

Report No.: MSTLAB250604003

Test Time: 2025-06-04 10:23:17

Luminaire Property

Luminaire Manufacturer: MESTER

Luminaire Category:

Luminaire Description: ALL054F40W27V35K DOWN100%

Lamp Catalog: L128_28TAF-0931Q5-50W909(5090)+L128_28TAF-0931Q5-27W909(2790)

Lamp Description: BQ-40-0820-47-AD

Number of Lamps: 1

Lumens per Lamp:

Luminous Length (mm): 1200

Luminous Width (mm): 63

Luminous Height (mm):

Voltage: 120.0 V

Current: 0.324 A

Power: 38.80 W

Power Factor: 0.997

Photometric Results

CIE Class: Direct

Measurement Flux: 5159 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%,75%,100%): H93.8,H71.9,H50.1,H0

Vertical Diffuse Angle(10%,50%,75%,100%): V82.2,V58.1,V38.2,V0

Luminous Efficacy (lm/w): 132.96

C0r0 Intensity: 4456.92 cd

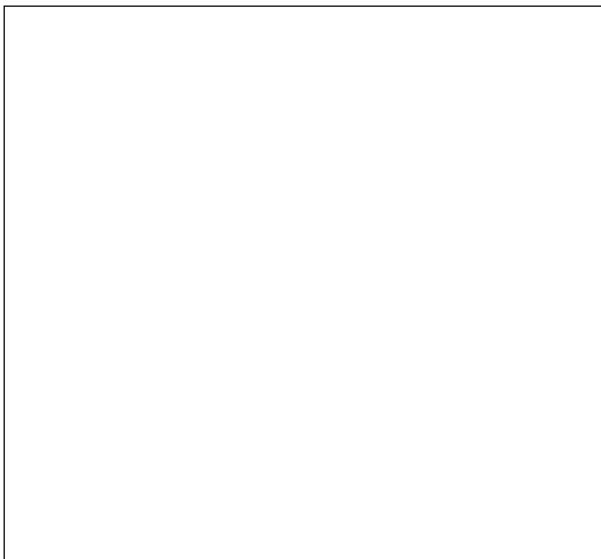
Max. Intensity: 4469.03 cd

Pos of Max. Intensity: H90 V1

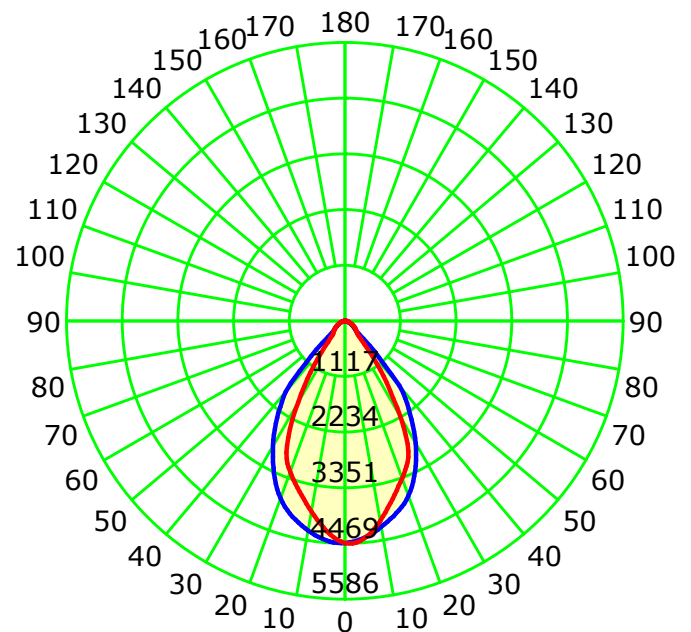
S/MH(C0/C180): 1.02

S/MH(C90/C270): 0.91

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 65.0°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab: EVERFINE

Test Type: TYPE C

Temperature: 25.3℃

Operator:

Gamma Plane (°):0.0-90.0:1.0

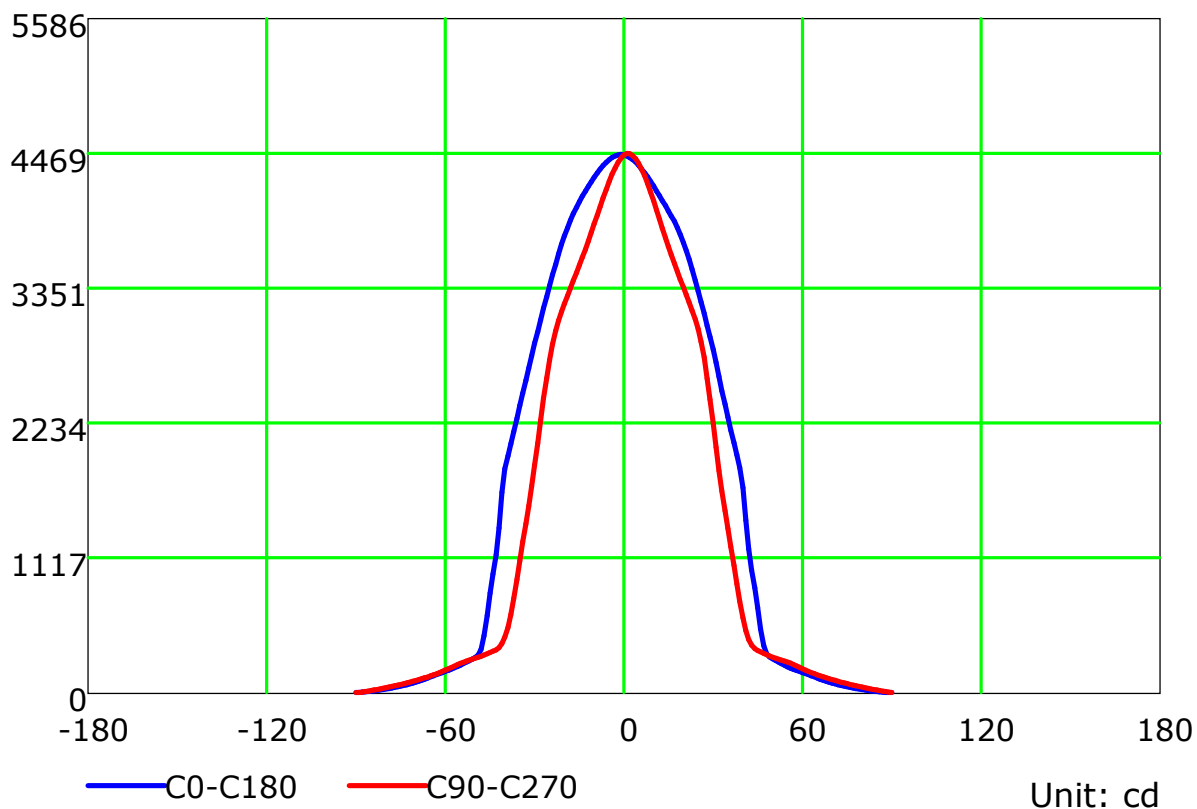
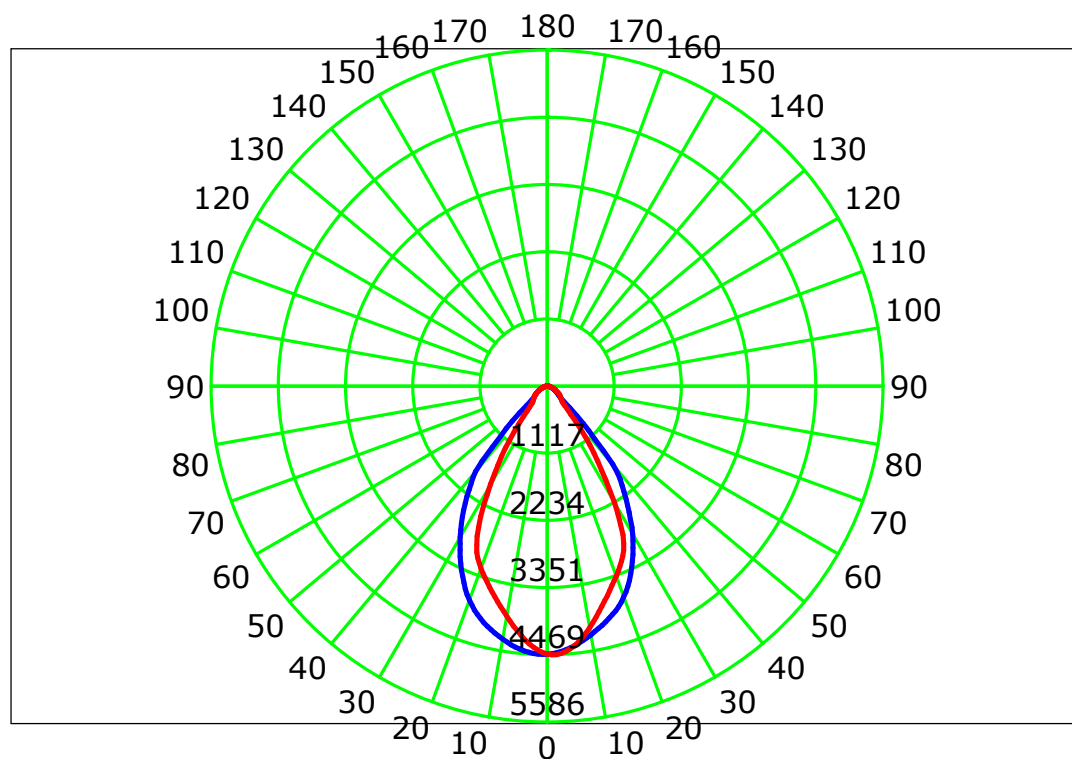
Test Device:

Distance: 11.655m [K=1.0000]

Humidity: 45% R.H

Inspector:

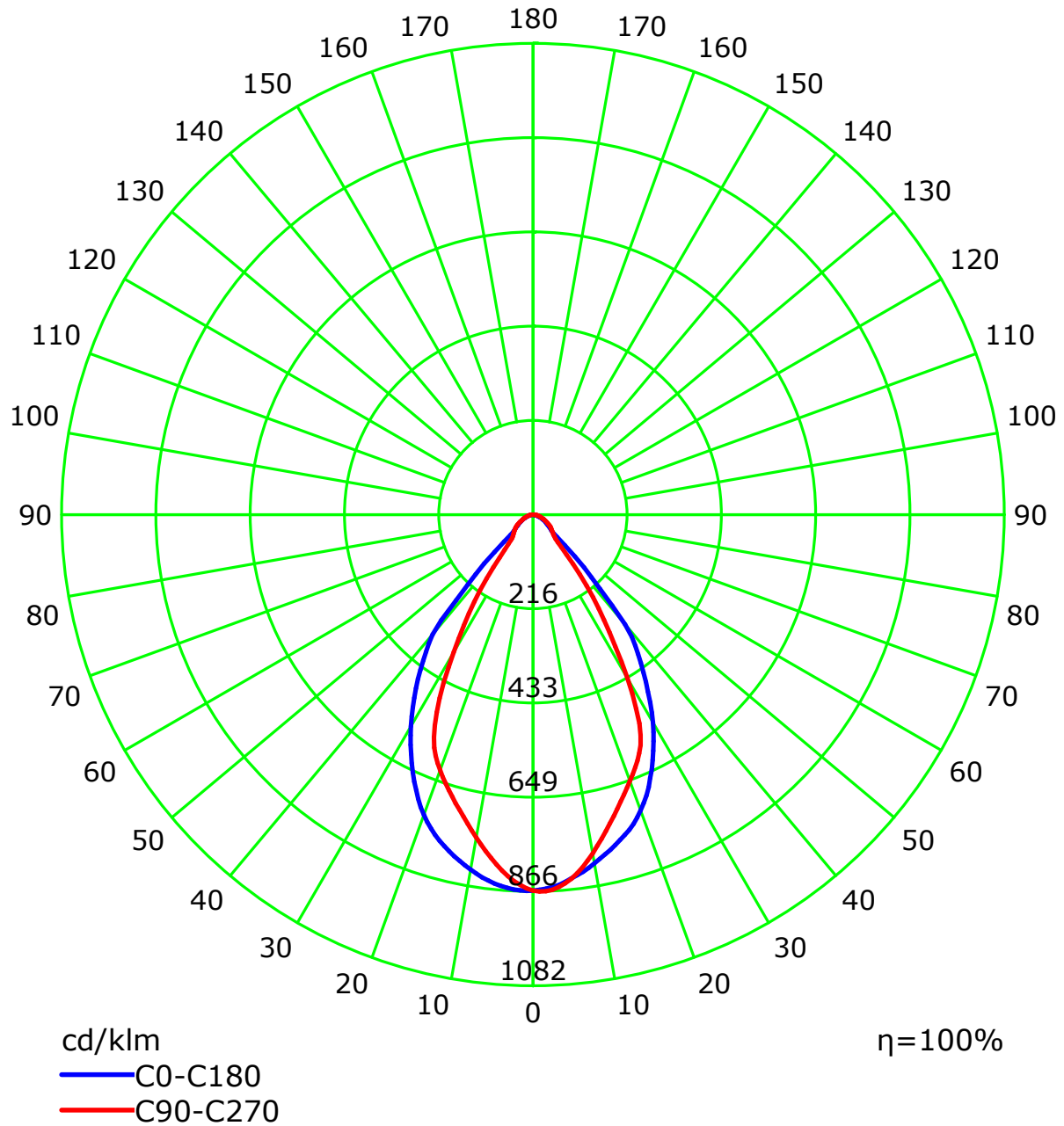
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

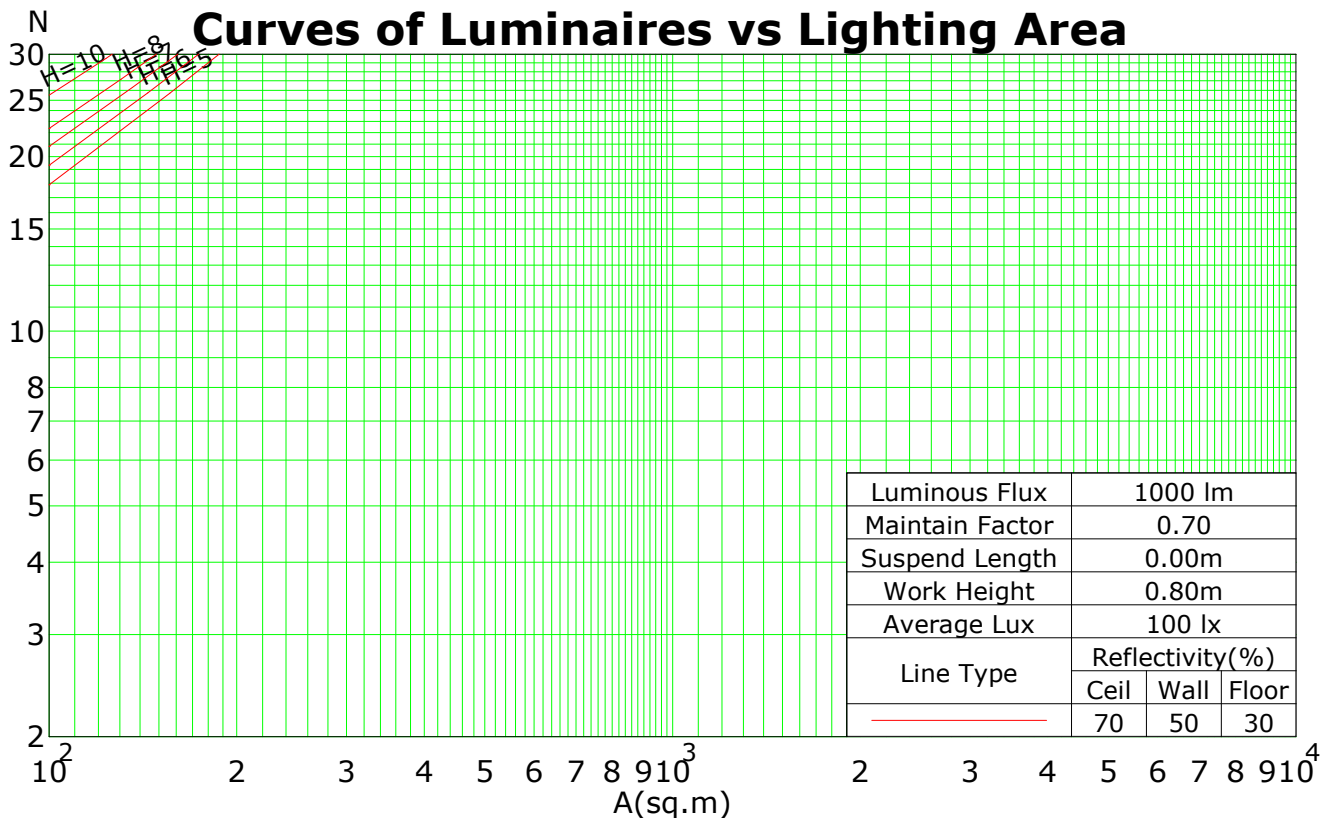
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.19	1.19	1.19	1.19	1.16	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	1.12	1.09	1.06	1.04	1.10	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.91
2	1.06	1.00	0.95	0.91	1.03	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.87	0.84	0.83
3	0.99	0.92	0.86	0.81	0.97	0.90	0.85	0.81	0.88	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.75
4	0.93	0.85	0.78	0.73	0.91	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.75	0.71	0.77	0.73	0.70	0.69
5	0.88	0.78	0.72	0.67	0.86	0.77	0.71	0.66	0.75	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.63
6	0.83	0.73	0.66	0.61	0.81	0.72	0.65	0.61	0.70	0.64	0.60	0.69	0.64	0.60	0.67	0.63	0.59	0.58
7	0.78	0.68	0.61	0.56	0.77	0.67	0.60	0.56	0.65	0.60	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.53
8	0.74	0.63	0.56	0.52	0.72	0.62	0.56	0.52	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.51	0.49
9	0.70	0.59	0.52	0.48	0.69	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.47	0.56	0.51	0.47	0.46
10	0.66	0.55	0.49	0.45	0.65	0.55	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.52	0.48	0.44	0.43

