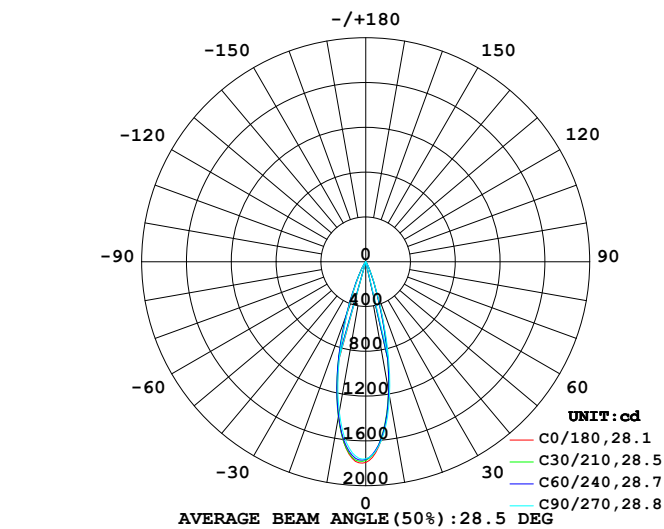


LUMINAIRE PHOTOMETRIC TEST REPORT

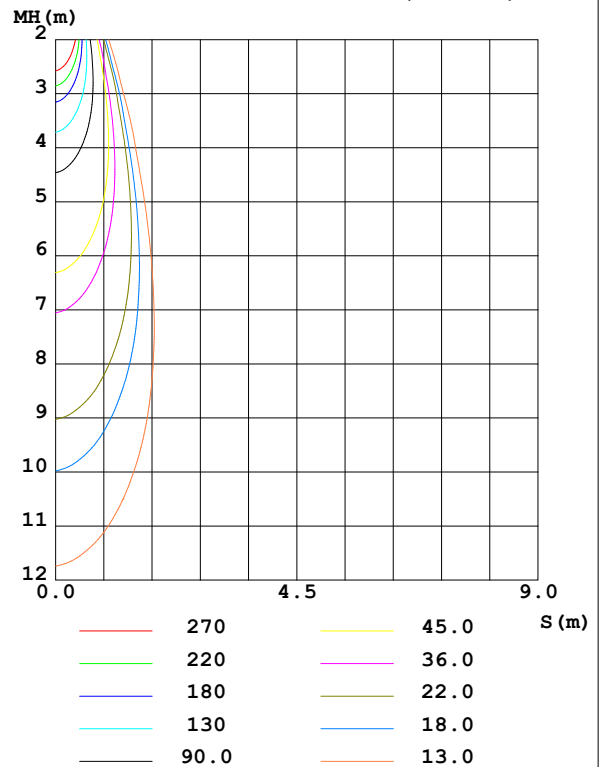
Test:U:219.93V I:0.0953A P:7.5107W PF:0.3582 Freq:50.00Hz Lamp Flux:451.988x1 lm		
NAME:6852	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:6582
MFR.:NORDECOR	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.18 lm/W			
MODEL		Imax (cd)	1798	S/MH (C0/180)	0.50
NOMINAL POWER(W)	--	LOR (%)	100.0	S/MH (C90/270)	0.50
RATED VOLTAGE (V)	--	TOTAL FLUX(lm)	486.55	η UP,DN (C0-180)	0.0,45.4
NOMINAL FLUX(lm)	486.55	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,54.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	--	η down (%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [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	1184	1178	1224	1292	1397	1405	1363	1246	0~ 10	144.9	144.9	32.1, 32.1
20	274.1	261.8	283.9	367.7	481.3	505.3	480.9	355.1	10~ 20	216.1	361.0	79.9, 79.9
30	35.89	33.49	37.50	51.74	70.65	77.69	71.24	49.51	20~ 30	72.83	433.9	96, 96
40	5.977	5.597	6.403	8.487	11.62	13.25	11.24	8.260	30~ 40	15.00	448.9	99.3, 99.3
50	0.5234	0.5035	0.7162	0.8537	1.057	1.050	1.057	0.8088	40~ 50	2.670	451.5	99.9, 99.9
60	0.1054	0.1123	0.1355	0.1493	0.1676	0.1891	0.1614	0.1316	50~ 60	0.3568	451.9	100, 100
70	0.0337	0.0345	0.0418	0.0409	0.0426	0.0514	0.0464	0.0427	60~ 70	0.0781	452.0	100, 100
80	0.0024	0.0024	0.0056	0.0080	0.0088	0.0129	0.0088	0.0112	70~ 80	0.0234	452.0	100, 100
90	0	0	0	0	0	0	0	0	80~ 90	0.0015	452.0	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		

