Report No.: Test Time: 2025-04-18 16:08

Luminaire Property

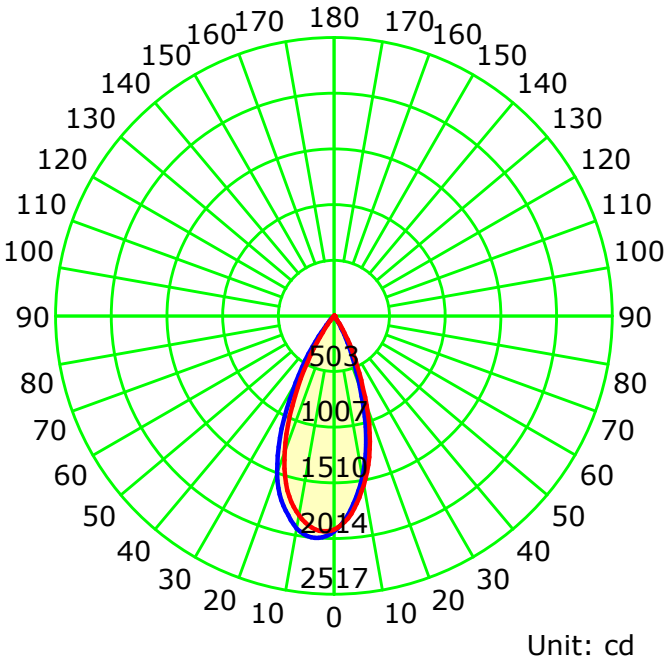
Luminaire Manufacturer:
Luminaire Category:
Luminaire Description: CFWG2475R-12W-3000K-38°
Lamp Catalog: Lamp Description:
Number of Lamps: Lumens per Lamp:
Luminous Length (mm): -70 Luminous Width (mm): -70
Luminous Height (mm): Voltage: 220.19 V
Current: 0.0980 A Power: 12.25 W
Power Factor: 0.5680

Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 1016.9 lm
Measurement Flux: 1016.9 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H43
Vertical Diffuse Angle(50%): V42.8
Luminous Efficacy (lm/w): 83.01 C0r0 Intensity: 1949.83 cd
Max. Intensity: 2014.19 cd Pos of Max. Intensity: H180 V5
S/MH(C0/C180): 0.70 S/MH(C90/C270): 0.70