Spacing Criteria (0-180): 1.02

Spacing Criteria (90-270): 0.91

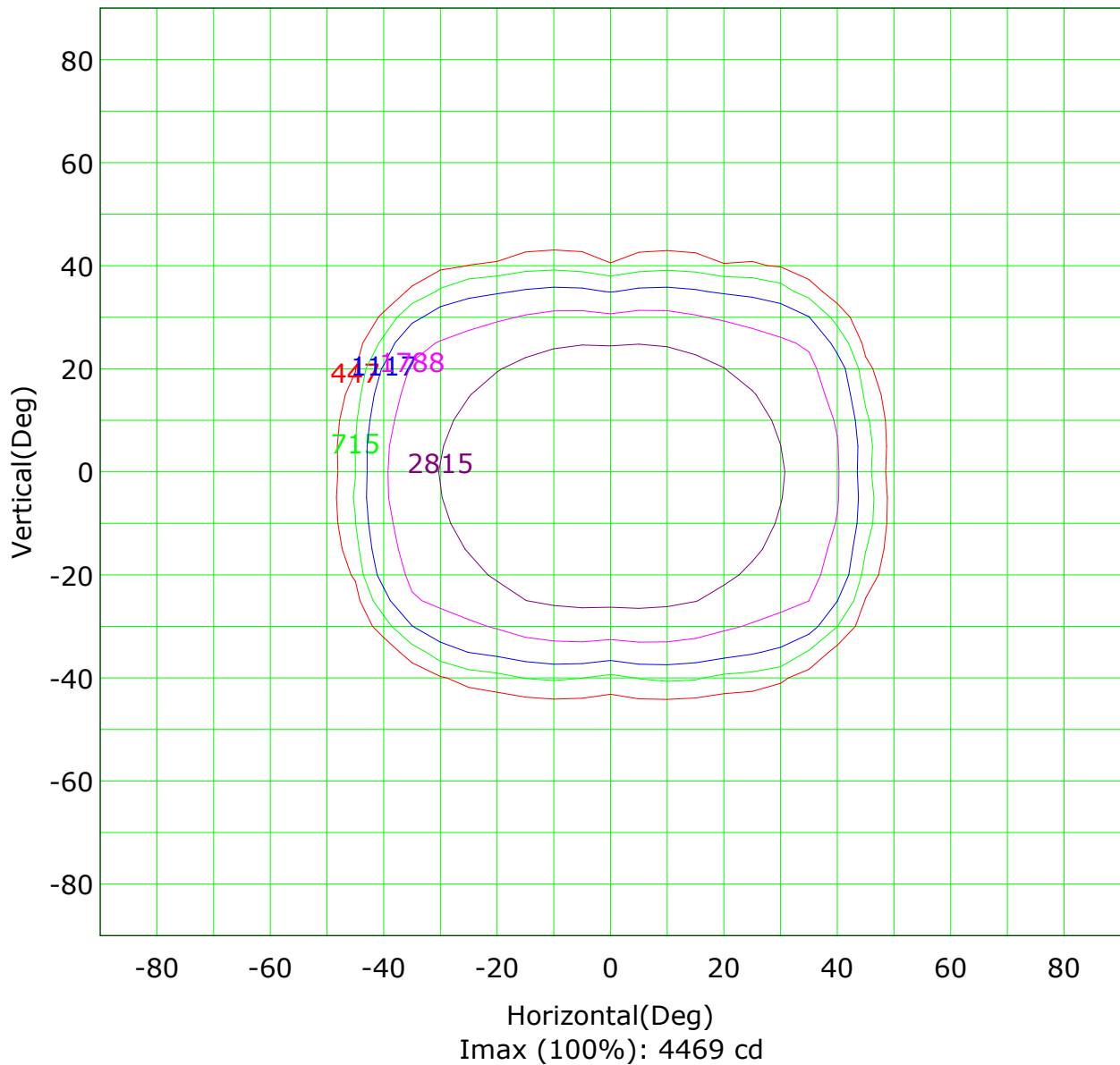
Spacing Criteria (Diagonal): 0.99



C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

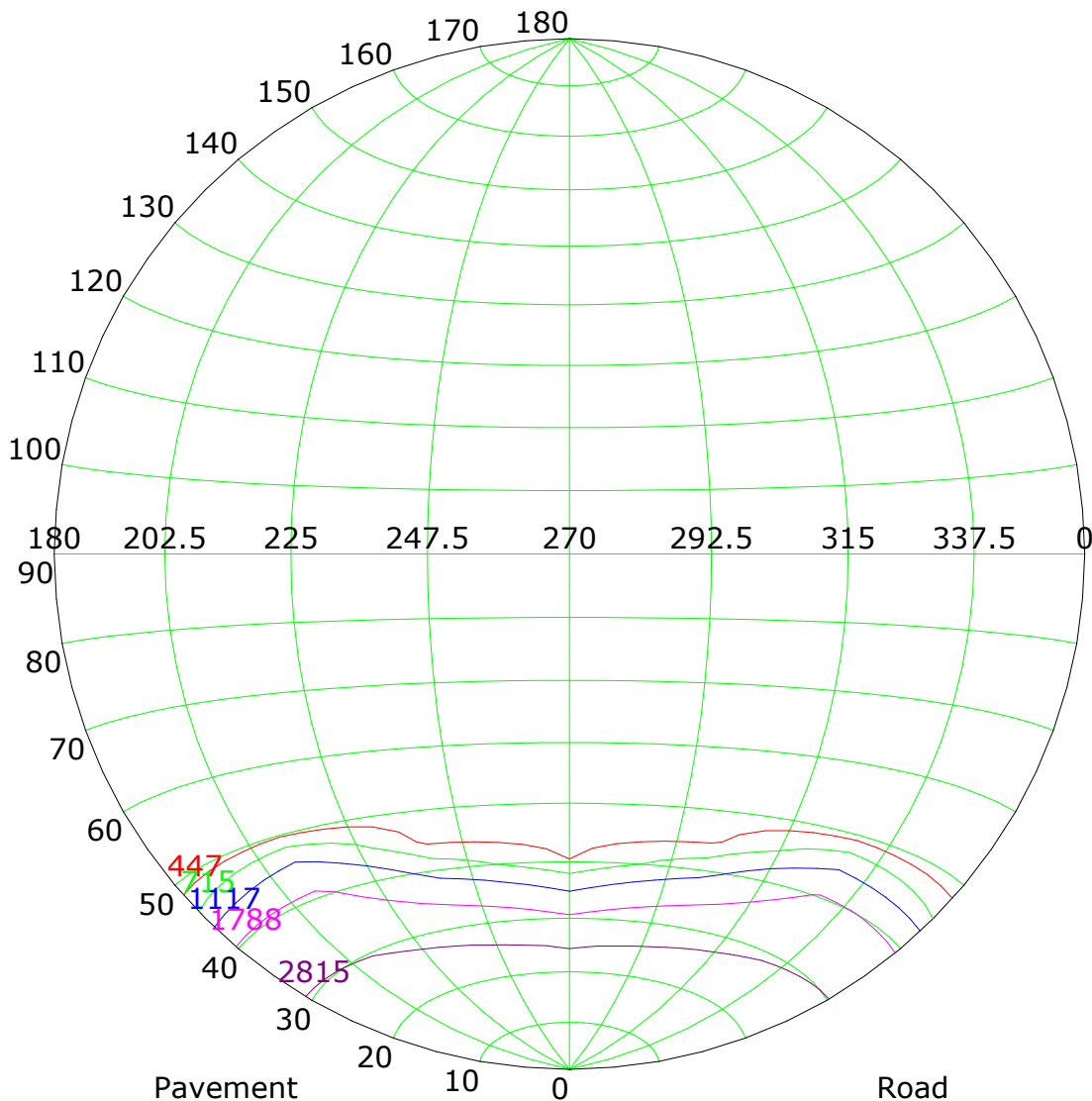
Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Isocandela (rectangle)



(10%): 447 cd	(16%): 715 cd
(25%): 1117 cd	(40%): 1788 cd
(63%): 2815 cd	(100%): 4469 cd

Isocandela (sphere)



Imax (100%): 4469 cd

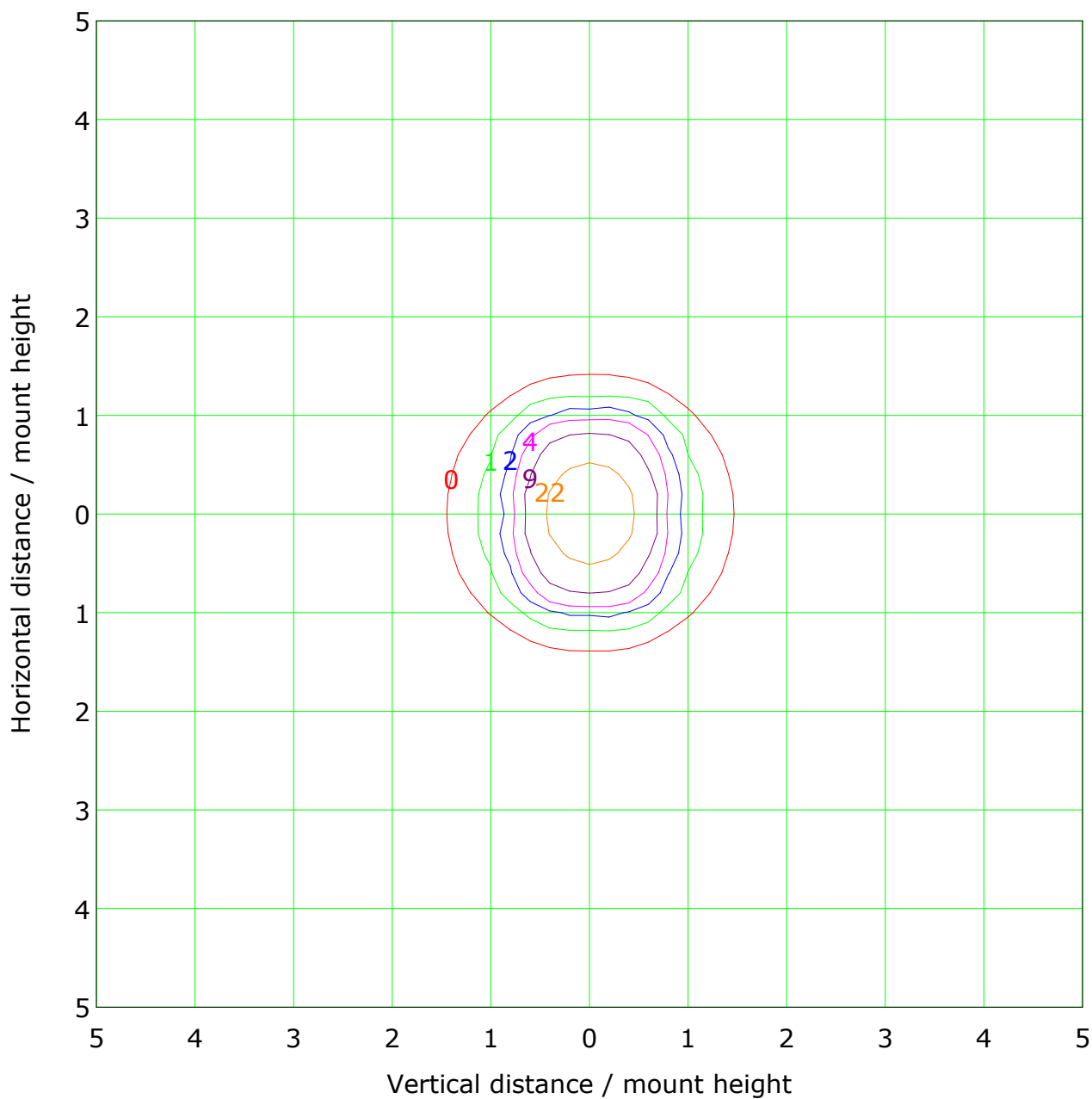
(10%): 447 cd
(25%): 1117 cd
(63%): 2815 cd