Conical surface Flux(90deg): 450.89 lm

%lum = 99.8%

%lamp = 99.8%

Conical surface Flux(120deg): 451.88 lm

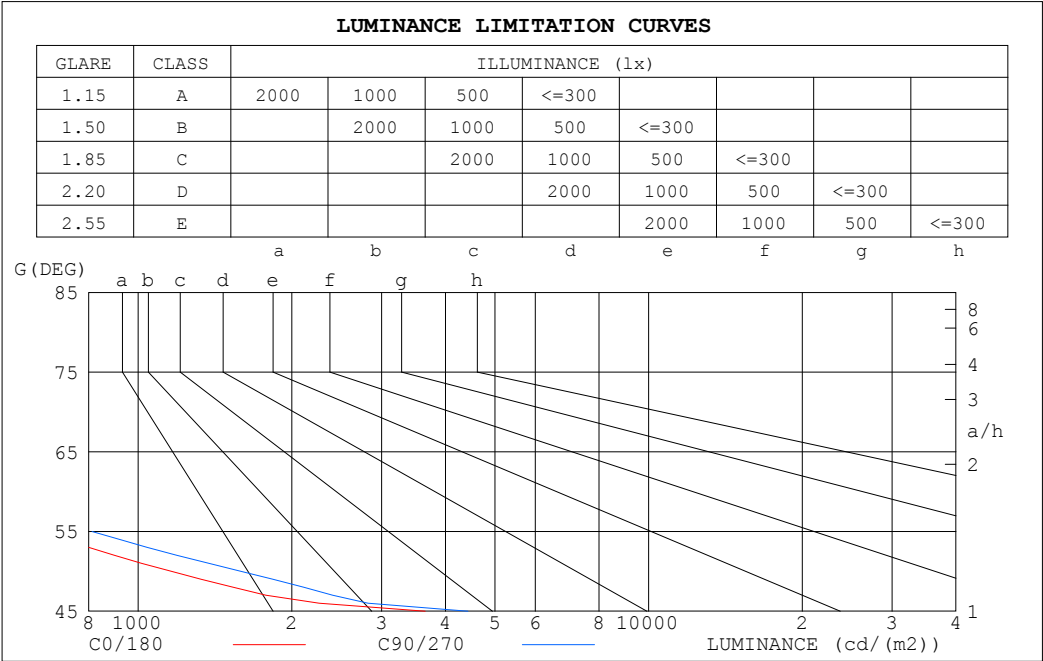
%lum = 100.0%

%lamp = 100.0%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES



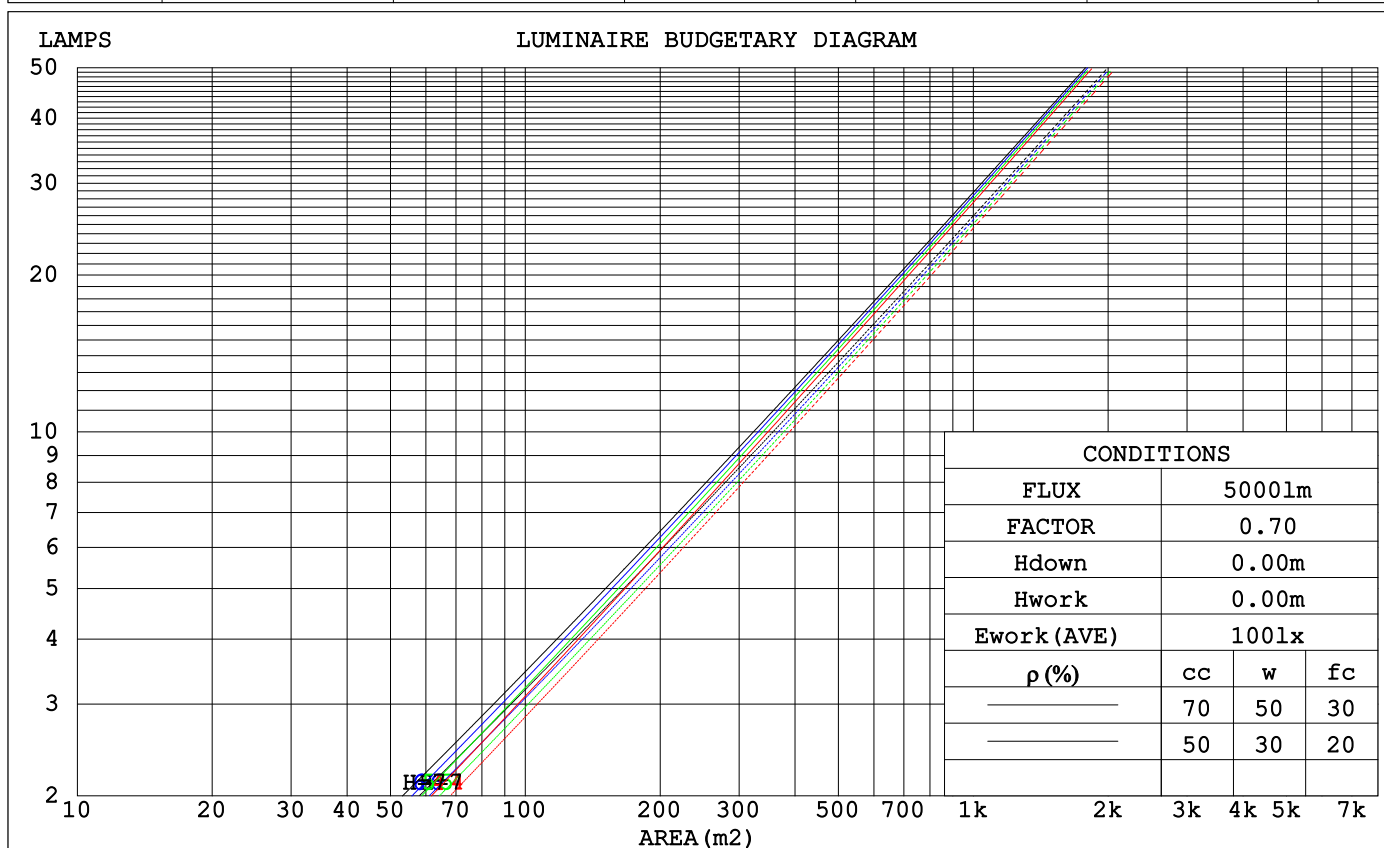
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	20	46
75	93	116
70	141	175
65	206	250
60	301	387
55	623	813
50	1163	1592
45	3650	4427

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.99	.96	1.02	.98	.96	.99	.96	.94	.97	.95	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.91	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.86	.84	.89	.86	.83	.87	.85	.83	.82
7.0	.89	.85	.82	.88	.84	.81	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79
8.0	.86	.82	.79	.85	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
9.0	.83	.79	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75
10.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.74	.79	.76	.74	.73



