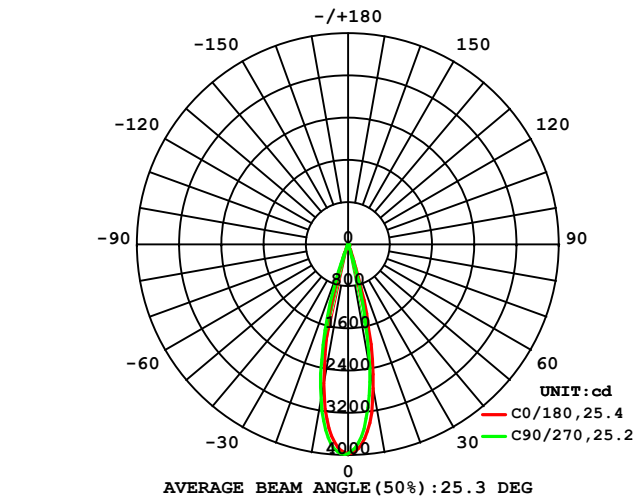


LUMINAIRE PHOTOMETRIC TEST REPORT

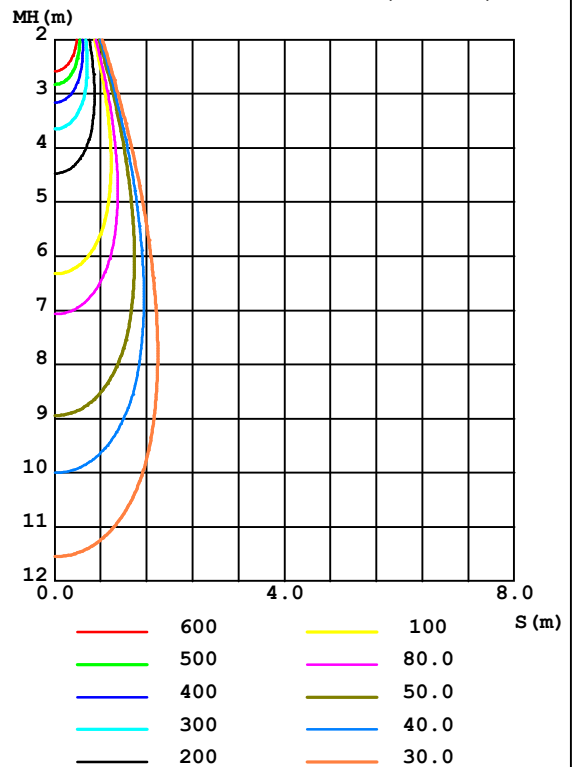
Test:U:47.997V I:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.28 lm/W
MODEL		I _{max} (cd)	3981	S/MH(C0/180)	0.40	
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.44	
RATED VOLTAGE(V)	DC48	TOTAL FLUX(lm)	752.09	η UP,DN(C0-180)	0.0,45.2	
NOMINAL FLUX(lm)	752.09	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8	
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:

