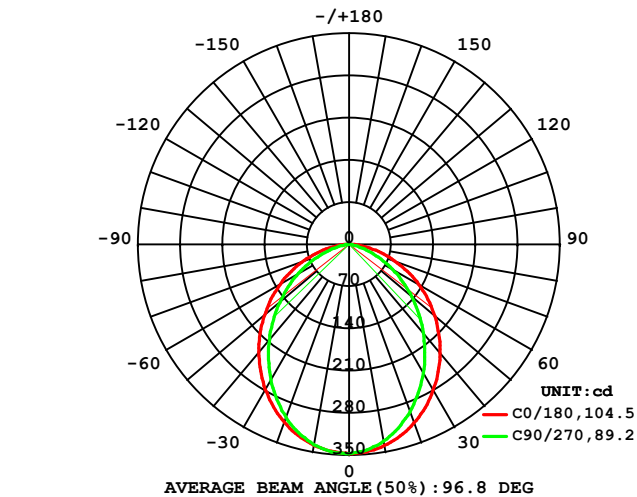


LUMINAIRE PHOTOMETRIC TEST REPORT

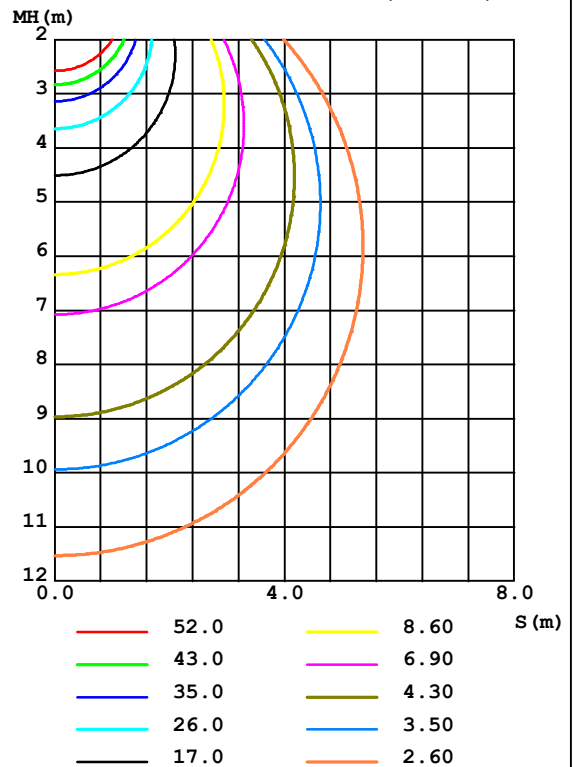
Test:U:47.997V I:0.3526A P:16.924W PF:1.0000 Freq:49.99Hz Lamp Flux:800.76x1 lm		
NAME: 6868	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

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:

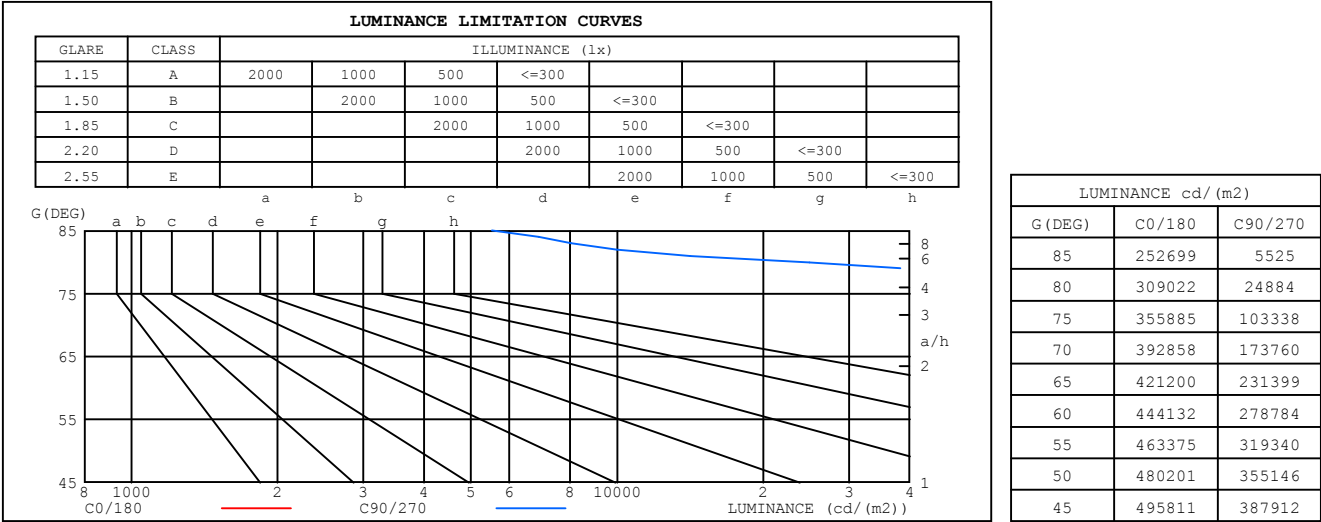
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	339.2	335.1	331.7	333.7	338.3	338.0	337.2	338.9	0~ 10	32.62	32.62	4.07,4.07
20	315.9	305.1	295.7	302.3	314.3	310.5	305.9	311.6	10~ 20	91.23	123.9	15.5,15.5
30	280.0	262.1	246.9	258.1	278.1	269.2	259.7	270.2	20~ 30	132.4	256.3	32,32
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: 6868	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



