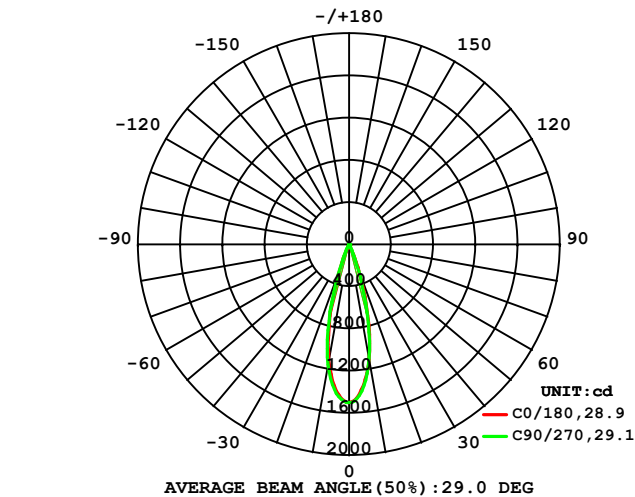


LUMINAIRE PHOTOMETRIC TEST REPORT

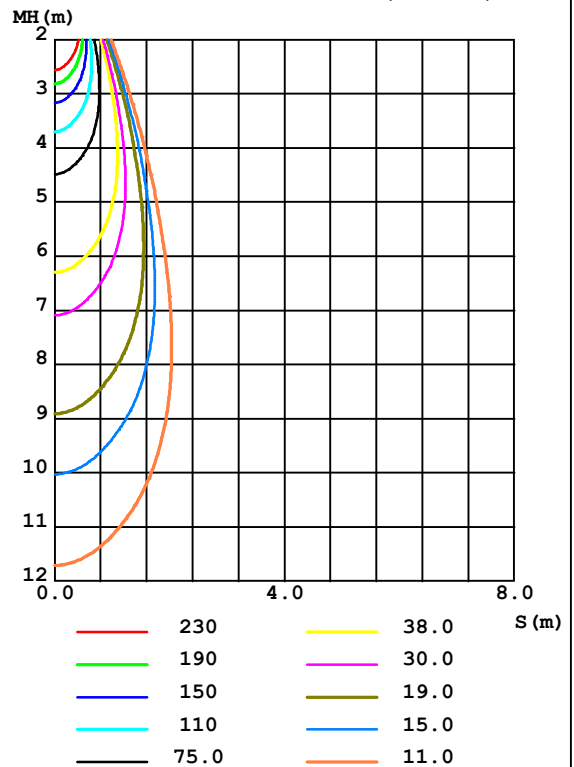
Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 81.18 lm/W
MODEL		I _{max} (cd)	1502	S/MH(C0/180)		0.46
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)		0.48
RATED VOLTAGE(V)	DC48	TOTAL FLUX(lm)	369.00	η UP,DN(C0-180)		0.0,48.7
NOMINAL FLUX(lm)	369	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,51.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	48	η down (%)	100.0	CIBSE SHR MAX		1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

