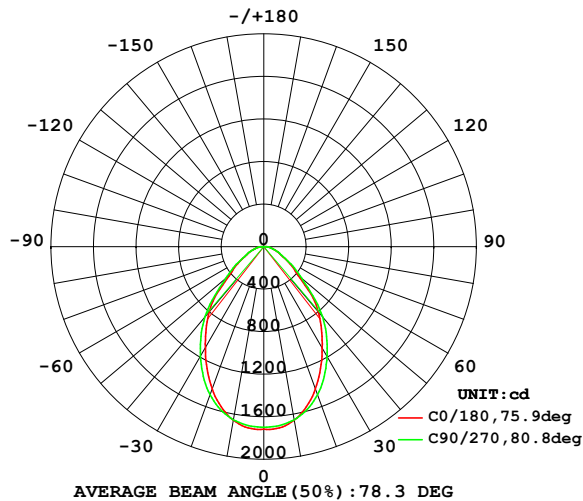


## LUMINAIRE PHOTOMETRIC TEST REPORT

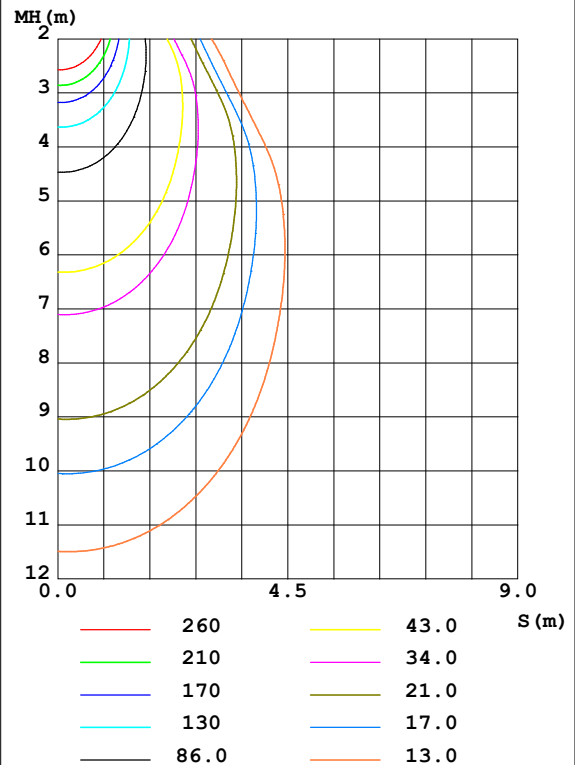
Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.61 lm/W			
MODEL	LSM 32-50CCT-silver	Imax(cd)	1719	S/MH(C0/180)	1.01
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.08
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2925.1	$\eta$ UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	2925.08	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	$\eta$ 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:2023-04-11

$\gamma$  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=1.0040]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1656	1653	1656	1653					0- 10	160.8	160.8	5.5,5.5
20	1423	1481	1423	1481					10- 20	440.4	601.2	20.6,20.6
30	1101	1191	1101	1191					20- 30	598.9	1200	41,41
40	798.9	862.9	798.9	862.9					30- 40	617.2	1817	62.1,62.1
50	427.7	467.6	427.7	467.6					40- 50	489.7	2307	78.9,78.9
60	236.8	244.9	236.8	244.9					50- 60	304.3	2611	89.3,89.3
70	133.7	133.6	133.7	133.6					60- 70	177.7	2789	95.3,95.3
80	63.95	64.22	63.95	64.22					70- 80	101.8	2891	98.8,98.8
90	3.731	0.3098	3.731	0.3098					80- 90	34.34	2925	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		