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

WEC AND CCEC

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	.137	.078	.025	.131	.075	.024	.118	.068	.022	.107	.062	.020	.096	.056	.018	
2.0	.127	.070	.021	.122	.067	.021	.112	.062	.019	.102	.057	.018	.093	.053	.017	
3.0	.119	.063	.019	.114	.061	.018	.106	.057	.017	.098	.054	.016	.091	.050	.016	
4.0	.111	.058	.017	.108	.056	.017	.100	.053	.016	.094	.050	.015	.088	.048	.014	
5.0	.105	.054	.016	.102	.052	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014	
6.0	.100	.050	.014	.097	.049	.014	.092	.047	.014	.087	.045	.013	.082	.043	.013	
7.0	.095	.047	.013	.092	.046	.013	.088	.044	.013	.084	.043	.012	.079	.041	.012	
8.0	.091	.044	.012	.088	.044	.012	.084	.042	.012	.081	.041	.012	.077	.040	.012	
9.0	.087	.042	.012	.085	.041	.012	.081	.040	.011	.078	.039	.011	.075	.038	.011	
10.0	.083	.040	.011	.082	.039	.011	.078	.038	.011	.075	.037	.011	.072	.036	.010	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.168	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.105	.085	.068	.073	.059	.048	.042	.035	.029	.014	.011	.009	
5.0	.112	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.056	.089	.066	.048	.061	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.096	.067	.047	.083	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.090	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004	
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.028	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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	6.8	7.5	7.1	7.7	7.8	7.0	7.7	7.2	7.8	8.0
3H	6.7	7.3	6.9	7.5	7.7	6.9	7.5	7.1	7.7	7.8
4H	6.6	7.2	6.9	7.4	7.6	6.8	7.4	7.0	7.6	7.8
6H	6.5	7.1	6.8	7.3	7.6	6.7	7.3	7.0	7.5	7.7
8H	6.5	7.0	6.8	7.3	7.5	6.7	7.2	7.0	7.4	7.7
12H	6.4	7.0	6.8	7.2	7.5	6.6	7.1	6.9	7.4	7.6
4H 2H	6.6	7.2	6.9	7.4	7.6	6.8	7.4	7.0	7.6	7.8
3H	6.5	7.0	6.8	7.2	7.5	6.6	7.1	6.9	7.4	7.7
4H	6.4	6.8	6.7	7.1	7.4	6.5	7.0	6.9	7.3	7.6
6H	6.3	6.7	6.6	7.0	7.3	6.4	6.8	6.8	7.2	7.5
8H	6.2	6.6	6.6	6.9	7.3	6.4	6.8	6.8	7.1	7.5
12H	6.1	6.5	6.5	6.9	7.3	6.3	6.7	6.7	7.0	7.4
8H 4H	6.2	6.6	6.6	6.9	7.3	6.4	6.8	6.8	7.1	7.5
6H	6.1	6.4	6.5	6.8	7.2	6.3	6.6	6.7	7.0	7.4
8H	6.0	6.3	6.5	6.7	7.2	6.2	6.5	6.6	6.9	7.3
12H	6.0	6.2	6.4	6.6	7.1	6.1	6.4	6.6	6.8	7.3
12H 4H	6.1	6.5	6.5	6.9	7.3	6.3	6.7	6.7	7.0	7.4
6H	6.0	6.3	6.5	6.7	7.2	6.2	6.5	6.6	6.9	7.3
8H	6.0	6.2	6.4	6.6	7.1	6.1	6.4	6.6	6.8	7.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 4.2 / -16.3					+ 4.2 / -15.3				
1.5H	+ 6.8 / -13.1					+ 6.7 / -12.9				
2.0H	+ 8.4 / - 8.1					+ 8.3 / - 8.5				

CIE Pub.117, 452.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.8)
Area: 0.0007 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

