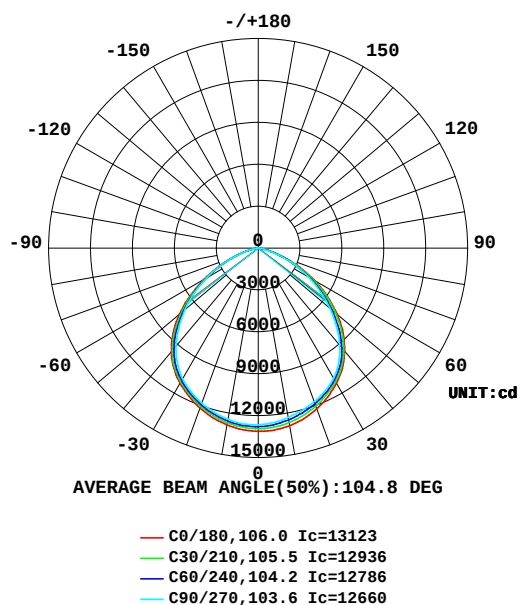


LUMINAIRE PHOTOMETRIC TEST REPORT

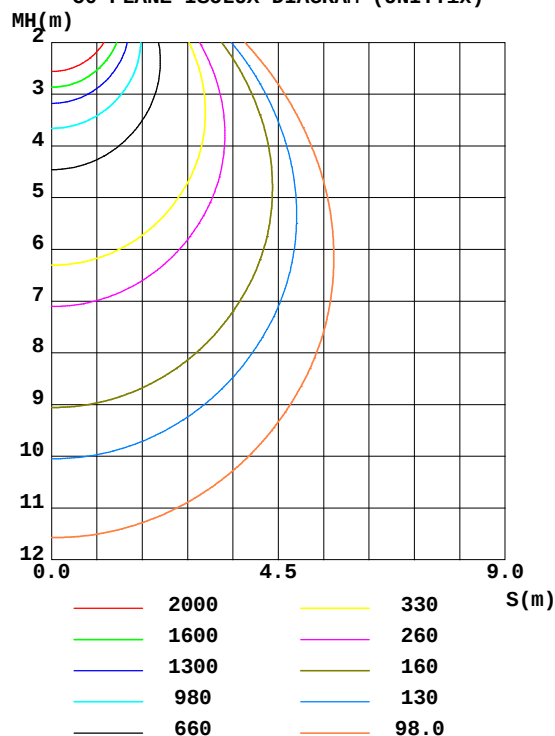
Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.35 lm/W			
MODEL		I _{max} (cd)	13123	S/MH(C0/180)	1.27
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	31582	η UP, DN(C0-180)	0.0, 49.9
NOMINAL FLUX(lm)	31581.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	1.35

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:
Test Date:2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_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	1292	1259	1232	1216	1286	1263	1246	1229	0- 10	1201	1201	3.8, 3.8
20	1225	1197	1172	1156	1219	1199	1182	1164	10- 20	3439	4641	14.7, 14.7
30	1119	1101	1078	1063	1119	1101	1083	1059	20- 30	5249	9889	31.3, 31.3
40	963.4	948.5	907.3	894.1	968.4	946.6	915.8	890.7	30- 40	6326	16215	51.3, 51.3
50	739.1	712.8	669.9	665.2	736.8	704.3	685.6	672.7	40- 50	6244	22460	71.1, 71.1
60	465.4	440.9	416.0	410.8	448.0	429.2	424.8	427.0	50- 60	5015	27474	87, 87
70	197.7	184.8	176.0	180.1	189.2	183.8	182.5	185.8	60- 70	2988	30463	96.5, 96.5
80	34.98	29.52	24.30	32.90	32.73	28.73	27.04	33.74	70- 80	1027	31490	99.7, 99.7
90	1.235	1.254	1.176	1.266	1.319	1.293	1.172	1.288	80- 90	91.91	31582	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:X10cd									UNIT:lm		