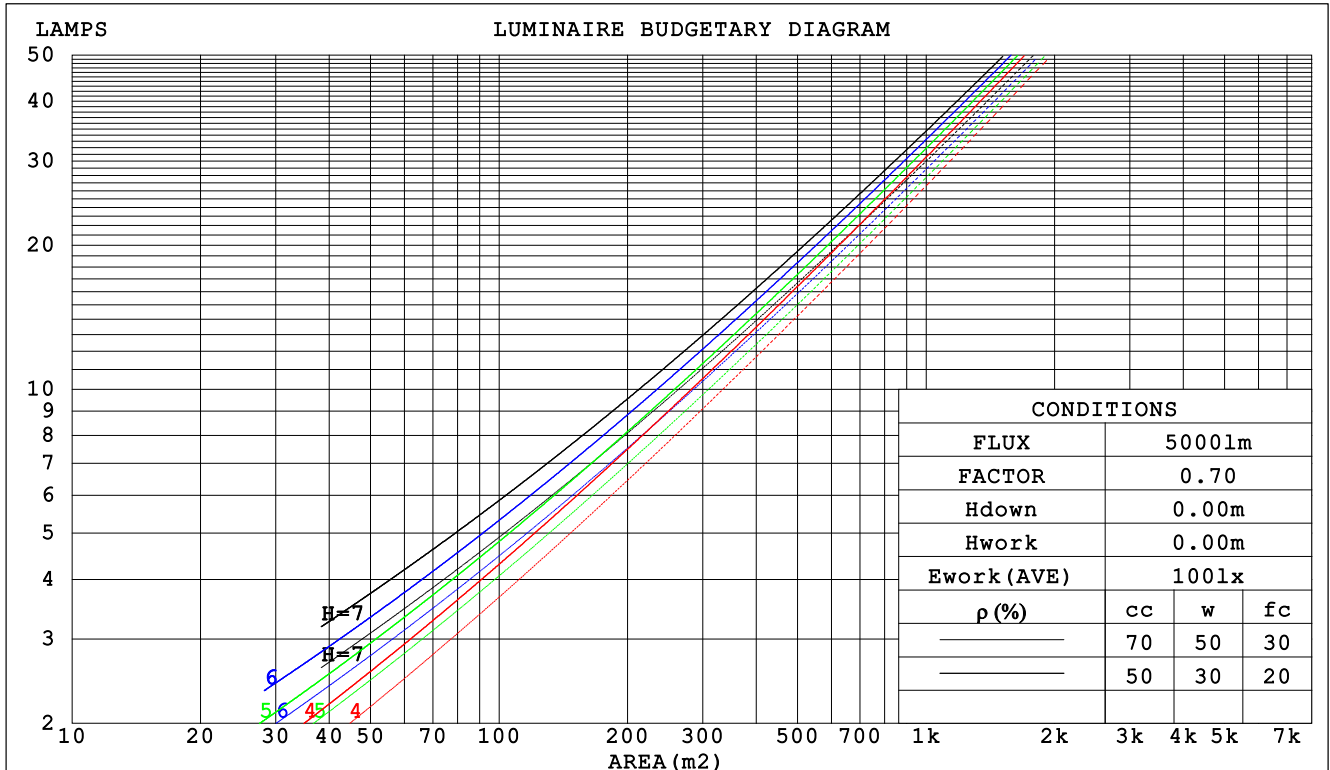
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-11

$\gamma$  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=1.0040]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.07	1.03	1.00	1.05	1.01	.98	1.00	.98	.95	.97	.94	.92	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.74	.71	.77	.73	.69	.67
4.0	.78	.70	.65	.77	.70	.64	.74	.68	.63	.72	.67	.63	.70	.65	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.56	.51	.61	.55	.50	.59	.54	.50	.48
7.0	.60	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9.0	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-11

$\gamma$  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=1.0040]  
Remarks:

## WEC AND CCEC

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm					
NAME: 线条灯			TYPE:LED		WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝			DIM.: 60*75*1200		SERIAL No.:
MFR.: JT			SUR.:0.6*0.75*0.12		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	.255	.145	.046	.248	.141	.045	.235	.135	.043	.223	.128	.041	.212	.123	.040			
2.0	.242	.133	.041	.236	.130	.040	.225	.125	.039	.214	.120	.038	.205	.116	.037			
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.108	.033			
4.0	.212	.110	.032	.208	.109	.032	.199	.106	.032	.191	.103	.031	.184	.100	.030			
5.0	.199	.101	.029	.195	.100	.029	.187	.098	.029	.180	.095	.028	.174	.093	.028			
6.0	.187	.094	.027	.183	.093	.027	.176	.090	.026	.170	.088	.026	.164	.086	.026			
7.0	.176	.087	.025	.172	.086	.024	.166	.084	.024	.161	.082	.024	.155	.081	.024			
8.0	.166	.081	.023	.163	.080	.023	.157	.079	.022	.152	.077	.022	.147	.076	.022			
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.140	.071	.021			
10.0	.148	.071	.020	.146	.071	.020	.142	.069	.020	.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	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.080	.134	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.148	.100	.064	.127	.087	.055	.087	.060	.039	.050	.035	.023	.016	.012	.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	.037	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.075	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.014	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.051	.021	.066	.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:2023-04-11

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=1.0040]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm											
NAME: 线条灯					TYPE:LED			WEIGHT:			
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝					DIM.: 60*75*1200			SERIAL No.:			
MFR.: JT					SUR.:0.6*0.75*0.12			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	20.4	21.7	20.6	21.9	22.0
	3H	20.9	22.1	21.2	22.3	22.5	21.1	22.3	21.4	22.5	22.7
	4H	21.2	22.4	21.5	22.6	22.9	21.4	22.5	21.7	22.8	23.0
	6H	21.6	22.6	21.9	22.9	23.2	21.7	22.8	22.0	23.0	23.3
	8H	21.7	22.7	22.0	23.0	23.3	21.8	22.9	22.2	23.1	23.4
	12H	21.8	22.8	22.2	23.1	23.4	21.9	22.9	22.3	23.2	23.5
4H	2H	20.4	21.5	20.7	21.8	22.0	20.6	21.7	20.9	22.0	22.2
	3H	21.4	22.3	21.7	22.6	22.9	21.5	22.5	21.9	22.8	23.1
	4H	21.9	22.8	22.2	23.1	23.4	22.0	22.9	22.3	23.2	23.5
	6H	22.3	23.1	22.7	23.5	23.8	22.4	23.2	22.8	23.6	23.9
	8H	22.5	23.3	23.0	23.6	24.0	22.6	23.4	23.0	23.7	24.1
	12H	22.7	23.4	23.1	23.8	24.2	22.8	23.4	23.2	23.8	24.2
8H	4H	22.0	22.8	22.4	23.1	23.5	22.1	22.9	22.5	23.2	23.6
	6H	22.7	23.3	23.1	23.7	24.1	22.8	23.4	23.2	23.8	24.2
	8H	23.0	23.5	23.4	23.9	24.4	23.0	23.6	23.5	24.0	24.5
	12H	23.2	23.7	23.7	24.2	24.6	23.3	23.7	23.7	24.2	24.6
12H	4H	22.0	22.7	22.5	23.1	23.5	22.2	22.8	22.6	23.2	23.6
	6H	22.7	23.3	23.2	23.7	24.1	22.8	23.4	23.3	23.8	24.2
	8H	23.1	23.5	23.6	24.0	24.5	23.1	23.6	23.6	24.1	24.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5					
1.5H	+ 0.3 / - 0.4					+ 0.4 / - 0.3					
2.0H	+ 1.0 / - 0.6					+ 1.0 / - 0.7					

CIE Pub.117 Corrected 2925 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-04-11

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=1.0040]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	47
0.80	77	68	62	77	68	62	75	67	61	56
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	87	82	94	87	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	86	80
2.50	104	97	93	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	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:2023-04-11

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=1.0040]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	Shielding Angle:

Conical surface Flux(90deg):