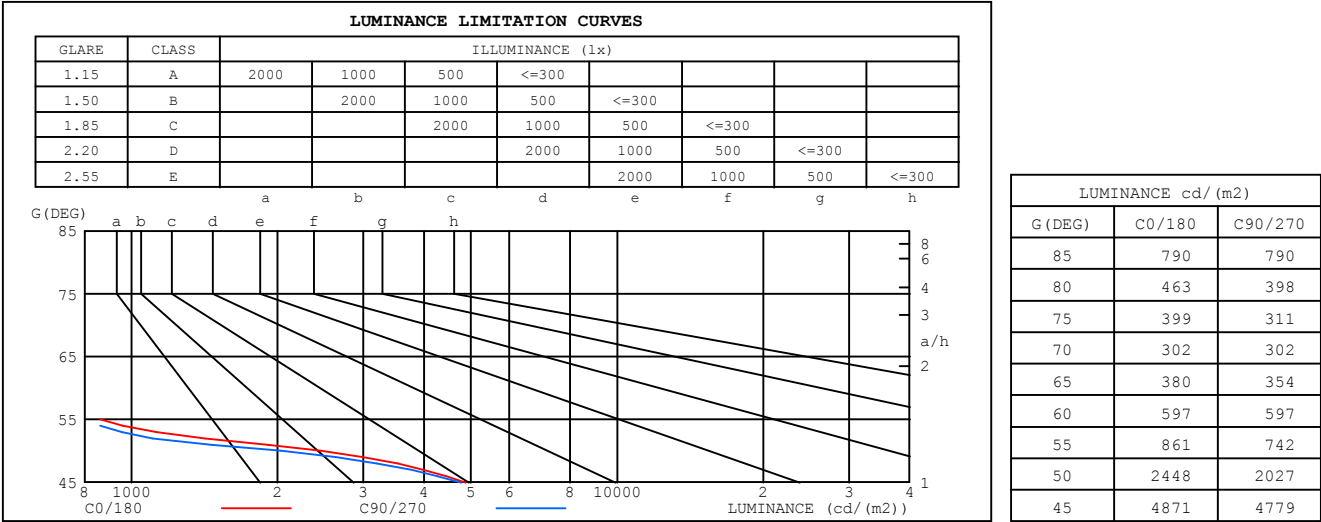
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1111	1114	1100	1086	1118	1150	1159	1119	0- 10	124.5	124.5	33.8,33.8
20	299.3	283.9	270.0	269.5	294.0	310.6	327.2	312.2	10- 20	186.9	311.5	84.4,84.4
30	23.67	22.67	22.46	23.00	24.29	25.03	25.74	24.67	20- 30	47.12	358.6	97.2,97.2
40	5.629	5.245	5.353	5.519	5.722	5.544	5.713	5.620	30- 40	7.157	365.7	99.1,99.1
50	1.507	1.254	1.256	1.205	1.304	1.427	1.545	1.557	40- 50	2.541	368.3	99.8,99.8
60	0.2858	0.1873	0.2877	0.1793	0.1758	0.2979	0.2100	0.3063	50- 60	0.4561	368.7	99.9,99.9
70	0.0989	0.0552	0.0996	0.0555	0.0440	0.0994	0.0332	0.1111	60- 70	0.1297	368.9	100,100
80	0.0770	0.0552	0.0666	0.0555	0.0440	0.0662	0.0332	0.0777	70- 80	0.0703	368.9	100,100
90	0.0550	0.0552	0.0553	0.0555	0.0550	0.0552	0.0332	0.0555	80- 90	0.0611	369.0	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: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