Conical surface Flux(90deg): 19425 lm

%lum = 61.5%

%lamp = 61.5%

Conical surface Flux(120deg): 27474 lm

%lum = 87.0%

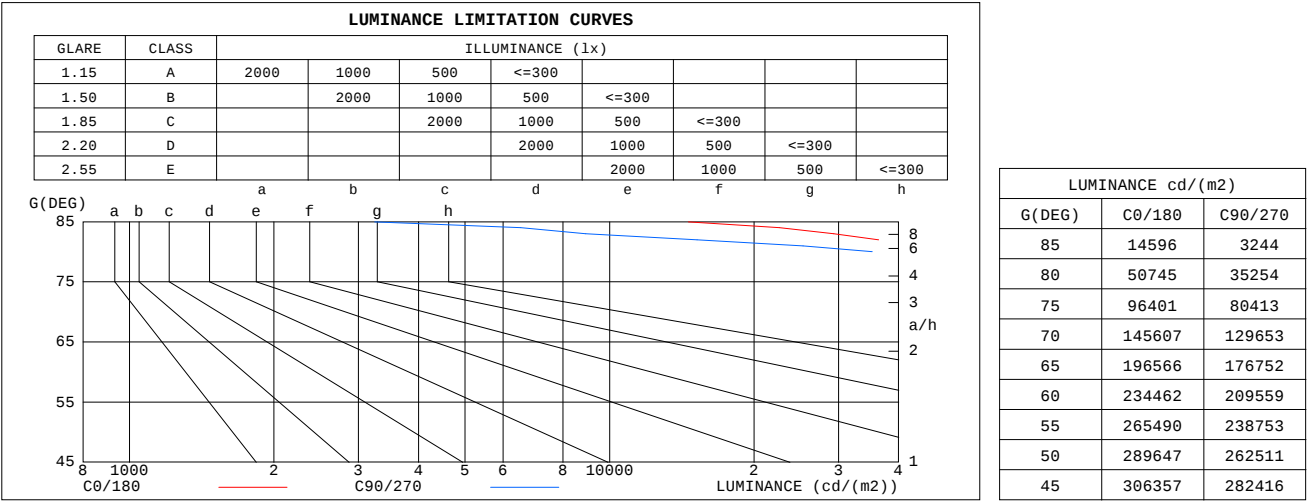
%lamp = 87.0%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