2090.9 lm

%lum = 71.5%

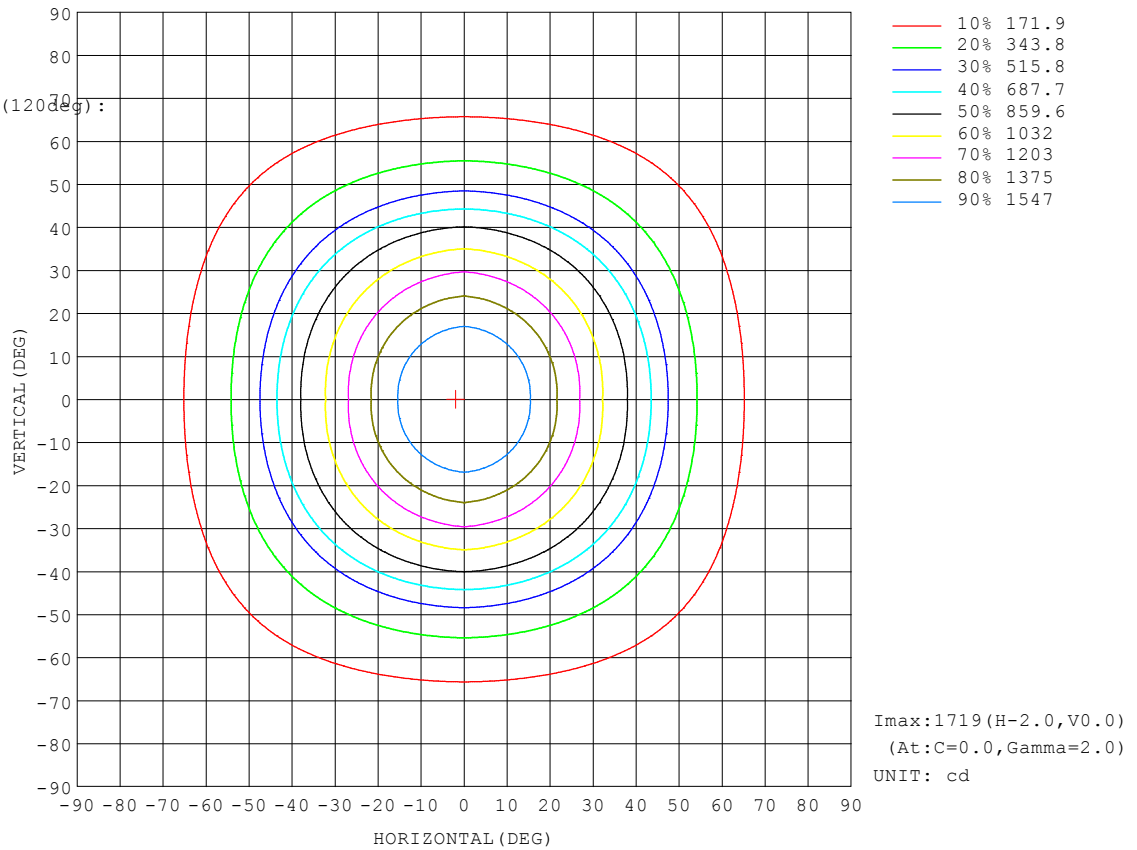
%lamp = 71.5%

Conical surface Flux(120deg):

