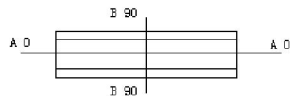
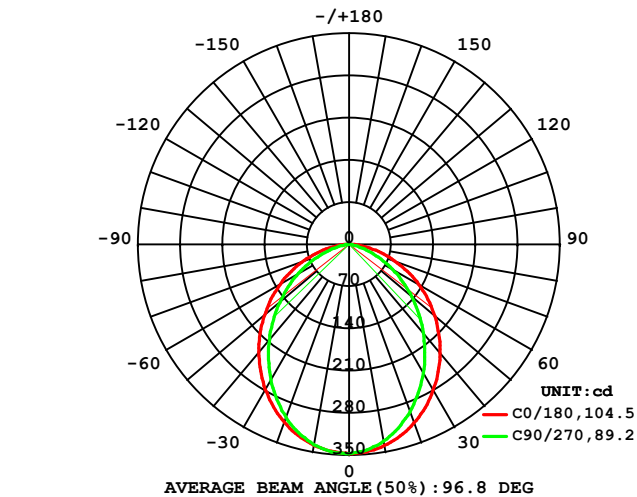


LUMINAIRE PHOTOMETRIC TEST REPORT

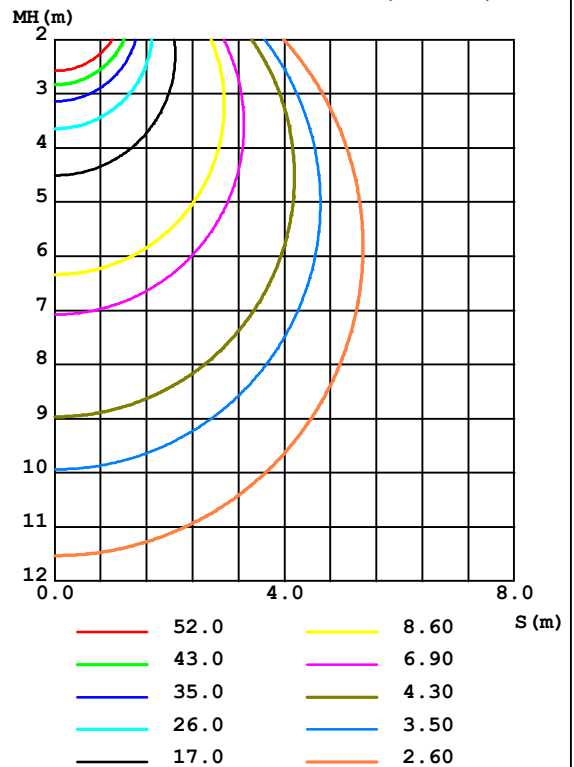
Test:U:47.997V I:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 47.32 lm/W			
MODEL		I _{max} (cd)	347.2	S/MH(C0/180)	1.20
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	DC48	TOTAL FLUX(lm)	800.76	η UP,DN(C0-180)	0.0,48.8
NOMINAL FLUX(lm)	800.76	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	48	η down (%)	100.0	CIBSE SHR MAX	1.30

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:2024-12-12

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:

