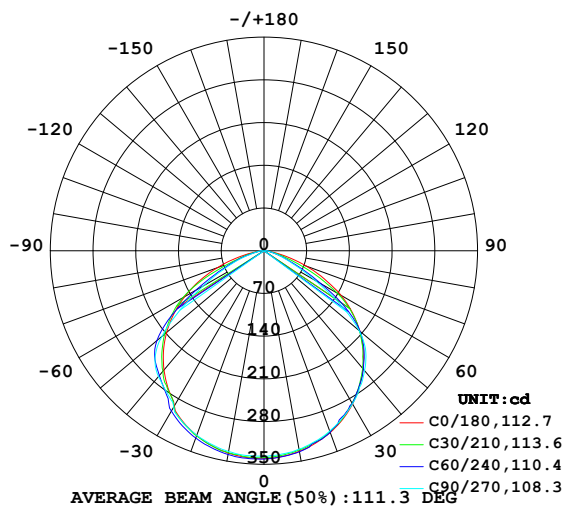


## LUMINAIRE PHOTOMETRIC TEST REPORT

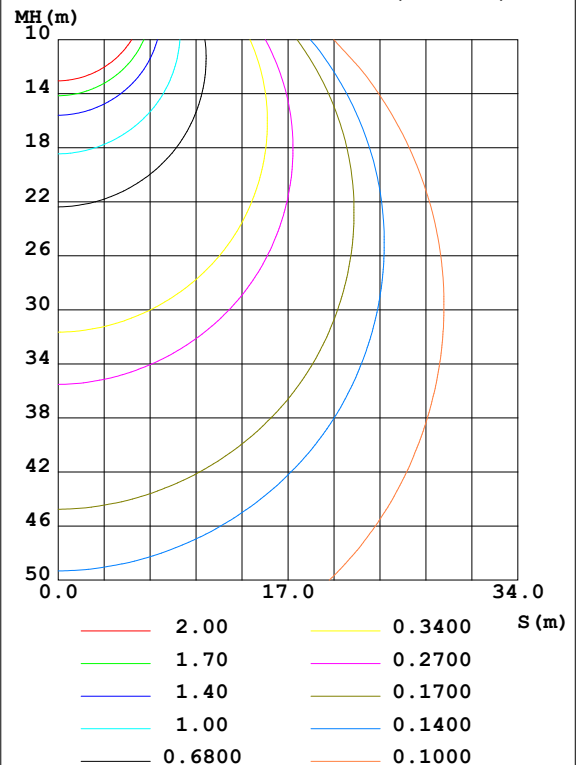
Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.13 lm/W			
MS-GC283680H120-9W-127V-08F35C-80		Imax(cd)	341.5	S/MH(C0/180)	1.27
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	127	TOTAL FLUX(lm)	905.77	$\eta$ UP,DN(C0-180)	0.1,48.7
NOMINAL FLUX(lm)	905.768	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,51.1
LAMPS INSIDE	1	$\eta$ up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	127	$\eta$ down(%)	99.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	333.6	334.2	330.2	332.8	336.8	338.7	334.0	334.2	0- 10	32.15	32.15	3.55,3.55
20	317.0	317.4	314.6	318.0	322.1	325.9	321.9	319.5	10- 20	92.69	124.8	13.8,13.8
30	290.0	285.7	290.0	288.7	293.9	301.9	296.0	294.9	20- 30	142.1	266.9	29.5,29.5
40	252.3	249.5	256.5	253.8	255.0	266.9	269.1	258.7	30- 40	172.6	439.5	48.5,48.5
50	205.0	203.6	203.4	207.5	208.4	227.4	218.6	220.2	40- 50	182.8	622.4	68.7,68.7
60	145.3	126.0	96.21	133.5	149.8	145.4	114.1	139.1	50- 60	155.0	777.4	85.8,85.8
70	73.74	42.82	34.30	45.67	81.26	54.26	47.02	52.81	60- 70	88.14	865.5	95.6,95.6
80	16.27	10.97	10.76	12.37	21.25	12.73	12.00	11.99	70- 80	31.67	897.2	99.1,99.1
90	0	2.518	3.653	3.423	0	3.094	4.330	2.453	80- 90	6.882	904.1	99.8,99.8
100	0	0.4055	1.394	1.086	0	0.5046	0.9227	0.0013	90-100	1.425	905.5	100,100
110	0	0	0.2958	0	0	0	0	0	100-110	0.2361	905.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0.0074	905.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0	905.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	905.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	905.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	905.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	905.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	905.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 531.3 lm

