

Report No.:

Test Time: 2024-11-09 10:08

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: 5000K

Number of Lamps: 1

Luminous Length (mm): 110 mm

Luminous Height (mm): 0 mm

Current: 0.0400 A

Power Factor: 0.9100

Luminaire Description: PROJ26

Lamp Description:

Lumens per Lamp: 854.9 lm

Luminous Width (mm): 110 mm

Voltage: 230.30 V

Power: 8.35 mW

Photometric Results

CIE Class: Direct

Measurement Flux: 854.9 lm

Downward Ratio: 100.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.1, 152.1, 152.1, 152.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 98.3, 98.2, 98.2, 98.2

Luminous Efficacy (lm/w): 102.39

Max. Intensity: 358.02 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 854.9 lm

Efficiency: 100.00%

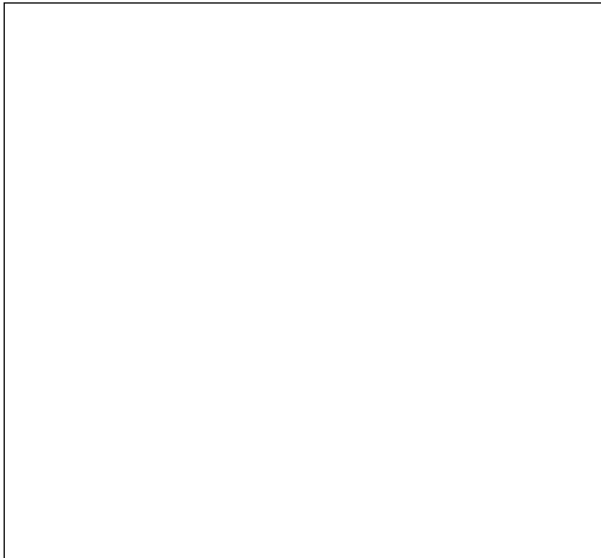
Upward Ratio: 0.00%

C0r0 Intensity: 357.9 cd

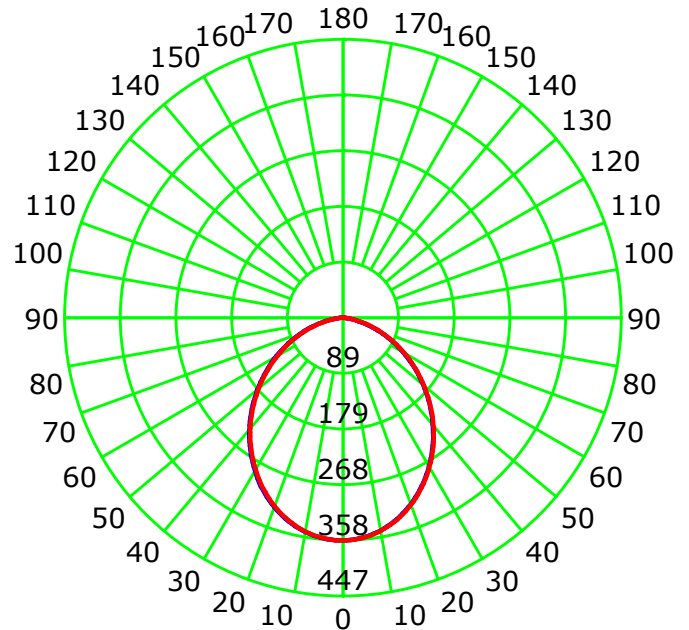
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 1.17

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

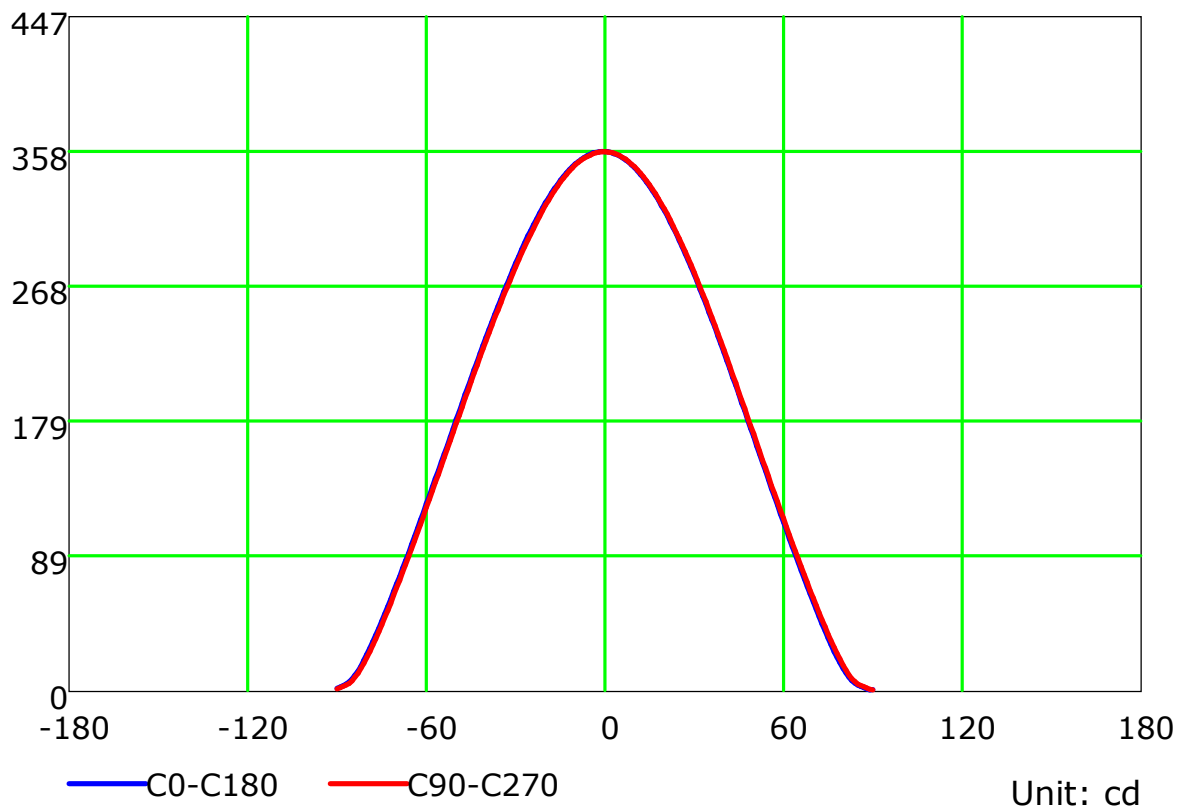
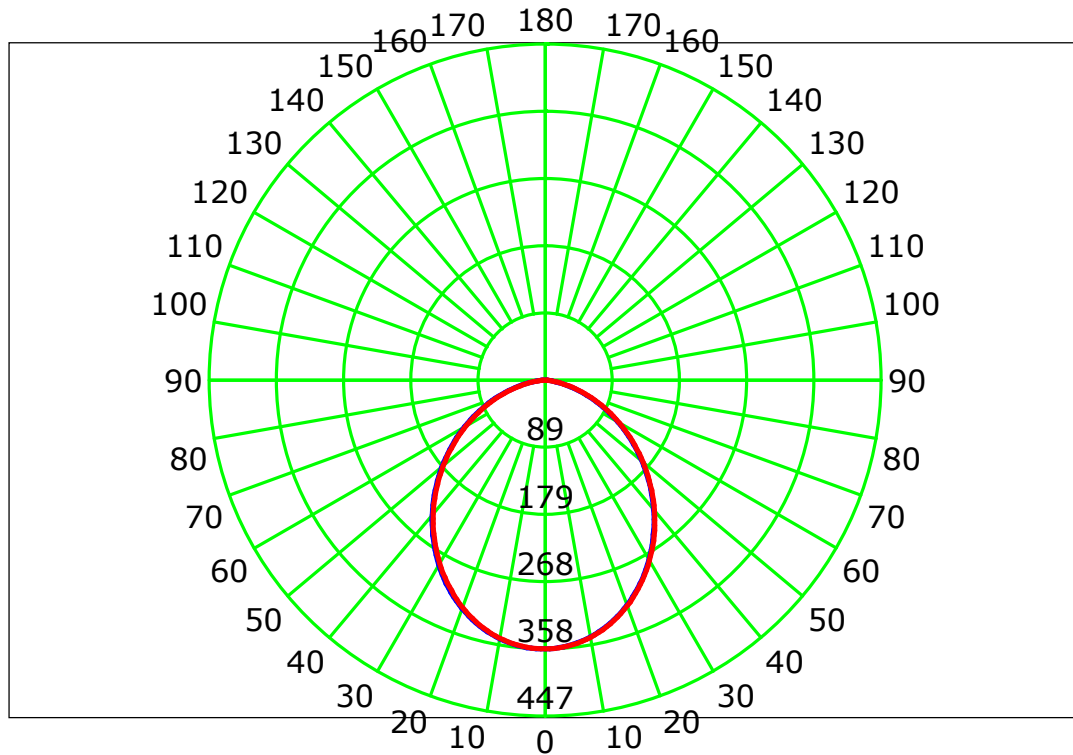
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