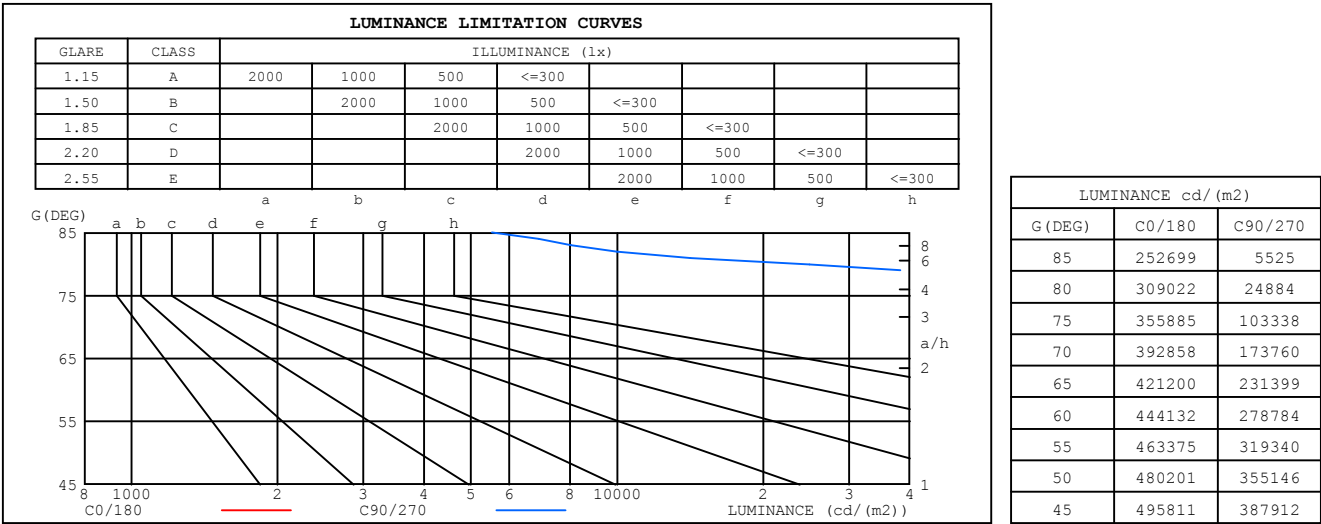
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	339.2	335.1	331.7	333.7	338.3	338.0	337.2	338.9	0- 10	32.62	32.62	4.07,4.07
20	315.9	305.1	295.7	302.3	314.3	310.5	305.9	311.6	10- 20	91.23	123.9	15.5,15.5
30	280.0	262.1	246.9	258.1	278.1	269.2	259.7	270.2	20- 30	132.4	256.3	32,32
40	235.6	211.6	192.2	207.0	233.3	219.6	206.2	220.2	30- 40	150.7	407.0	50.8,50.8
50	186.0	158.2	136.7	153.3	183.9	166.4	150.7	166.7	40- 50	146.0	553.1	69.1,69.1
60	133.8	104.5	83.50	99.71	131.9	112.6	96.96	112.7	50- 60	121.6	674.6	84.2,84.2
70	80.96	53.12	35.60	49.08	79.33	60.67	47.41	60.66	60- 70	82.63	757.3	94.6,94.6
80	32.33	10.87	2.588	8.540	31.31	16.13	8.571	16.10	70- 80	37.70	795.0	99.3,99.3
90	0.2773	0.1658	0.1213	0.1211	0.1887	0.1216	0.0882	0.1431	80- 90	5.811	800.8	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:2024-12-12

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



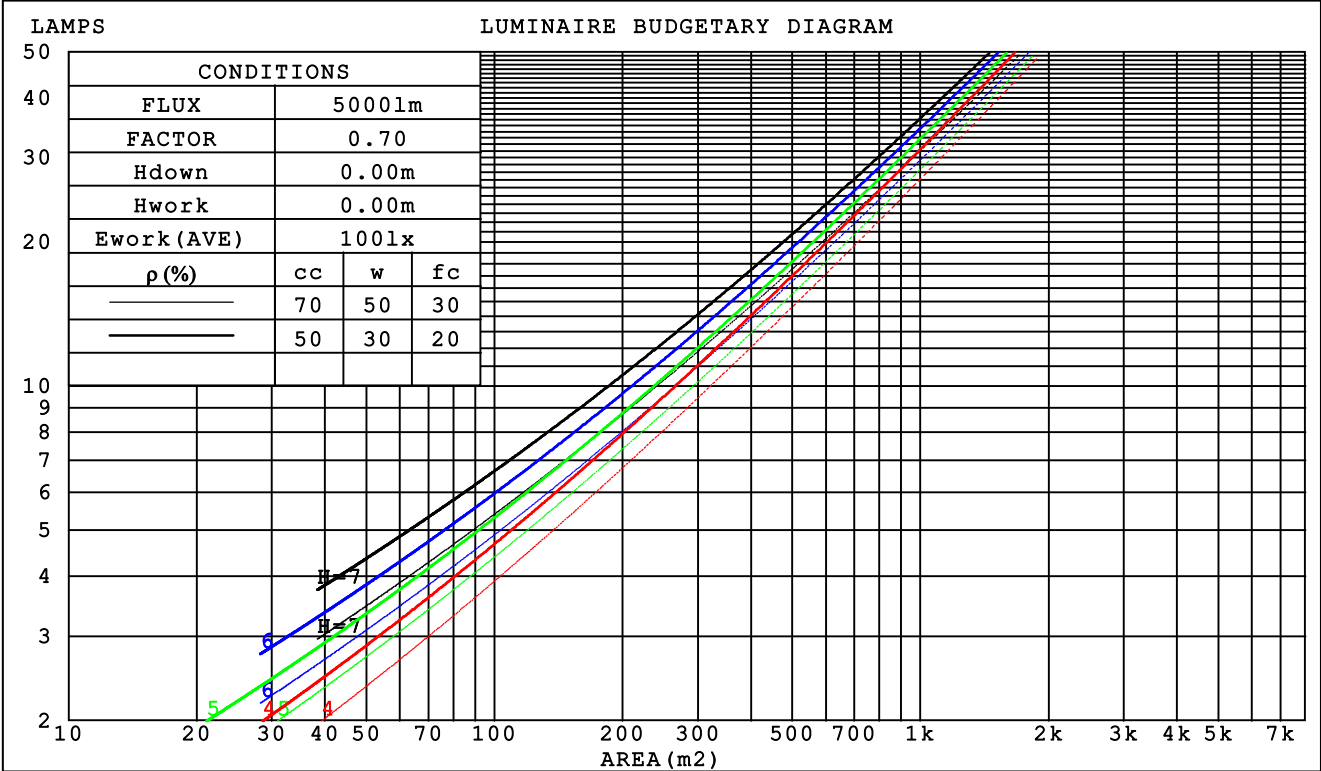
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-12