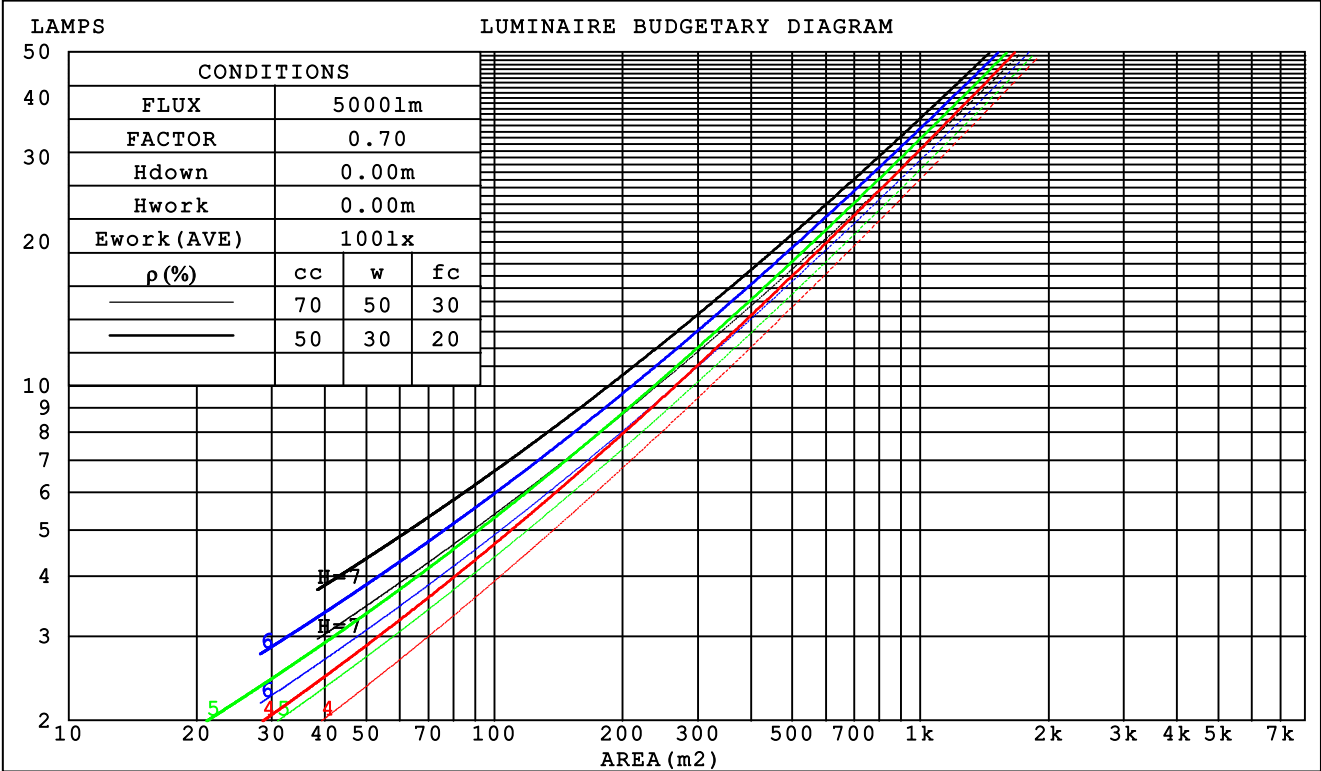
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-12