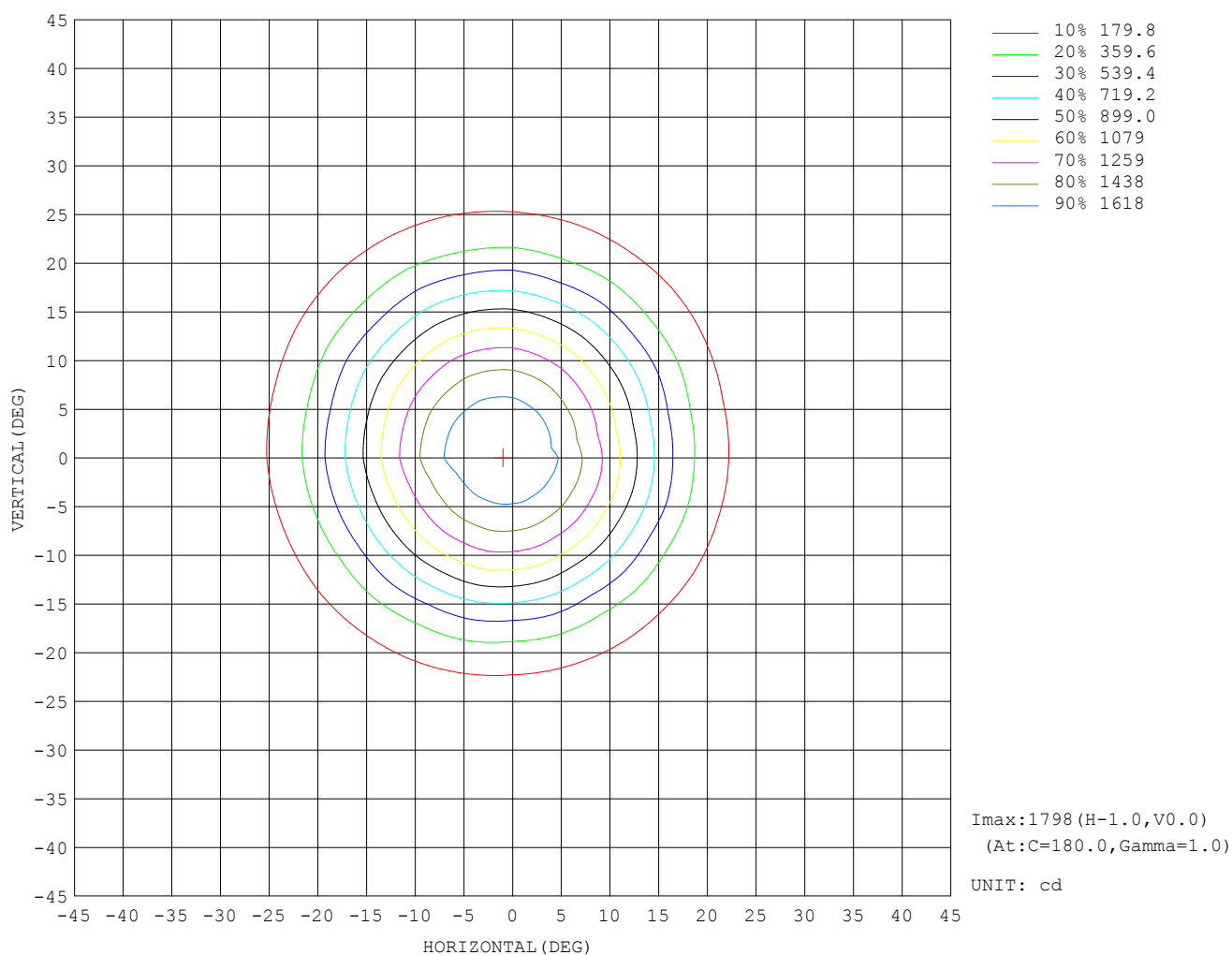
UTILIZATION FACTORS TABLE

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	90	97	93	90	96	92	89	86
1.00	102	97	94	101	96	93	100	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	104	101	107	103	100	104	101	99	95
2.00	110	106	103	109	105	103	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: 15.0DEG
 Test Speed: 10.0deg/s
 Temperature: 25.3°C
 Operators: XIAOXIN
 Test Date: 2024-10-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