Picture Of Luminaire

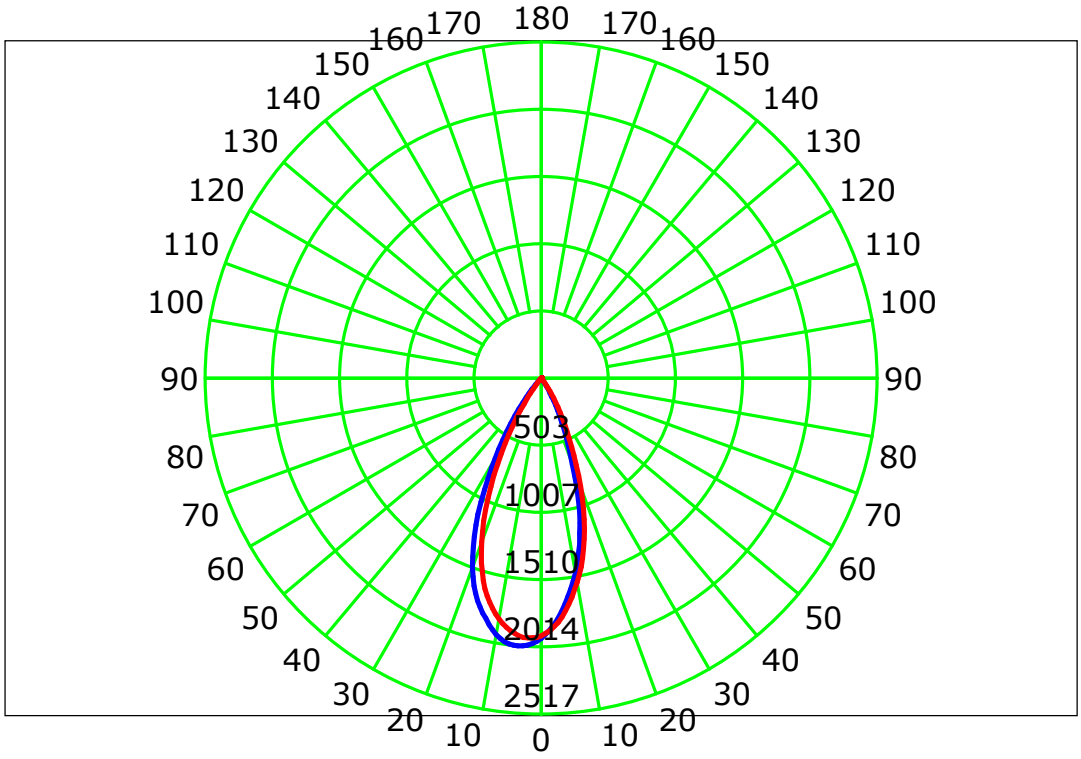
Luminous Intensity Distribution Curve

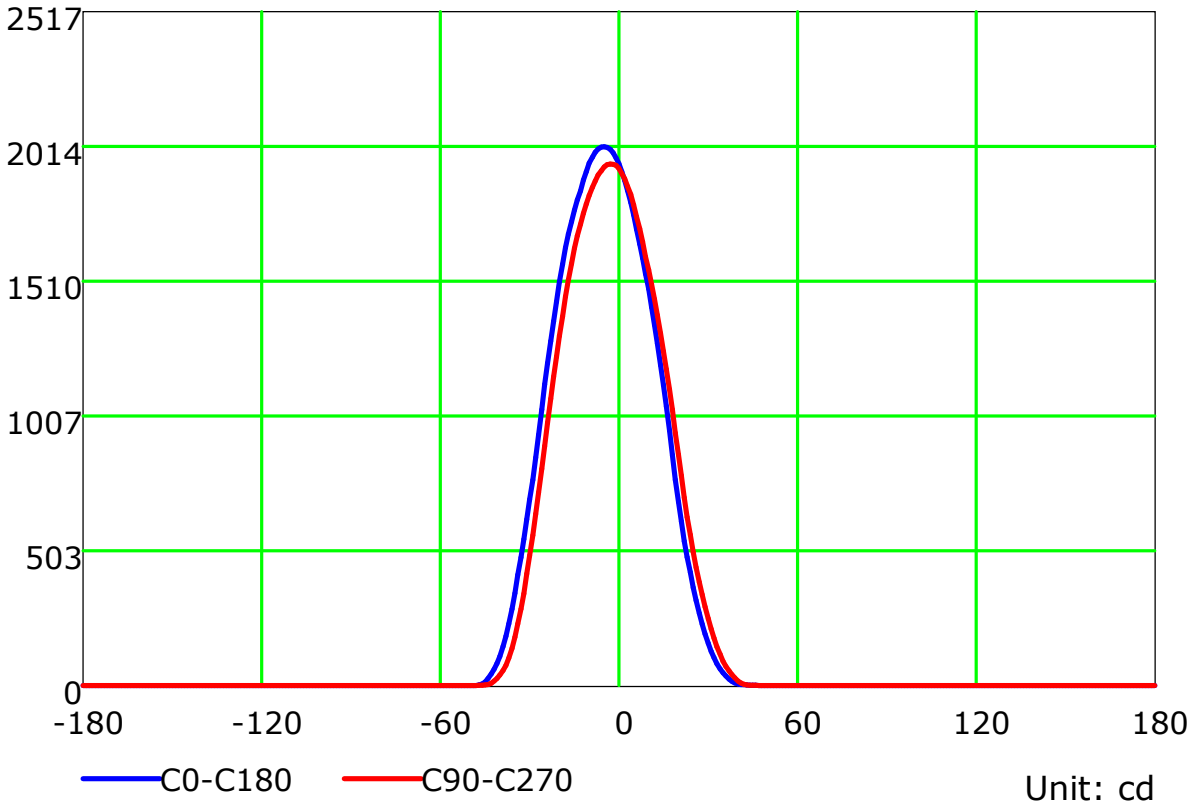


Unit: cd
Average Diffuse Angle(50%): 42.7°
C0-C180 C90-C270

C Plane (°):0.0-360.0: 90.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 9.904 m [K=1.0000]
Temperature: Humidity:
Operator: Inspector:

Luminous Intensity Distribution Curve

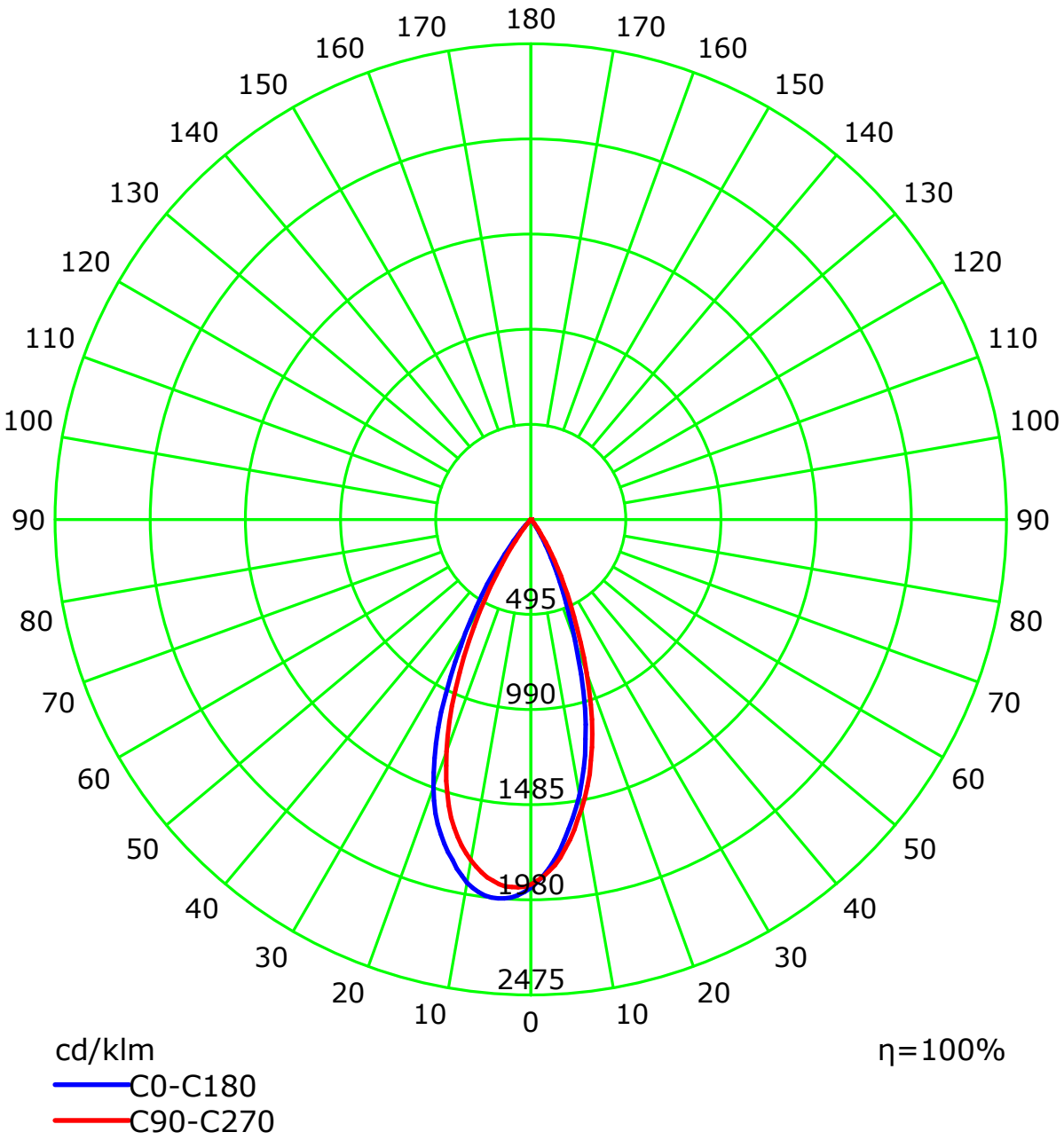




C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 