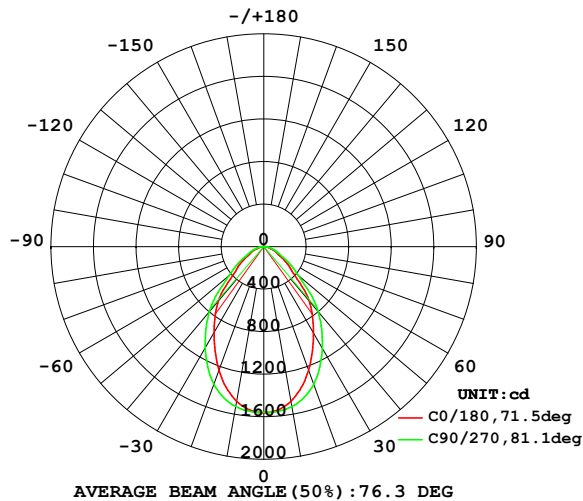


LUMINAIRE PHOTOMETRIC TEST REPORT

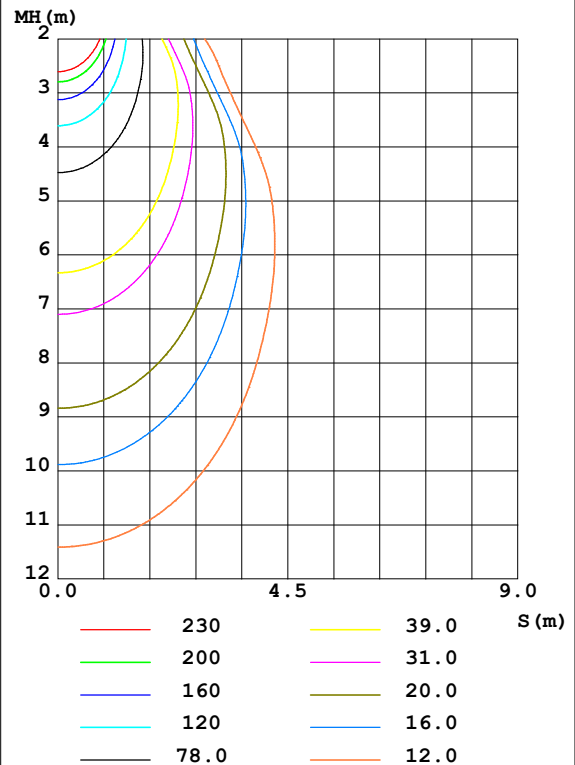
Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 lm		
NAME: 线条灯	TYPE:LED	WEIGHT:
SPEC.:LI-JE600LM/W-CCT-SL-下发光-小蜂窝	DIM.: 60*600	SERIAL No.:
MFR.: JT	SUR.:0.06*0.6	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.85 lm/W			
MODEL	LSM 12-20CCT-silver	I _{max} (cd)	1562	S/MH(C0/180)	0.96
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.09
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2554.7	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	2554.68	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=1.0476]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	1476	1526	1476	1526					0- 10	146.2	146.2	5.72, 5.72
20	1236	1375	1236	1375					10- 20	397.7	544.0	21.3, 21.3
30	936.5	1101	936.5	1101					20- 30	535.3	1079	42.2, 42.2
40	664.6	797.3	664.6	797.3					30- 40	546.2	1625	63.6, 63.6
50	334.9	428.0	334.9	428.0					40- 50	420.9	2046	80.1, 80.1
60	176.6	226.9	176.6	226.9					50- 60	259.3	2306	90.3, 90.3
70	97.30	120.2	97.30	120.2					60- 70	147.6	2453	96, 96
80	39.04	55.63	39.04	55.63					70- 80	78.32	2532	99.1, 99.1
90	0	1.692	0	1.692					80- 90	23.01	2555	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		