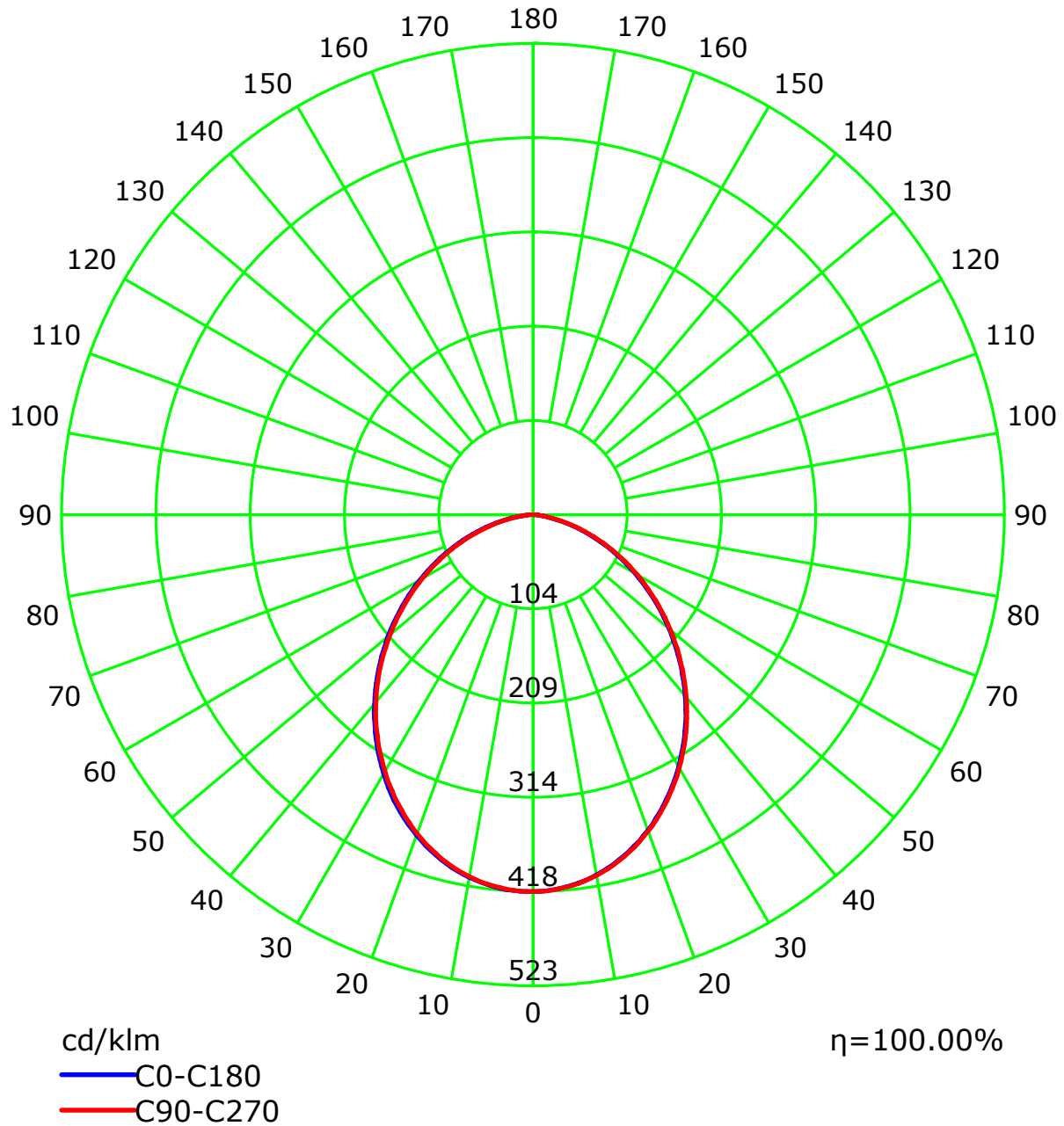
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

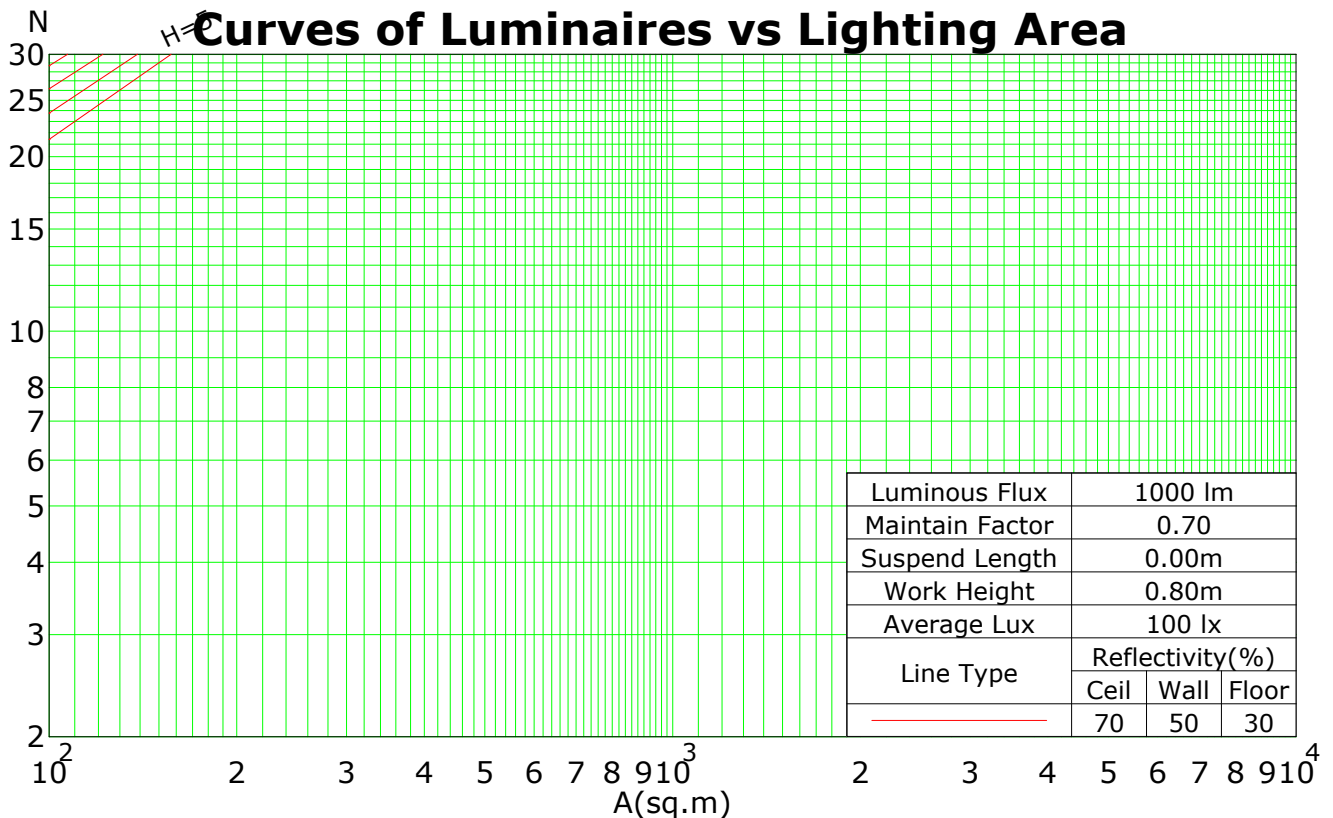
Coefficients Of Utilization - Zonal Cavity Method

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	1.10	1.05	1.01	0.98	1.07	1.03	0.99	0.96	0.99	0.96	0.93	0.95	0.93	0.90	0.91	0.89	0.88	0.86
2	1.00	0.93	0.86	0.81	0.98	0.91	0.85	0.80	0.87	0.82	0.78	0.84	0.80	0.76	0.81	0.78	0.75	0.73
3	0.92	0.82	0.74	0.68	0.89	0.80	0.73	0.67	0.77	0.71	0.66	0.75	0.70	0.65	0.72	0.68	0.64	0.62
4	0.84	0.73	0.65	0.58	0.82	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.65	0.60	0.56	0.53
5	0.78	0.66	0.57	0.51	0.76	0.64	0.56	0.50	0.62	0.55	0.50	0.60	0.54	0.49	0.59	0.53	0.49	0.47
6	0.72	0.59	0.51	0.44	0.70	0.58	0.50	0.44	0.57	0.49	0.44	0.55	0.48	0.43	0.53	0.48	0.43	0.41
7	0.67	0.54	0.45	0.39	0.65	0.53	0.45	0.39	0.52	0.44	0.39	0.50	0.44	0.39	0.49	0.43	0.39	0.37
8	0.62	0.49	0.41	0.35	0.61	0.49	0.41	0.35	0.47	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.33
9	0.58	0.45	0.37	0.32	0.57	0.45	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.42	0.36	0.31	0.30
10	0.55	0.42	0.34	0.29	0.54	0.41	0.34	0.29	0.40	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.29	0.27