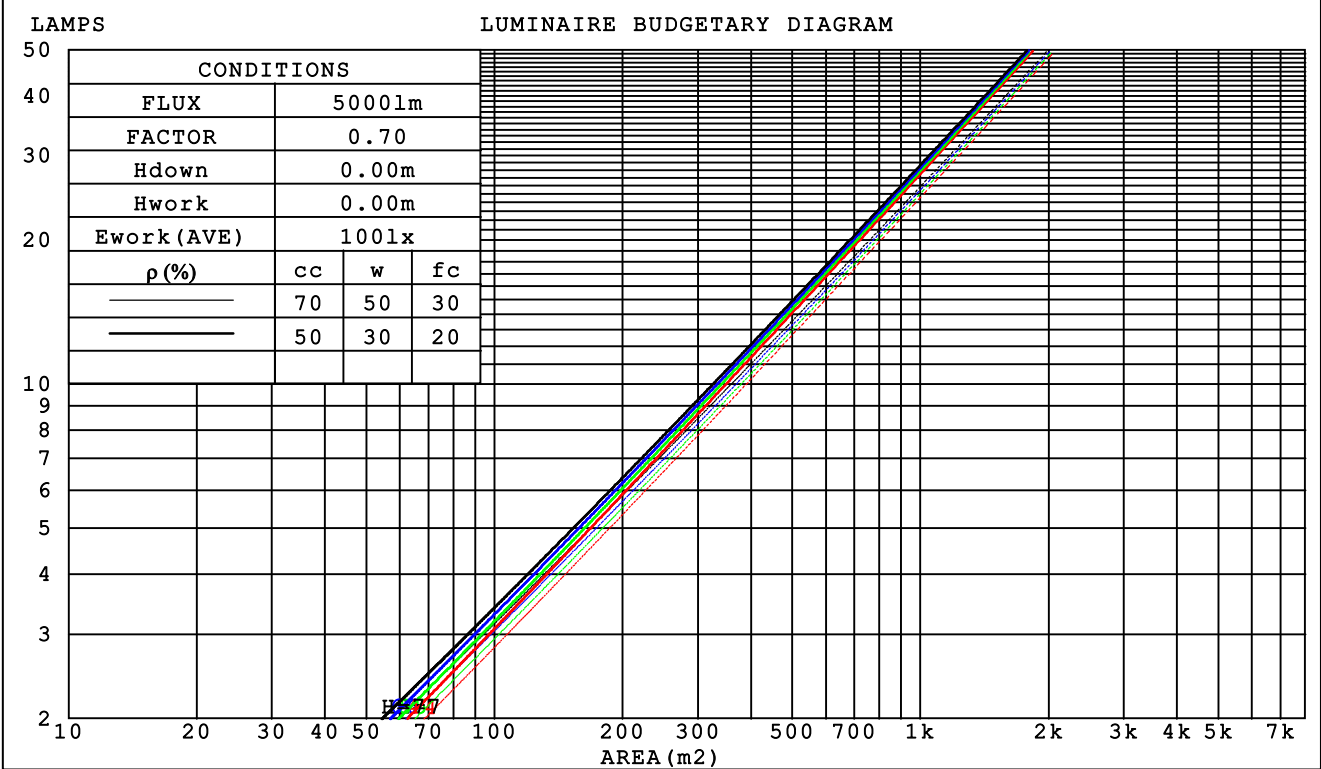
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	1.00														
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97														
2.0	1.08	1.05	1.02	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94														
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.93	.95	.94	.92	.91														
4.0	.00	.96	.93	.98	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88														
5.0	.96	.92	.89	.95	.91	.89	.94	.90	.88	.92	.89	.87	.91	.88	.87	.85														
6.0	.93	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.88	.86	.84	.83														
7.0	.90	.86	.83	.89	.86	.83	.88	.85	.82	.87	.84	.82	.86	.84	.82	.81														
8.0	.87	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.80	.84	.81	.79	.78														
9.0	.85	.81	.78	.84	.81	.78	.84	.80	.78	.83	.80	.78	.82	.79	.77	.76														
10.0	.82	.79	.76	.82	.78	.76	.81	.78	.76	.81	.78	.75	.80	.77	.75	.74														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm									
NAME: 6877					TYPE:			WEIGHT:	
SPEC.: NORDECOR					DIM.:			SERIAL No.:	
MFR.:					SUR.:			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															

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 Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.116	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.112	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.103	.075	.056	.088	.065	.049	.061	.046	.034	.035	.027	.021	.011	.009	.007	
7.0	.095	.067	.048	.082	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.083	.055	.036	.071	.048	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004	
10.0	.078	.050	.031	.067	.043	.027	.047	.031	.019	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:彭金英
 Test Date:2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity:60%
 Test Distance:12.350m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm										
NAME: 6877					TYPE:			WEIGHT:		
SPEC.: NORDECOR					DIM.:			SERIAL No.:		
MFR.:					SUR.:			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	8.4	9.0	8.6	9.2	9.3	8.1	8.8	8.3	8.9	9.1
3H	8.3	8.9	8.5	9.1	9.2	8.0	8.6	8.3	8.8	9.0
4H	8.2	8.8	8.5	9.0	9.2	8.0	8.5	8.2	8.7	8.9
6H	8.2	8.7	8.4	8.9	9.2	7.9	8.4	8.2	8.7	8.9
8H	8.1	8.7	8.4	8.9	9.1	7.9	8.4	8.2	8.6	8.9
12H	8.1	8.6	8.4	8.9	9.1	7.9	8.4	8.2	8.6	8.9
4H 2H	8.2	8.8	8.4	9.0	9.2	7.9	8.5	8.2	8.7	8.9
3H	8.0	8.5	8.3	8.8	9.1	7.8	8.3	8.1	8.5	8.8
4H	8.0	8.4	8.3	8.7	9.0	7.7	8.2	8.0	8.5	8.8
6H	7.9	8.3	8.3	8.6	9.0	7.7	8.1	8.0	8.4	8.7
8H	7.9	8.3	8.3	8.6	9.0	7.6	8.0	8.0	8.4	8.7
12H	7.9	8.2	8.3	8.6	9.0	7.6	8.0	8.0	8.4	8.7
8H 4H	7.8	8.2	8.2	8.6	8.9	7.6	7.9	8.0	8.3	8.7
6H	7.8	8.1	8.2	8.5	8.9	7.5	7.8	7.9	8.2	8.6
8H	7.8	8.0	8.2	8.5	8.9	7.5	7.8	8.0	8.2	8.6
12H	7.8	8.0	8.3	8.5	8.9	7.5	7.8	8.0	8.2	8.7
12H 4H	7.8	8.1	8.2	8.5	8.9	7.5	7.9	7.9	8.2	8.6
6H	7.7	8.0	8.2	8.4	8.9	7.5	7.7	7.9	8.2	8.6
8H	7.7	8.0	8.2	8.4	8.9	7.5	7.7	7.9	8.1	8.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / - 7.8					+ 2.8 / - 8.0				
1.5H	+ 4.5 / - 7.8					+ 4.4 / - 7.8				
2.0H	+ 6.2 / - 5.7					+ 6.4 / - 5.9				