%lum = 58.7%

%lamp = 58.7%

Conical surface Flux(120deg): 777.41 lm

%lum = 85.8%

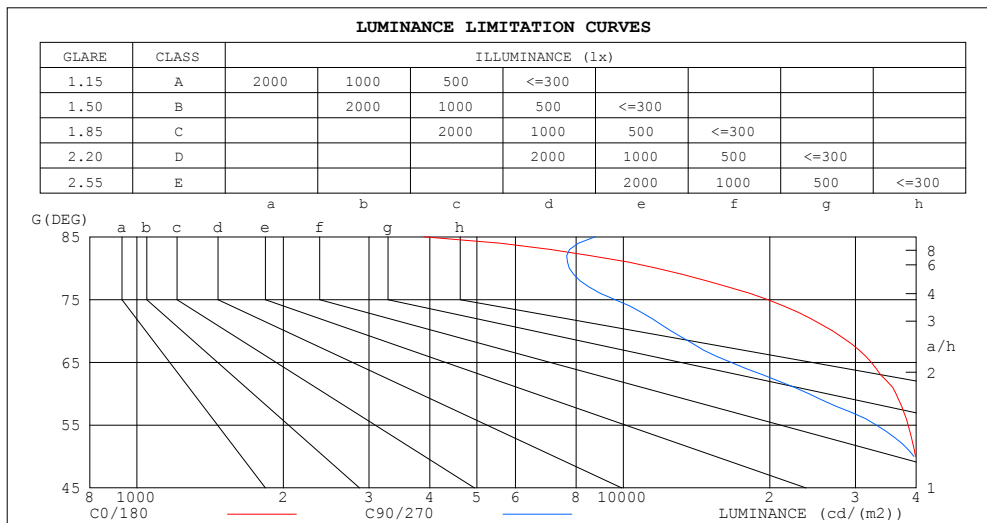
%lamp = 85.8%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Qin Meng  
 Test Date:2025-05-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.980m [K=1.0000]  
 Remarks: MS-L283530-60-12V-5W-08F5-80

## LUMINANCE LIMITATION CURVES

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:



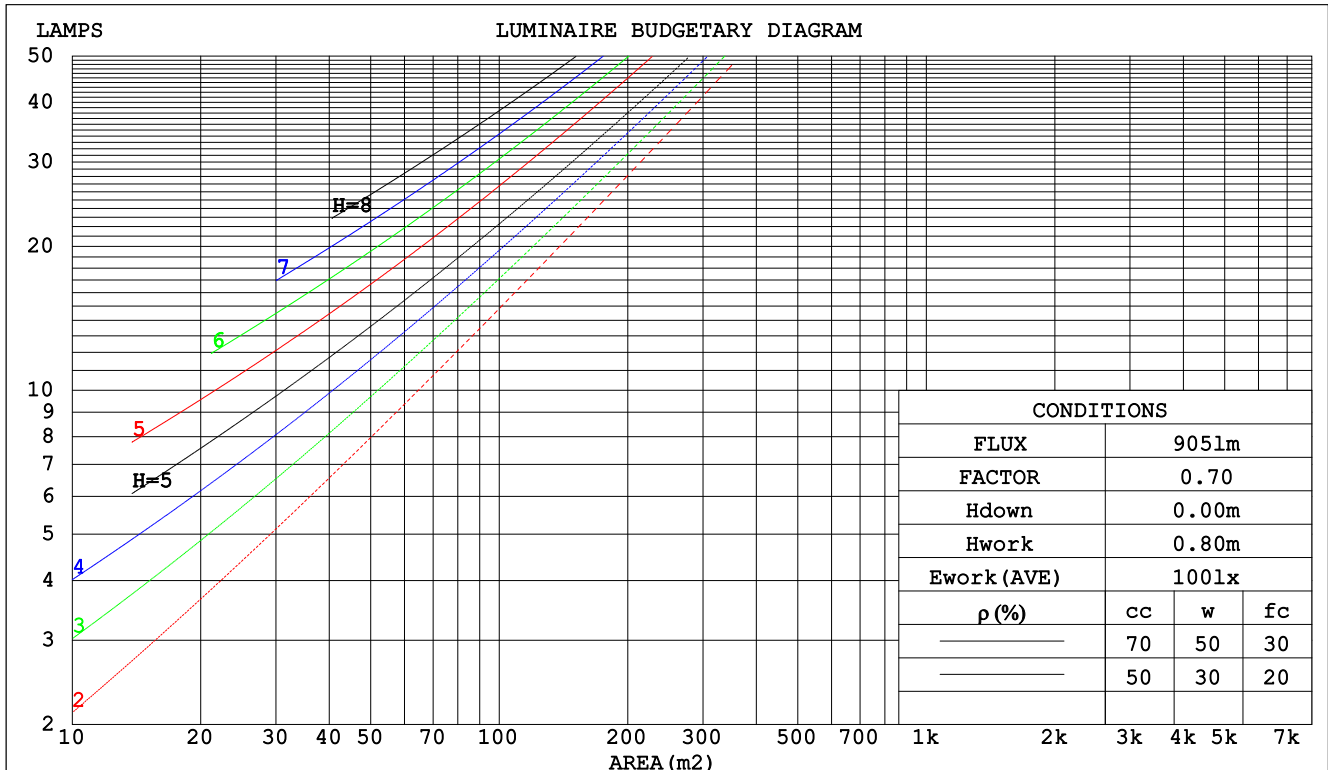
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.06	1.02	.98	1.03	.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.82	.91	.85	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.72	.68	.64	.62
4.0	.73	.65	.58	.72	.64	.58	.69	.63	.57	.67	.61	.56	.65	.60	.56	.54
5.0	.65	.57	.51	.64	.56	.50	.62	.55	.50	.60	.54	.49	.58	.53	.49	.47
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