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:

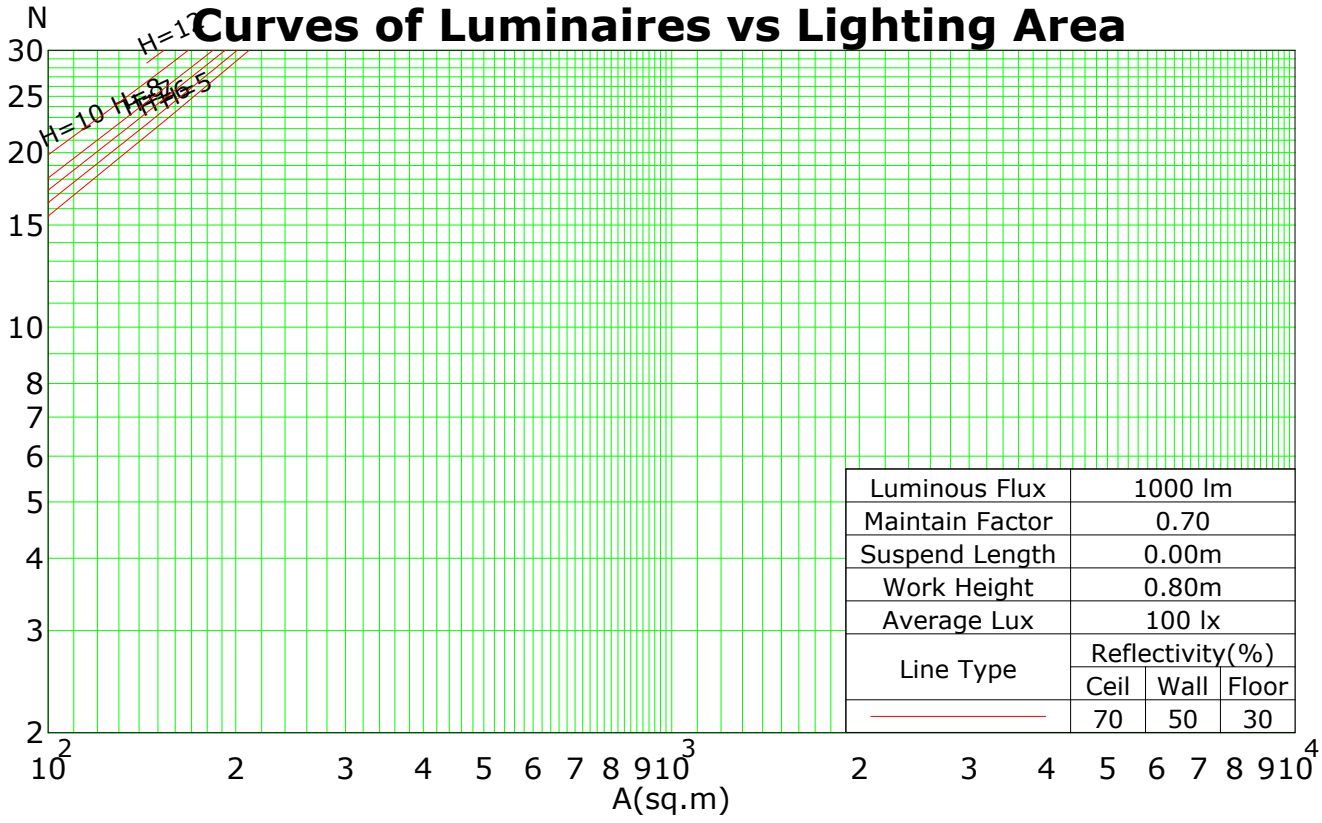
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