CIE Pub.117, 369.0 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -3.5$)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 彭金英
 Test Date: 2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity: 60%
 Test Distance: 12.350m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

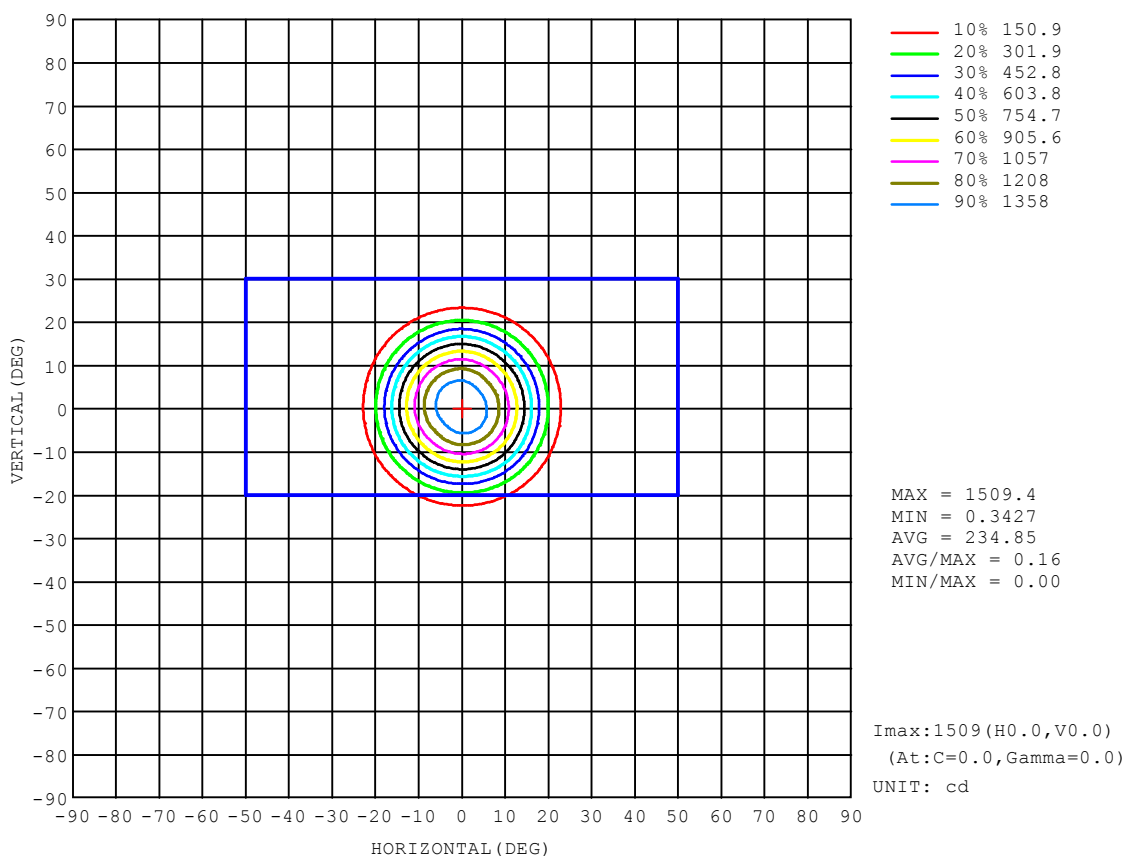
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	91	85	82	90	85	82	79
0.80	98	93	89	97	92	89	96	92	89	86
1.00	102	97	94	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	103	101	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	107	100
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 彭金英
 Test Date: 2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity: 60%
 Test Distance: 12.350m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