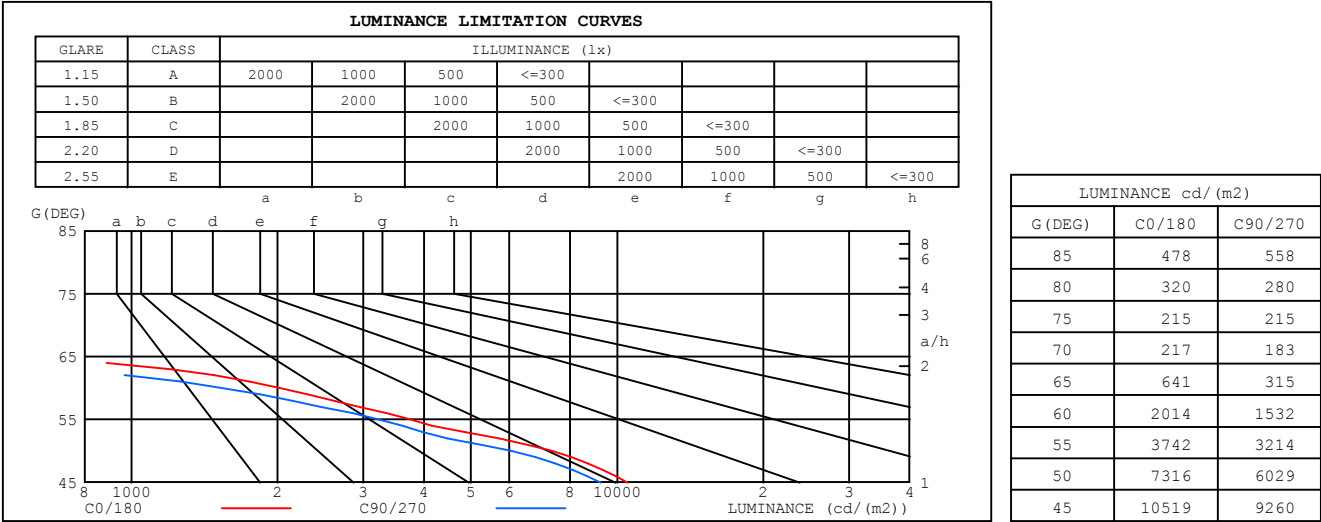
ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2780	2500	2376	2452	2676	2797	2988	3015	0- 10	318.6	318.6	42.4, 42.4
20	343.4	247.9	210.2	230.6	336.9	425.6	549.8	499.7	10- 20	359.3	677.9	90.1, 90.1
30	33.15	29.66	27.72	28.59	31.47	35.42	37.58	38.76	20- 30	48.62	726.5	96.6, 96.6
40	15.78	14.72	14.38	13.42	13.76	14.82	15.57	16.16	30- 40	13.34	739.9	98.4, 98.4
50	7.419	6.297	6.183	5.809	6.512	7.325	7.846	8.199	40- 50	8.353	748.2	99.5, 99.5
60	1.588	1.044	1.222	1.046	1.345	1.796	1.703	1.941	50- 60	3.218	751.4	99.9, 99.9
70	0.1169	0.0550	0.0997	0.0334	0.0657	0.1455	0.0554	0.1449	60- 70	0.5129	751.9	100, 100
80	0.0877	0.0550	0.0776	0.0334	0.0657	0.0880	0.0554	0.0891	70- 80	0.0796	752.0	100, 100
90	0.0548	0.0550	0.0665	0.0334	0.0657	0.0660	0.0554	0.0669	80- 90	0.0687	752.1	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		