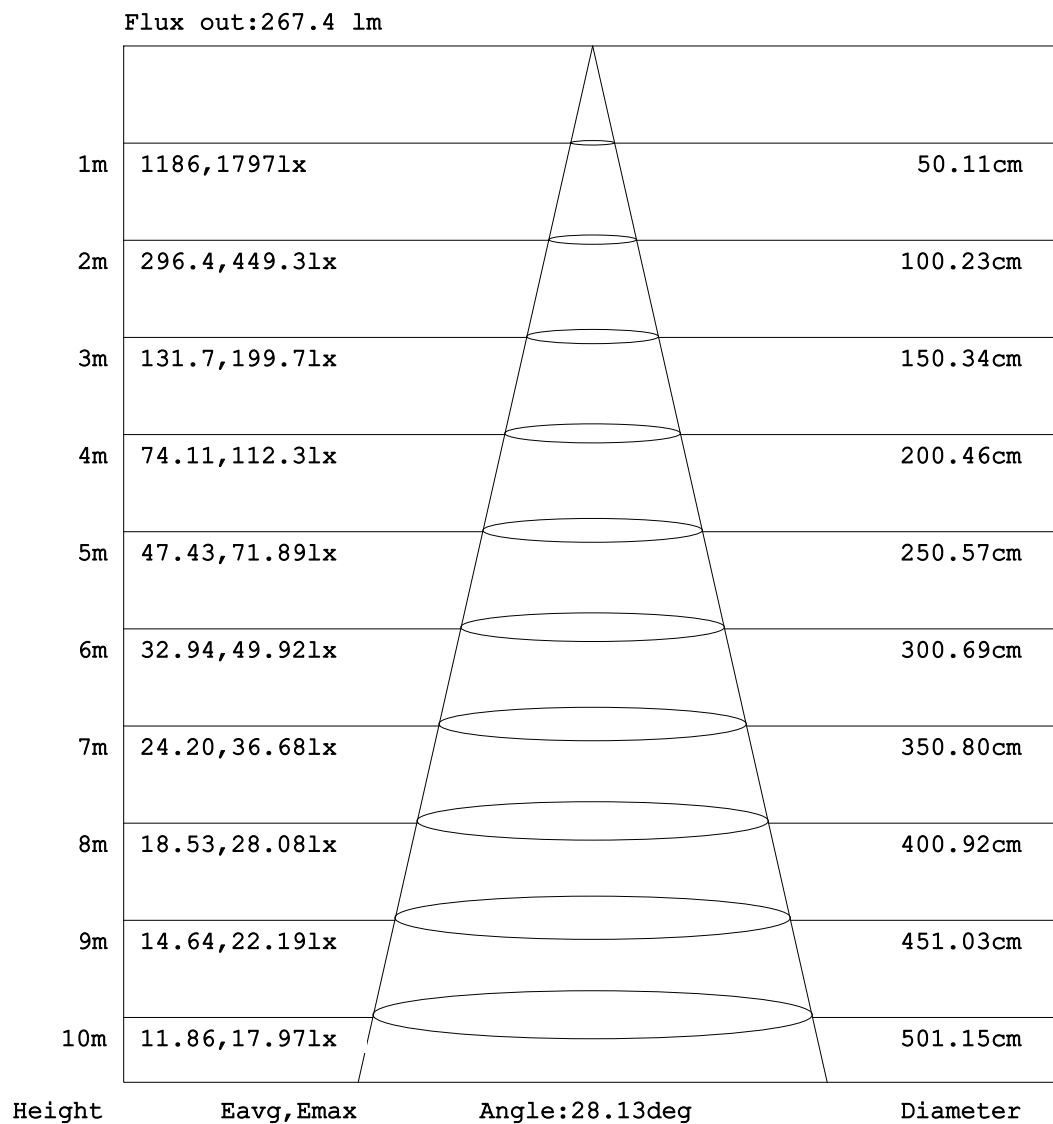
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: XIAOXIN
Test Date: 2024-10-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