(16%): 715 cd
(40%): 1788 cd
(100%): 4469 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.257 cd/klm

IES: Cut-off
Max.At80: 8.940 cd/klm
Max.80-90: 8.940 cd/klm

IsoLux Plot



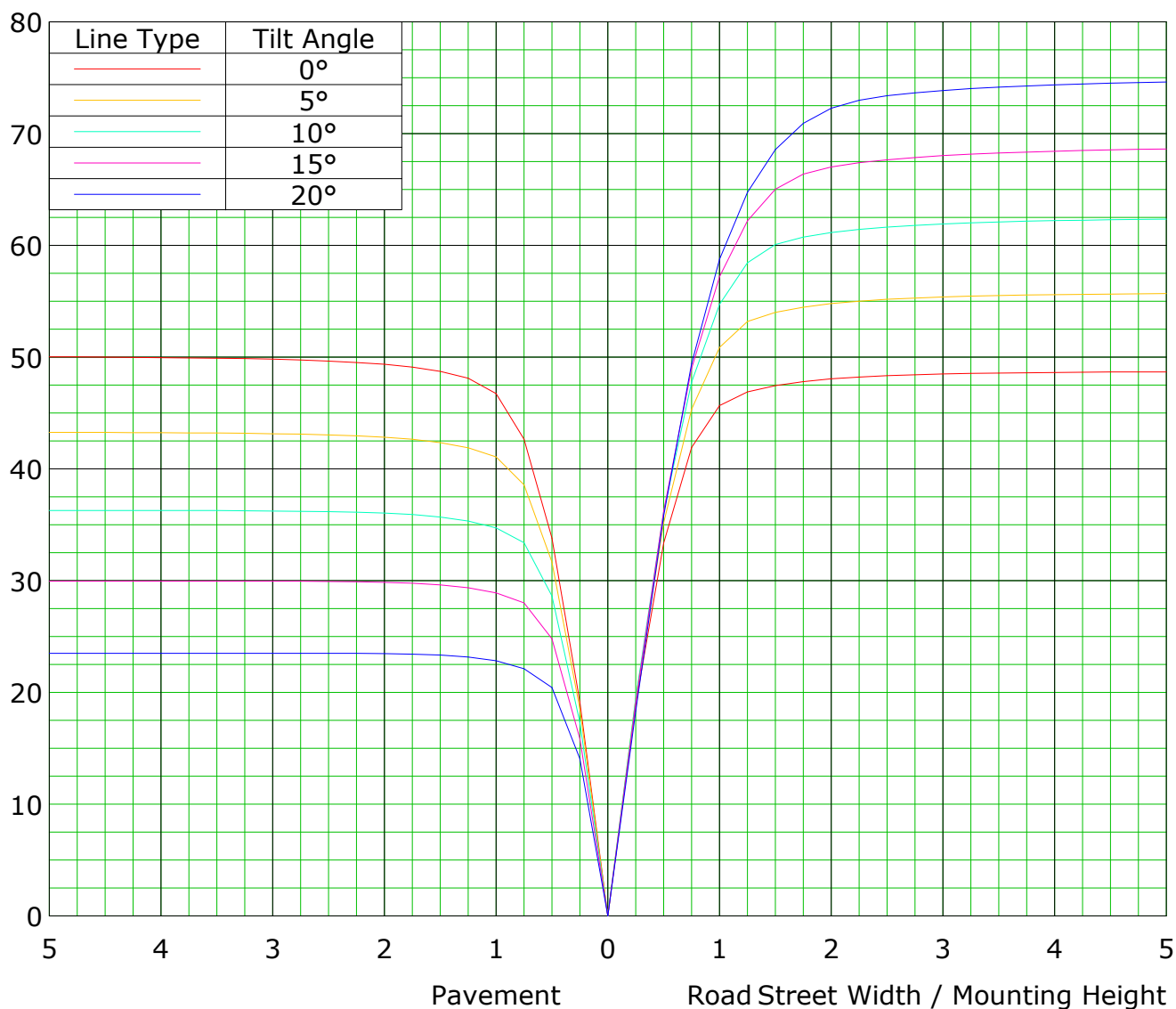
Mounting Height: 10.0m		Max Lux(100%): 44.7 lx	
(1%):	0.4 lx	(2%):	0.9 lx
(5%):	2.2 lx	(10%):	4.5 lx
(20%):	8.9 lx	(50%):	22.3 lx
(100%):	44.7 lx		

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Roadway CU Curve

Efficiency(%)



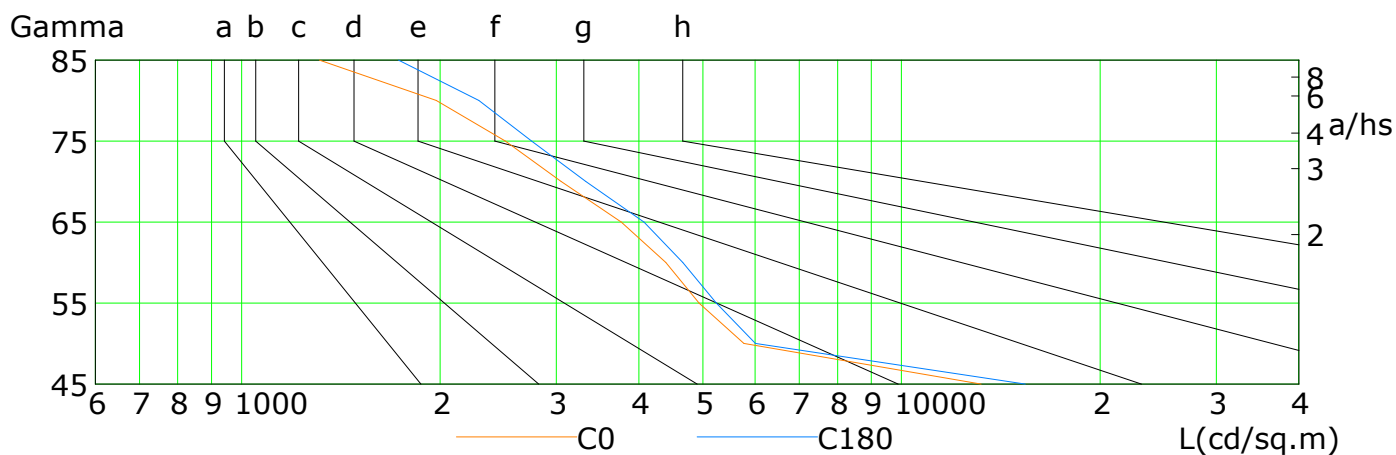
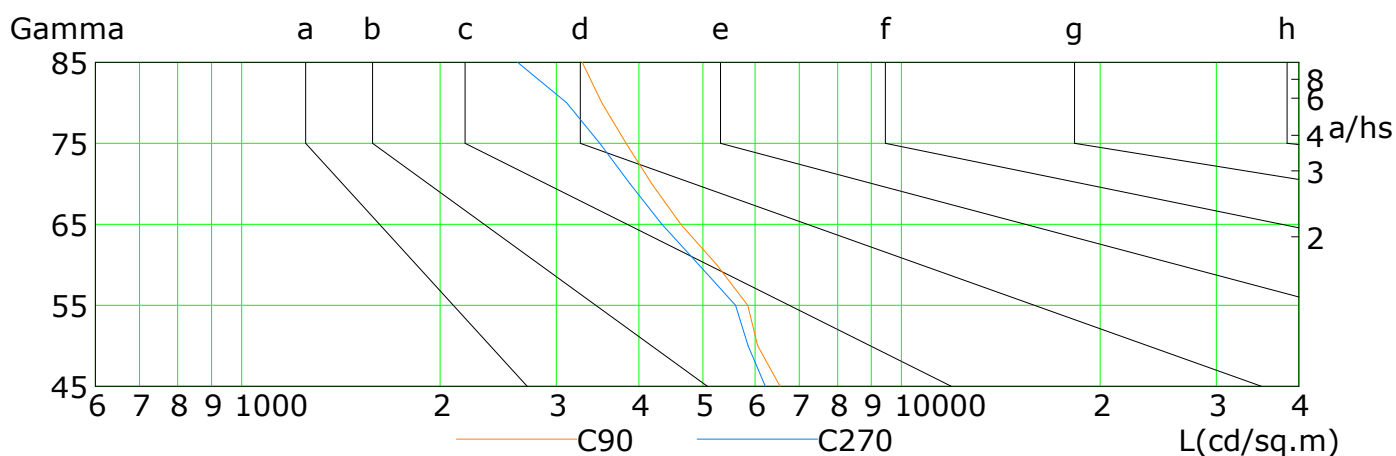
C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