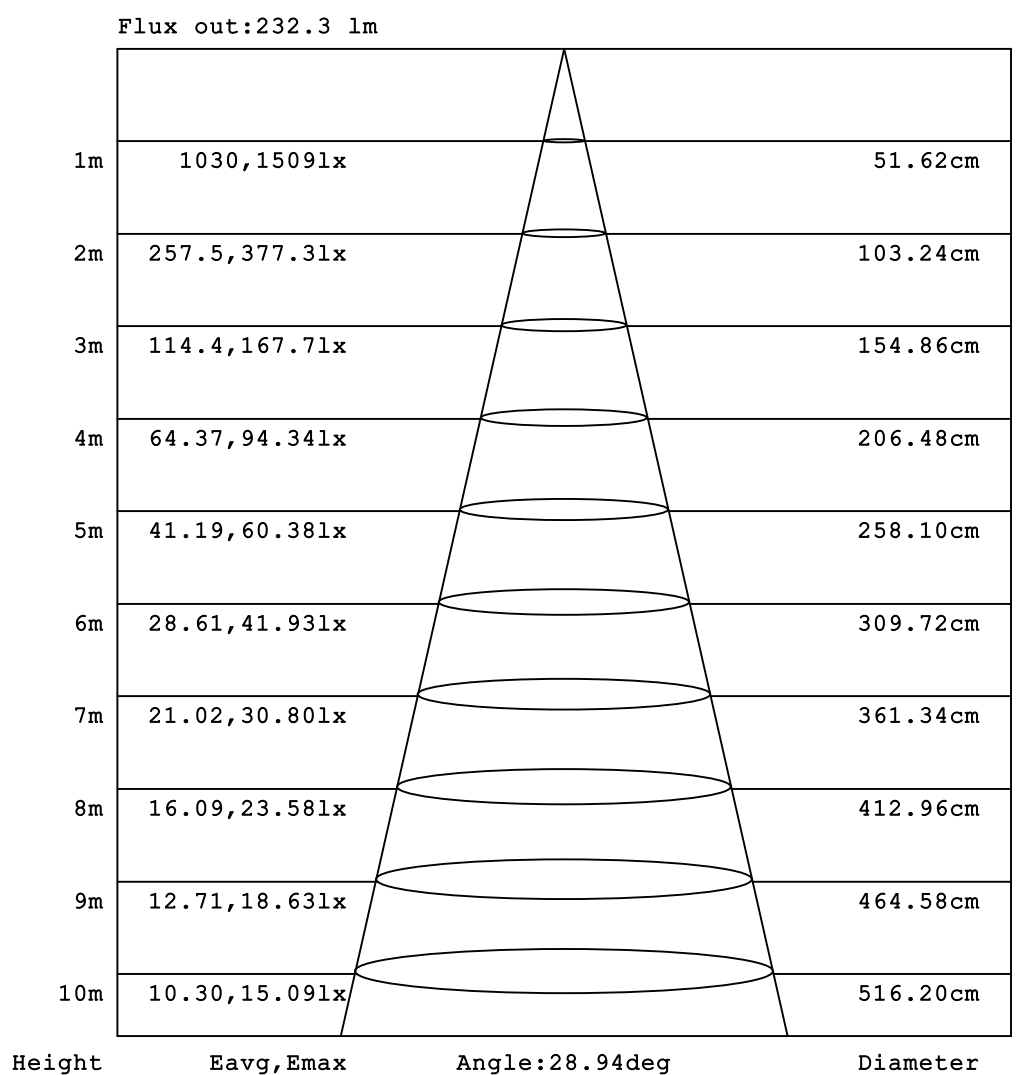


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

AAI Figure

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



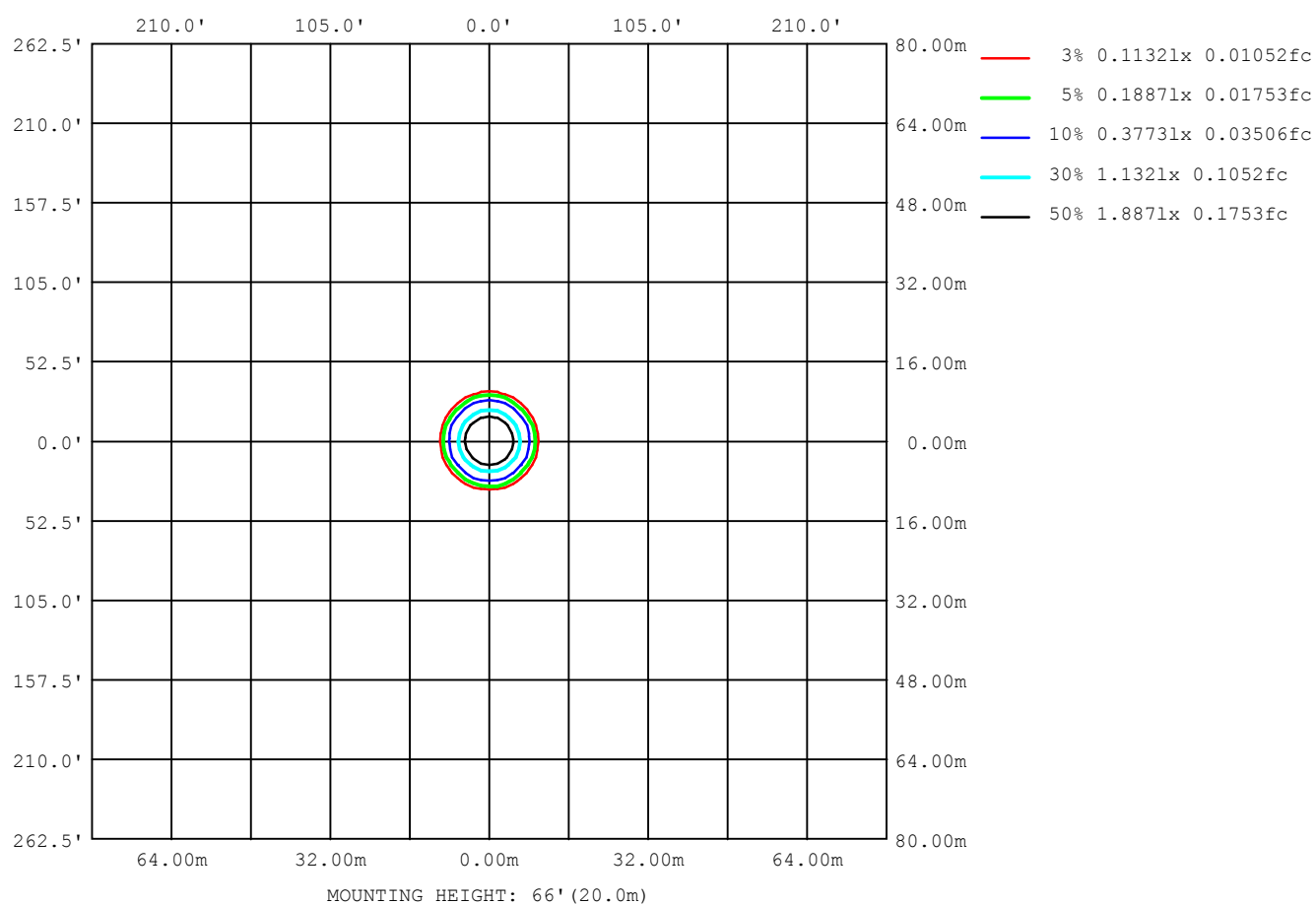
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:彭金英
 Test Date:2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity:60%
 Test Distance:12.350m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 彭金英
Test Date: 2024-12-9

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity: 60%
Test Distance: 12.350m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:47.997V I:0.0947A P:4.5453W PF:1.0000 Freq:49.99Hz Lamp Flux:369x1 lm		
NAME: 6877	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