LUMINANCE LIMITATION CURVES

Test:U:47.997V I:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



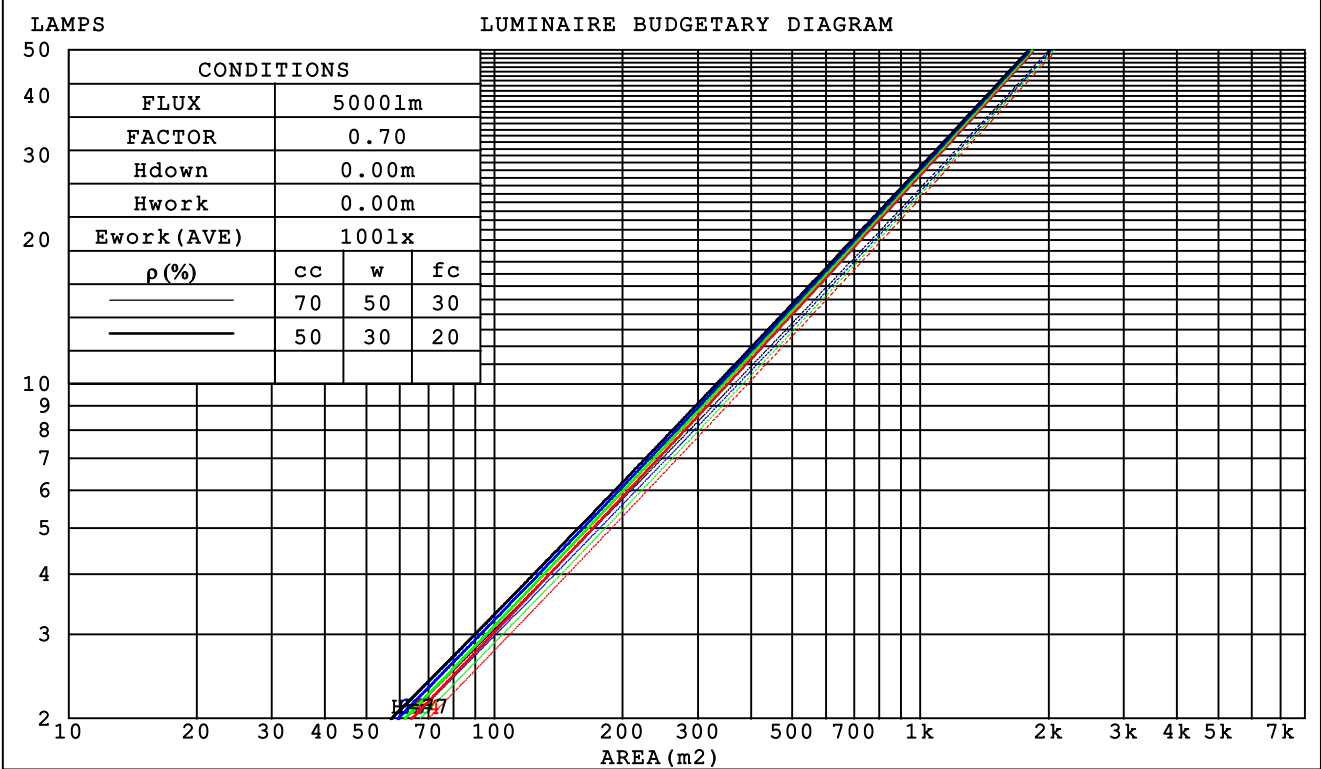
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	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	.00														
1.0	1.13	1.12	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.00	.00	.99	.97														
2.0	1.09	1.06	1.03	1.07	1.04	1.02	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.95														
3.0	1.04	1.01	.98	1.03	1.00	.98	1.01	.98	.96	.98	.96	.95	.96	.95	.93	.92														
4.0	1.01	.97	.94	.00	.96	.94	.98	.95	.93	.96	.94	.92	.94	.92	.91	.90														
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.94	.91	.89	.92	.90	.89	.87														
6.0	.95	.91	.88	.94	.91	.88	.93	.90	.87	.92	.89	.87	.91	.88	.86	.85														
7.0	.92	.88	.86	.92	.88	.86	.91	.87	.85	.90	.87	.85	.89	.86	.84	.83														
8.0	.90	.86	.84	.89	.86	.83	.89	.85	.83	.88	.85	.83	.87	.84	.83	.82														
9.0	.88	.84	.82	.87	.84	.81	.87	.83	.81	.86	.83	.81	.85	.83	.81	.80														
10.0	.86	.82	.80	.85	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78														