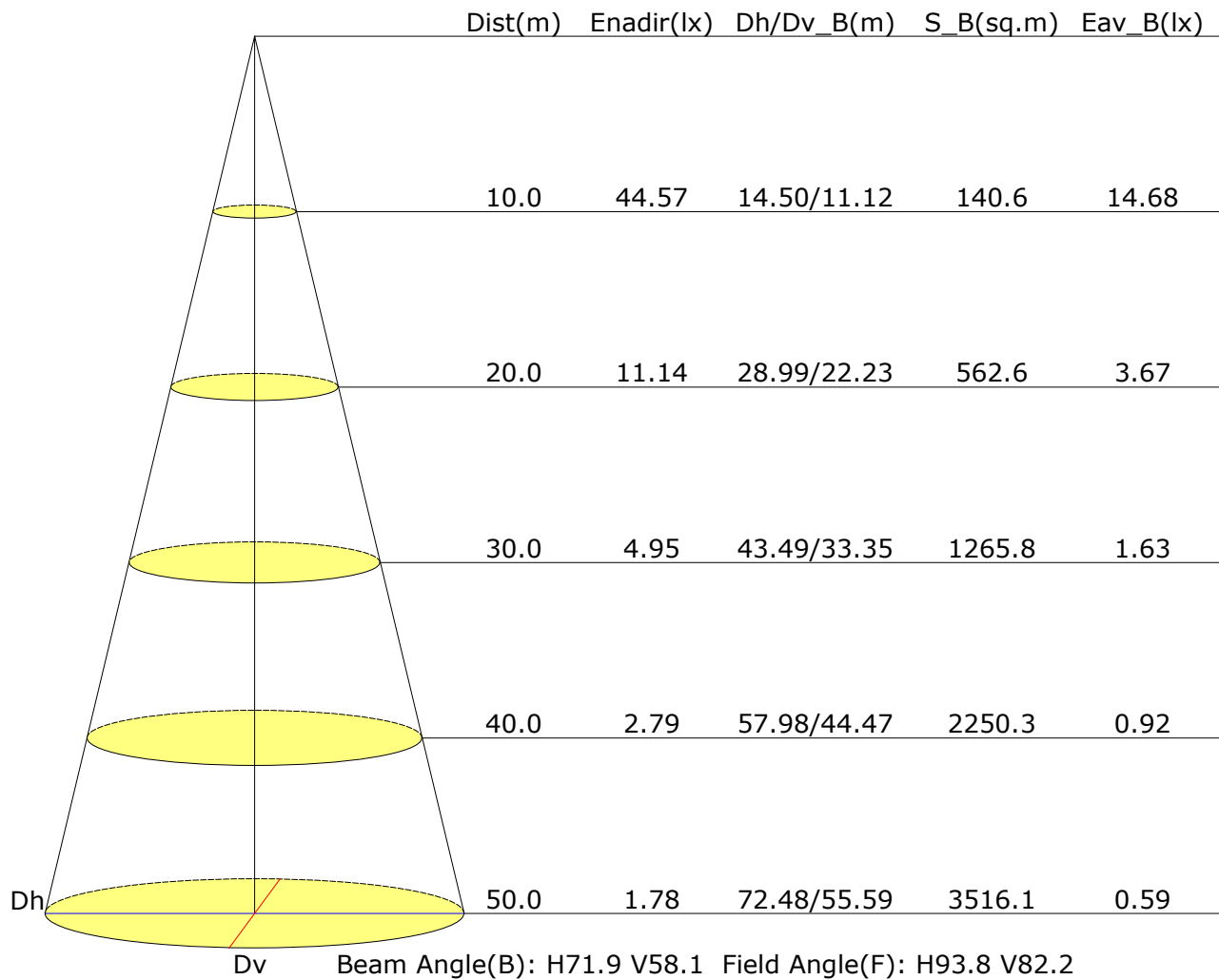


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	13200	5771	4933	4394	3760	3051	2509	1972	1312
C90	6548	6051	5845	5248	4630	4182	3823	3513	3283
C180	15405	6004	5240	4662	4072	3322	2751	2287	1729
C270	6220	5853	5603	4931	4333	3876	3492	3108	2620

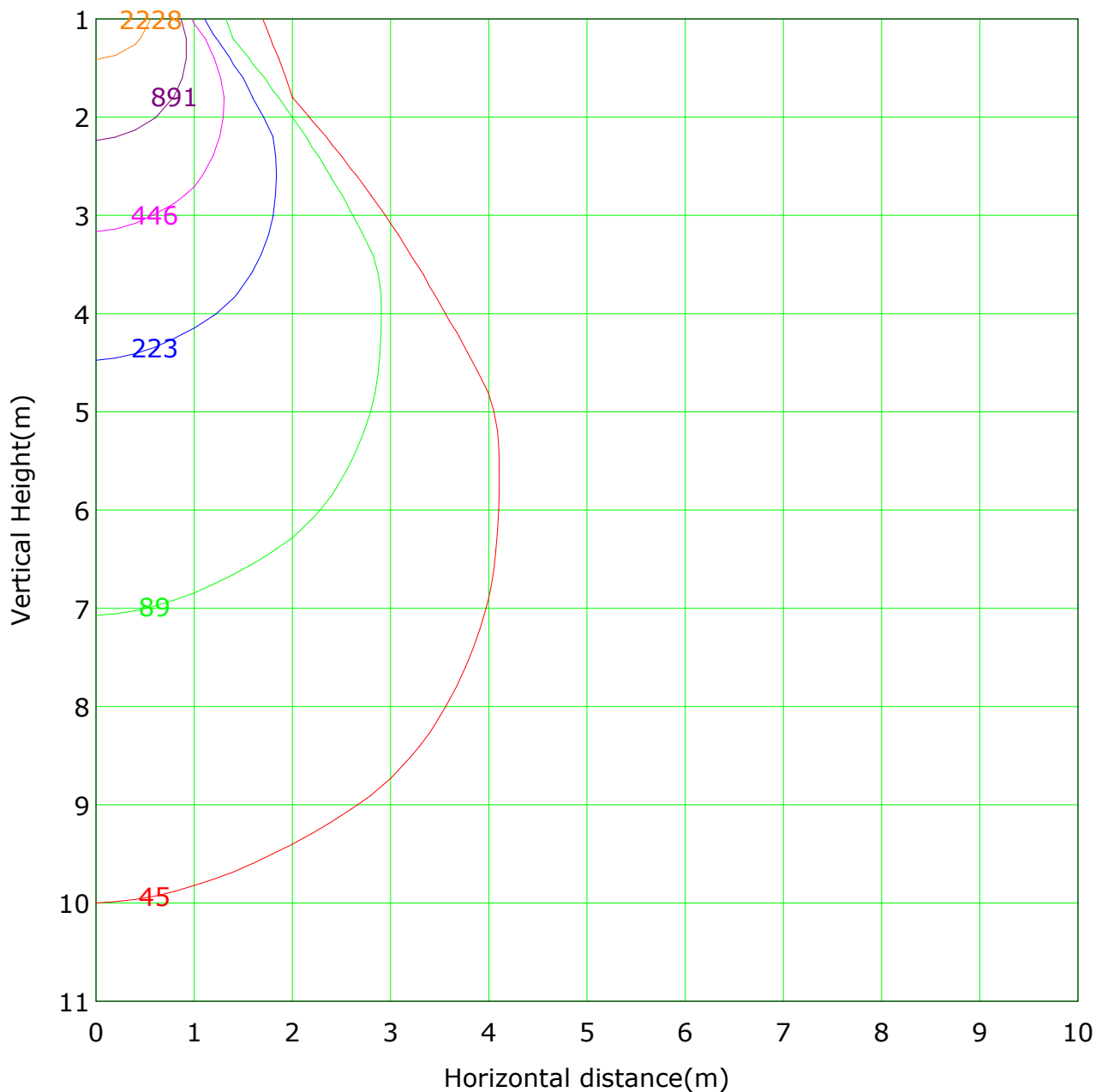
C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Illuminance at a Distance



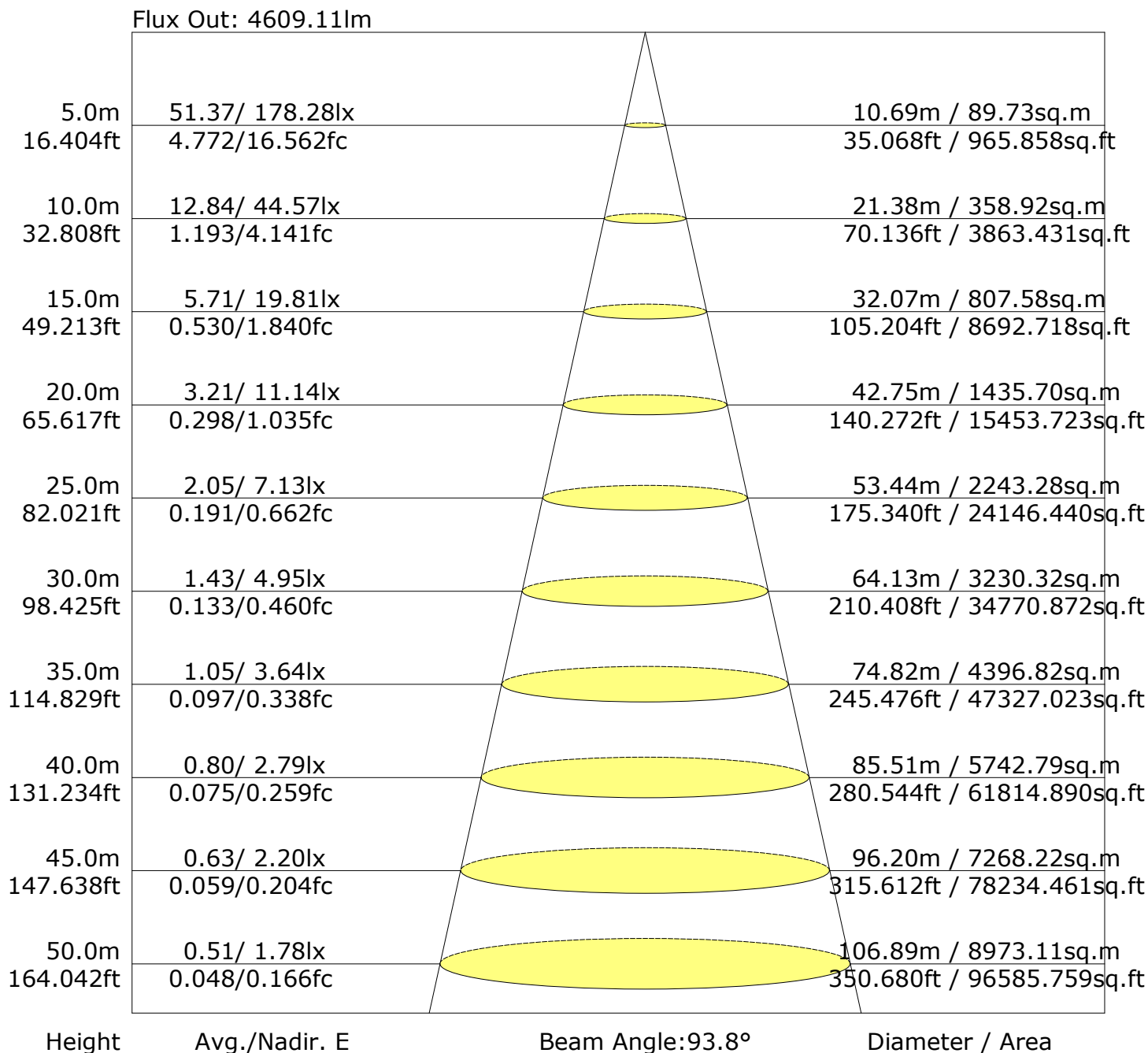
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4456.9 lx
— (1%): 44.6 lx — (2%): 89.1 lx
— (5%): 222.8 lx — (10%): 445.7 lx
— (20%): 891.4 lx — (50%): 2228.5 lx
— (100%): 4456.9 lx