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	1.14	1.12	1.10	1.08	1.12	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.10	1.05	1.02	0.99	1.07	1.04	1.01	0.98	1.01	0.98	0.96	0.98	0.96	0.94	0.95	0.93	0.92	0.90
3	1.05	1.00	0.95	0.92	1.03	0.98	0.94	0.91	0.96	0.92	0.90	0.93	0.91	0.88	0.91	0.89	0.87	0.86
4	1.01	0.94	0.90	0.86	0.99	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.81
5	0.97	0.90	0.85	0.81	0.95	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.77
6	0.93	0.85	0.80	0.77	0.92	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.74
7	0.89	0.81	0.76	0.73	0.88	0.81	0.76	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.70
8	0.86	0.78	0.73	0.69	0.85	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
9	0.82	0.74	0.69	0.66	0.81	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.64
10	0.79	0.71	0.66	0.63	0.78	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.69	0.65	0.62	0.61

Spacing Criteria (0-180): 0.70
Spacing Criteria (90-270): 0.70
Spacing Criteria (Diagonal): 0.68

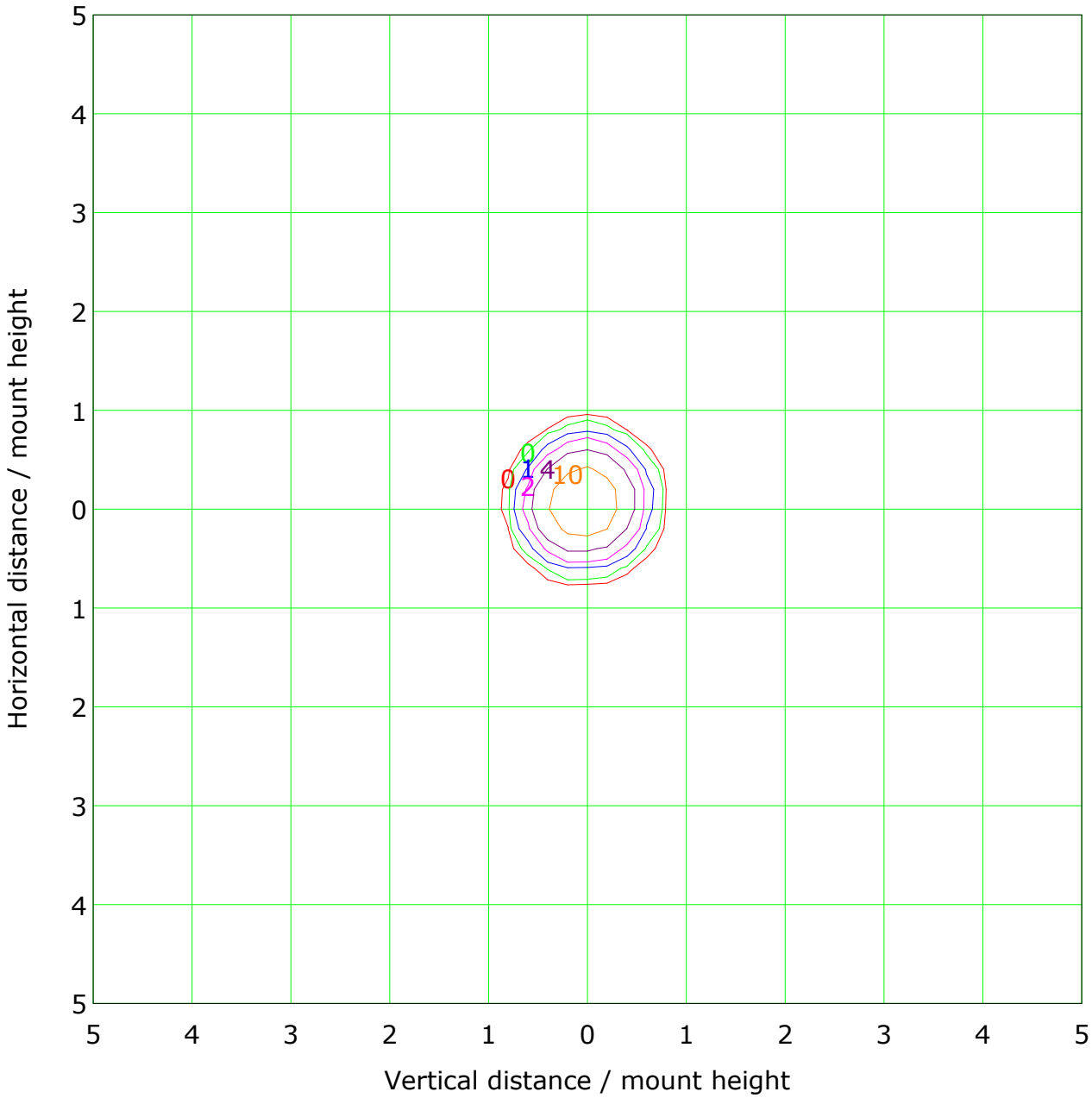
Curves of Luminaires vs Lighting Area



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

IsoLux Plot



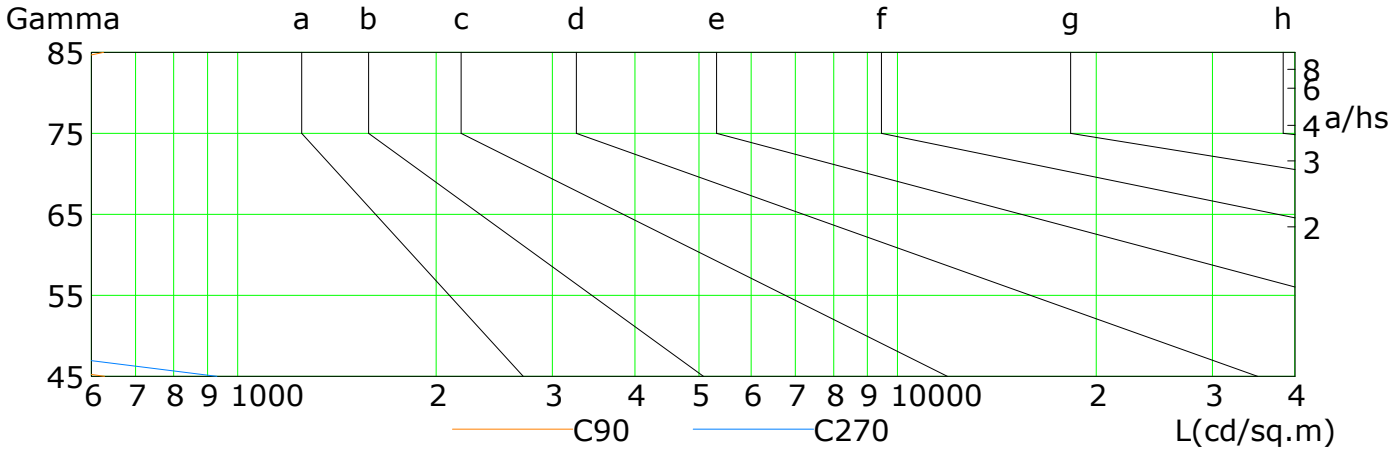
Mounting Height: 10.0m Max Lux(100%): 20.0 lx