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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm					
NAME: 6884			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															Wall Exitance Coefficients (WEC)														
0.0																														
1.0	.129	.073	.023	.122	.070	.022	.110	.063	.020	.098	.057	.018	.088	.051	.016															
2.0	.118	.065	.020	.113	.062	.019	.103	.057	.018	.093	.052	.016	.085	.048	.015															
3.0	.109	.058	.017	.105	.056	.017	.097	.052	.016	.089	.049	.015	.082	.045	.014															
4.0	.102	.053	.016	.098	.051	.015	.091	.048	.014	.085	.045	.014	.079	.043	.013															
5.0	.096	.049	.014	.093	.048	.014	.087	.045	.013	.081	.043	.013	.076	.040	.012															
6.0	.090	.045	.013	.087	.044	.013	.082	.042	.012	.078	.040	.012	.073	.038	.011															
7.0	.085	.042	.012	.083	.041	.012	.079	.040	.011	.074	.038	.011	.071	.037	.011															
8.0	.081	.040	.011	.079	.039	.011	.075	.038	.011	.072	.036	.010	.068	.035	.010															
9.0	.077	.037	.010	.076	.037	.010	.072	.036	.010	.069	.035	.010	.066	.034	.010															
10.0	.074	.035	.010	.072	.035	.010	.069	.034	.010	.067	.033	.009	.064	.032	.009															

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	.149	.144	.135	.128	.098	.093	.089	.057	.054	.051	.018	.017	.017	
2.0	.149	.133	.119	.128	.114	.103	.088	.079	.072	.050	.046	.042	.016	.015	.014	
3.0	.134	.113	.097	.115	.098	.084	.079	.068	.059	.045	.040	.035	.015	.013	.011	
4.0	.121	.098	.080	.103	.084	.070	.071	.059	.049	.041	.034	.029	.013	.011	.010	
5.0	.110	.085	.067	.094	.074	.058	.065	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.100	.075	.057	.086	.065	.050	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.093	.067	.049	.080	.058	.042	.055	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.086	.060	.042	.074	.052	.037	.051	.036	.026	.030	.022	.015	.010	.007	.005	
9.0	.080	.054	.037	.069	.047	.032	.048	.033	.023	.028	.019	.014	.009	.006	.004	
10.0	.075	.049	.032	.065	.043	.028	.045	.030	.020	.026	.018	.012	.008	.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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm										
NAME: 6884					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	8.8	9.4	9.0	9.6	9.7	8.2	8.8	8.4	9.0	9.1
3H	8.7	9.2	8.9	9.4	9.6	8.1	8.6	8.3	8.8	9.0
4H	8.6	9.1	8.9	9.3	9.5	8.0	8.5	8.3	8.7	8.9
6H	8.5	9.0	8.8	9.3	9.5	7.9	8.4	8.2	8.7	8.9
8H	8.5	9.0	8.8	9.2	9.5	7.9	8.4	8.2	8.6	8.9
12H	8.4	8.9	8.8	9.2	9.4	7.8	8.3	8.2	8.6	8.8
4H 2H	8.7	9.2	8.9	9.4	9.6	8.1	8.6	8.3	8.8	9.0
3H	8.5	9.0	8.8	9.2	9.5	7.9	8.4	8.2	8.6	8.9
4H	8.4	8.8	8.7	9.1	9.4	7.8	8.2	8.1	8.5	8.8
6H	8.3	8.7	8.7	9.0	9.3	7.7	8.1	8.1	8.4	8.8
8H	8.2	8.6	8.6	8.9	9.3	7.7	8.0	8.0	8.4	8.7
12H	8.2	8.5	8.6	8.9	9.3	7.6	7.9	8.0	8.3	8.7
8H 4H	8.2	8.6	8.6	8.9	9.3	7.6	8.0	8.0	8.4	8.7
6H	8.1	8.4	8.6	8.8	9.2	7.5	7.8	8.0	8.2	8.6
8H	8.1	8.3	8.5	8.8	9.2	7.5	7.8	7.9	8.2	8.6
12H	8.0	8.2	8.5	8.7	9.2	7.4	7.7	7.9	8.1	8.6
12H 4H	8.2	8.5	8.6	8.9	9.3	7.6	7.9	8.0	8.3	8.7
6H	8.1	8.3	8.5	8.7	9.2	7.5	7.7	7.9	8.2	8.6
8H	8.0	8.2	8.5	8.7	9.1	7.4	7.7	7.9	8.1	8.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 5.5					+ 2.3 / - 6.0				
1.5H	+ 2.0 / - 4.6					+ 2.0 / - 4.4				
2.0H	+ 5.0 / -10.7					+ 5.0 / -11.1				