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference 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	13.2	14.3	13.5	14.6	14.9	14.3	15.4	14.7	15.8	16.1
3H	14.2	15.3	14.6	15.6	16.0	15.6	16.6	15.9	16.9	17.3
4H	14.6	15.5	15.0	15.9	16.2	16.0	17.0	16.4	17.3	17.7
6H	14.7	15.6	15.1	16.0	16.4	16.4	17.3	16.8	17.6	18.0
8H	14.8	15.6	15.2	16.0	16.4	16.5	17.3	16.9	17.7	18.1
12H	14.8	15.5	15.2	15.9	16.4	16.6	17.4	17.0	17.8	18.2
X=4H Y=2H	13.6	14.6	14.1	15.0	15.3	14.6	15.6	15.0	15.9	16.3
3H	14.9	15.7	15.3	16.1	16.5	16.1	16.9	16.6	17.3	17.7
4H	15.3	16.0	15.8	16.4	16.9	16.7	17.4	17.2	17.8	18.3
6H	15.6	16.2	16.1	16.6	17.1	17.2	17.8	17.7	18.3	18.7
8H	15.6	16.2	16.1	16.6	17.1	17.4	17.9	17.8	18.4	18.8
12H	15.6	16.1	16.1	16.6	17.1	17.5	18.0	18.0	18.5	18.9
X=8H Y=4H	15.5	16.1	16.0	16.5	17.0	16.8	17.4	17.3	17.8	18.3
6H	15.9	16.3	16.4	16.8	17.3	17.4	17.9	18.0	18.4	18.9
8H	16.0	16.4	16.5	16.9	17.4	17.7	18.1	18.2	18.6	19.1
12H	16.0	16.4	16.6	16.9	17.5	17.9	18.2	18.4	18.7	19.3
X=12H Y=4H	15.5	16.0	16.0	16.5	17.0	16.8	17.3	17.3	17.8	18.3
6H	15.9	16.3	16.5	16.8	17.3	17.4	17.8	18.0	18.3	18.9
8H	16.1	16.4	16.6	16.9	17.5	17.7	18.1	18.3	18.6	19.2

Calculate in accordance with CIE 190:2010 The table is revised with 5159lm ($8\log(F/F_0) = 5.7$).

C Plane (°):0.0-360.0: 30.0
 Test Lab: EVERFINE
 Test Type: TYPE C
 Temperature: 25.3℃
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device:
 Distance: 11.655m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

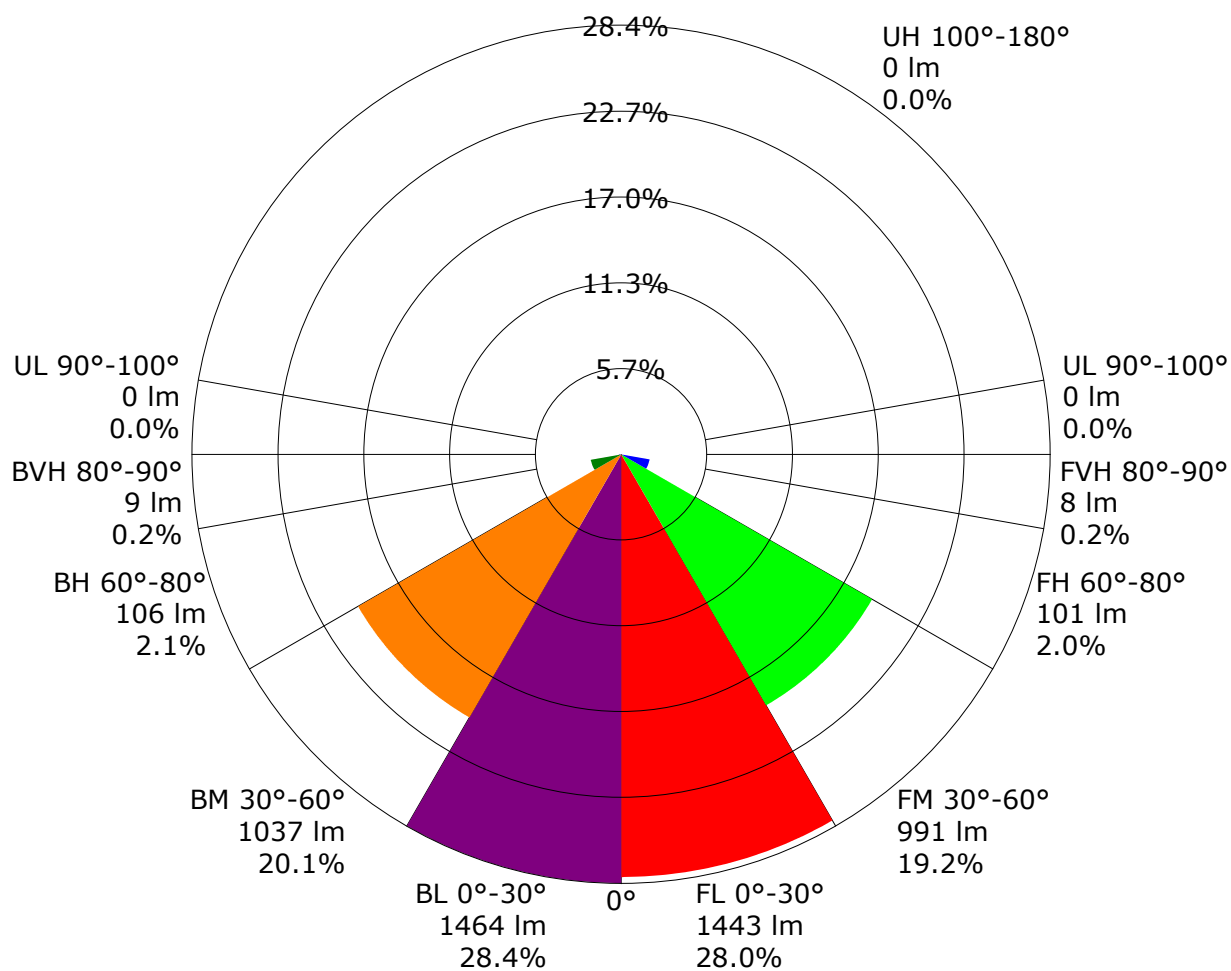
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2543	49.3
	FL (0°-30°)	1443	28.0
	FM (30°-60°)	991	19.2
	FH (60°-80°)	101	2.0
	FVH (80°-90°)	8	0.2
	BACK LIGHT	2616	50.7
	BL (0°-30°)	1464	28.4
	BM (30°-60°)	1037	20.1
	BH (60°-80°)	106	2.1
	BVH (80°-90°)	9	0.2
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U0 G0