Spacing Criteria (0-180): 1.17

Spacing Criteria (90-270): 1.17

Spacing Criteria (Diagonal): 1.28



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

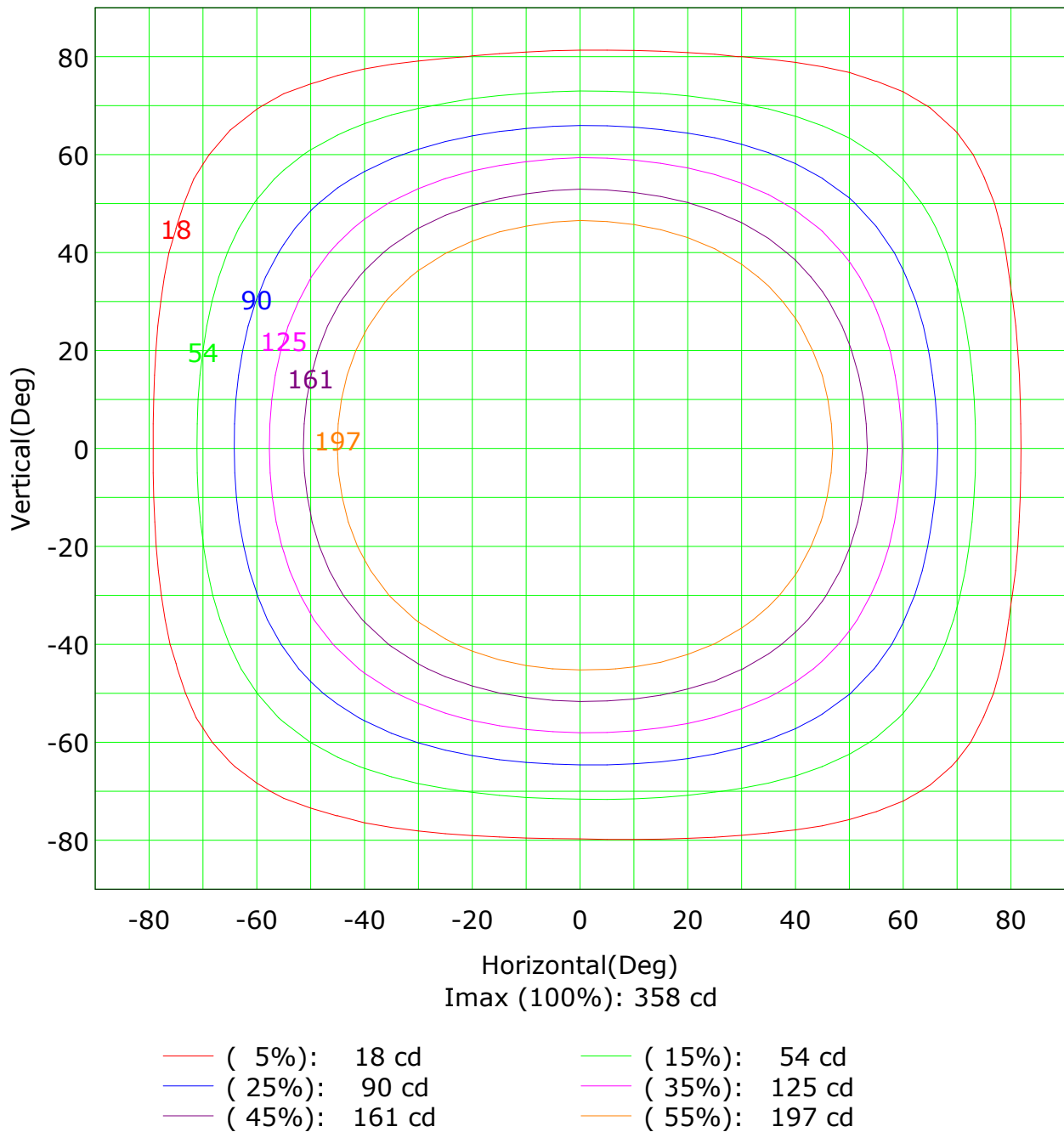
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

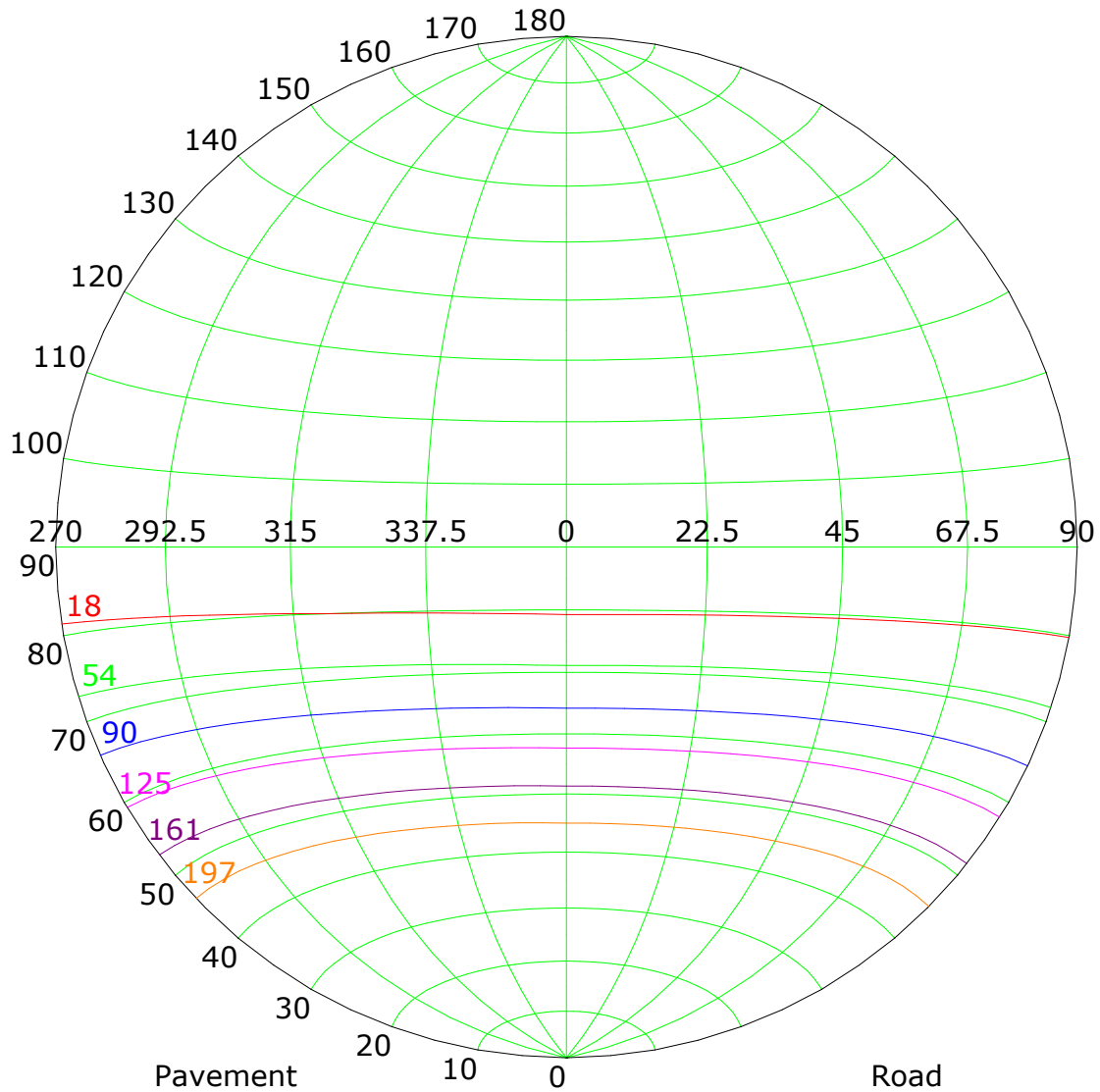
Isocandela (rectangle)



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (sphere)