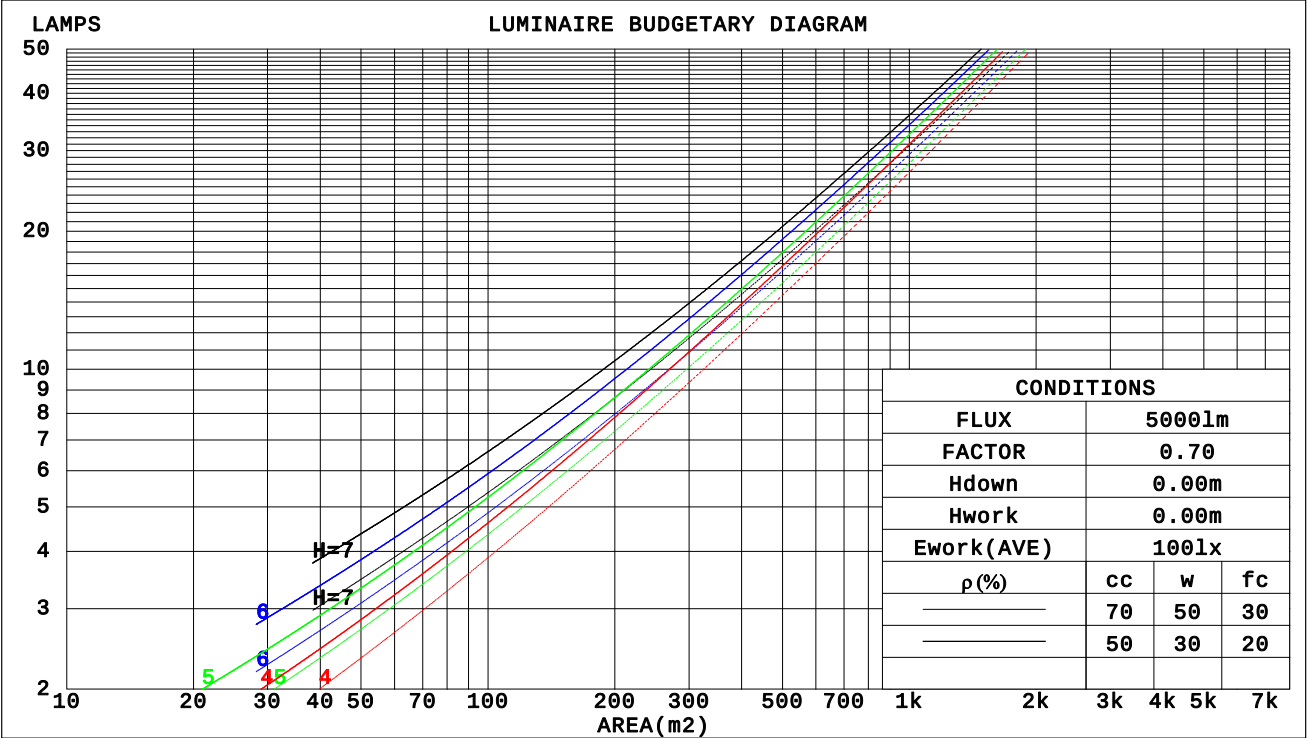
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	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															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.266	.151	.048	.259	.148	.047	.246	.141	.045	.234	.135	.043	.223	.129	.042		
2.0	.259	.142	.044	.253	.139	.043	.242	.134	.042	.231	.130	.041	.221	.125	.039		
3.0	.245	.131	.039	.240	.128	.039	.230	.125	.038	.221	.121	.037	.212	.117	.036		
4.0	.230	.120	.035	.225	.118	.035	.217	.115	.034	.208	.112	.034	.201	.109	.033		
5.0	.215	.110	.032	.211	.108	.032	.203	.106	.031	.196	.103	.031	.189	.101	.030		
6.0	.202	.101	.029	.198	.100	.029	.191	.098	.028	.184	.096	.028	.178	.094	.028		
7.0	.189	.094	.027	.186	.093	.026	.180	.091	.026	.174	.089	.026	.168	.087	.026		
8.0	.178	.087	.024	.175	.086	.024	.169	.085	.024	.164	.083	.024	.159	.082	.024		
9.0	.167	.081	.023	.165	.080	.023	.160	.079	.022	.155	.078	.022	.150	.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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.102	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.067	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.138	.082	.041	.119	.071	.036	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.035	.113	.065	.030	.078	.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: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm										
NAME: MY-UF11-200					TYPE:			WEIGHT:		
SPEC.:					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	32.3	33.7	32.5	33.9	34.1	31.8	33.2	32.0	33.4	33.6
3H	33.0	34.3	33.3	34.6	34.8	32.5	33.8	32.8	34.0	34.3
4H	33.2	34.4	33.5	34.6	34.9	32.6	33.8	32.9	34.1	34.3
6H	33.1	34.3	33.5	34.6	34.8	32.5	33.7	32.9	34.0	34.2
8H	33.1	34.2	33.4	34.5	34.8	32.5	33.6	32.8	33.9	34.2
12H	33.1	34.1	33.4	34.4	34.7	32.4	33.5	32.8	33.8	34.1
4H 2H	32.6	33.8	32.9	34.1	34.3	32.2	33.4	32.5	33.7	33.9
3H	33.5	34.5	33.8	34.8	35.1	33.0	34.1	33.3	34.4	34.7
4H	33.6	34.6	34.0	34.9	35.3	33.1	34.1	33.5	34.4	34.8
6H	33.7	34.5	34.1	34.9	35.2	33.1	34.0	33.5	34.3	34.7
8H	33.6	34.4	34.1	34.8	35.2	33.1	33.9	33.5	34.3	34.6
12H	33.6	34.3	34.0	34.7	35.1	33.1	33.8	33.5	34.2	34.6
8H 4H	33.6	34.4	34.0	34.8	35.2	33.2	34.0	33.6	34.3	34.7
6H	33.7	34.3	34.1	34.8	35.2	33.2	33.8	33.6	34.2	34.7
8H	33.7	34.3	34.1	34.7	35.1	33.1	33.7	33.6	34.1	34.6
12H	33.7	34.1	34.1	34.6	35.1	33.1	33.6	33.6	34.0	34.5
12H 4H	33.6	34.3	34.0	34.7	35.1	33.1	33.9	33.5	34.2	34.6
6H	33.7	34.2	34.1	34.7	35.1	33.2	33.7	33.6	34.1	34.6
8H	33.7	34.1	34.1	34.6	35.1	33.1	33.6	33.6	34.1	34.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.7 / - 0.7					+ 0.7 / - 0.8				