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.00									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.77	0.85	0.91	0.94	0.99	1.02	1.05	1.07	1.09	
	0.30		0.72	0.80	0.86	0.90	0.95	0.99	1.01	1.05	1.07	
	0.20		0.68	0.76	0.82	0.86	0.92	0.96	0.99	1.02	1.05	
0.50	0.50	0.20	0.76	0.84	0.89	0.92	0.96	0.99	1.01	1.04	1.05	
	0.30		0.71	0.79	0.84	0.88	0.93	0.96	0.98	1.01	1.03	
	0.20		0.68	0.76	0.81	0.85	0.90	0.94	0.96	1.00	1.02	
0.30	0.50	0.20	0.75	0.82	0.87	0.90	0.94	0.96	0.98	1.00	1.01	
	0.30		0.71	0.78	0.83	0.86	0.91	0.94	0.96	0.98	1.00	
	0.20		0.67	0.75	0.80	0.84	0.89	0.92	0.94	0.97	0.99	
0.00	0.00	0.00	0.66	0.73	0.78	0.81	0.85	0.88	0.90	0.93	0.94	
<p>Rating:39W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.00									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.69	0.55	0.46	0.40	0.31	0.26	0.22	0.17	0.14	
	0.30		0.58	0.47	0.40	0.35	0.28	0.24	0.20	0.16	0.13	
	0.20		0.49	0.41	0.36	0.32	0.26	0.22	0.19	0.15	0.13	
0.50	0.50	0.20	0.66	0.53	0.44	0.38	0.29	0.28	0.21	0.16	0.13	
	0.30		0.56	0.46	0.39	0.34	0.27	0.22	0.19	0.15	0.12	
	0.20		0.49	0.40	0.35	0.31	0.25	0.21	0.18	0.14	0.12	
0.30	0.50	0.20	0.64	0.50	0.42	0.36	0.28	0.23	0.19	0.15	0.12	
	0.30		0.54	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.11	
	0.20		0.48	0.39	0.34	0.30	0.24	0.20	0.17	0.13	0.11	
0.00	0.00	0.00	0.35	0.28	0.23	0.20	0.15	0.12	0.11	0.08	0.07	
<p>Rating:39W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.00									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.19	0.19	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.13	0.15	0.16	0.16	0.18	0.18	0.19	0.20	0.20	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.30	0.50	0.20	0.13	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.19	
	0.30		0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<p>Rating:39W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4454.7	4.3	4.3	0.08	0.08
1.0-2.0	4445.2	12.8	17.0	0.25	0.33
2.0-3.0	4427.2	21.2	38.2	0.41	0.74
3.0-4.0	4402.1	29.5	67.7	0.57	1.31
4.0-5.0	4370.2	37.6	105.3	0.73	2.04
5.0-6.0	4331.6	45.5	150.8	0.88	2.92
6.0-7.0	4287.0	53.2	204.0	1.03	3.95
7.0-8.0	4238.7	60.7	264.7	1.18	5.13
8.0-9.0	4188.1	67.9	332.6	1.32	6.45
9.0-10.0	4134.4	74.8	407.4	1.45	7.90
10.0-11.0	4077.8	81.5	488.9	1.58	9.48
11.0-12.0	4020.8	87.9	576.8	1.70	11.18
12.0-13.0	3964.6	94.1	670.9	1.82	13.00
13.0-14.0	3907.6	100.0	770.9	1.94	14.94
14.0-15.0	3850.0	105.7	876.6	2.05	16.99
15.0-16.0	3792.2	111.1	987.8	2.15	19.15
16.0-17.0	3734.1	116.3	1104.1	2.25	21.40
17.0-18.0	3675.4	121.2	1225.3	2.35	23.75
18.0-19.0	3614.4	125.8	1351.0	2.44	26.19
19.0-20.0	3550.0	130.0	1481.0	2.52	28.71
20.0-21.0	3483.8	133.8	1614.8	2.59	31.30
21.0-22.0	3415.2	137.3	1752.0	2.66	33.96
22.0-23.0	3341.9	140.2	1892.3	2.72	36.68
23.0-24.0	3263.4	142.7	2035.0	2.77	39.45
24.0-25.0	3180.0	144.6	2179.6	2.80	42.25
25.0-26.0	3091.1	145.9	2325.5	2.83	45.08
26.0-27.0	2994.8	146.5	2472.1	2.84	47.92
27.0-28.0	2887.3	146.2	2618.3	2.83	50.75
28.0-29.0	2771.0	145.0	2763.3	2.81	53.56
29.0-30.0	2650.1	143.1	2906.4	2.77	56.34
30.0-31.0	2525.1	140.5	3046.9	2.72	59.06
31.0-32.0	2396.2	137.3	3184.2	2.66	61.72
32.0-33.0	2265.4	133.5	3317.7	2.59	64.31
33.0-34.0	2137.1	129.3	3447.0	2.51	66.82
34.0-35.0	2012.3	125.0	3572.0	2.42	69.24
35.0-36.0	1889.8	120.3	3692.3	2.33	71.57

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1769.9	115.4	3807.8	2.24	73.81
37.0-38.0	1655.4	110.5	3918.3	2.14	75.95
38.0-39.0	1544.8	105.5	4023.8	2.04	77.99
39.0-40.0	1432.3	99.9	4123.7	1.94	79.93
40.0-41.0	1311.6	93.4	4217.1	1.81	81.74
41.0-42.0	1184.3	86.1	4303.1	1.67	83.41
42.0-43.0	1061.0	78.6	4381.7	1.52	84.93
43.0-44.0	940.7	71.0	4452.7	1.38	86.31
44.0-45.0	812.9	62.5	4515.2	1.21	87.52
45.0-46.0	680.8	53.3	4568.5	1.03	88.55
46.0-47.0	563.6	44.8	4613.3	0.87	89.42
47.0-48.0	474.0	38.3	4651.6	0.74	90.17
48.0-49.0	406.5	33.4	4685.0	0.65	90.81
49.0-50.0	353.8	29.5	4714.5	0.57	91.38
50.0-51.0	313.9	26.6	4741.1	0.51	91.90
51.0-52.0	286.7	24.6	4765.7	0.48	92.38
52.0-53.0	270.1	23.5	4789.2	0.46	92.83
53.0-54.0	258.3	22.8	4811.9	0.44	93.27
54.0-55.0	247.7	22.1	4834.1	0.43	93.70
55.0-56.0	237.2	21.4	4855.5	0.42	94.12
56.0-57.0	226.5	20.7	4876.2	0.40	94.52
57.0-58.0	216.0	20.0	4896.2	0.39	94.91
58.0-59.0	205.6	19.2	4915.4	0.37	95.28
59.0-60.0	195.0	18.4	4933.8	0.36	95.64
60.0-61.0	184.5	17.6	4951.4	0.34	95.98
61.0-62.0	174.2	16.8	4968.2	0.33	96.30
62.0-63.0	164.0	16.0	4984.2	0.31	96.61
63.0-64.0	154.1	15.1	4999.3	0.29	96.90
64.0-65.0	144.3	14.3	5013.6	0.28	97.18
65.0-66.0	134.8	13.5	5027.1	0.26	97.44
66.0-67.0	125.6	12.6	5039.7	0.24	97.69
67.0-68.0	116.8	11.8	5051.5	0.23	97.92
68.0-69.0	108.4	11.1	5062.6	0.21	98.13
69.0-70.0	100.5	10.3	5072.9	0.20	98.33
70.0-71.0	93.1	9.6	5082.5	0.19	98.52
71.0-72.0	86.0	8.9	5091.5	0.17	98.69

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 3)

cone flux(90°): 4515.22 lm

%lum = 87.5%

%lamp = 87.5%

cone flux(120°): 4933.83 lm

%lum = 95.6%

%lamp = 95.6%

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0
G0.0	4456.9	4456.9	4456.9	4456.9	4456.9	4456.9	4456.9	4456.9	4456.9
G1.0	4449.0	4456.6	4465.5	4469.0	4466.5	4465.9	4461.3	4449.3	4440.4
G2.0	4435.9	4448.0	4464.2	4467.7	4464.6	4465.4	4456.6	4434.3	4412.0
G3.0	4419.3	4434.7	4449.5	4452.1	4450.9	4460.2	4449.5	4416.1	4372.2
G4.0	4399.9	4413.0	4426.1	4425.5	4425.7	4447.9	4435.8	4392.3	4330.0
G5.0	4371.8	4387.1	4395.2	4387.1	4393.5	4427.7	4418.1	4362.3	4284.7
G6.0	4339.0	4354.4	4348.5	4340.7	4355.3	4402.8	4396.8	4330.3	4231.0
G7.0	4307.5	4317.8	4296.8	4284.9	4302.9	4370.7	4370.0	4293.1	4169.5
G8.0	4275.5	4276.4	4246.7	4220.2	4247.3	4334.9	4341.6	4251.4	4106.6
G9.0	4238.8	4232.6	4188.9	4151.1	4188.9	4296.6	4308.5	4208.8	4044.6
G10.0	4198.9	4185.7	4120.1	4077.5	4131.3	4253.5	4272.2	4163.4	3986.5
G11.0	4156.3	4135.2	4048.3	4000.5	4063.2	4209.3	4235.4	4116.4	3919.4
G12.0	4118.8	4086.3	3983.5	3925.4	3995.3	4165.5	4197.2	4071.4	3850.7
G13.0	4078.9	4034.2	3916.7	3848.3	3928.6	4116.5	4156.9	4023.2	3789.0
G14.0	4038.2	3979.8	3846.3	3771.0	3866.6	4067.2	4113.5	3973.5	3728.5
G15.0	3993.2	3927.3	3771.7	3699.1	3801.1	4018.2	4070.5	3924.1	3665.3
G16.0	3949.0	3872.6	3708.1	3629.1	3733.5	3968.9	4022.1	3869.2	3598.4
G17.0	3907.0	3816.2	3646.0	3558.4	3668.7	3916.3	3970.4	3811.2	3534.3
G18.0	3855.6	3760.1	3578.9	3490.1	3608.7	3861.4	3916.3	3752.8	3472.7
G19.0	3797.7	3699.0	3510.7	3424.7	3549.1	3801.6	3852.8	3690.5	3409.9
G20.0	3730.9	3636.3	3442.8	3360.7	3481.7	3737.6	3786.5	3622.6	3340.8
G21.0	3664.6	3567.3	3381.1	3297.9	3416.6	3668.8	3717.8	3550.7	3274.4
G22.0	3590.7	3494.0	3316.3	3233.0	3352.6	3594.5	3635.8	3473.3	3210.4
G23.0	3508.5	3412.4	3248.4	3167.0	3289.5	3511.6	3550.6	3390.4	3147.5
G24.0	3418.1	3326.8	3181.2	3096.2	3222.4	3426.7	3464.9	3306.3	3076.5
G25.0	3330.4	3236.1	3117.2	3014.9	3151.0	3335.1	3374.5	3216.7	3000.6
G26.0	3239.1	3144.5	3053.5	2909.9	3085.1	3237.6	3280.2	3125.5	2918.5
G27.0	3142.4	3047.0	2981.5	2779.7	3017.4	3138.5	3187.6	3032.0	2822.1
G28.0	3043.7	2948.7	2895.2	2604.9	2928.5	3042.7	3090.9	2940.9	2694.0
G29.0	2948.5	2852.4	2795.2	2429.7	2822.9	2948.3	2993.0	2852.5	2553.8
G30.0	2844.9	2762.0	2646.5	2235.7	2703.8	2854.7	2897.5	2765.6	2408.5
G31.0	2738.6	2673.2	2497.8	2034.5	2571.0	2767.1	2792.9	2684.6	2255.7
G32.0	2620.3	2587.1	2349.0	1841.1	2401.6	2683.7	2692.6	2590.7	2074.6
G33.0	2502.0	2502.3	2183.0	1669.5	2224.1	2588.5	2589.2	2497.0	1905.7
G34.0	2392.7	2417.4	2002.6	1508.4	2055.6	2493.3	2483.8	2416.0	1758.2
G35.0	2282.3	2333.0	1826.9	1359.5	1882.4	2410.9	2380.7	2337.0	1621.0