2611.2 lm

%lum = 89.3%

%lamp = 89.3%

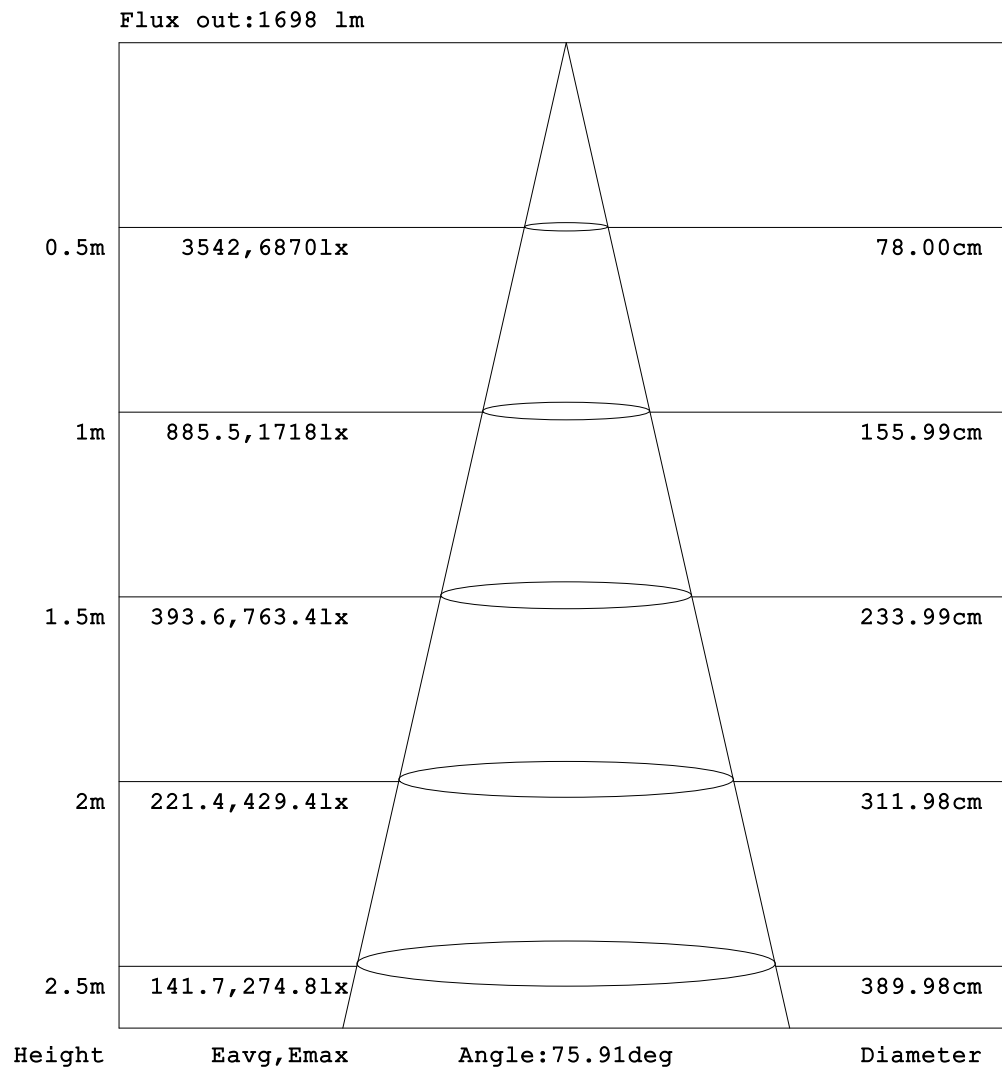


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-11

$\gamma$  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=1.0040]  
Remarks:

## AAI Figure

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	Shielding Angle:



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

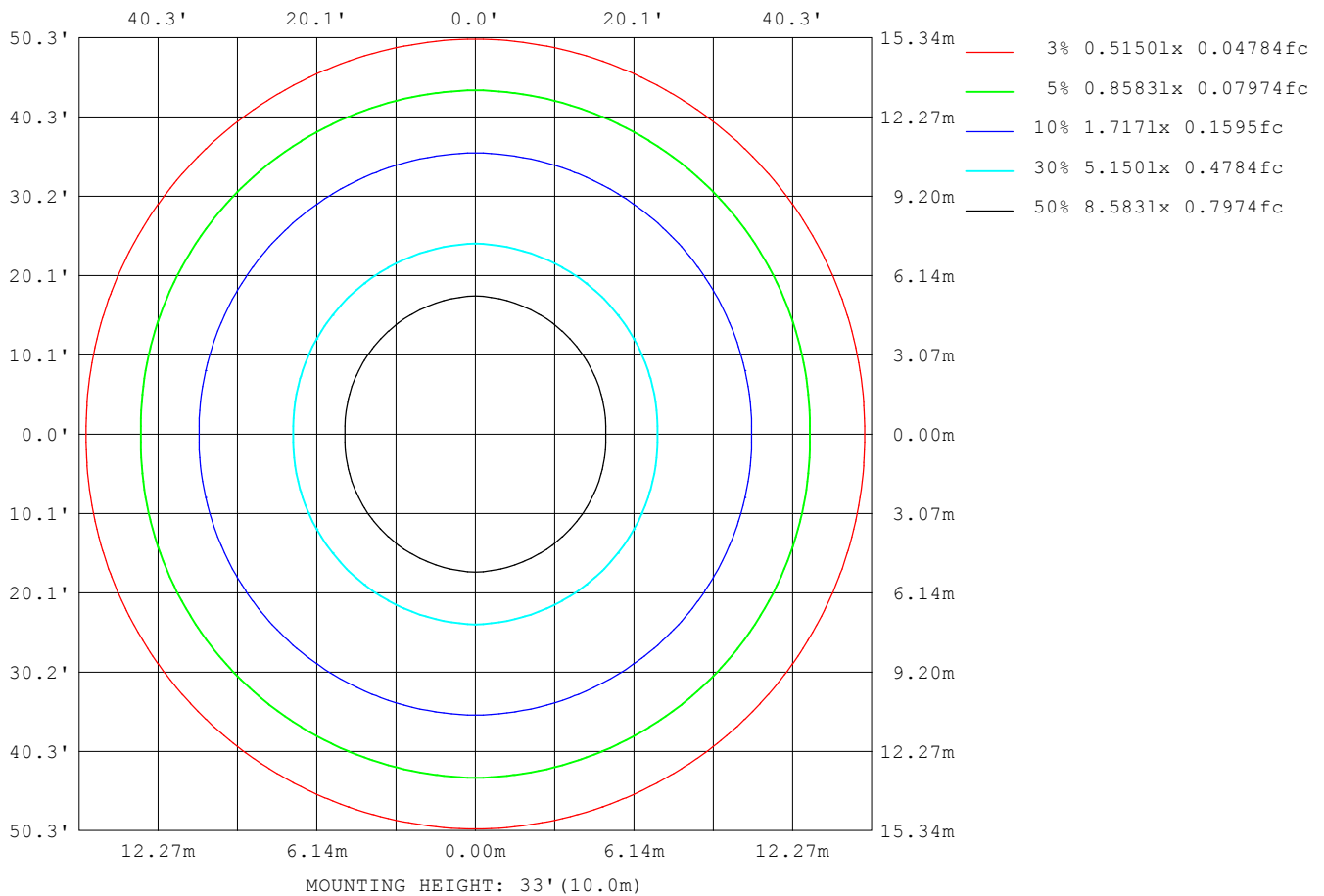
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-04-11

$\gamma$  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=1.0040]  
 Remarks:



## ISOLUX DIAGRAM

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-11

$\gamma$  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=1.0040]  
Remarks:

## LED Avg.L Report

Test:U:221.2V I:0.1154A P:24.25W PF:0.9500 Lamp Flux:2925.08x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE1200LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*75*1200	SERIAL No.:
MFR.: JT	SUR.:0.6*0.75*0.12	Shielding Angle:

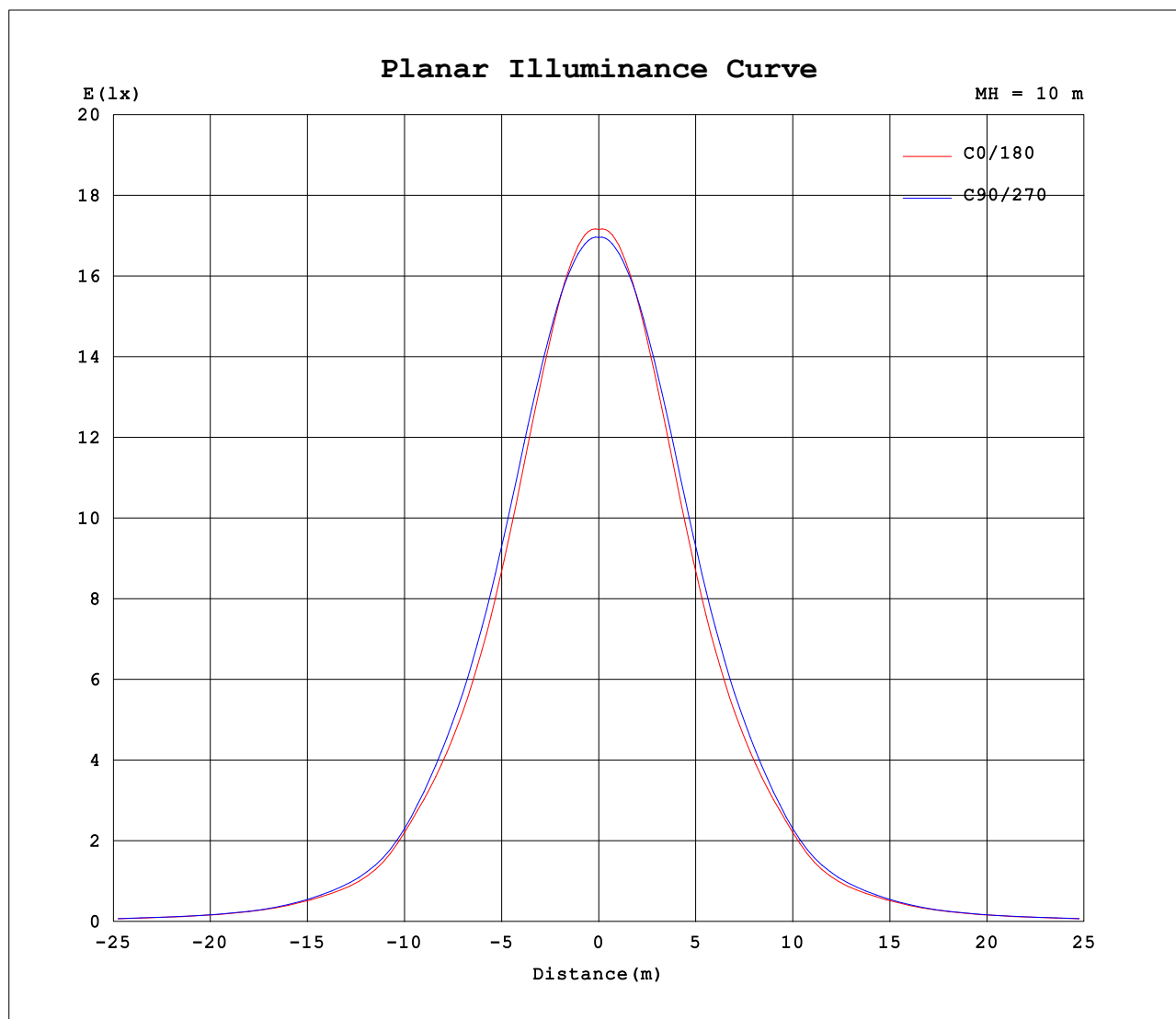
AvgL	cd/m2
L_0~180 (65) av	7590
L_0~180 (75) av	6793
L_0~180 (85) av	7137
L_90~270 (65) av	7808
L_90~270 (75) av	6744
L_90~270 (85) av	6092
L_45 (65) av	7726
L_45 (75) av	6762
L_45 (85) av	6484

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-04-11

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=1.0040]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-04-11

$\gamma$  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=1.0040]  
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=1.0040]
Remarks:

```