CIE Pub.117, 31582 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 12.0$)
Area: 0.0397 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

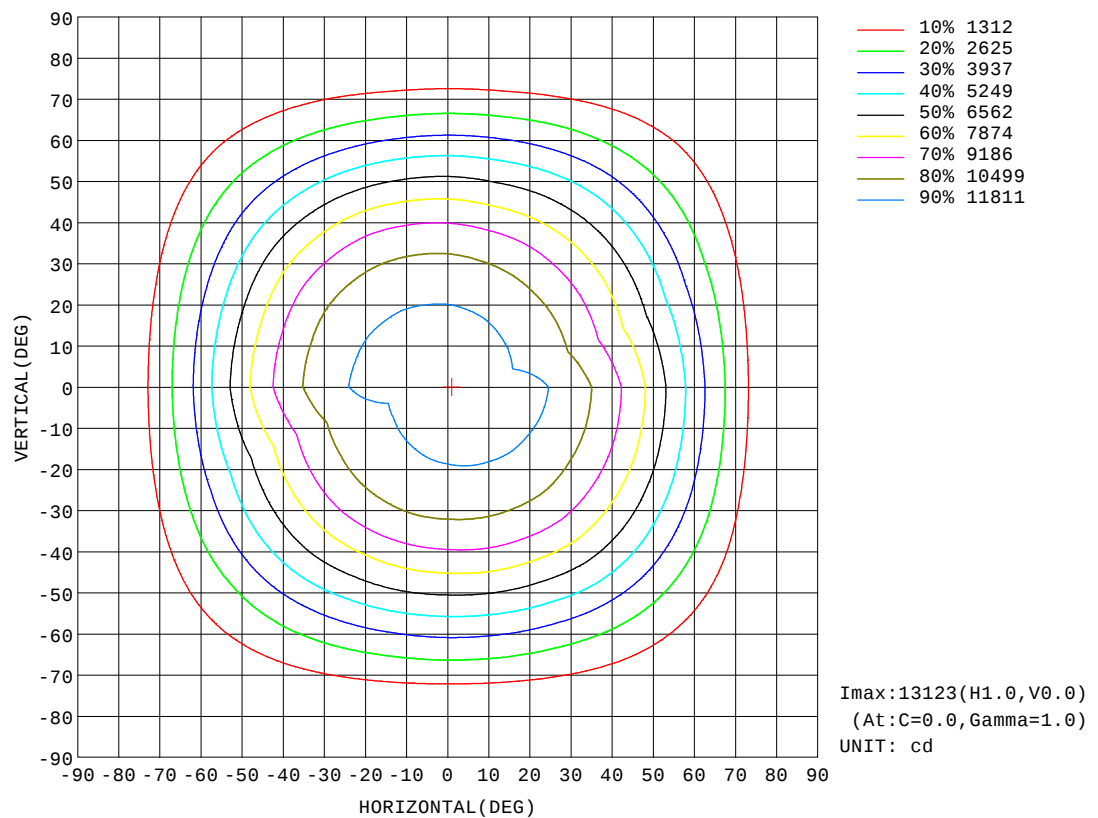
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	43	60	50	43	59	49	43	37
0.80	71	61	54	70	60	54	69	59	53	47
1.00	80	70	63	79	69	63	77	70	62	56
1.25	87	78	71	86	77	71	83	76	70	63
1.50	92	83	77	90	82	76	87	81	75	68
2.00	98	91	85	97	90	84	93	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	104	101	98	89
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:
 Test Date:2024-06-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