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: 6868	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: 6868			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: 6868					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: 6868	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

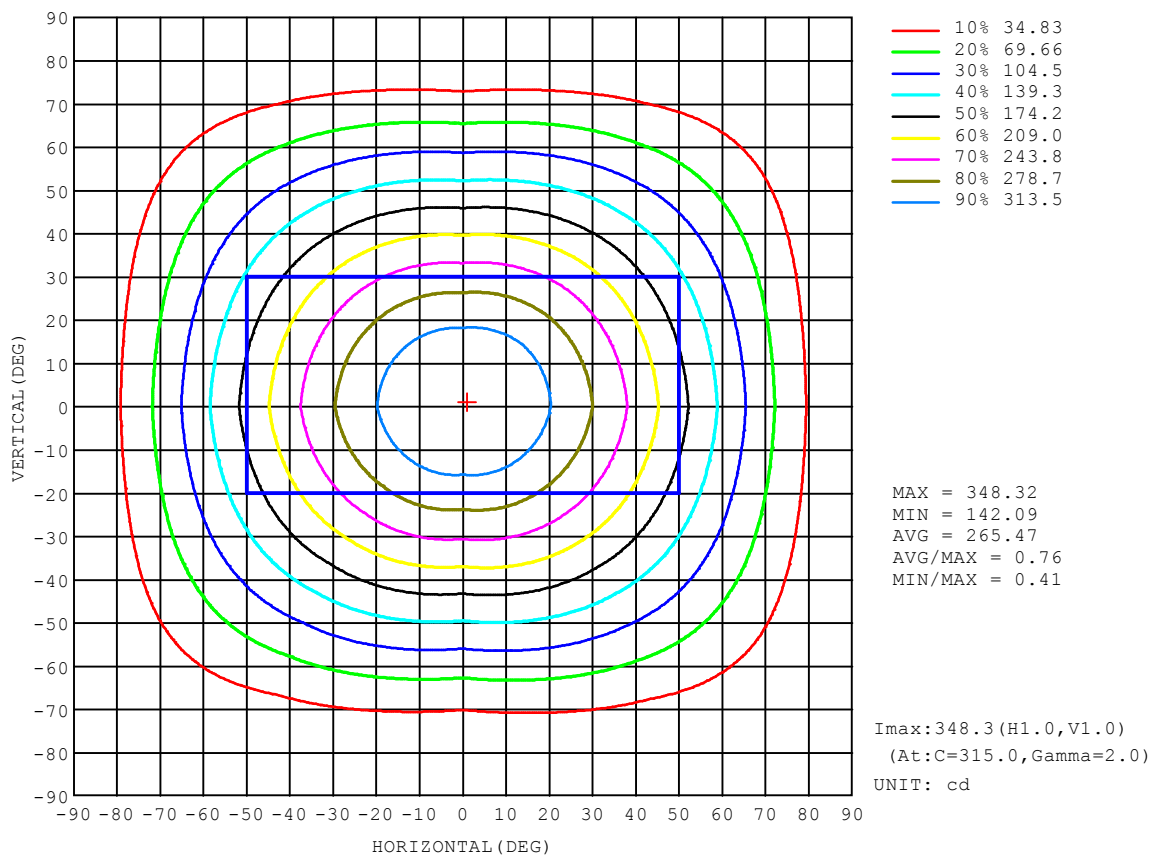
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	50	43	60	50	43	59	49	43	37
0.80	71	60	53	70	60	53	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: 6868	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