### WEC AND CCEC

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:1000*8mm		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	.275	.156	.050	.268	.153	.049	.255	.146	.047	.243	.140	.045	.232	.134	.043	
2.0	.266	.146	.045	.260	.143	.044	.248	.138	.043	.238	.133	.042	.228	.129	.041	
3.0	.251	.134	.040	.246	.132	.040	.235	.128	.039	.226	.124	.038	.217	.120	.037	
4.0	.235	.122	.036	.230	.120	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034	
5.0	.220	.112	.032	.215	.111	.032	.207	.108	.032	.200	.105	.031	.193	.103	.031	
6.0	.205	.103	.029	.201	.102	.029	.194	.100	.029	.188	.097	.029	.181	.095	.028	
7.0	.192	.095	.027	.189	.094	.027	.182	.092	.027	.176	.090	.026	.171	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.172	.086	.024	.166	.084	.024	.161	.083	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.144	.073	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.179	.158	.139	.153	.135	.119	.105	.093	.082	.060	.054	.048	.019	.017	.016	
2.0	.170	.133	.103	.146	.115	.089	.100	.079	.062	.058	.046	.036	.018	.015	.012	
3.0	.162	.116	.078	.139	.100	.068	.096	.069	.048	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.062	.133	.088	.054	.091	.061	.038	.053	.036	.022	.017	.012	.007	
5.0	.148	.092	.050	.127	.079	.044	.087	.055	.031	.051	.033	.018	.016	.011	.006	
6.0	.141	.083	.042	.121	.072	.036	.084	.050	.026	.048	.030	.015	.016	.010	.005	
7.0	.134	.076	.036	.116	.066	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.128	.070	.031	.110	.061	.027	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.122	.066	.027	.105	.057	.024	.073	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.117	.061	.024	.101	.053	.021	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