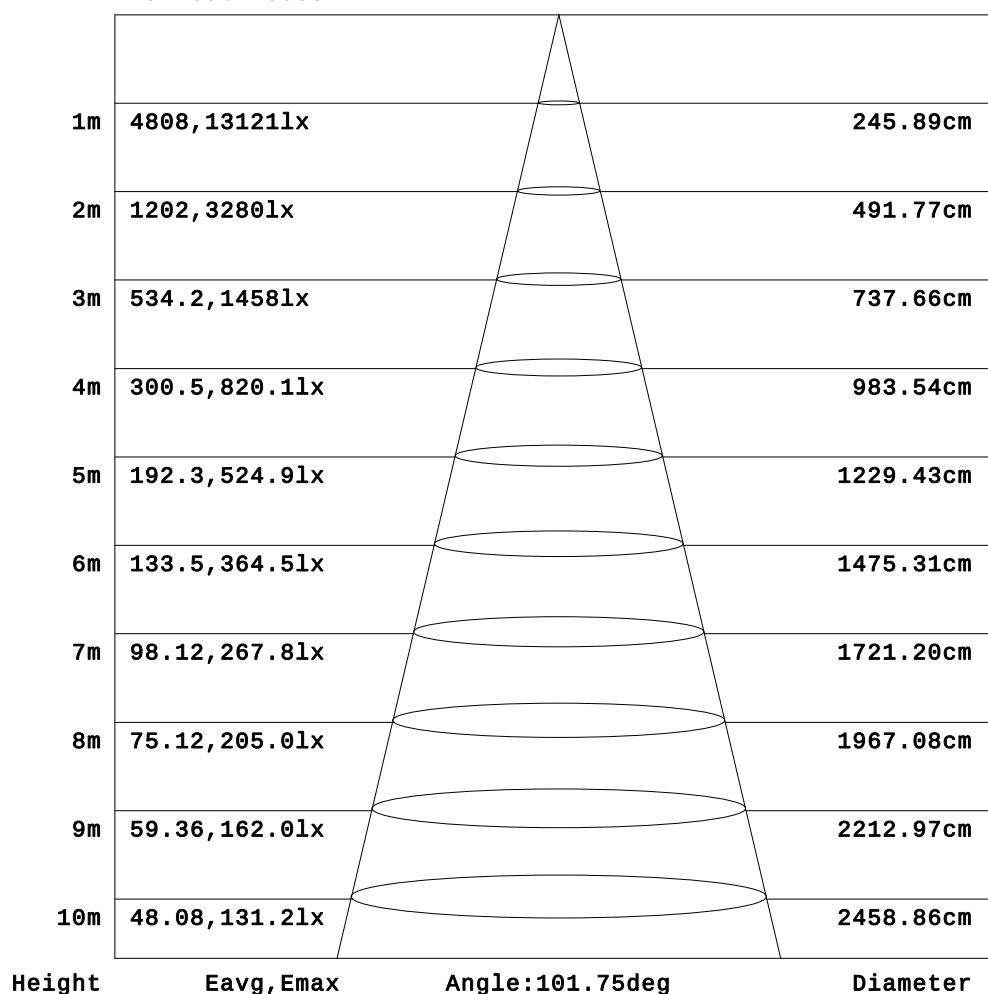
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:23033 lm