AAI Figure

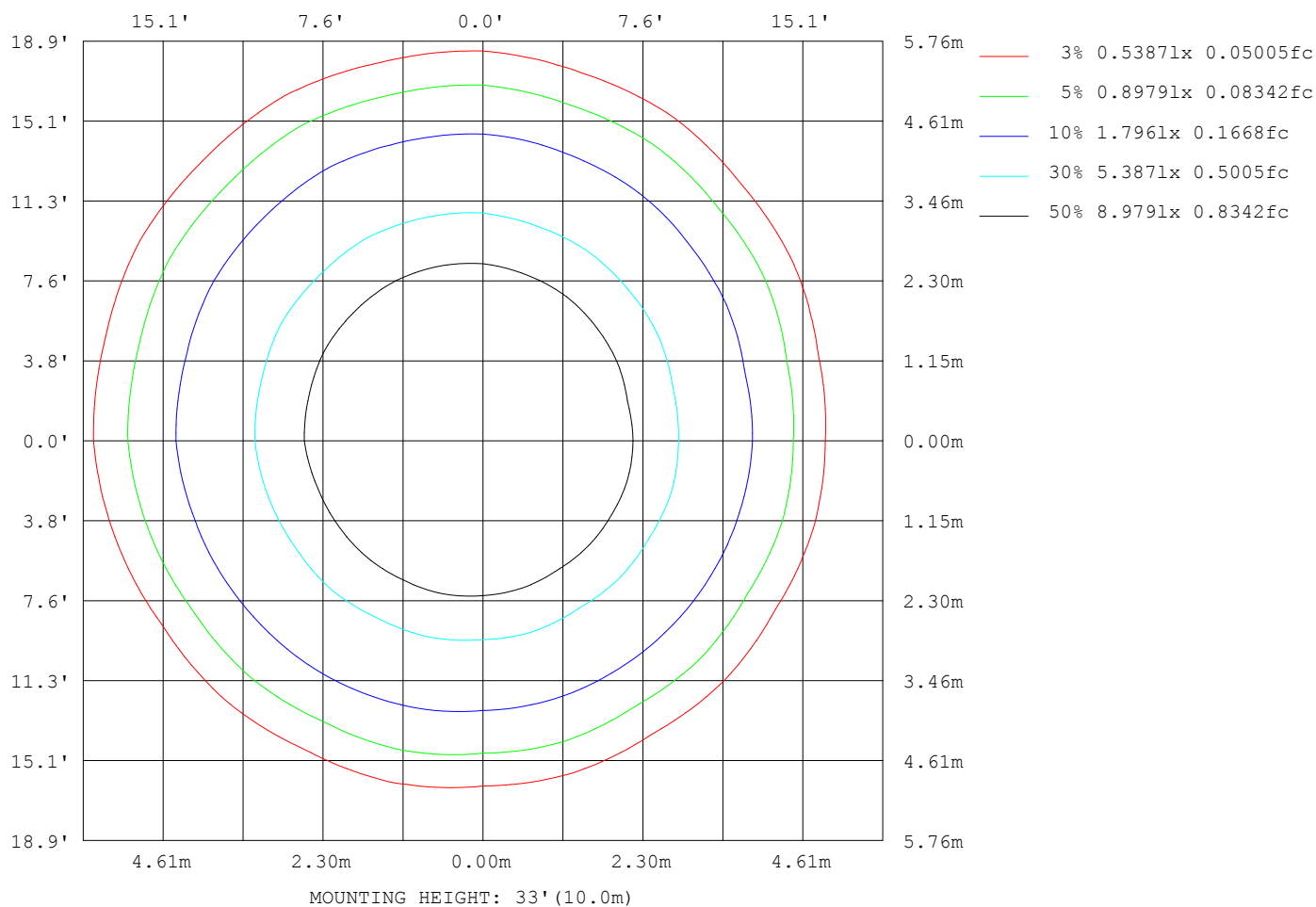


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: XIAOXIN
Test Date: 2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: XIAOXIN
Test Date: 2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.93V I:0.0953A P:7.5107W PF:0.3582 Freq:50.00Hz Lamp Flux:451.988x1 lm		
NAME: MG26-S7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