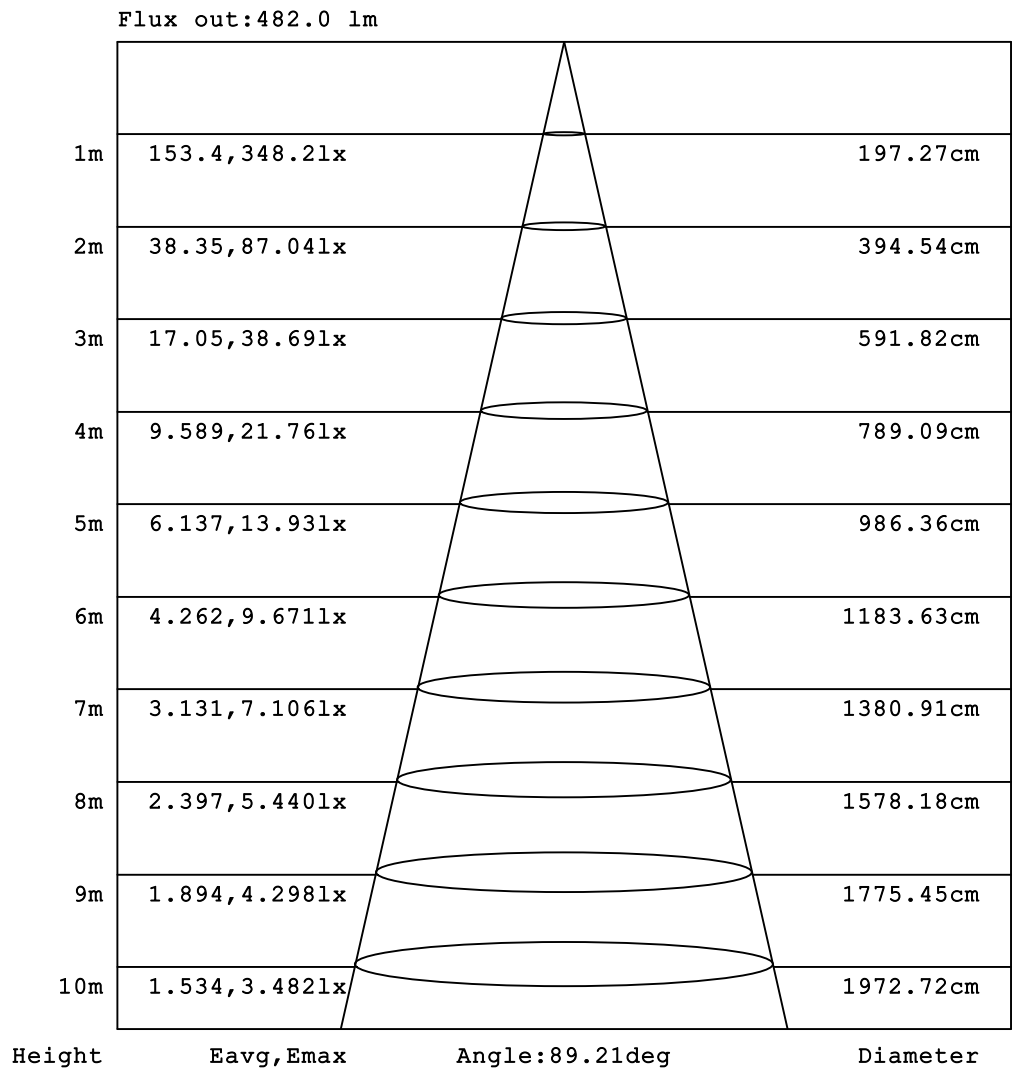


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2024-12-12

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: 6868	TYPE:	WEIGHT:
SPEC.: NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