### UGR(Unified Glare Rating) Table

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm												
NAME:					TYPE:			WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:				
MFR.:					SUR.:1000*8mm			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	25.5	27.0	25.8	27.2	27.4	24.5	26.0	24.8	26.2	26.4		
	3H	26.6	27.9	26.9	28.1	28.4	24.8	26.2	25.1	26.4	26.6	
	4H	26.8	28.1	27.1	28.3	28.6	24.9	26.2	25.2	26.4	26.7	
	6H	26.9	28.0	27.2	28.3	28.6	24.9	26.1	25.2	26.3	26.6	
	8H	26.8	28.0	27.2	28.3	28.5	24.9	26.0	25.2	26.3	26.6	
	12H	26.8	27.9	27.1	28.2	28.5	24.9	26.0	25.2	26.3	26.6	
	4H	2H	25.8	27.0	26.1	27.3	27.6	24.9	26.2	25.2	26.4	26.7
		3H	26.9	28.0	27.2	28.3	28.6	25.3	26.4	25.7	26.7	27.0
		4H	27.2	28.2	27.5	28.5	28.8	25.4	26.4	25.8	26.7	27.1
		6H	27.3	28.1	27.7	28.5	28.9	25.5	26.3	25.9	26.7	27.1
		8H	27.3	28.1	27.7	28.4	28.8	25.5	26.3	25.9	26.7	27.1
		12H	27.2	28.0	27.7	28.4	28.8	25.5	26.2	25.9	26.6	27.0
	8H	4H	27.1	27.9	27.5	28.3	28.7	25.4	26.3	25.9	26.6	27.0
		6H	27.3	27.9	27.7	28.3	28.8	25.5	26.2	26.0	26.6	27.1
		8H	27.3	27.9	27.7	28.3	28.7	25.6	26.2	26.1	26.6	27.1
		12H	27.3	27.8	27.7	28.2	28.7	25.7	26.2	26.1	26.6	27.1
	12H	4H	27.1	27.8	27.5	28.2	28.6	25.4	26.2	25.8	26.5	27.0
		6H	27.2	27.8	27.7	28.2	28.7	25.5	26.1	26.0	26.6	27.0
		8H	27.3	27.8	27.7	28.2	28.7	25.6	26.1	26.1	26.6	27.0
Variations with the observer position at spacings:												
S = 1.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.5						
1.5H	+ 0.4 / - 0.5					+ 0.5 / - 0.9						
2.0H	+ 0.5 / - 0.6					+ 1.1 / - 1.7						

CIE Pub.117, 905.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.3)  
Area: 0.008 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

### UTILIZATION FACTORS TABLE

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:

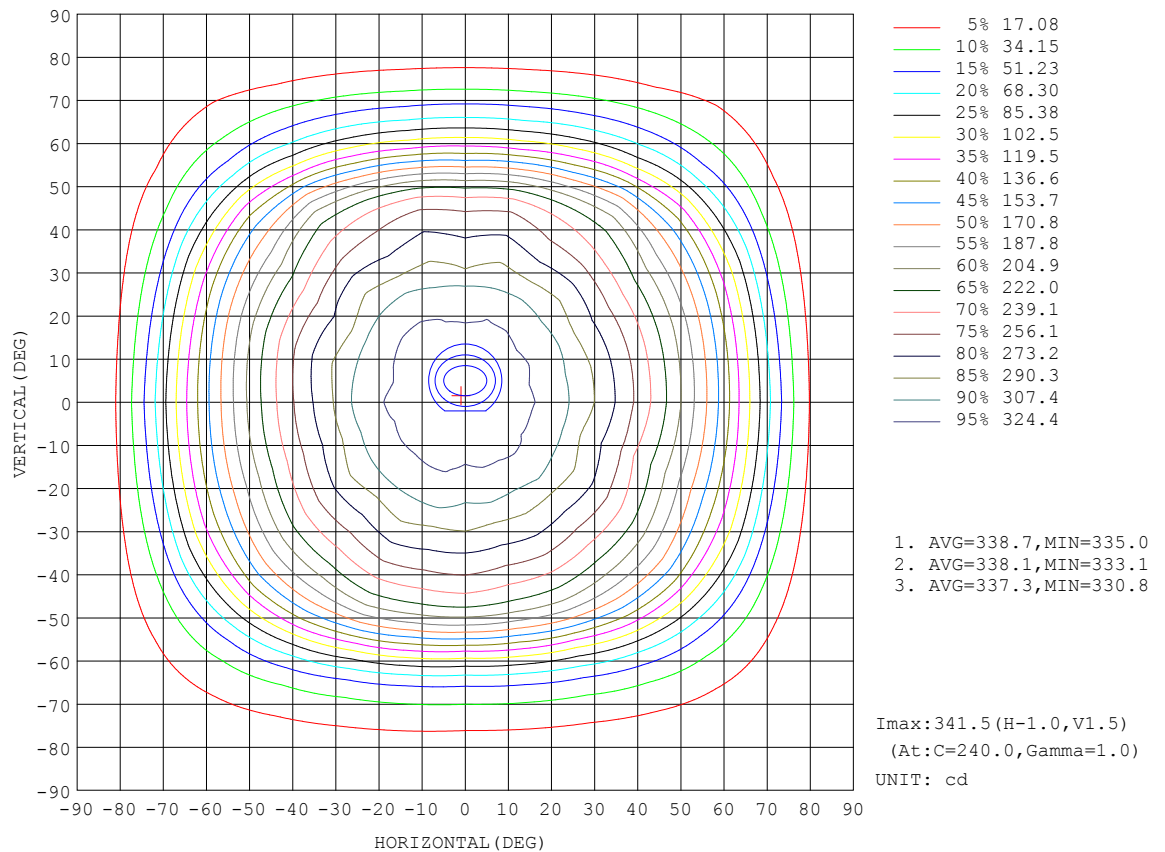
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	70	59	52	69	58	51	67	57	51	44
1.00	79	68	61	78	68	61	75	69	60	54
1.25	86	76	69	84	75	69	82	74	68	61
1.50	91	82	75	89	81	75	86	79	74	67
2.00	97	90	84	96	88	83	92	86	82	74
2.50	101	94	88	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	82
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