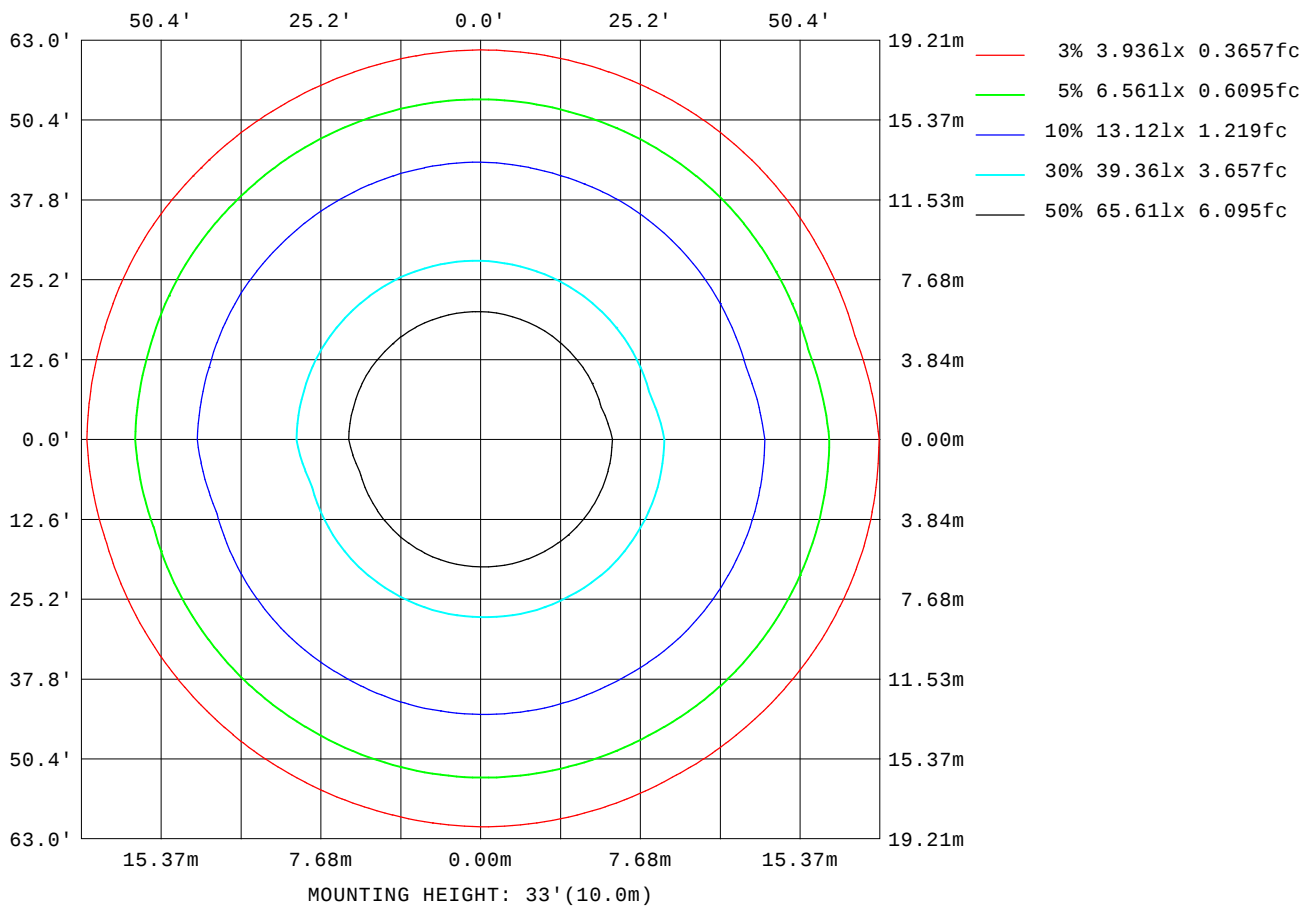
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