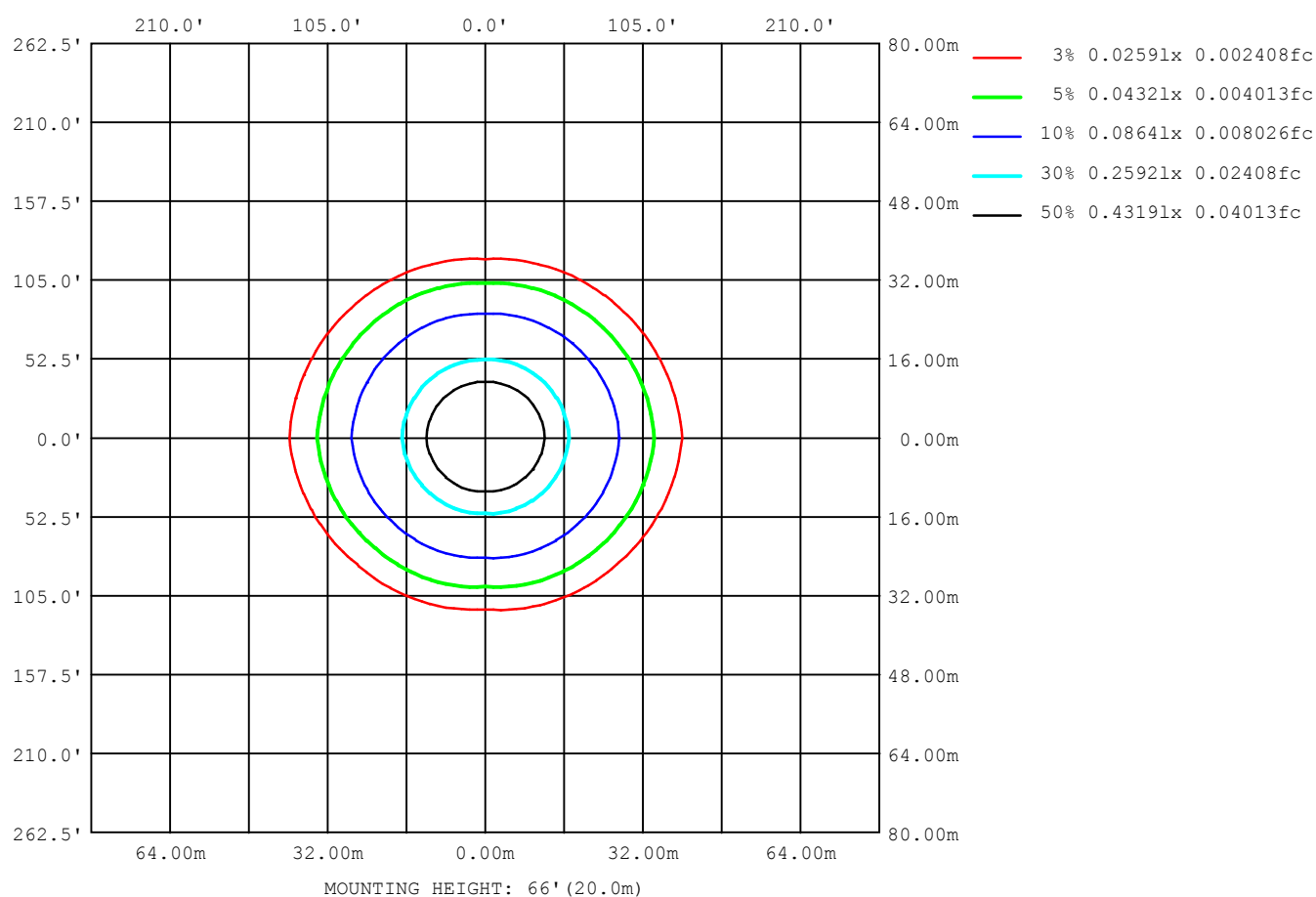
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: 6868	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: 6868	TYPE:	WEIGHT:
SPEC.:NORDECOR	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

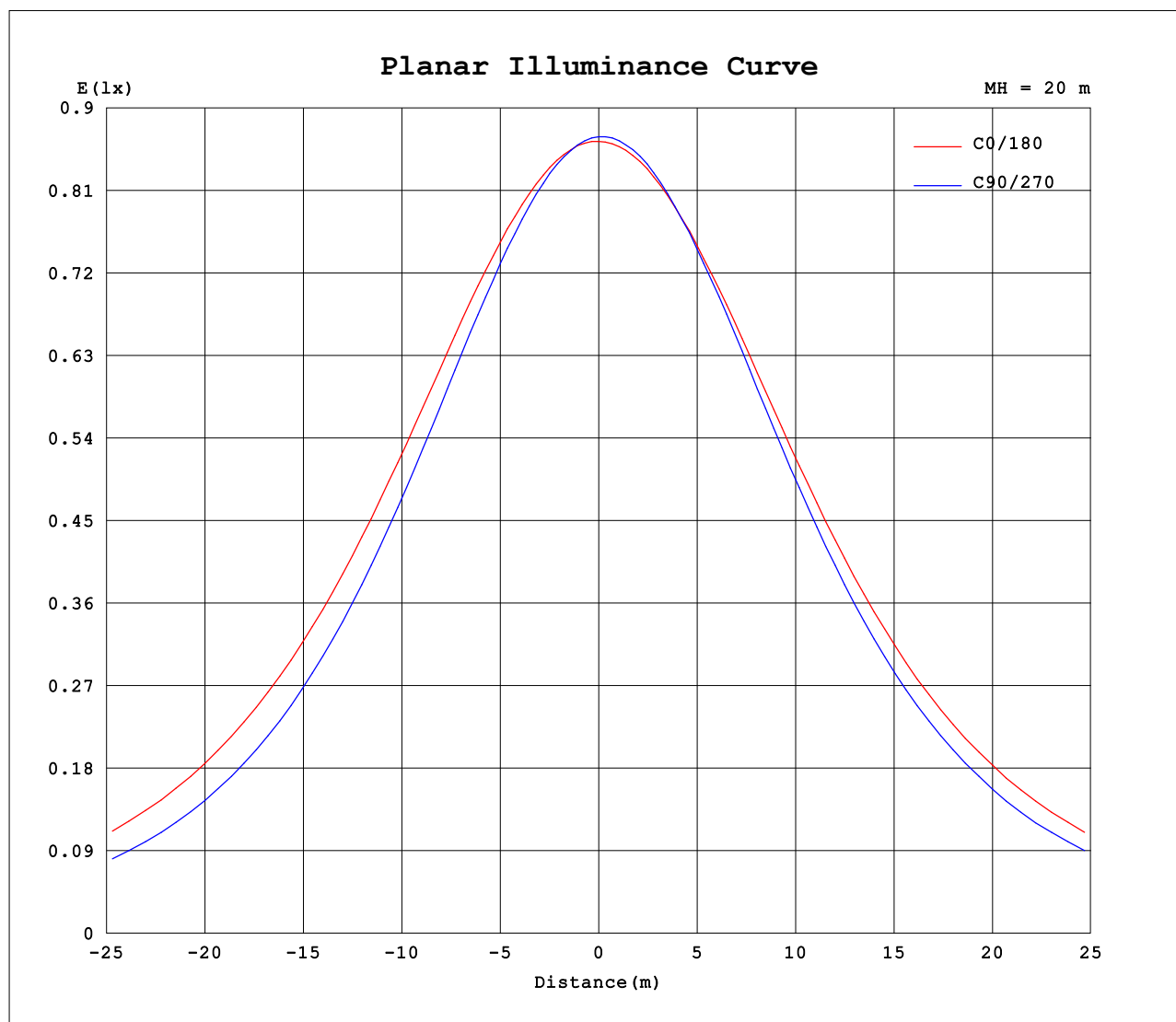
AvgL	cd/m2
L_0~180 (65) av	419520
L_0~180 (75) av	353327
L_0~180 (85) av	248874
L_90~270 (65) av	256333
L_90~270 (75) av	135073
L_90~270 (85) av	8006
L_45 (65) av	320571
L_45 (75) av	209628
L_45 (85) av	22514