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	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															



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

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm					
NAME: 6869			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	.277	.158	.050	.270	.154	.049	.257	.148	.047	.245	.142	.045	.234	.136	.044		
2.0	.267	.146	.045	.261	.144	.044	.249	.139	.043	.239	.134	.042	.229	.130	.041		
3.0	.251	.133	.040	.245	.131	.040	.235	.127	.039	.226	.124	.038	.217	.120	.037		
4.0	.234	.121	.036	.229	.120	.035	.220	.117	.035	.212	.114	.034	.204	.111	.034		
5.0	.218	.111	.032	.213	.110	.032	.206	.107	.032	.198	.105	.031	.191	.102	.031		
6.0	.203	.102	.029	.199	.101	.029	.192	.099	.029	.186	.097	.028	.180	.095	.028		
7.0	.190	.094	.027	.187	.093	.027	.180	.091	.026	.174	.089	.026	.169	.088	.026		
8.0	.178	.087	.024	.175	.086	.024	.170	.085	.024	.164	.083	.024	.159	.082	.024		
9.0	.168	.081	.023	.165	.080	.023	.160	.079	.022	.155	.078	.022	.151	.076	.022		
10.0	.158	.076	.021	.156	.075	.021	.151	.074	.021	.147	.073	.021	.143	.072	.021		

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	.178	.156	.137	.152	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.098	.067	.095	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.146	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.041	.119	.071	.035	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.126	.069	.030	.108	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.120	.064	.026	.103	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.036	.014	.040	.022	.009	.013	.007	.003	