CIE Pub.117, 752.1 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -1.0$)

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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

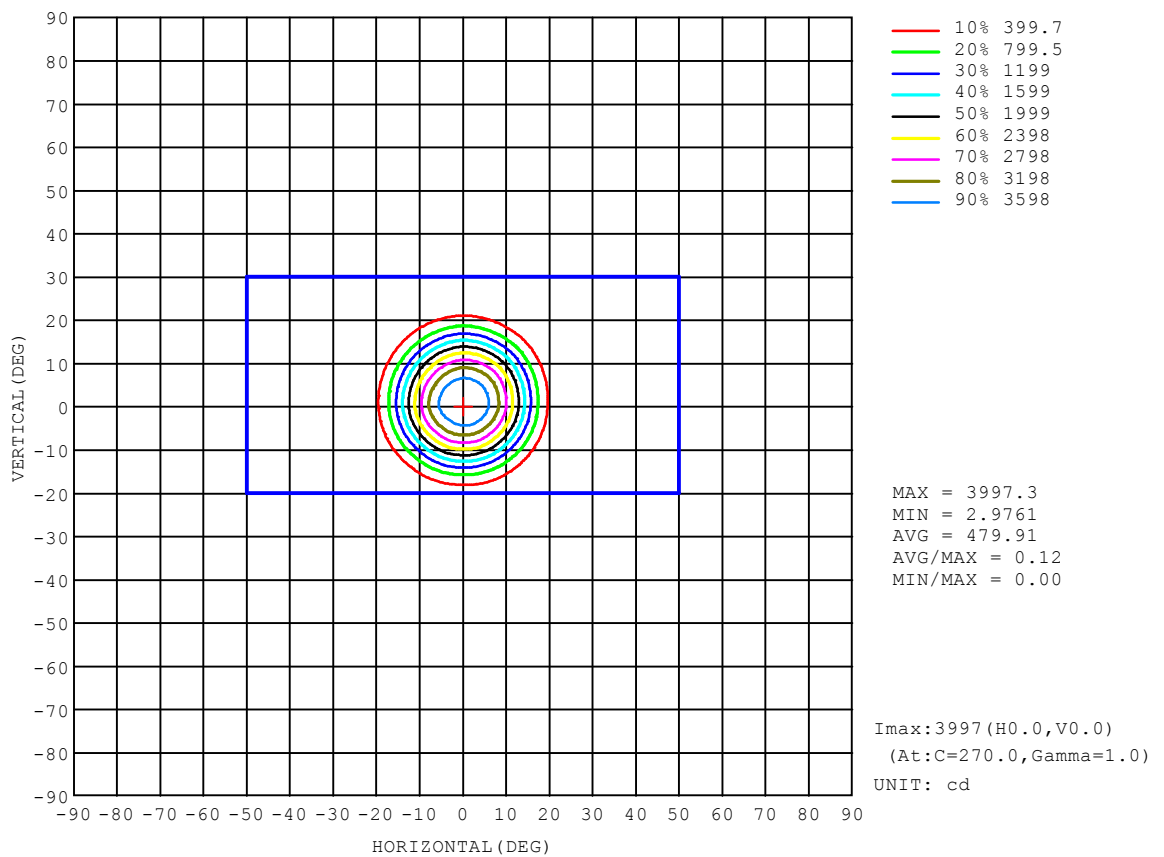
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	81	90	85	81	89	84	81	78
0.80	98	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
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	109	107	111	108	106	108	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