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table(Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0
G36.0	2174.8	2249.7	1665.0	1209.5	1709.9	2328.2	2272.9	2256.1	1478.0
G37.0	2070.5	2167.6	1518.5	1055.5	1560.6	2247.2	2164.0	2177.5	1340.9
G38.0	1970.5	2089.2	1383.6	900.8	1429.0	2166.2	2062.3	2100.7	1213.9
G39.0	1865.3	2006.8	1252.4	753.9	1298.8	2087.1	1962.4	2022.3	1071.7
G40.0	1698.5	1923.6	1122.0	619.2	1152.5	2005.1	1855.5	1938.1	929.3
G41.0	1430.2	1844.2	993.3	513.7	1019.4	1918.7	1658.9	1847.8	788.0
G42.0	1189.2	1759.0	862.1	440.5	886.4	1835.1	1364.9	1746.1	660.7
G43.0	1015.3	1646.5	726.0	393.2	759.2	1748.1	1143.1	1630.2	551.6
G44.0	869.0	1451.3	598.8	365.9	627.0	1637.3	983.1	1482.6	456.5
G45.0	705.6	1188.8	494.5	350.1	513.3	1453.9	823.5	1249.9	388.8
G46.0	526.0	985.6	416.3	337.6	430.6	1197.8	638.9	991.0	348.7
G47.0	389.1	783.0	364.8	325.8	376.7	969.3	472.0	802.9	328.0
G48.0	323.1	626.6	334.8	314.5	341.9	799.6	359.5	655.7	315.1
G49.0	295.6	488.1	316.6	303.6	321.1	644.1	311.4	521.6	304.3
G50.0	280.4	381.9	304.1	294.0	308.2	493.8	291.8	410.1	294.6
G51.0	266.8	313.3	292.9	285.0	296.5	370.3	278.1	328.6	284.2
G52.0	253.3	278.5	282.2	277.0	285.6	304.7	265.2	286.7	274.7
G53.0	239.8	261.8	272.3	269.6	276.0	279.0	252.6	268.7	266.2
G54.0	226.2	249.5	263.3	261.9	266.3	264.4	239.7	255.8	257.6
G55.0	213.9	237.2	254.9	253.5	257.8	251.6	227.2	243.4	249.7
G56.0	203.1	223.9	247.1	244.5	249.8	238.7	215.4	231.0	241.9
G57.0	193.1	211.7	238.1	232.9	241.5	225.7	204.8	218.6	233.2
G58.0	184.2	200.7	229.0	221.4	233.2	213.5	194.7	206.4	224.2
G59.0	175.4	189.6	219.8	210.1	223.6	201.9	185.4	195.0	213.4
G60.0	166.1	178.5	208.9	198.4	213.7	190.0	176.2	183.7	202.5
G61.0	157.8	169.1	198.2	187.7	202.3	179.5	167.0	173.6	190.9
G62.0	148.7	159.7	186.3	176.9	190.9	169.4	158.5	163.7	179.4
G63.0	139.6	150.4	175.1	166.8	179.1	159.8	149.4	154.3	168.0
G64.0	130.1	141.6	164.2	157.1	168.0	150.6	140.2	145.1	157.4
G65.0	120.1	132.4	153.0	147.9	156.9	141.4	130.1	135.9	146.6
G66.0	111.2	123.3	143.2	139.4	147.0	132.7	120.4	127.1	137.2
G67.0	102.2	114.3	133.3	130.8	136.7	123.5	110.7	117.9	127.4
G68.0	94.1	105.7	124.4	123.1	127.5	114.7	102.0	109.2	118.1
G69.0	86.3	97.8	115.9	115.4	118.4	106.0	93.8	100.9	110.2
G70.0	78.9	90.1	107.7	108.1	110.2	98.0	85.9	93.2	102.4
G71.0	72.2	83.1	100.1	101.1	102.5	90.3	78.6	85.8	95.2

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3℃
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table(Continue 2)

Unit: cd

[illegible]

C Plane (°):0.0-360.0: 30.0
Test Lab: EVERFINE
Test Type: TYPE C
Temperature: 25.3°C
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table(Continue 3)

Unit: cd

G\C	C270.0	C300.0	C330.0	C360.0					
G0.0	4456.9	4456.9	4456.9	4456.9					
G1.0	4431.0	4435.9	4438.5	4449.0					
G2.0	4394.7	4399.1	4412.5	4435.9					
G3.0	4351.0	4357.7	4383.3	4419.3					
G4.0	4296.9	4314.6	4347.1	4399.9					
G5.0	4235.5	4260.8	4306.2	4371.8					
G6.0	4169.6	4195.7	4263.2	4339.0					
G7.0	4100.5	4130.6	4215.1	4307.5					
G8.0	4029.8	4071.6	4167.8	4275.5					
G9.0	3957.5	4009.2	4118.0	4238.8					
G10.0	3885.2	3938.5	4069.5	4198.9					
G11.0	3813.7	3867.6	4018.6	4156.3					
G12.0	3743.7	3806.4	3971.6	4118.8					
G13.0	3674.9	3745.2	3923.1	4078.9					
G14.0	3607.0	3678.9	3876.1	4038.2					
G15.0	3544.1	3609.5	3829.9	3993.2					
G16.0	3479.5	3545.2	3782.7	3949.0					
G17.0	3415.9	3485.6	3730.3	3907.0					
G18.0	3353.4	3420.4	3677.8	3855.6					
G19.0	3289.0	3351.2	3620.2	3797.7					
G20.0	3223.5	3283.4	3557.5	3730.9					
G21.0	3156.3	3221.4	3489.3	3664.6					
G22.0	3086.0	3155.9	3415.5	3590.7					
G23.0	3000.0	3088.8	3333.1	3508.5					
G24.0	2889.7	3019.8	3246.4	3418.1					
G25.0	2758.7	2954.6	3154.9	3330.4					
G26.0	2607.2	2879.0	3060.6	3239.1					
G27.0	2441.8	2780.8	2963.4	3142.4					
G28.0	2259.1	2643.8	2867.8	3043.7					
G29.0	2068.7	2506.9	2770.8	2948.5					
G30.0	1885.7	2369.9	2684.6	2844.9					
G31.0	1712.1	2213.9	2600.5	2738.6					
G32.0	1549.6	2058.6	2517.2	2620.3					
G33.0	1399.7	1908.1	2434.3	2502.0					
G34.0	1250.0	1756.7	2351.4	2392.7					
G35.0	1094.2	1615.2	2266.2	2282.3					

C Plane (°):0.0-360.0: 30.0
 Test Lab: EVERFINE
 Test Type: TYPE C
 Temperature: 25.3℃
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device:
 Distance: 11.655m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table(Continue 4)

Unit: cd

G\C	C270.0	C300.0	C330.0	C360.0					
G36.0	938.4	1480.0	2182.5	2174.8					
G37.0	782.6	1346.7	2100.8	2070.5					
G38.0	648.4	1213.5	2019.7	1970.5					
G39.0	539.8	1082.7	1935.3	1865.3					
G40.0	460.0	945.7	1846.6	1698.5					
G41.0	406.5	810.7	1751.1	1430.2					
G42.0	373.1	684.2	1638.5	1189.2					
G43.0	355.4	566.7	1488.1	1015.3					
G44.0	343.3	472.5	1266.4	869.0					
G45.0	332.5	403.7	1050.2	705.6					
G46.0	322.1	356.5	834.2	526.0					
G47.0	311.6	329.0	688.9	389.1					
G48.0	301.6	313.3	548.4	323.1					
G49.0	292.5	301.7	421.6	295.6					
G50.0	284.4	291.3	335.4	280.4					
G51.0	276.6	281.2	289.9	266.8					
G52.0	268.6	271.9	268.9	253.3					
G53.0	260.3	263.0	255.1	239.8					
G54.0	251.9	254.9	242.7	226.2					
G55.0	242.9	246.8	230.7	213.9					
G56.0	231.7	237.9	217.8	203.1					
G57.0	219.9	229.0	205.5	193.1					
G58.0	208.8	219.3	194.4	184.2					
G59.0	197.9	209.1	183.8	175.4					
G60.0	186.4	197.6	173.2	166.1					
G61.0	175.9	186.7	163.6	157.8					
G62.0	166.2	174.9	154.4	148.7					
G63.0	156.4	164.0	145.1	139.6					
G64.0	147.1	153.5	136.2	130.1					
G65.0	138.4	142.9	127.1	120.1					
G66.0	129.9	133.5	117.4	111.2					
G67.0	122.2	124.1	109.2	102.2					
G68.0	114.5	115.7	100.9	94.1					
G69.0	107.2	107.5	93.1	86.3					
G70.0	100.2	99.9	85.7	78.9					
G71.0	93.5	92.7	78.9	72.2					

C Plane (°):0.0-360.0: 30.0
 Test Lab: EVERFINE
 Test Type: TYPE C
 Temperature: 25.3℃
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device:
 Distance: 11.655m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device:
Distance: 11.655m [K=1.0000]
Humidity: 45% R.H
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	3916.31
L 0-180(75) av	2630.19
L 0-180(85) av	1520.42
L 90-270(65) av	4481.29
L 90-270(75) av	3657.74
L 90-270(85) av	2951.51
L 45(65) av	4445.69
L 45(75) av	3318.77
L 45(85) av	2361.12

Standard: GB/T 29293-2012