## ISOCANDELA DIAGRAM

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:



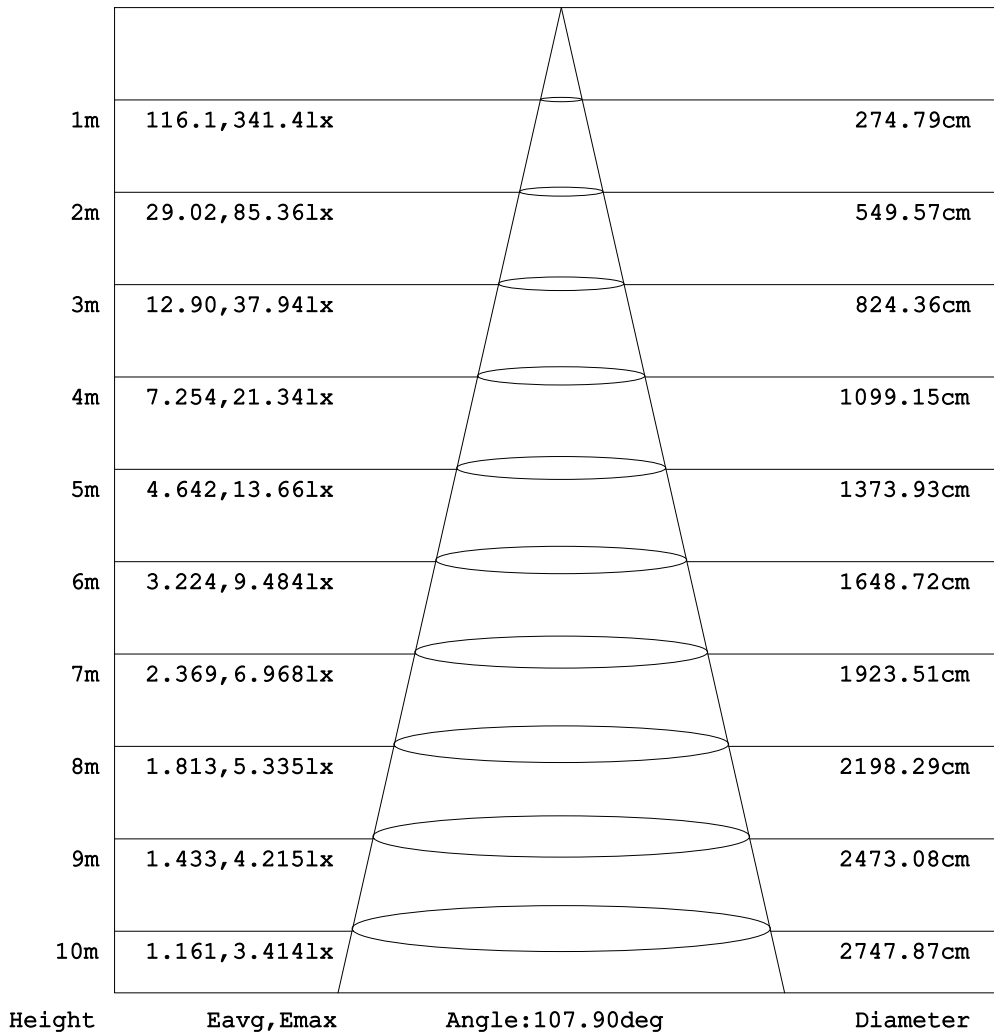
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