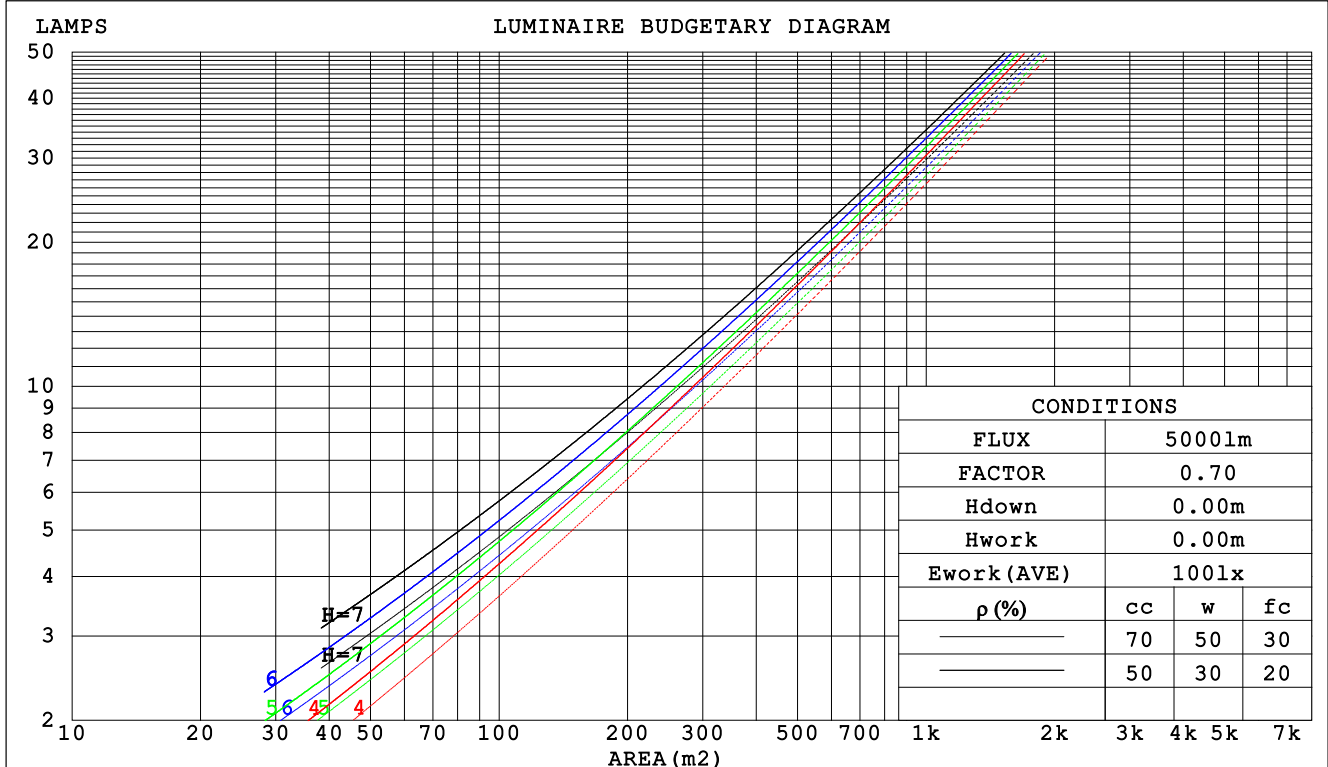
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-04-12

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=1.0476]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.91	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.74	.70	.68
4.0	.79	.71	.66	.77	.70	.65	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5.0	.72	.64	.58	.71	.63	.58	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.52	.61	.56	.51	.60	.55	.51	.49
7.0	.60	.53	.47	.60	.52	.47	.58	.52	.47	.57	.51	.46	.55	.50	.46	.44
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.43	.53	.47	.42	.52	.46	.42	.40
9.0	.52	.44	.39	.51	.44	.39	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.36	.34



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=1.0476]
Remarks:

WEC AND CCEC

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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	.248	.141	.045	.241	.137	.044	.228	.131	.042	.216	.125	.040	.205	.119	.038		
2.0	.237	.130	.040	.231	.127	.039	.220	.122	.038	.209	.117	.037	.200	.113	.036		
3.0	.223	.119	.036	.218	.117	.035	.208	.113	.034	.199	.109	.033	.190	.105	.033		
4.0	.209	.109	.032	.204	.107	.032	.196	.104	.031	.188	.101	.030	.180	.098	.030		
5.0	.196	.100	.029	.192	.099	.029	.185	.096	.028	.177	.094	.028	.171	.091	.027		
6.0	.184	.092	.026	.181	.091	.026	.174	.089	.026	.168	.087	.026	.162	.085	.025		
7.0	.174	.086	.024	.170	.085	.024	.164	.083	.024	.159	.081	.024	.153	.080	.023		
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.151	.076	.022	.146	.075	.022		
9.0	.155	.075	.021	.152	.074	.021	.148	.073	.021	.143	.072	.021	.139	.070	.020		
10.0	.147	.070	.020	.145	.070	.019	.140	.069	.019	.136	.068	.019	.132	.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	.155	.114	.081	.133	.098	.070	.091	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.064	.126	.086	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.120	.077	.045	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.081	.043	.114	.070	.038	.078	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.103	.059	.027	.071	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.114	.063	.027	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.109	.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=1.0476]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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	20.6	21.9	20.9	22.1	22.3	21.5	22.7	21.7	22.9	23.1
	3H	21.3	22.5	21.5	22.7	22.9	22.1	23.3	22.4	23.5	23.8
	4H	21.5	22.6	21.8	22.9	23.1	22.5	23.6	22.8	23.8	24.1
	6H	21.7	22.7	22.0	23.0	23.3	22.7	23.8	23.1	24.0	24.3
	8H	21.7	22.8	22.1	23.0	23.3	22.8	23.9	23.2	24.1	24.4
	12H	21.8	22.7	22.1	23.0	23.3	22.9	23.9	23.3	24.2	24.5
4H	2H	20.9	22.0	21.2	22.3	22.5	21.6	22.7	21.9	23.0	23.2
	3H	21.7	22.7	22.1	23.0	23.3	22.5	23.5	22.8	23.8	24.1
	4H	22.1	23.0	22.5	23.3	23.6	22.9	23.8	23.3	24.1	24.4
	6H	22.4	23.2	22.8	23.5	23.9	23.4	24.1	23.7	24.5	24.8
	8H	22.5	23.2	22.9	23.6	24.0	23.5	24.3	23.9	24.6	25.0
	12H	22.6	23.2	23.0	23.6	24.0	23.6	24.3	24.1	24.7	25.1
8H	4H	22.2	23.0	22.7	23.3	23.7	23.0	23.8	23.4	24.1	24.5
	6H	22.7	23.3	23.1	23.7	24.1	23.6	24.2	24.0	24.6	25.0
	8H	22.9	23.4	23.3	23.8	24.3	23.8	24.4	24.3	24.8	25.2
	12H	23.0	23.4	23.4	23.9	24.3	24.0	24.5	24.5	24.9	25.4
12H	4H	22.3	22.9	22.7	23.3	23.7	23.0	23.7	23.4	24.1	24.5
	6H	22.7	23.3	23.2	23.7	24.1	23.6	24.1	24.1	24.6	25.0
	8H	23.0	23.4	23.4	23.8	24.3	23.9	24.3	24.4	24.8	25.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.7					+ 0.5 / - 0.6					
1.5H	+ 0.5 / - 0.7					+ 0.4 / - 0.4					
2.0H	+ 1.0 / - 1.0					+ 1.3 / - 0.9					

CIE Pub.117 Corrected 2555 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.3)

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:7.560m [K=1.0476]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	53	68	59	53	67	58	53	48
0.80	78	69	63	77	69	63	76	68	62	57
1.00	86	77	71	85	76	71	83	77	70	65
1.25	92	84	78	90	83	78	88	82	77	71
1.50	96	88	83	94	87	82	92	86	81	75
2.00	101	95	90	99	93	89	96	91	87	81
2.50	104	98	93	102	97	92	99	94	91	83
3.00	107	101	97	105	100	96	101	97	94	86
4.00	110	105	102	107	103	100	103	100	98	89
5.00	111	108	105	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=1.0476]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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):