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

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm										
NAME: 6869					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	34.8	36.2	35.1	36.4	36.6	33.3	34.7	33.5	34.9	35.1
3H	36.2	37.5	36.5	37.8	38.0	34.0	35.3	34.3	35.5	35.8
4H	36.8	38.0	37.1	38.3	38.5	34.1	35.4	34.4	35.6	35.9
6H	37.1	38.3	37.5	38.6	38.9	34.0	35.2	34.4	35.5	35.8
8H	37.2	38.4	37.6	38.7	38.9	34.0	35.1	34.3	35.4	35.7
12H	37.3	38.4	37.6	38.7	39.0	33.9	35.0	34.3	35.3	35.6
4H 2H	35.1	36.4	35.4	36.6	36.9	33.9	35.1	34.2	35.4	35.6
3H	36.7	37.8	37.0	38.1	38.4	34.8	35.8	35.1	36.1	36.4
4H	37.3	38.3	37.7	38.6	39.0	34.9	35.9	35.3	36.2	36.6
6H	37.8	38.7	38.2	39.0	39.4	34.9	35.8	35.3	36.1	36.5
8H	37.9	38.7	38.3	39.1	39.5	34.9	35.7	35.3	36.0	36.4
12H	38.0	38.8	38.5	39.2	39.6	34.8	35.6	35.2	36.0	36.4
8H 4H	37.3	38.1	37.7	38.5	38.9	35.1	35.9	35.5	36.3	36.7
6H	37.9	38.5	38.3	38.9	39.4	35.1	35.8	35.6	36.2	36.6
8H	38.1	38.6	38.5	39.1	39.5	35.1	35.7	35.5	36.1	36.6
12H	38.2	38.7	38.7	39.2	39.6	35.1	35.6	35.5	36.0	36.5
12H 4H	37.3	38.0	37.7	38.4	38.8	35.1	35.9	35.5	36.2	36.6
6H	37.8	38.4	38.3	38.8	39.3	35.1	35.7	35.6	36.1	36.6
8H	38.0	38.5	38.5	39.0	39.5	35.1	35.6	35.6	36.1	36.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.2					+ 0.3 / - 0.5				
2.0H	+ 0.5 / - 0.6					+ 0.5 / - 1.0				

CIE Pub.117, 800.8 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.8$)

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

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

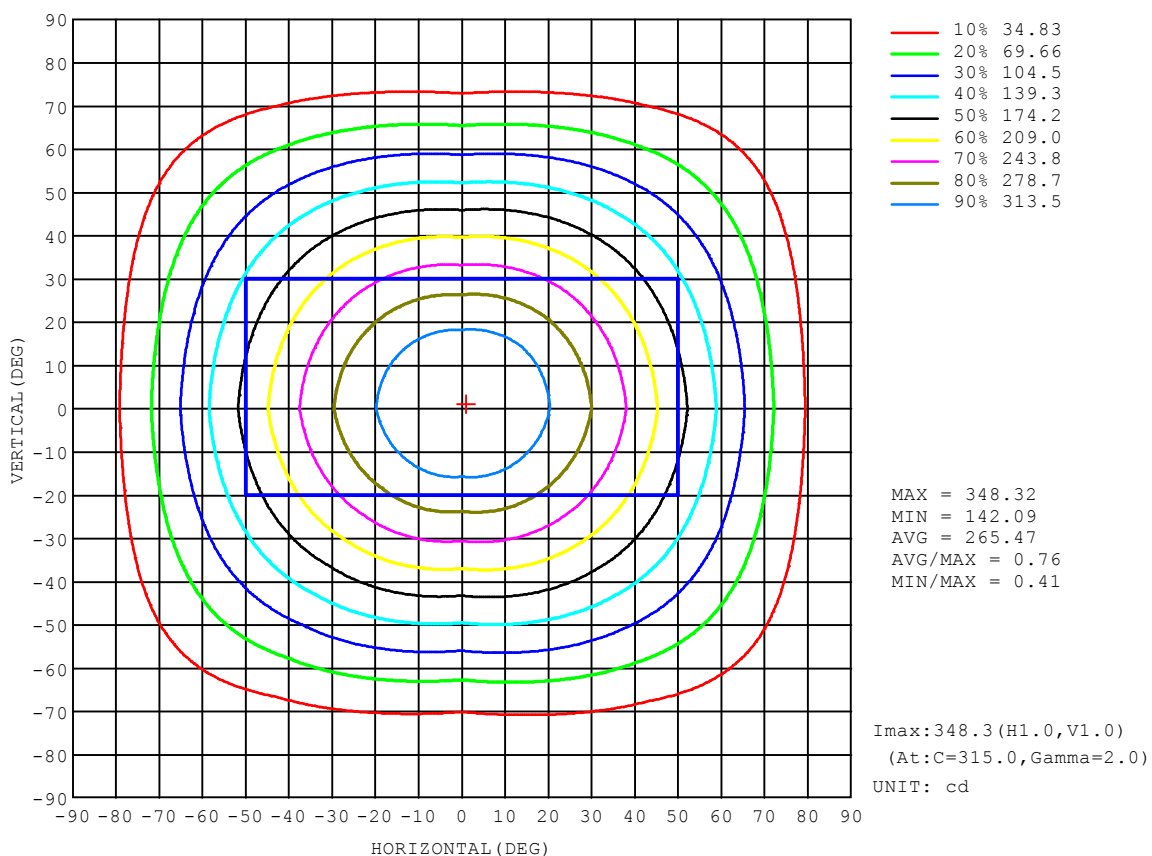
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	50	43	60	50	43	59	49	43	37
0.80	71	60	53	70	60	53	68	59	53	46
1.00	79	69	62	78	69	62	76	70	62	55
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	90	81	75	87	79	74	67
2.00	98	90	84	96	89	83	92	86	82	74
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	99	105	101	97	101	98	95	86
5.00	110	106	102	108	104	100	103	100	97	89
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:2024-12-12