### AAI Figure

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:

Flux out:690.7 lm



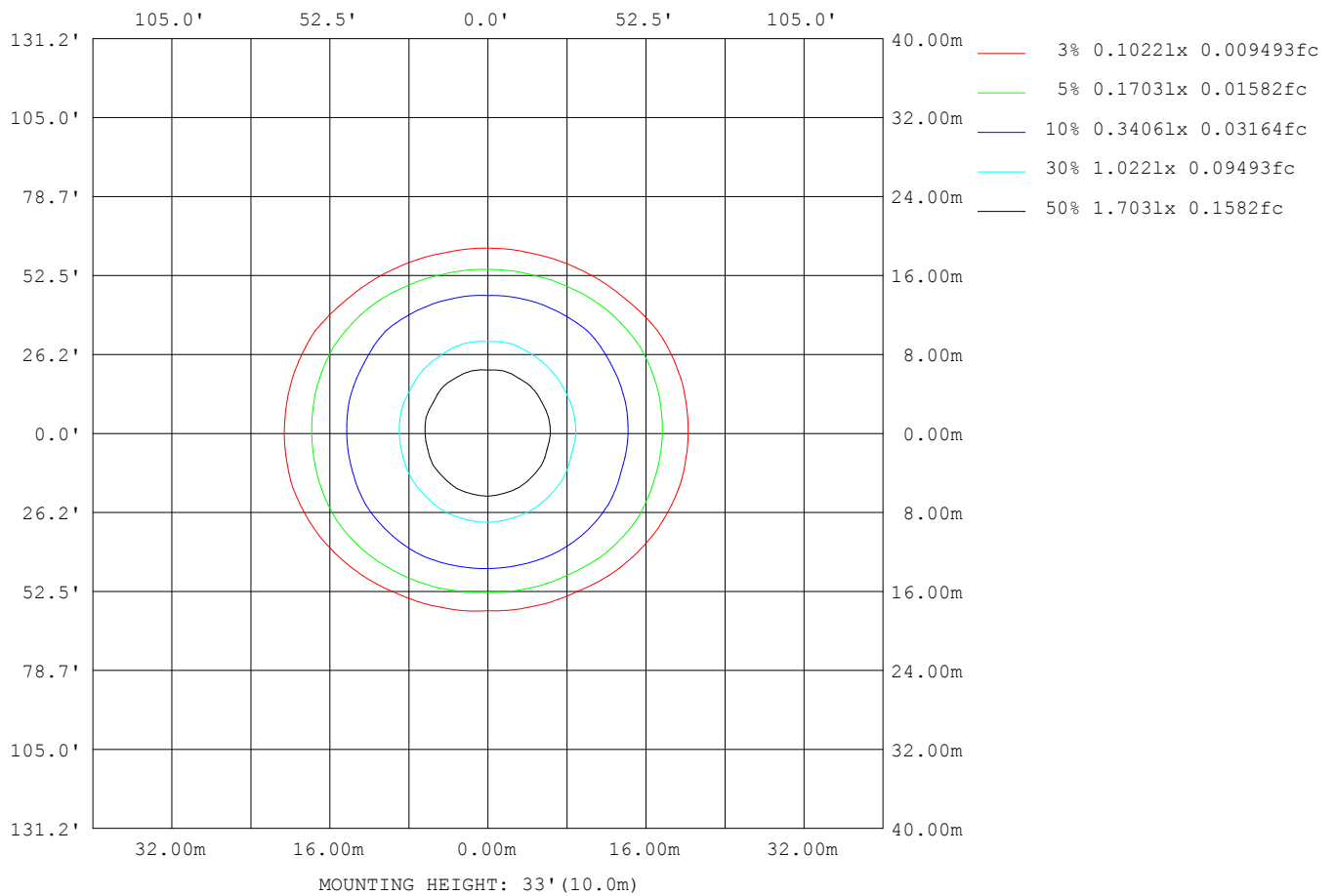
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

### ISOLUX DIAGRAM

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

### LED Avg.L Report

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*8mm	Shielding Angle:

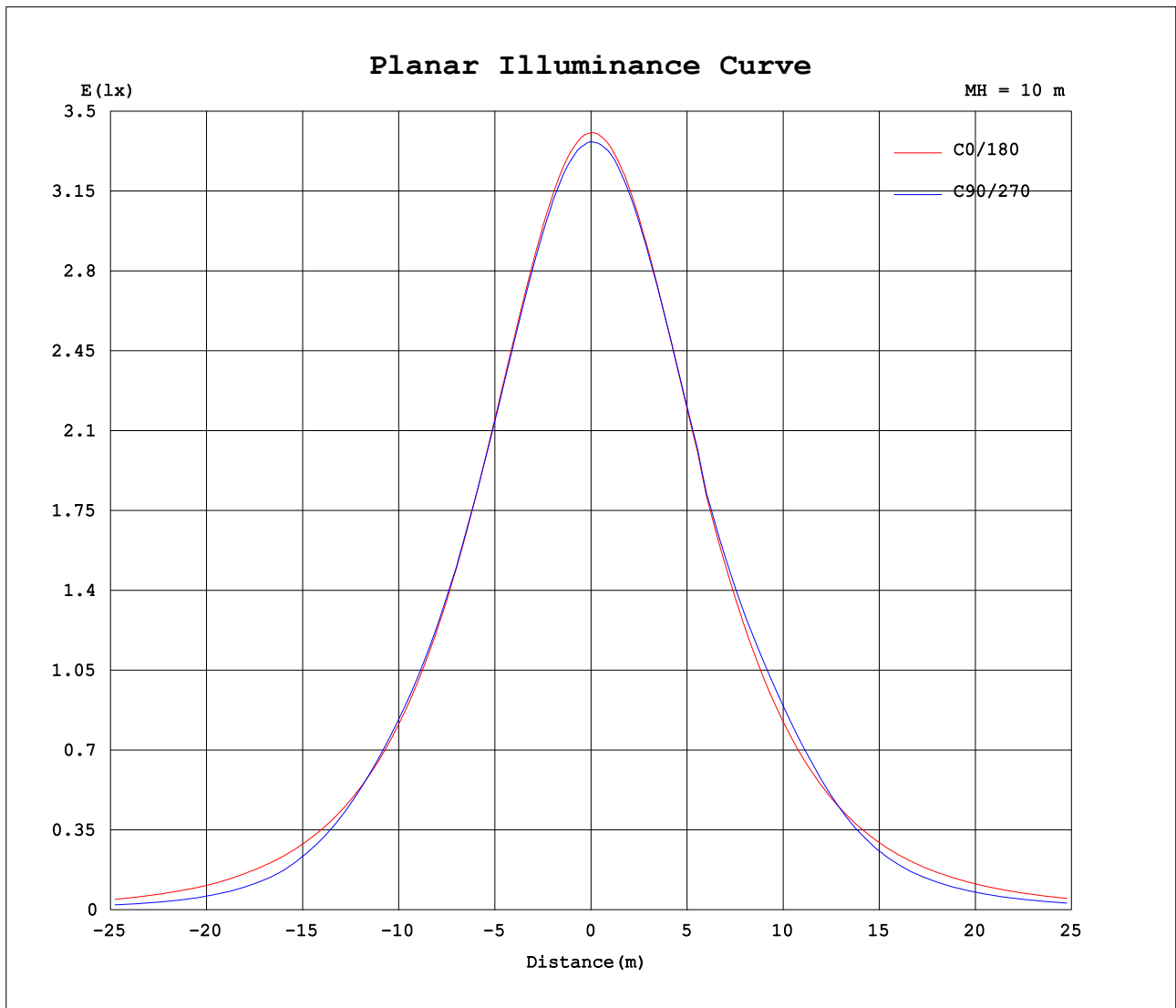
AvgL	cd/m2
L_0~180 (65) av	33420
L_0~180 (75) av	21472
L_0~180 (85) av	6089
L_90~270 (65) av	19424
L_90~270 (75) av	10701
L_90~270 (85) av	9421
L_45 (65) av	24862
L_45 (75) av	12647
L_45 (85) av	8328

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Qin Meng  
Test Date: 2025-05-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity: 65.0%  
Test Distance: 8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.:									SUR.:1000*8mm					Shielding Angle:				