1863.4 lm

%lum = 72.9%

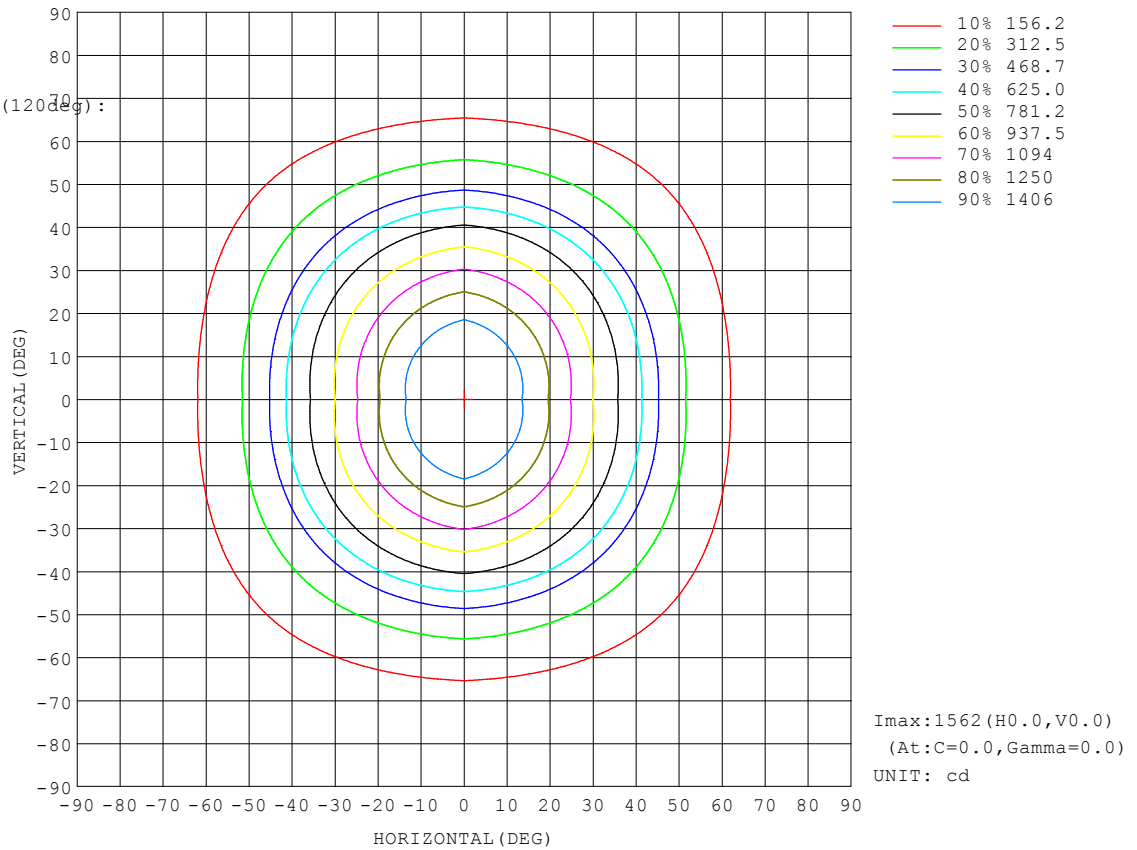
%lamp = 72.9%

Conical surface Flux(120deg):