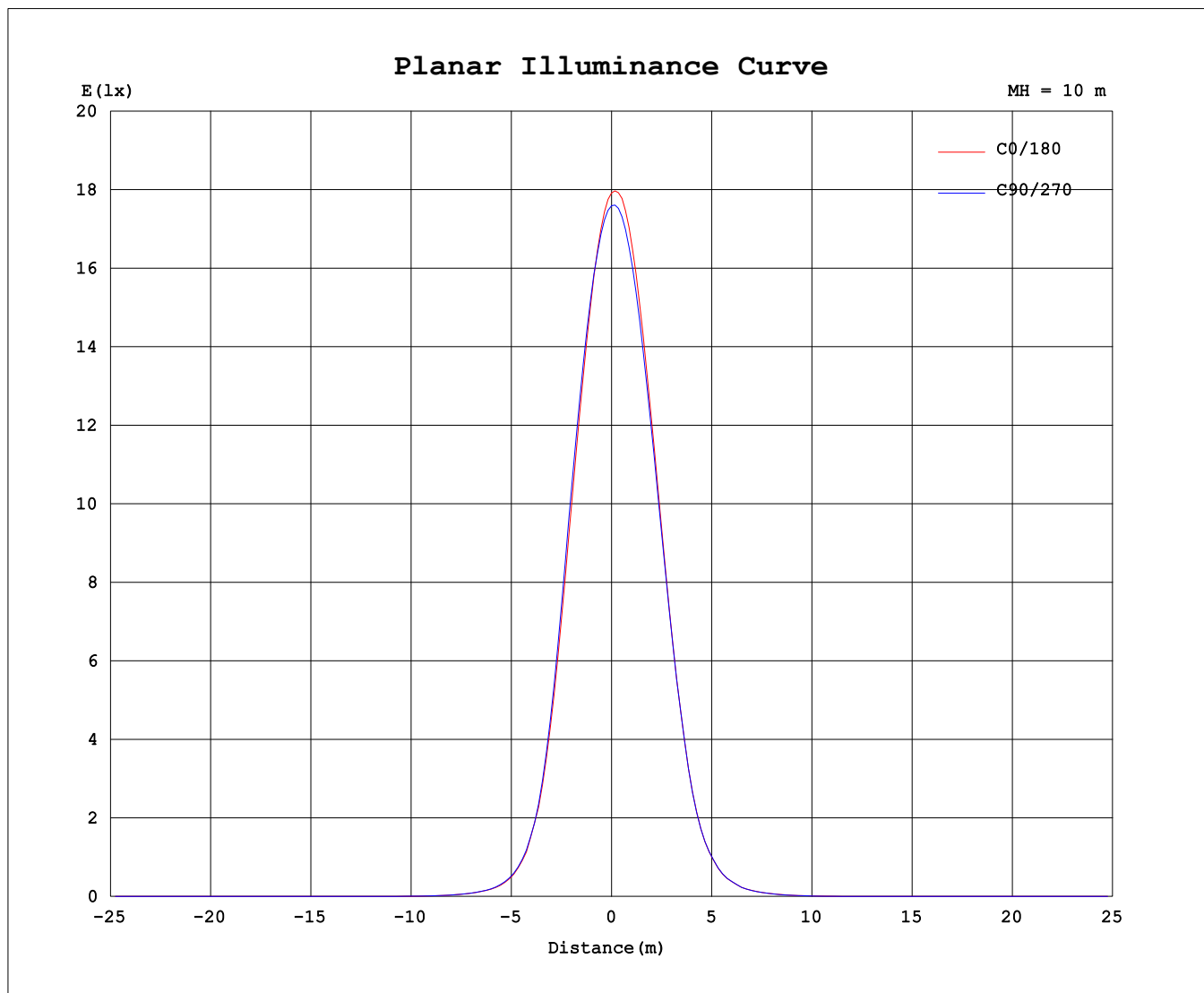
AvgL	cd/m2
L_0~180 (65) av	237
L_0~180 (75) av	109
L_0~180 (85) av	0
L_90~270 (65) av	265
L_90~270 (75) av	122
L_90~270 (85) av	0
L_45 (65) av	253
L_45 (75) av	120
L_45 (85) av	10

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:XIAOXIN
Test Date:2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: XIAOXIN
Test Date: 2024-10-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: XIAOXIN
Test Date: 2024-10-26

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

```