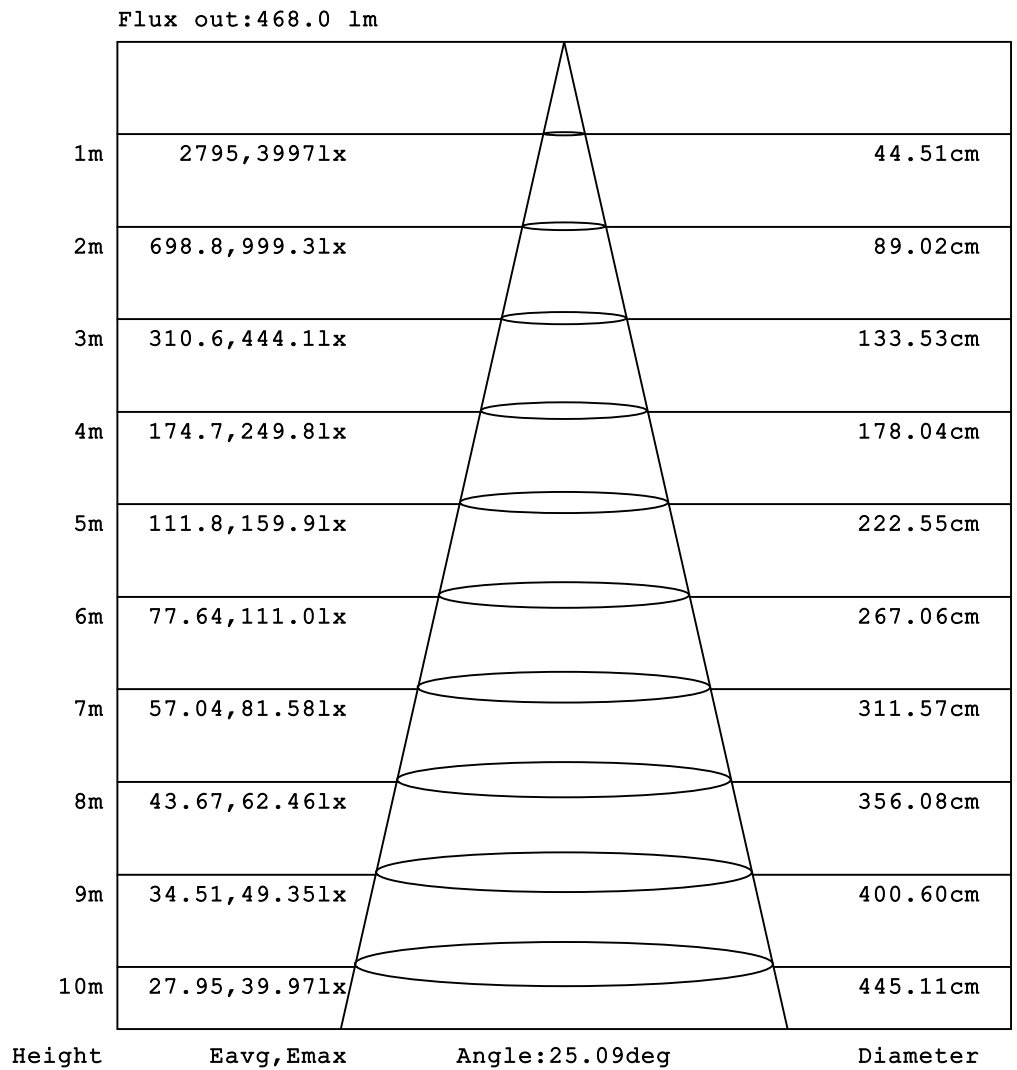


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-9

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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