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:

Year	Number of cases	Percentage of cases
2010	10	10.0%
2011	15	15.0%
2012	20	20.0%
2013	25	25.0%
2014	30	30.0%
2015	35	35.0%
2016	40	40.0%
2017	45	45.0%
2018	50	50.0%
2019	55	55.0%
2020	60	60.0%
2021	65	65.0%
2022	70	70.0%
2023	75	75.0%
2024	80	80.0%
2025	85	85.0%
2026	90	90.0%
2027	95	95.0%
2028	100	100.0%
2029	105	105.0%
2030	110	110.0%
2031	115	115.0%
2032	120	120.0%
2033	125	125.0%
2034	130	130.0%
2035	135	135.0%
2036	140	140.0%
2037	145	145.0%
2038	150	150.0%
2039	155	155.0%
2040	160	160.0%
2041	165	165.0%
2042	170	170.0%
2043	175	175.0%
2044	180	180.0%
2045	185	185.0%
2046	190	190.0%
2047	195	195.0%
2048	200	200.0%
2049	205	205.0%
2050	210	210.0%
2051	215	215.0%
2052	220	220.0%
2053	225	225.0%
2054	230	230.0%
2055	235	235.0%
2056	240	240.0%
2057	245	245.0%
2058	250	250.0%
2059	255	255.0%
2060	260	260.0%
2061	265	265.0%
2062	270	270.0%
2063	275	275.0%
2064	280	280.0%
2065	285	285.0%
2066	290	290.0%
2067	295	295.0%
2068	300	300.0%
2069	305	305.0%
2070	310	310.0%
2071	315	315.0%
2072	320	320.0%
2073	325	325.0%
2074	330	330.0%
2075	335	335.0%
2076	340	340.0%
2077	345	345.0%
2078	350	350.0%
2079	355	355.0%
2080	360	360.0%
2081	365	365.0%
2082	370	370.0%
2083	375	375.0%
2084	380	380.0%
2085	385	385.0%
2086	390	390.0%
2087	395	395.0%
2088	400	400.0%
2089	405	405.0%
2090	410	410.0%
2091	415	415.0%
2092	420	420.0%
2093	425	425.0%
2094	430	430.0%
2095	435	435.0%
2096	440	440.0%
2097	445	445.0%
2098	450	450.0%
2099	455	455.0%
2100	460	460.0%

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:

```