Imax (100%): 358 cd

(5%): 18 cd
(25%): 90 cd
(45%): 161 cd

(15%): 54 cd
(35%): 125 cd
(55%): 197 cd

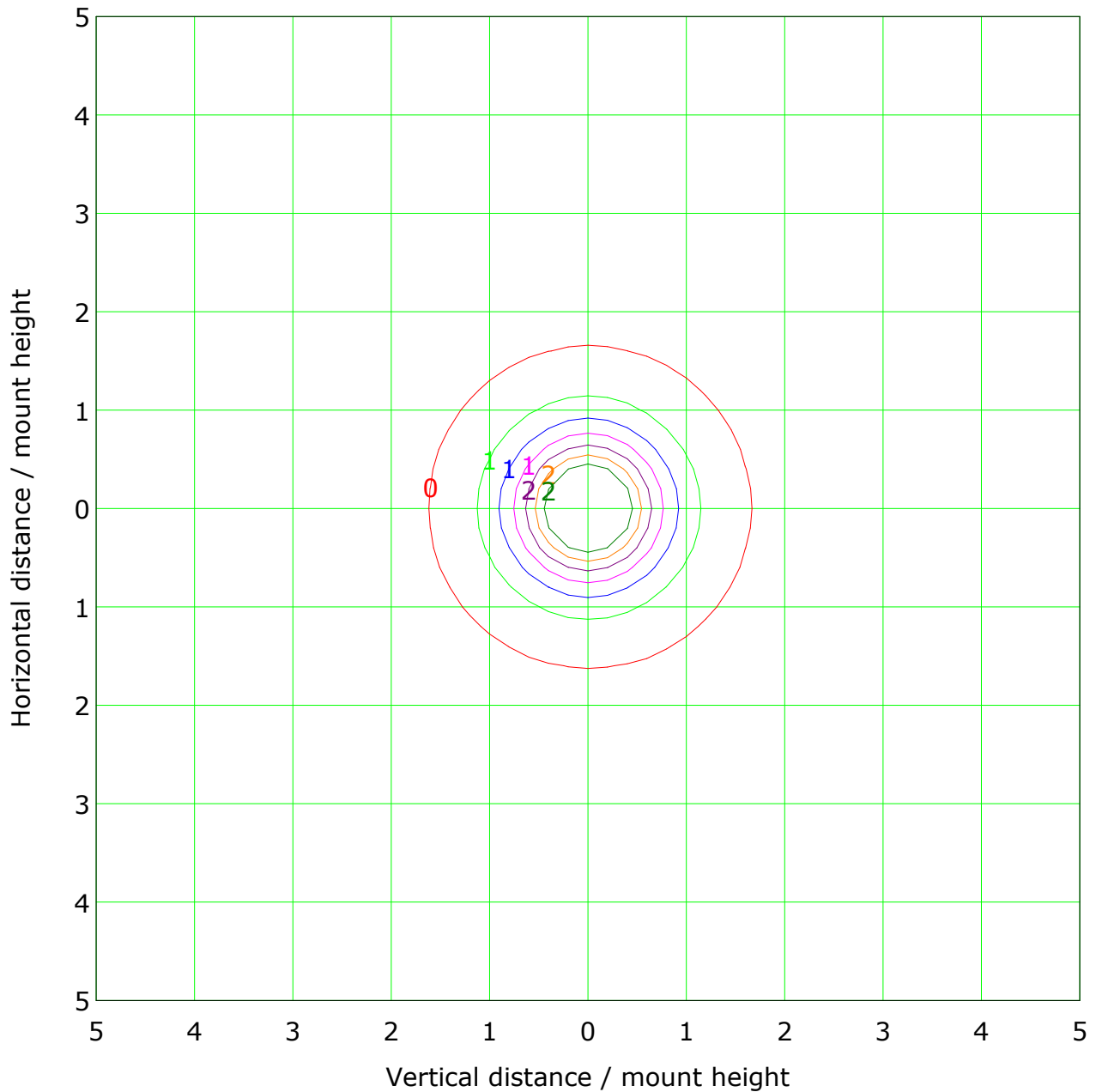
CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 1.965 cd/klm

IES: Cut-off
Max.At80: 28.296 cd/klm
Max.80-90: 28.296 cd/klm

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

IsoLux Plot



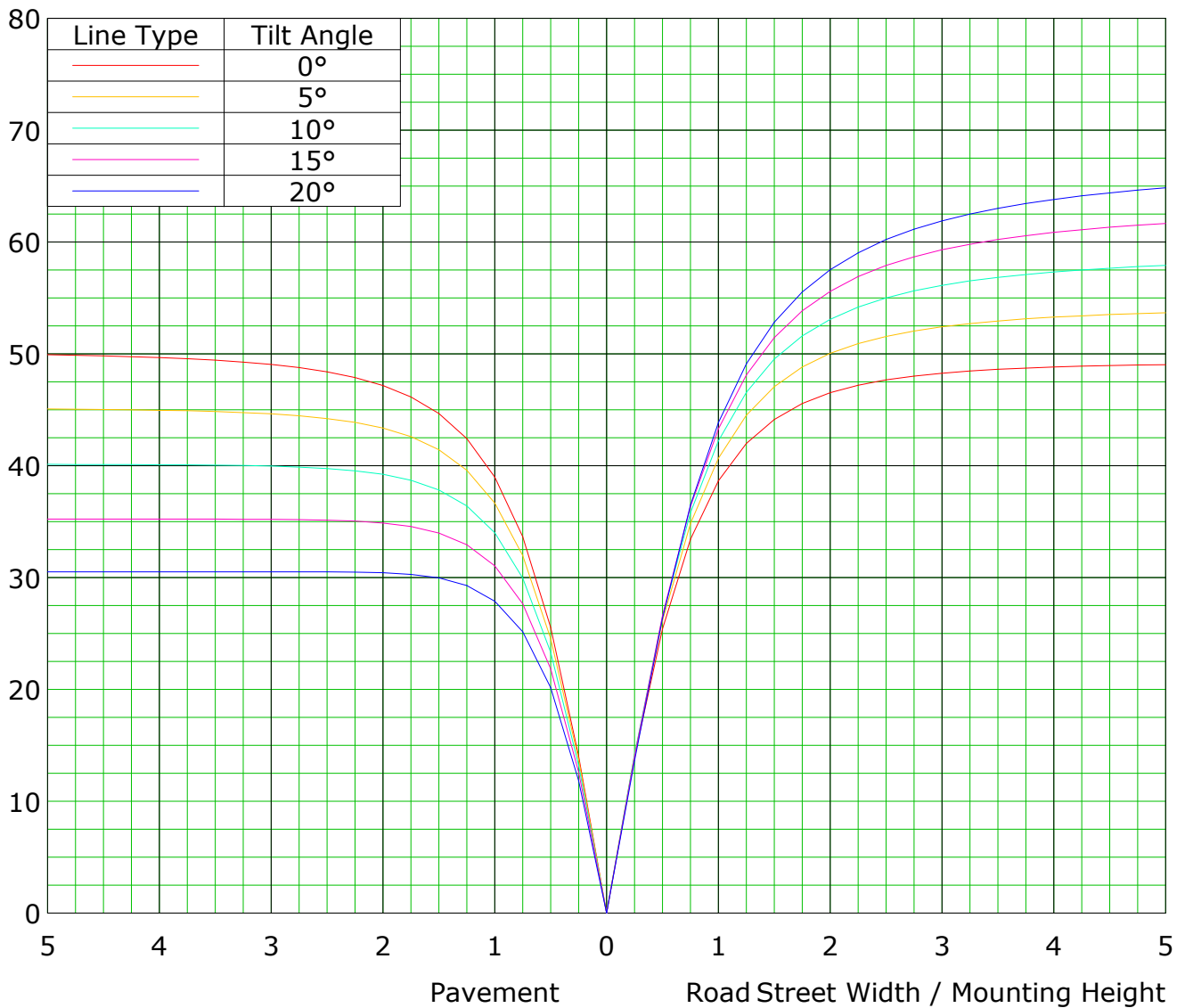
Mounting Height: 10.0m		Max Lux(100%): 3.6 lx	
(5%):	0.2 lx	(15%):	0.5 lx
(25%):	0.9 lx	(35%):	1.3 lx
(45%):	1.6 lx	(55%):	2.0 lx
(65%):	2.3 lx		

