL	cd/m2
L_0~180 (65) av	7448
L_0~180 (75) av	5693
L_0~180 (85) av	5012
L_90~270 (65) av	8478
L_90~270 (75) av	7150
L_90~270 (85) av	6368
L_45 (65) av	8092
L_45 (75) av	6603
L_45 (85) av	5859

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:7.560m [K=1.0450]  
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: 7.560m [K=1.0450]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.560m [K=1.0450]
Remarks:

```