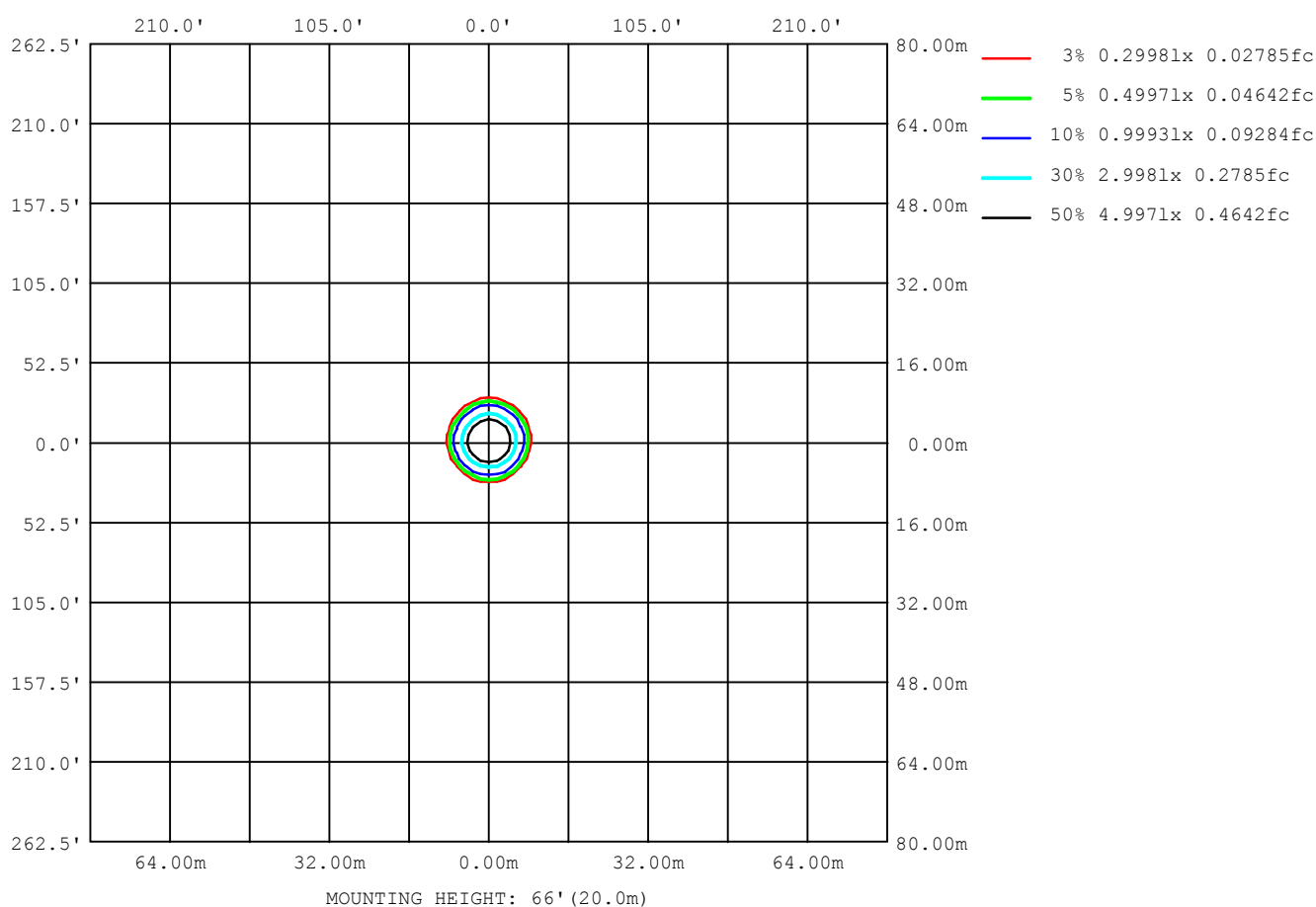
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	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:0.1775A P:8.5195W PF:1.0000 Freq:49.99Hz Lamp Flux:752.09x1 lm		
NAME: 6884	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