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



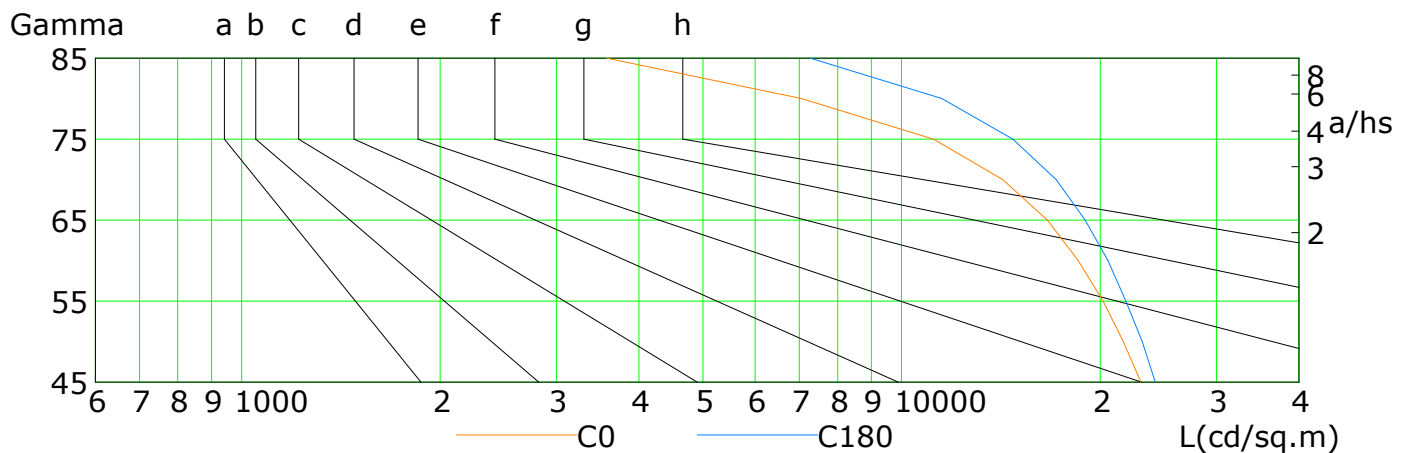
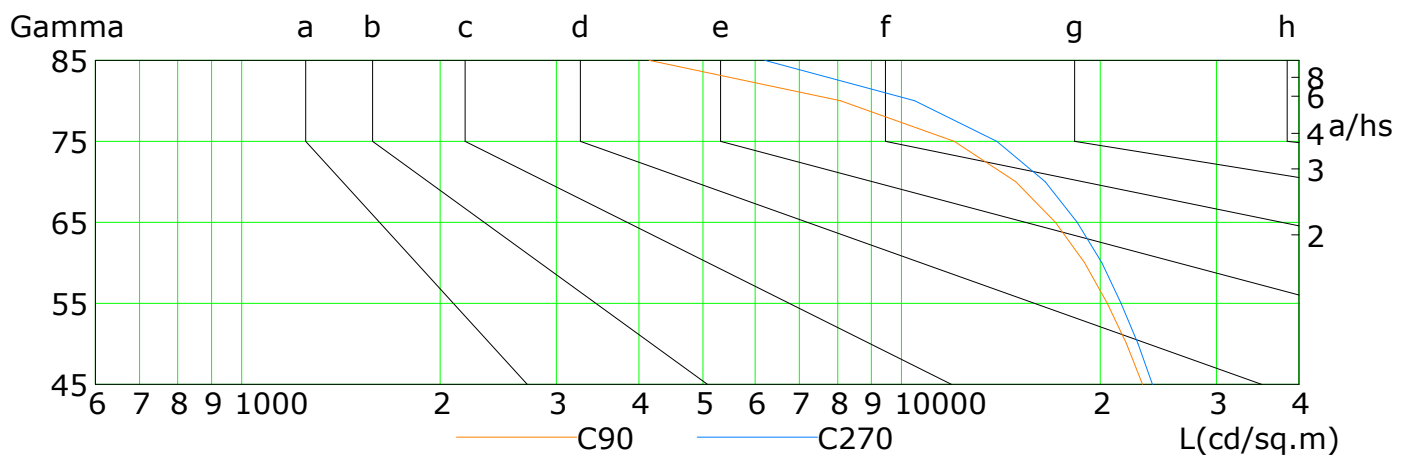
C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 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	23047	21679	20198	18514	16630	14232	11179	7049	3575
C90	23169	21923	20505	18927	17097	14890	12013	8072	4144
C180	24251	23149	21880	20534	18980	17142	14752	11513	7273
C270	23993	22820	21508	20104	18451	16499	13938	10466	6201

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

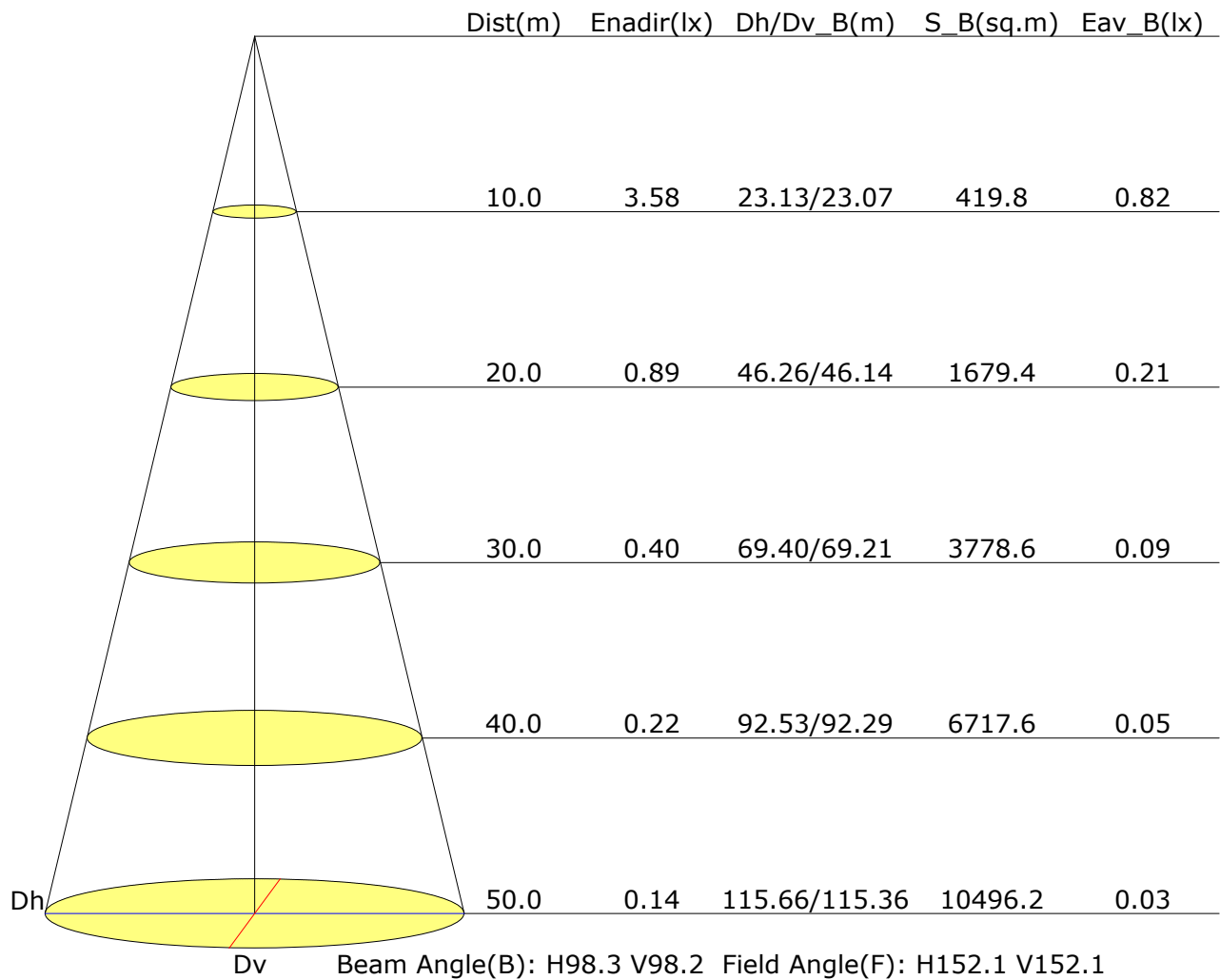
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

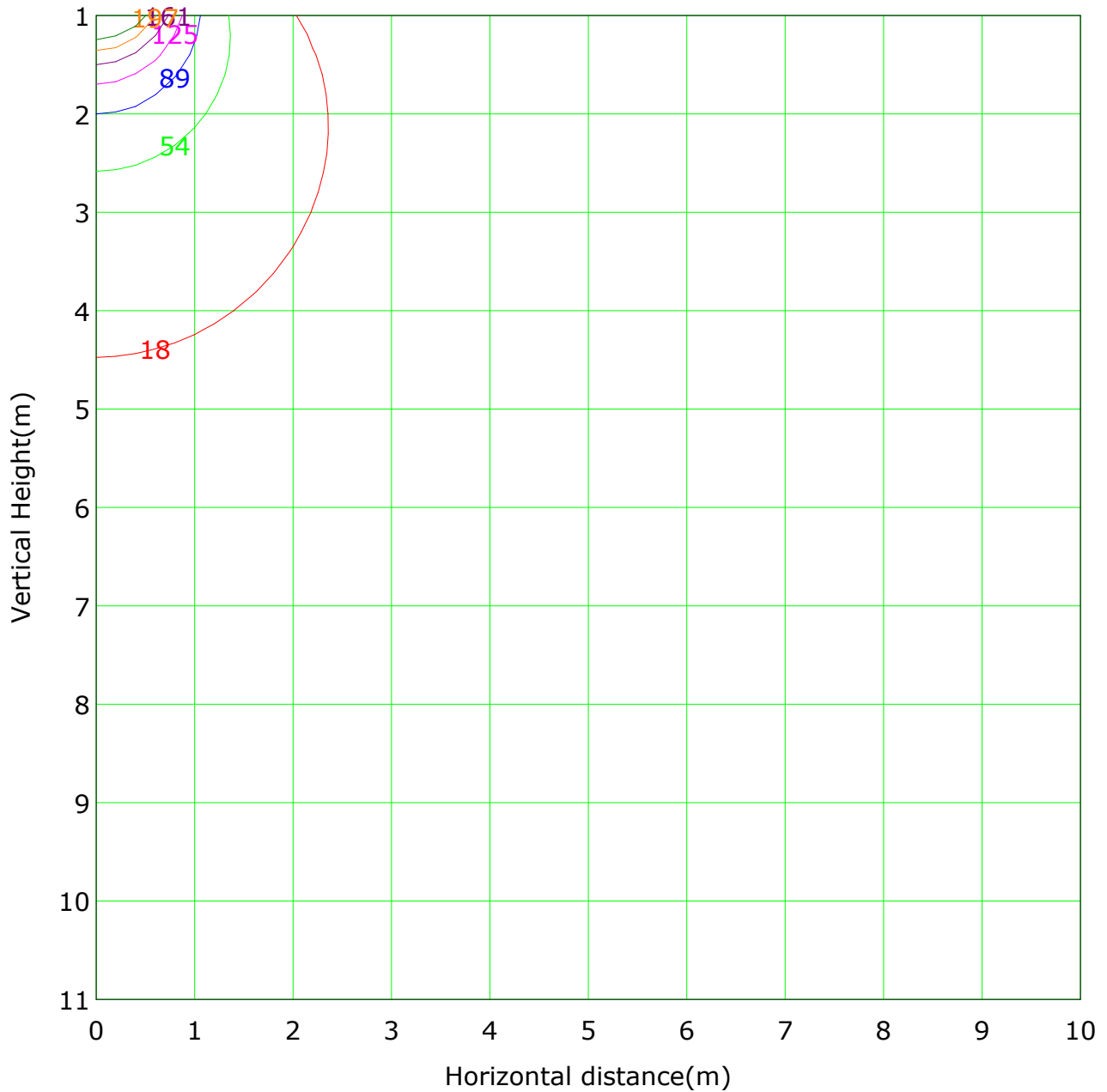
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 357.9 lx
(5%): 17.9 lx	(15%): 53.7 lx	
(25%): 89.5 lx	(35%): 125.3 lx	
(45%): 161.1 lx	(55%): 196.8 lx	
(65%): 232.6 lx		