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

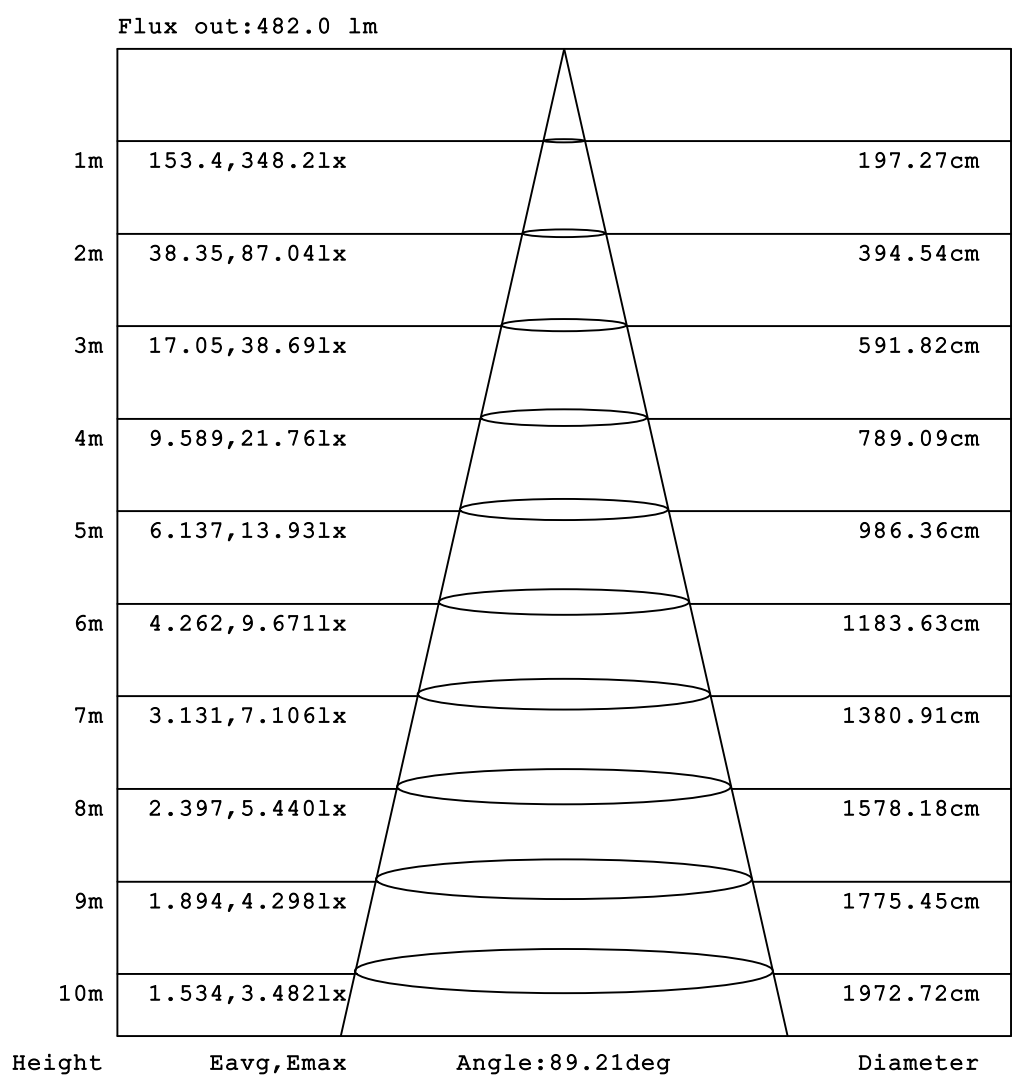


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-12

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



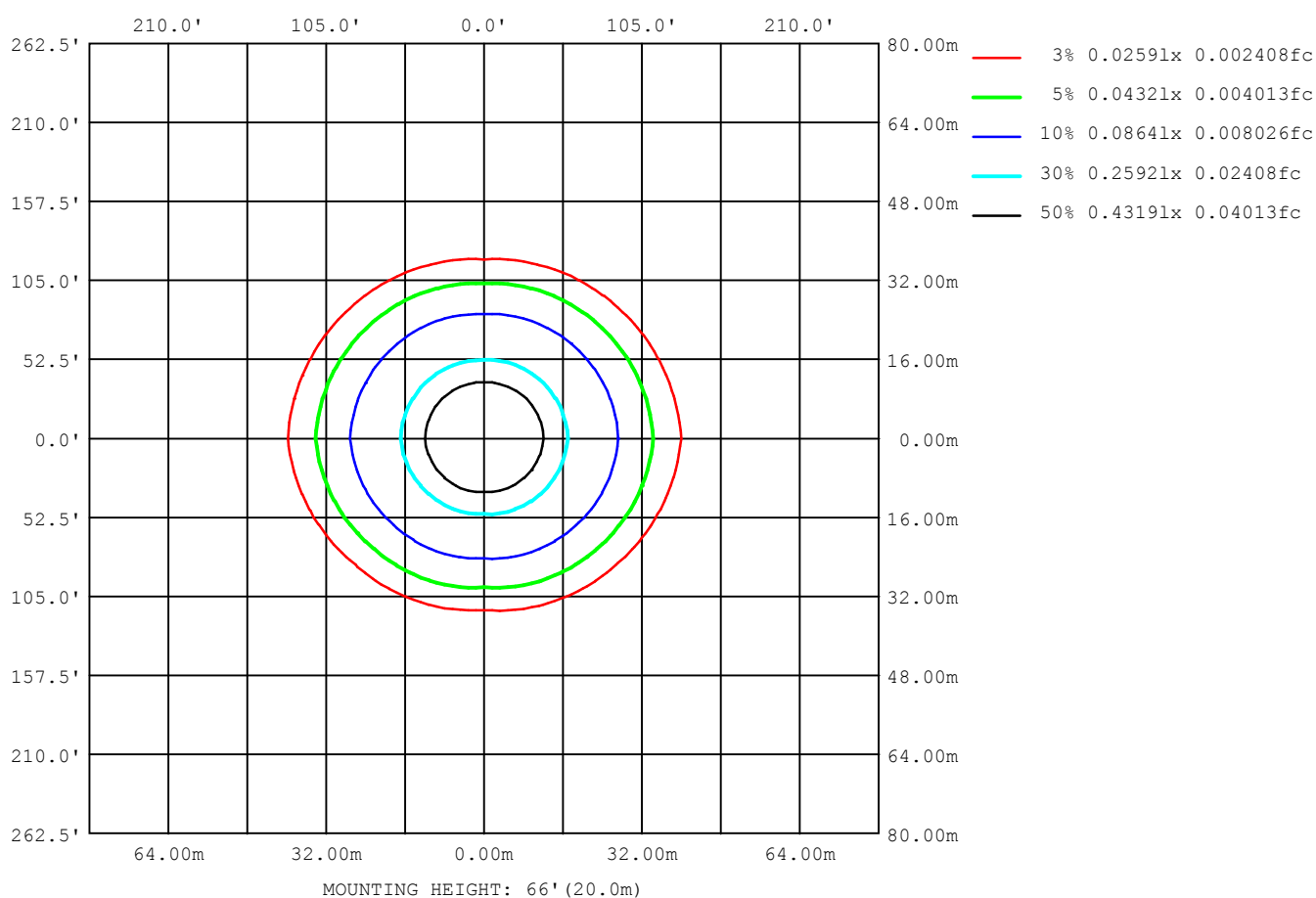
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	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:2024-12-12

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:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6869	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