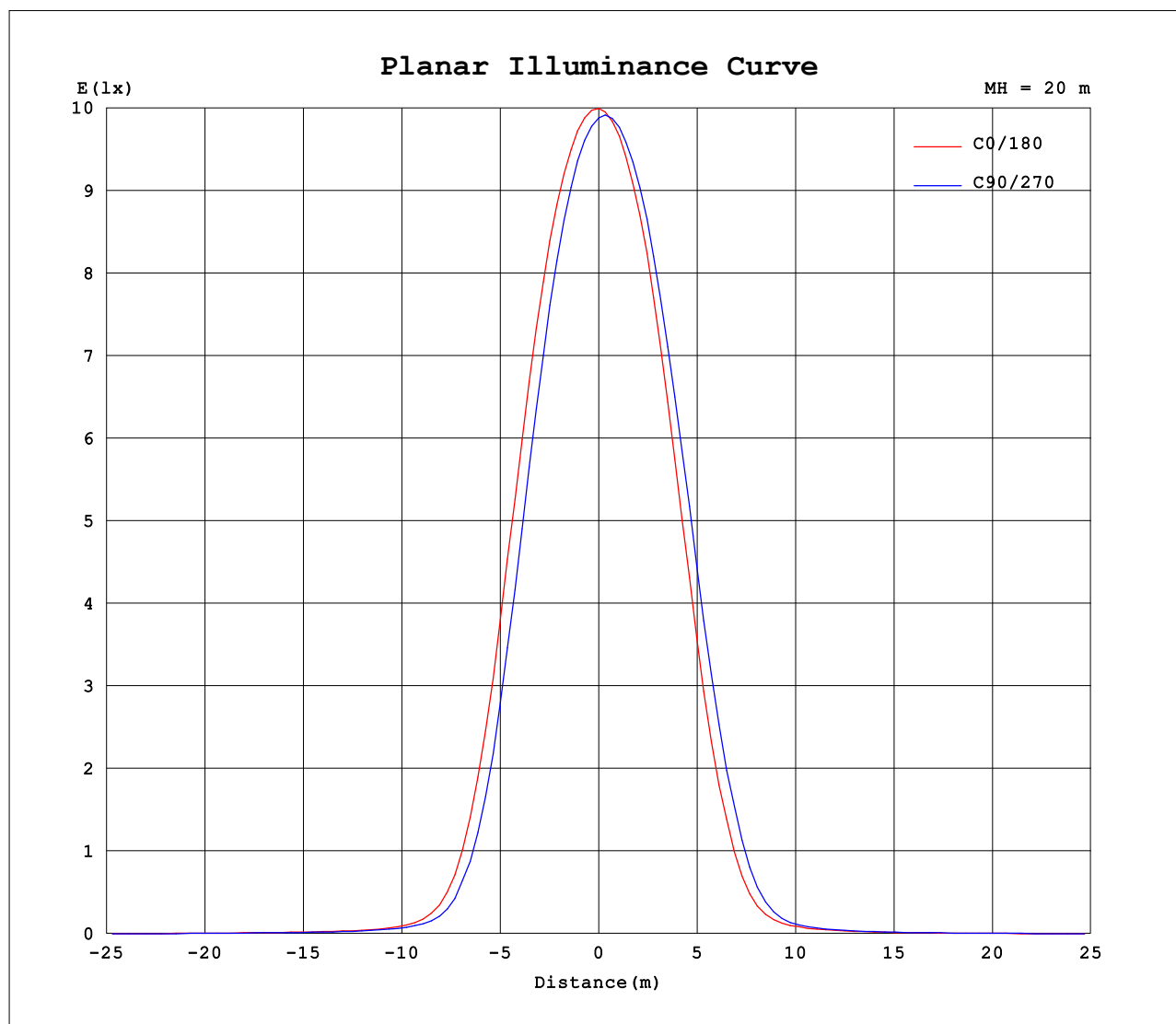
AvgL	cd/m2
L_0~180 (65) av	553
L_0~180 (75) av	186
L_0~180 (85) av	474
L_90~270 (65) av	585
L_90~270 (75) av	175
L_90~270 (85) av	480
L_45 (65) av	561
L_45 (75) av	175
L_45 (85) av	419

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:

```