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Area Flux Table

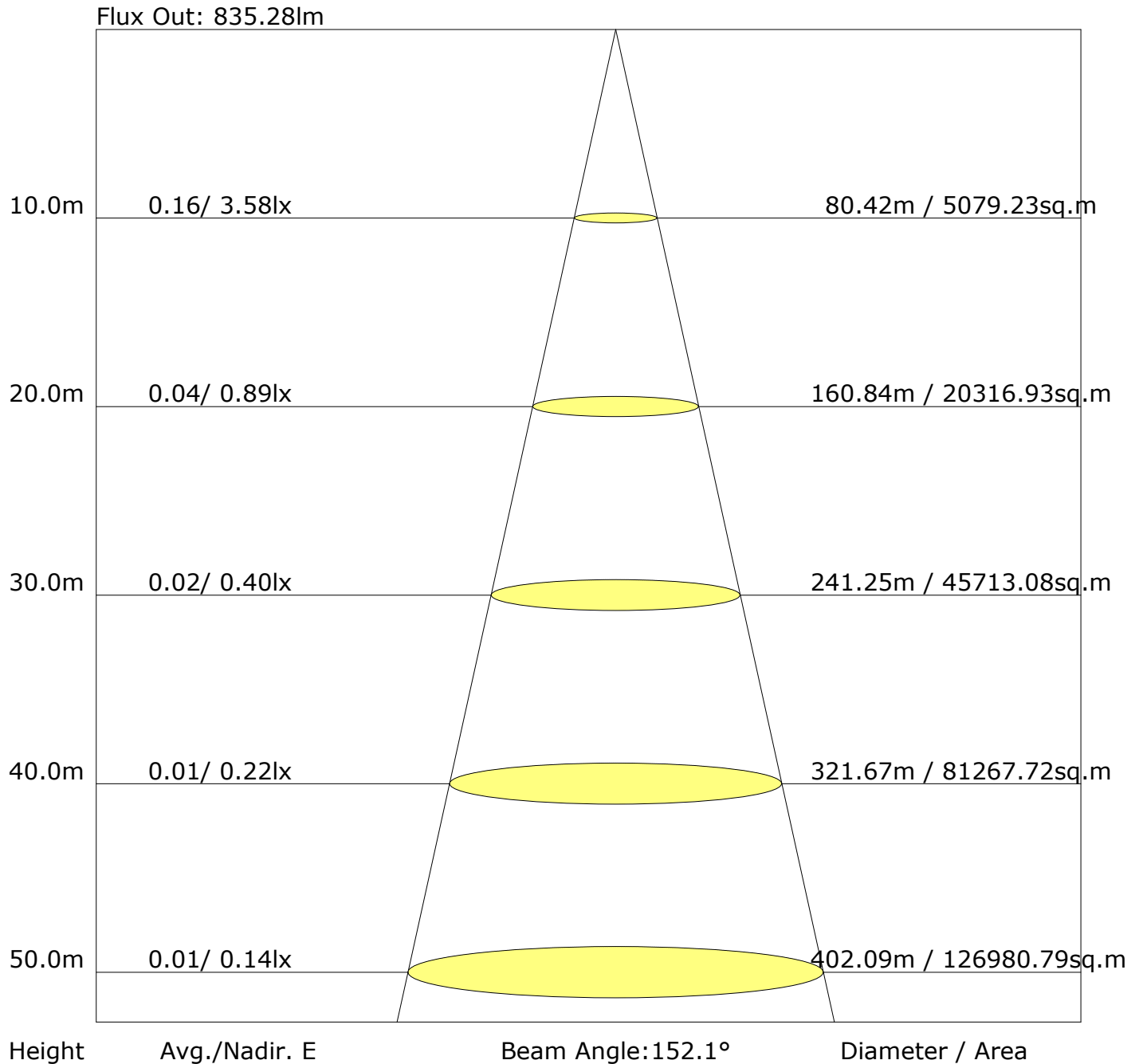
Unit: lm

Vertical plane	Horizontal plane																		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Flux(T)	0.4	3.8	12.5	26.4	44.2	63.8	82.3	96.7	104.5	104.1	95.5	80.3	61.3	41.6	24.0	10.6	2.7	0.2	855
Flux(E)	0.0	2.2	11.3	25.3	43.1	62.7	81.2	95.6	103.3	102.9	94.4	79.2	60.2	40.5	22.8	9.4	1.2	0.0	835

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

UGR Table

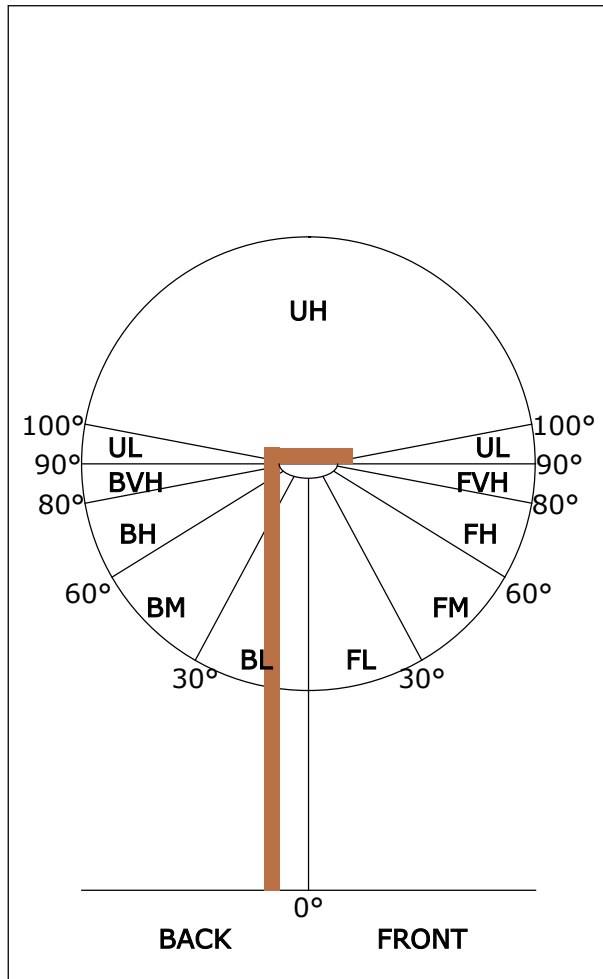
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	22.8	24.1	23.1	24.3	24.6	23.0	24.3	23.3	24.5	24.7
3H	23.9	25.1	24.2	25.4	25.6	24.2	25.4	24.5	25.6	25.9
4H	24.3	25.4	24.6	25.7	26.0	24.6	25.7	24.9	26.0	26.3
6H	24.4	25.4	24.8	25.7	26.1	24.8	25.8	25.1	26.1	26.5
8H	24.4	25.4	24.8	25.7	26.0	24.8	25.8	25.2	26.1	26.5
12H	24.4	25.3	24.8	25.7	26.0	24.8	25.8	25.2	26.1	26.4
X=4H Y=2H	23.4	24.5	23.7	24.8	25.1	23.5	24.6	23.8	24.9	25.2
3H	24.6	25.6	25.0	25.9	26.3	24.9	25.8	25.2	26.2	26.5
4H	25.1	25.9	25.5	26.3	26.7	25.4	26.2	25.8	26.6	27.0
6H	25.3	26.1	25.7	26.4	26.8	25.7	26.4	26.1	26.8	27.2
8H	25.3	26.0	25.7	26.4	26.8	25.7	26.4	26.1	26.8	27.2
12H	25.3	25.9	25.8	26.4	26.8	25.7	26.4	26.2	26.8	27.2
X=8H Y=4H	25.3	26.0	25.7	26.4	26.8	25.5	26.2	26.0	26.6	27.0
6H	25.5	26.1	26.0	26.5	27.0	25.9	26.4	26.4	26.9	27.3
8H	25.6	26.1	26.1	26.5	27.0	26.0	26.5	26.5	26.9	27.4
12H	25.6	26.0	26.1	26.5	27.0	26.0	26.4	26.5	26.9	27.4
X=12H Y=4H	25.2	25.9	25.7	26.3	26.7	25.5	26.1	26.0	26.6	27.0
6H	25.5	26.0	26.0	26.5	27.0	25.9	26.4	26.4	26.8	27.3
8H	25.6	26.0	26.1	26.5	27.0	26.0	26.4	26.5	26.9	27.4
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.7					+0.3/-0.6				
S=2.0H	+0.7/-1.3					+0.7/-1.1				