2305.8 lm

%lum = 90.3%

%lamp = 90.3%

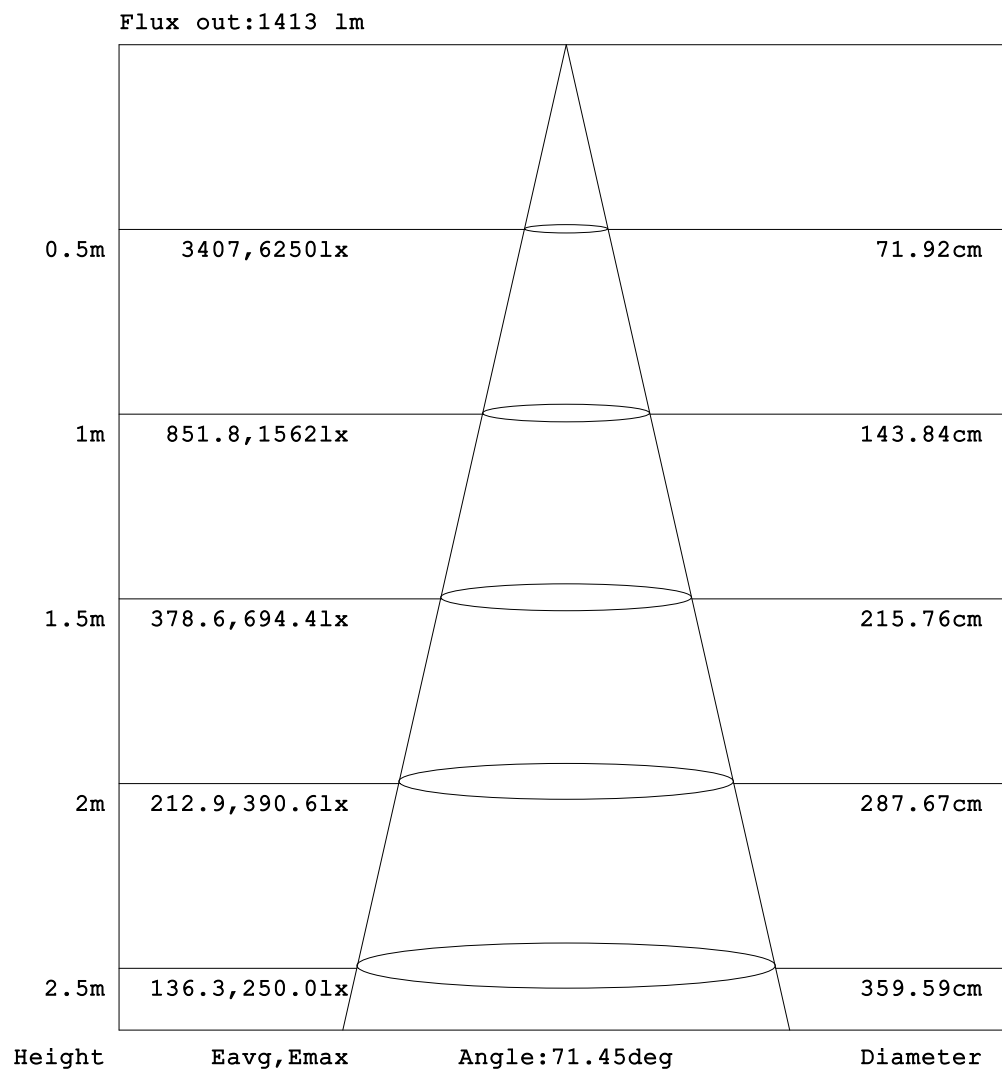


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-04-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.560m [K=1.0476]
Remarks:

AAI Figure

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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:



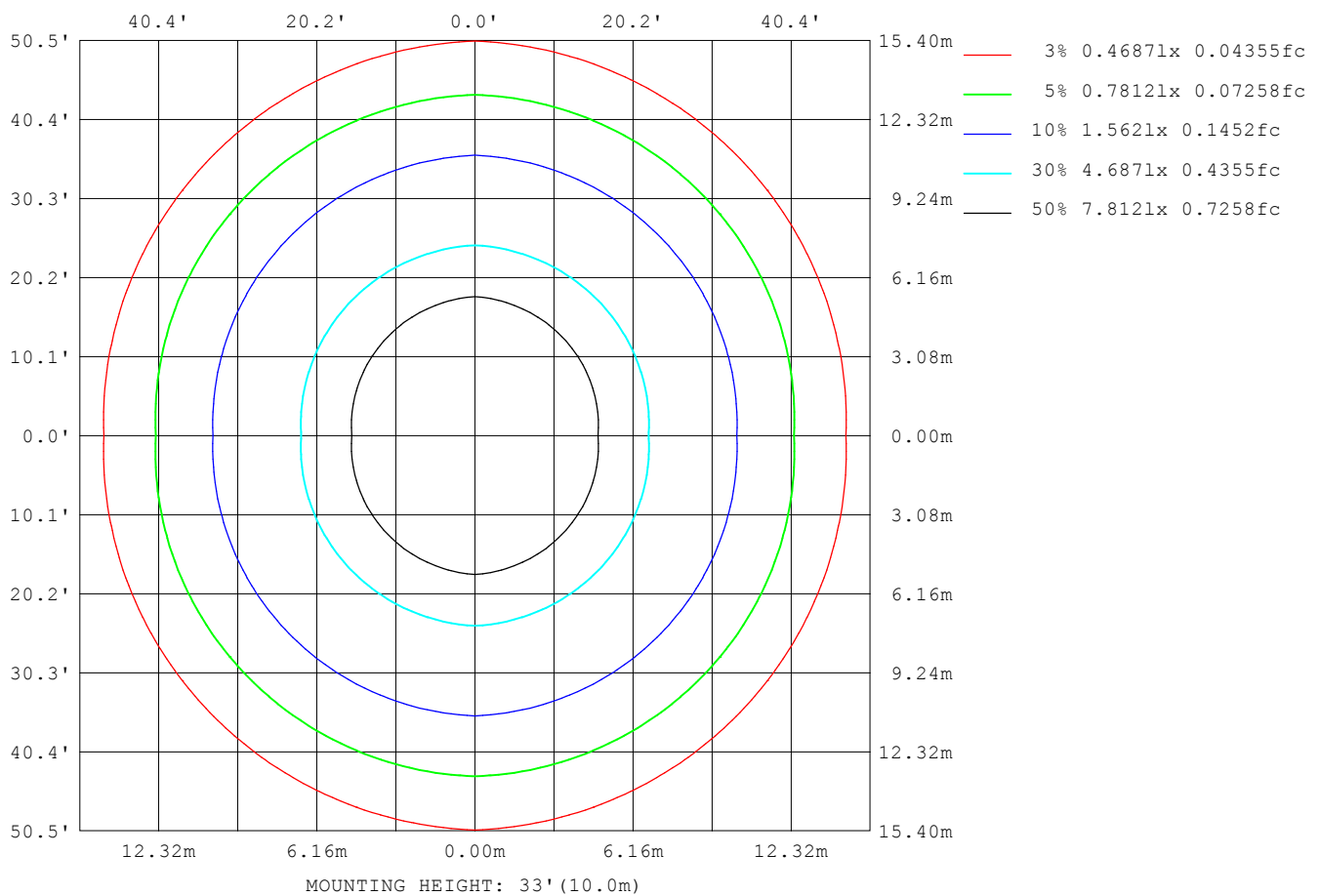
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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=1.0476]
Remarks:

ISOLUX DIAGRAM

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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

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=1.0476]
Remarks:

LED Avg.L Report

Test:U:221.6V I:0.0998A P:20.63W PF:0.9329 Lamp Flux:2554.68x1 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:

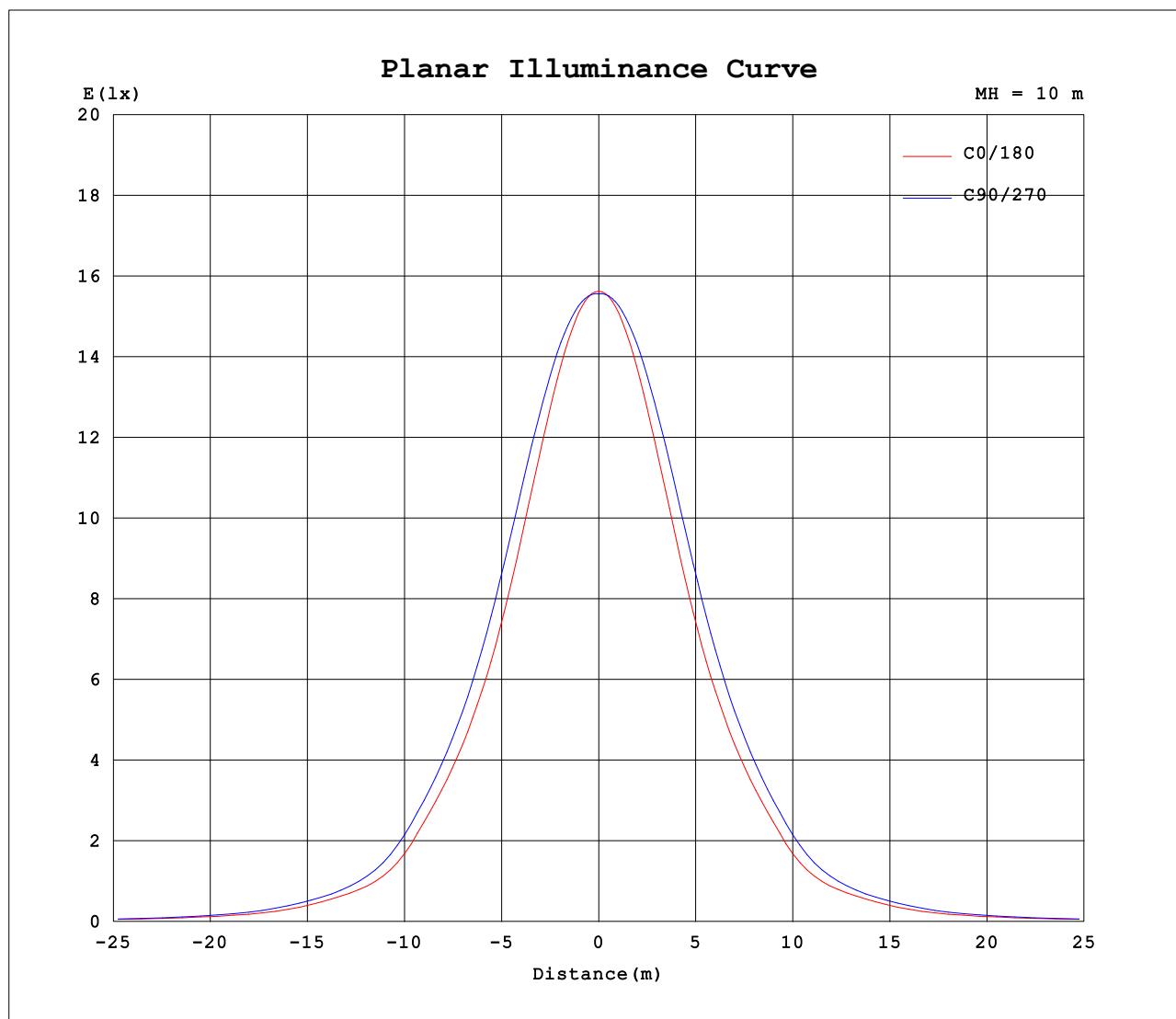
AvgL	cd/m2
L_0~180 (65) av	8757
L_0~180 (75) av	6541
L_0~180 (85) av	4515
L_90~270 (65) av	10485
L_90~270 (75) av	8849
L_90~270 (85) av	7874
L_45 (65) av	9837
L_45 (75) av	7983
L_45 (85) av	6614

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=1.0476]
Remarks:

Planar Illuminance Curve



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=1.0476]
Remarks:

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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=1.0476]
Remarks:

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