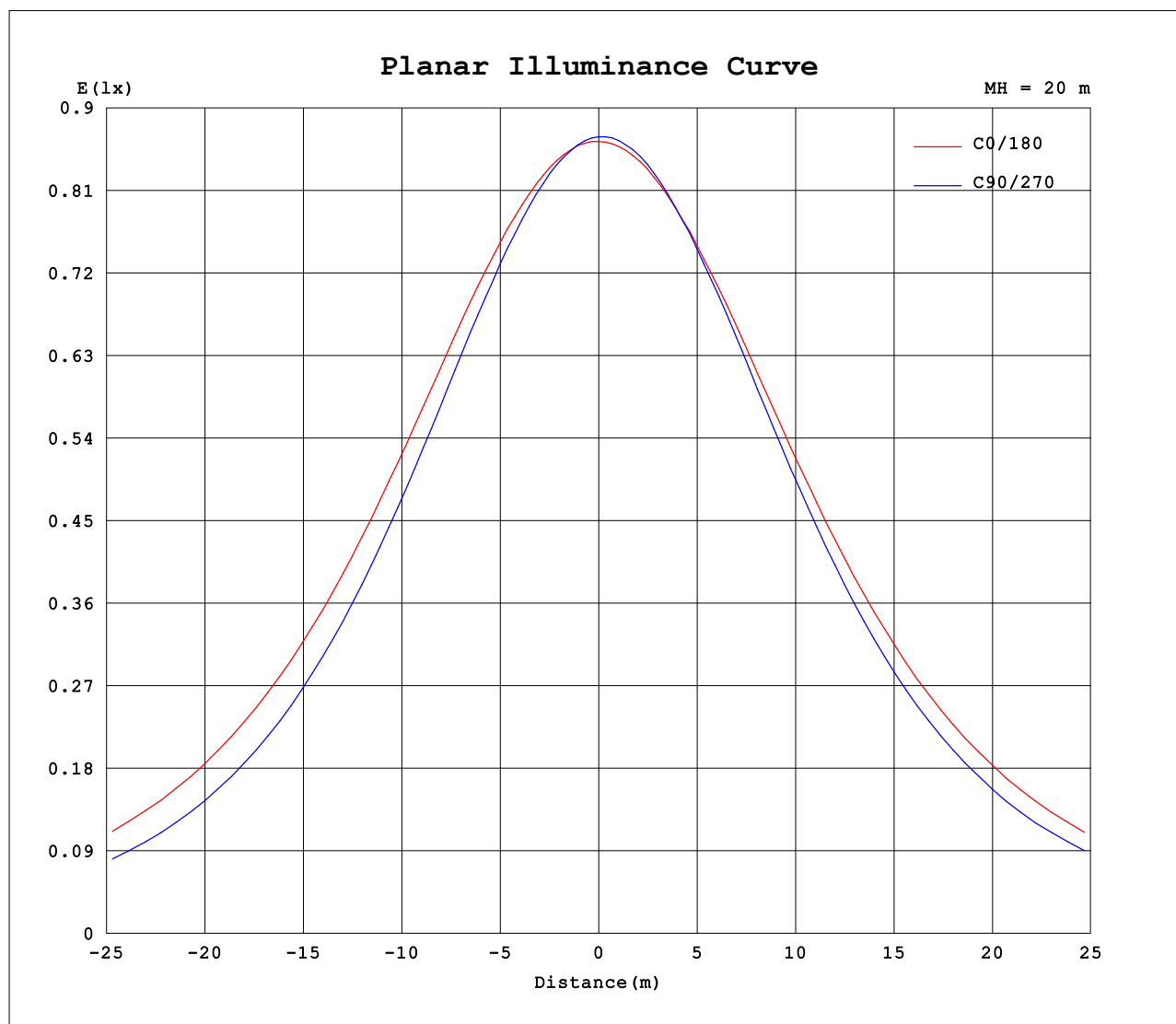
AvgL	cd/m2
L_0~180 (65) av	419520
L_0~180 (75) av	353327
L_0~180 (85) av	248874
L_90~270 (65) av	256333
L_90~270 (75) av	135073
L_90~270 (85) av	8006
L_45 (65) av	320571
L_45 (75) av	209628
L_45 (85) av	22514

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:2024-12-12

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: 2024-12-12

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:

[illegible]

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:

```