Calculate in accordance with CIE Pub.117. The table is revised with 855lm ($8\log(F/F_0) = -0.5$).

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



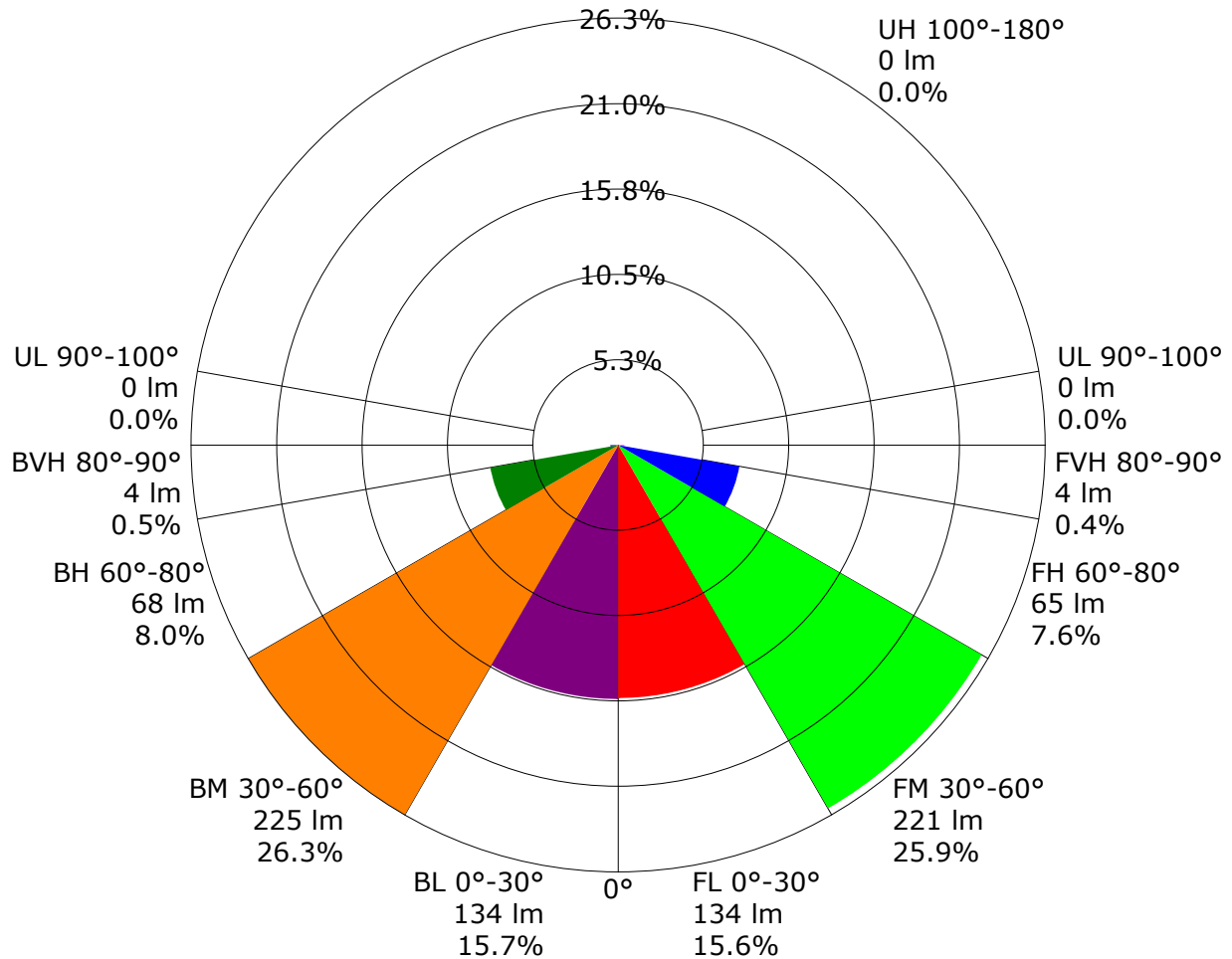
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	423	49.5
FL (0°-30°)	134	15.6
FM (30°-60°)	221	25.9
FH (60°-80°)	65	7.6
FVH (80°-90°)	4	0.4
BACK LIGHT	432	50.5
BL (0°-30°)	134	15.7
BM (30°-60°)	225	26.3
BH (60°-80°)	68	8.0
BVH (80°-90°)	4	0.5
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U0 G0

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
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	0.60	0.71	0.78	0.83	0.90	0.95	0.98	1.02	1.05	
	0.30		0.53	0.63	0.71	0.76	0.84	0.90	0.93	0.98	1.02	
	0.20		0.48	0.58	0.66	0.71	0.79	0.85	0.89	0.95	0.99	
0.50	0.50	0.20	0.59	0.69	0.75	0.80	0.87	0.91	0.94	0.98	1.01	
	0.30		0.52	0.62	0.69	0.75	0.82	0.87	0.90	0.95	0.98	
	0.20		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.96	
0.30	0.50	0.20	0.57	0.67	0.73	0.78	0.84	0.88	0.91	0.95	0.97	
	0.30		0.51	0.61	0.68	0.73	0.80	0.85	0.88	0.92	0.95	
	0.20		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93	
0.00	0.00	0.00	0.45	0.54	0.61	0.66	0.73	0.78	0.81	0.85	0.88	
Rating:8W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
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	0.94	0.77	0.65	0.56	0.45	0.37	0.31	0.24	0.20	
	0.30		0.79	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19	
	0.20		0.67	0.58	0.50	0.45	0.37	0.31	0.27	0.21	0.18	
0.50	0.50	0.20	0.91	0.74	0.62	0.54	0.43	0.38	0.30	0.23	0.19	
	0.30		0.77	0.64	0.55	0.48	0.39	0.32	0.28	0.22	0.18	
	0.20		0.67	0.57	0.49	0.44	0.36	0.30	0.26	0.21	0.17	
0.30	0.50	0.20	0.88	0.71	0.60	0.52	0.41	0.33	0.28	0.22	0.18	
	0.30		0.75	0.63	0.54	0.47	0.37	0.31	0.27	0.21	0.17	
	0.20		0.66	0.56	0.48	0.43	0.35	0.29	0.25	0.20	0.16	
0.00	0.00	0.00	0.55	0.46	0.39	0.34	0.27	0.22	0.19	0.15	0.12	
Rating:8W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
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	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	
0.30	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.19	0.20	
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16	
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Rating:8W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	357.9	0.3	0.3	0.04	0.04
1.0-2.0	357.8	1.0	1.4	0.12	0.16
2.0-3.0	357.4	1.7	3.1	0.20	0.36
3.0-4.0	356.8	2.4	5.5	0.28	0.64
4.0-5.0	356.0	3.1	8.5	0.36	1.00
5.0-6.0	355.0	3.7	12.3	0.44	1.43
6.0-7.0	353.9	4.4	16.7	0.51	1.95
7.0-8.0	352.6	5.0	21.7	0.59	2.54
8.0-9.0	351.1	5.7	27.4	0.67	3.20
9.0-10.0	349.4	6.3	33.7	0.74	3.94
10.0-11.0	347.5	6.9	40.7	0.81	4.76
11.0-12.0	345.4	7.6	48.2	0.88	5.64
12.0-13.0	343.3	8.1	56.4	0.95	6.59
13.0-14.0	340.8	8.7	65.1	1.02	7.61
14.0-15.0	338.2	9.3	74.4	1.09	8.70
15.0-16.0	335.5	9.8	84.2	1.15	9.85
16.0-17.0	332.6	10.4	94.6	1.21	11.06
17.0-18.0	329.6	10.9	105.4	1.27	12.33
18.0-19.0	326.3	11.4	116.8	1.33	13.66
19.0-20.0	322.9	11.8	128.6	1.38	15.04
20.0-21.0	319.5	12.3	140.9	1.44	16.48
21.0-22.0	315.8	12.7	153.6	1.48	17.96
22.0-23.0	312.0	13.1	166.7	1.53	19.50
23.0-24.0	308.1	13.5	180.1	1.58	21.07
24.0-25.0	304.0	13.8	194.0	1.62	22.69
25.0-26.0	300.0	14.2	208.1	1.66	24.34
26.0-27.0	295.8	14.5	222.6	1.69	26.04
27.0-28.0	291.3	14.8	237.3	1.73	27.76
28.0-29.0	286.9	15.0	252.4	1.76	29.52
29.0-30.0	282.3	15.2	267.6	1.78	31.30
30.0-31.0	277.6	15.4	283.1	1.81	33.11
31.0-32.0	272.7	15.6	298.7	1.83	34.94
32.0-33.0	267.9	15.8	314.5	1.85	36.78
33.0-34.0	263.2	15.9	330.4	1.86	38.65
34.0-35.0	258.1	16.0	346.4	1.87	40.52
35.0-36.0	253.0	16.1	362.5	1.88	42.41