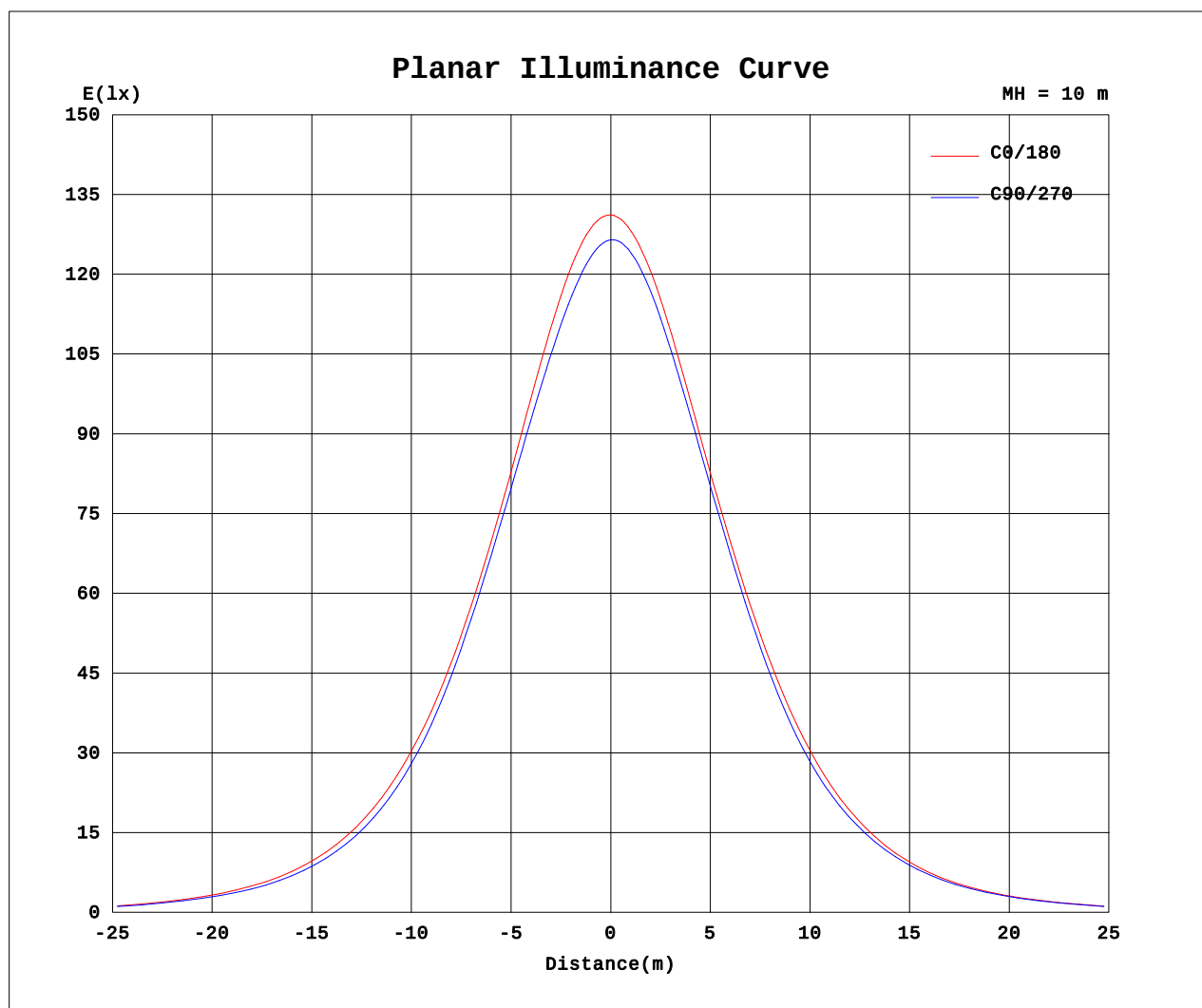
AvgL	cd/m2
L_0~180(65)av	191044
L_0~180(75)av	94065
L_0~180(85)av	16507
L_90~270(65)av	177790
L_90~270(75)av	82604
L_90~270(85)av	3701
L_45(65)av	177454
L_45(75)av	91274
L_45(85)av	12469

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2024-06-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-3000H_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:
Test Date: 2024-06-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table - -1

UNIT: X10cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2024-06-28

```

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:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.02V I:0.9561A P:207.30W PF:0.9854 Freq:50.00Hz Lamp Flux:31581.8x1 lm		
NAME: MY-UF11-200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table - -2

UNIT: X10cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2024-06-28

```

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:

```