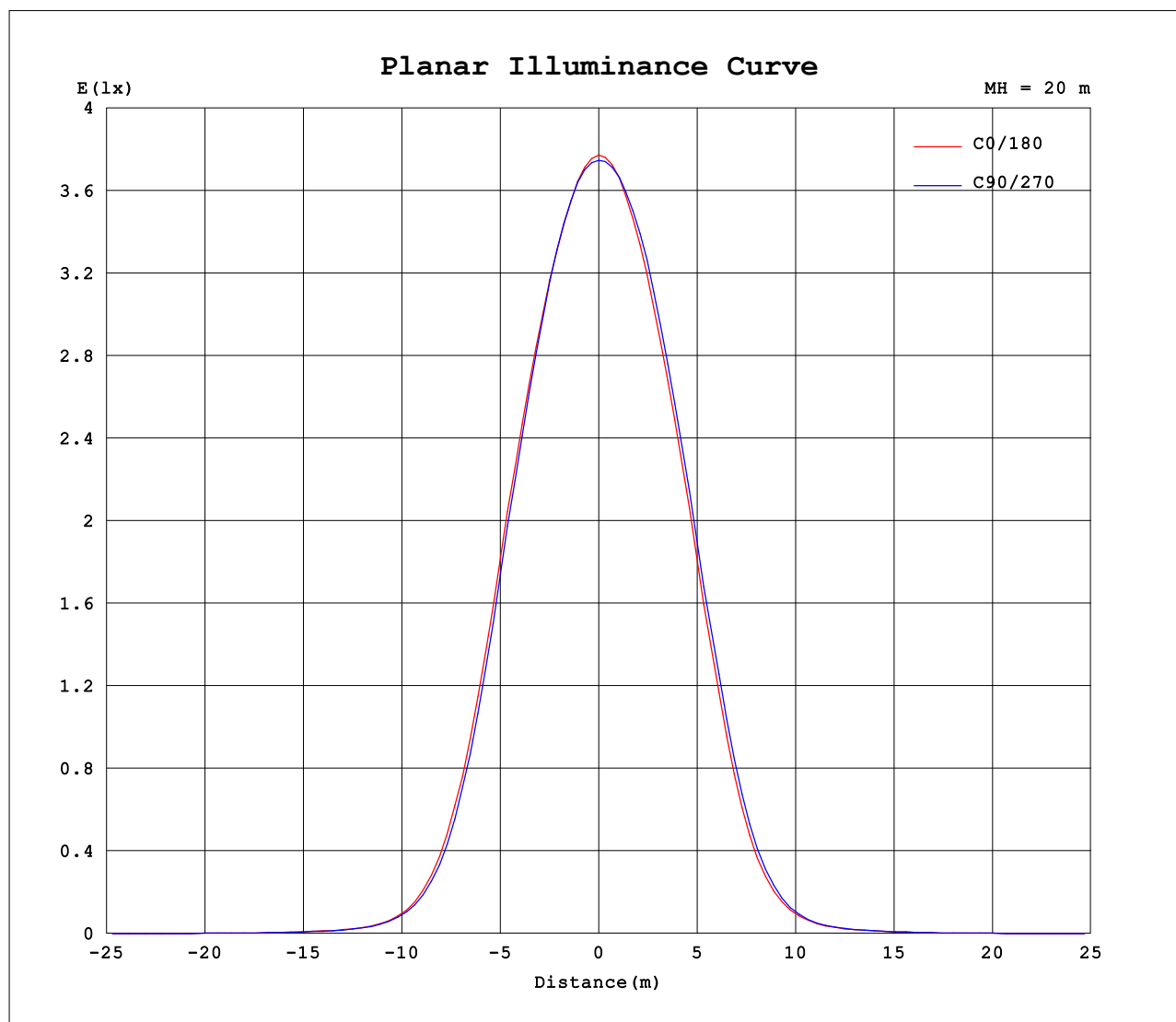
AvgL	cd/m2
L_0~180 (65) av	257
L_0~180 (75) av	287
L_0~180 (85) av	656
L_90~270 (65) av	259
L_90~270 (75) av	222
L_90~270 (85) av	594
L_45 (65) av	286
L_45 (75) av	278
L_45 (85) av	693

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 彭金英
Test Date: 2024-12-9

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity: 60%
Test Distance: 12.350m [K=1.0000]
Remarks:

UNIT: cd

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

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