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	248.0	16.2	378.7	1.89	44.30
37.0-38.0	242.7	16.2	394.9	1.90	46.19
38.0-39.0	237.5	16.2	411.1	1.90	48.09
39.0-40.0	232.2	16.2	427.3	1.89	49.99
40.0-41.0	226.7	16.1	443.5	1.89	51.87
41.0-42.0	221.5	16.1	459.6	1.88	53.76
42.0-43.0	216.0	16.0	475.6	1.87	55.63
43.0-44.0	210.4	15.9	491.4	1.86	57.49
44.0-45.0	204.9	15.7	507.2	1.84	59.33
45.0-46.0	199.2	15.6	522.8	1.82	61.15
46.0-47.0	193.7	15.4	538.2	1.80	62.95
47.0-48.0	188.0	15.2	553.4	1.78	64.73
48.0-49.0	182.3	15.0	568.4	1.75	66.48
49.0-50.0	176.9	14.7	583.1	1.73	68.21
50.0-51.0	171.2	14.5	597.6	1.69	69.90
51.0-52.0	165.5	14.2	611.8	1.66	71.56
52.0-53.0	159.9	13.9	625.7	1.63	73.19
53.0-54.0	154.2	13.6	639.3	1.59	74.78
54.0-55.0	148.7	13.3	652.6	1.55	76.33
55.0-56.0	143.0	12.9	665.5	1.51	77.84
56.0-57.0	137.3	12.6	678.0	1.47	79.31
57.0-58.0	132.0	12.2	690.3	1.43	80.74
58.0-59.0	126.4	11.8	702.1	1.38	82.12
59.0-60.0	120.8	11.4	713.5	1.34	83.46
60.0-61.0	115.2	11.0	724.5	1.29	84.74
61.0-62.0	109.7	10.6	735.1	1.24	85.98
62.0-63.0	104.4	10.2	745.2	1.19	87.17
63.0-64.0	99.0	9.7	754.9	1.14	88.31
64.0-65.0	93.6	9.3	764.2	1.08	89.39
65.0-66.0	88.3	8.8	773.0	1.03	90.42
66.0-67.0	83.0	8.3	781.3	0.98	91.40
67.0-68.0	77.8	7.9	789.2	0.92	92.32
68.0-69.0	72.6	7.4	796.6	0.87	93.19
69.0-70.0	67.4	6.9	803.6	0.81	94.00
70.0-71.0	62.5	6.5	810.0	0.76	94.75
71.0-72.0	57.5	6.0	816.0	0.70	95.45

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

[illegible]

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 3)

cone flux(90°): 507.19 lm

%lum = 59.3%
%lamp = 59.3%

cone flux(120°): 713.49 lm

%lum = 83.5%
%lamp = 83.5%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0
G0.0	357.9	358.0	357.9	358.0	357.9
G1.0	357.8	357.8	358.0	357.9	357.8
G2.0	357.5	357.5	357.8	357.7	357.5
G3.0	356.7	357.0	357.4	357.3	356.7
G4.0	356.0	356.1	357.2	356.6	356.0
G5.0	355.1	355.3	356.2	355.6	355.1
G6.0	353.9	354.1	355.3	354.8	353.9
G7.0	352.5	353.0	354.2	353.7	352.5
G8.0	351.0	351.4	352.9	352.4	351.0
G9.0	349.2	349.6	351.4	350.8	349.2
G10.0	347.4	348.0	349.8	349.1	347.4
G11.0	345.2	345.7	347.9	347.1	345.2
G12.0	342.9	343.6	346.0	345.2	342.9
G13.0	340.6	341.3	344.0	342.8	340.6
G14.0	337.8	338.5	341.4	340.2	337.8
G15.0	335.1	336.0	339.0	337.9	335.1
G16.0	332.2	333.0	336.1	334.9	332.2
G17.0	328.9	330.1	333.4	331.9	328.9
G18.0	326.0	326.7	330.4	329.0	326.0
G19.0	322.2	323.2	327.1	325.6	322.2
G20.0	318.9	319.8	324.0	322.3	318.9
G21.0	315.4	316.4	320.4	318.9	315.4
G22.0	311.2	312.5	317.0	314.9	311.2
G23.0	307.4	308.5	313.4	311.3	307.4
G24.0	303.4	304.2	309.5	307.0	303.4
G25.0	299.0	300.3	305.5	303.1	299.0
G26.0	295.0	296.0	301.9	299.3	295.0
G27.0	290.2	291.5	297.4	294.7	290.2
G28.0	285.9	287.1	293.2	290.6	285.9
G29.0	281.3	282.8	288.4	286.3	281.3
G30.0	276.5	277.7	283.9	281.5	276.5
G31.0	271.7	273.0	279.3	276.9	271.7
G32.0	266.4	268.1	274.4	272.0	266.4
G33.0	261.7	263.2	269.9	267.5	261.7
G34.0	256.6	258.4	265.1	262.8	256.6
G35.0	251.1	253.0	260.0	257.5	251.1

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table(Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0
G36.0	246.3	248.0	255.3	252.7	246.3
G37.0	241.1	242.4	249.9	248.1	241.1
G38.0	235.5	237.2	244.9	242.7	235.5
G39.0	230.4	232.1	240.0	237.5	230.4
G40.0	224.5	226.4	234.4	232.1	224.5
G41.0	219.2	220.9	229.2	227.0	219.2
G42.0	214.0	215.6	224.0	221.9	214.0
G43.0	207.9	209.8	218.5	216.0	207.9
G44.0	202.8	204.4	213.1	210.8	202.8
G45.0	197.2	198.2	207.5	205.3	197.2
G46.0	191.1	193.0	202.0	199.5	191.1
G47.0	185.8	187.4	196.7	194.2	185.8
G48.0	179.8	181.3	190.7	188.2	179.8
G49.0	174.2	176.0	185.3	182.8	174.2
G50.0	168.6	170.5	180.1	177.5	168.6
G51.0	162.6	164.7	174.0	171.6	162.6
G52.0	157.2	159.2	168.6	166.1	157.2
G53.0	151.7	153.1	162.7	160.7	151.7
G54.0	145.9	147.8	157.1	154.8	145.9
G55.0	140.2	142.3	151.9	149.3	140.2
G56.0	134.2	136.3	146.1	143.5	134.2
G57.0	128.6	130.8	140.9	138.2	128.6
G58.0	123.4	125.6	135.4	132.8	123.4
G59.0	117.4	119.7	129.7	127.2	117.4
G60.0	112.0	114.5	124.2	121.6	112.0
G61.0	106.8	108.7	118.4	115.7	106.8
G62.0	101.0	103.5	113.4	110.5	101.0
G63.0	95.9	98.1	107.8	105.4	95.9
G64.0	90.3	92.7	102.2	99.5	90.3
G65.0	85.0	87.4	97.1	94.3	85.0
G66.0	79.9	82.4	91.3	89.1	79.9
G67.0	74.4	76.8	86.3	83.6	74.4
G68.0	69.2	71.9	81.4	78.7	69.2
G69.0	64.4	66.4	75.8	73.1	64.4
G70.0	58.9	61.6	70.9	68.3	58.9
G71.0	54.1	56.7	65.9	63.4	54.1

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table(Continue 2)

Unit: cd

[illegible]

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	17805.18
L 0-180(75) av	12965.76
L 0-180(85) av	5423.94
L 90-270(65) av	17773.89
L 90-270(75) av	12975.34
L 90-270(85) av	5172.66
L 45(65) av	17789.53
L 45(75) av	12970.55
L 45(85) av	5298.30

Standard: GB/T 29293-2012