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	341	339	339	341	341	339	337	340	340	338	340	338	341	339	339	341	341	339	337
5	338	337	336	339	339	337	334	337	338	336	338	337	340	338	339	341	341	339	337
10	334	332	332	334	334	332	330	334	334	333	334	333	337	336	336	339	339	337	334
15	326	326	324	327	325	325	324	327	328	326	328	328	331	330	331	334	334	331	329
20	317	315	316	317	317	316	315	319	319	318	319	319	322	320	323	326	327	324	322
25	305	303	304	306	301	305	303	308	308	308	308	308	311	311	312	315	317	313	312
30	290	282	289	286	289	286	290	289	294	289	294	288	294	297	295	302	304	300	296
35	272	265	271	269	272	270	273	273	278	272	276	271	274	280	276	286	282	287	280
40	252	242	252	250	253	252	257	256	259	254	257	252	255	261	258	267	267	274	269
45	230	222	229	228	232	232	236	235	238	233	235	230	233	239	237	247	253	259	253
50	205	197	204	204	206	202	203	206	213	208	210	206	208	214	212	227	229	227	219
55	177	171	175	171	163	153	152	158	171	177	182	179	180	185	185	197	184	173	166
60	145	141	139	126	108	100	96.2	103	115	133	146	148	150	153	154	145	128	116	114
65	109	106	92.7	77.3	64.7	58.6	56.3	60.5	68.7	82.7	101	114	117	116	108	89.9	82.5	76.4	75.1
70	73.7	66.1	52.2	42.8	36.4	35.1	34.3	36.1	38.2	45.7	57.5	74.1	81.3	75.0	60.3	54.3	50.6	47.4	47.0
75	41.0	32.5	26.4	22.7	20.3	20.3	19.9	21.4	21.9	24.3	29.1	37.7	47.9	36.8	32.2	29.6	26.8	24.5	24.4
80	16.3	13.1	11.5	11.0	10.3	10.7	10.8	11.4	11.4	12.4	13.7	16.4	21.3	15.2	15.5	12.7	12.7	12.1	12.0
85	2.71	3.32	4.30	5.17	5.59	6.01	6.10	6.48	6.39	6.23	5.80	5.45	5.78	5.13	5.82	6.23	6.76	7.02	7.04
90	0.00	0.00	1.18	2.52	3.23	3.59	3.65	3.99	3.91	3.42	2.32	0.65	0.00	0.35	2.05	3.09	4.04	4.32	4.33
95	0.00	0.00	0.00	1.23	1.83	2.20	2.25	2.47	2.38	2.06	1.02	0.00	0.00	0.00	0.51	1.50	2.26	2.33	2.22
100	0.00	0.00	0.00	0.41	0.99	1.31	1.39	1.52	1.42	1.09	0.24	0.00	0.00	0.00	0.00	0.50	0.98	1.03	0.92
105	0.00	0.00	0.00	0.00	0.39	0.71	0.78	0.86	0.74	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.20	0.12
110	0.00	0.00	0.00	0.00	0.00	0.23	0.30	0.35	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-05-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.980m [K=1.0000]  
Remarks: MS-L283530-60-12V-5W-08F5-80

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:127.30V I:0.0690A P:8.3000W PF:0.9320 Freq:0Hz Lamp Flux:905.768x1 lm					
NAME:			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:1000*8mm		Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	340	340	338	340	338														
5	339	339	337	338	336														
10	337	336	334	334	332														
15	332	330	326	328	325														
20	325	323	320	320	317														
25	312	312	309	308	305														
30	300	299	295	288	291														
35	285	278	279	272	273														
40	272	261	259	253	253														
45	257	247	239	231	231														
50	224	222	220	207	207														
55	171	178	189	181	180														
60	115	124	139	148	148														
65	75.5	80.5	86.3	102	110														
70	47.2	49.4	52.8	57.2	69.2														
75	24.3	25.7	28.1	31.0	33.2														
80	11.9	12.3	12.0	14.3	13.3														
85	6.78	6.28	5.59	4.96	3.90														
90	4.12	3.55	2.45	1.30	0.00														
95	2.08	1.83	0.95	0.00	0.00														
100	0.76	0.58	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Qin Meng  
 Test Date:2025-05-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.980m [K=1.0000]  
 Remarks: MS-L283530-60-12V-5W-08F5-80