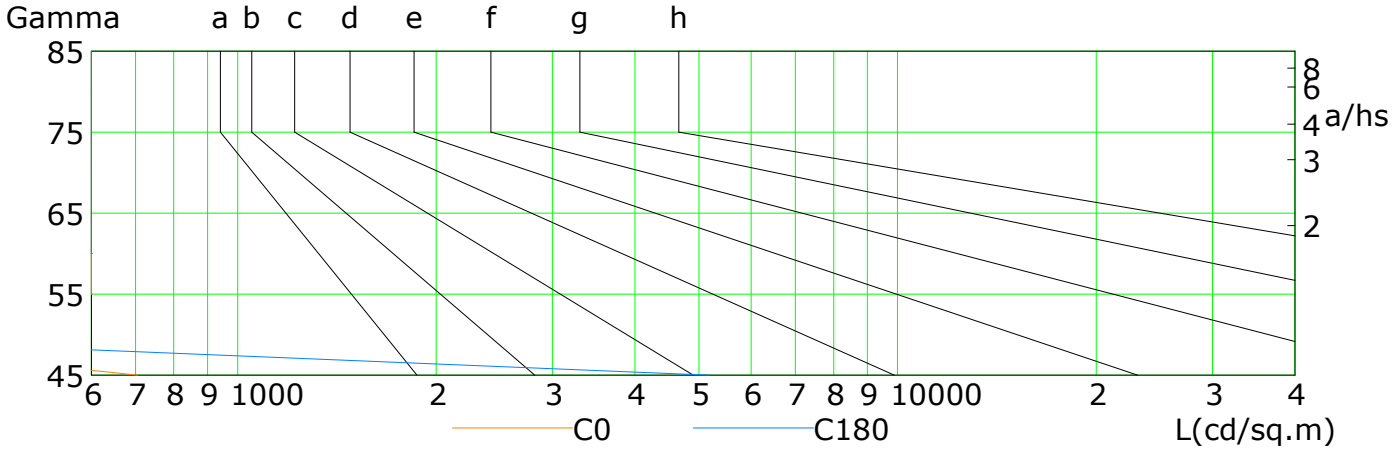
(1%): 0.2 lx
(2%): 0.4 lx
(5%): 1.0 lx
(10%): 2.0 lx
(20%): 4.0 lx
(50%): 10.0 lx
(100%): 20.0 lx

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 9.904 m [K=1.0000]
Temperature:
Humidity:
Operator:
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



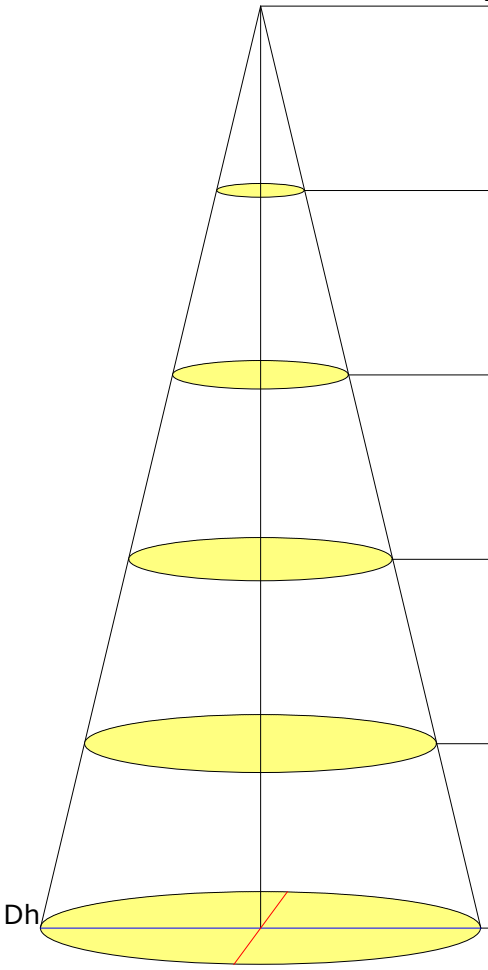


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	706	194	0	0	0	0	0	0	0
C90	628	251	122	73	86	106	141	314	626
C180	5178	166	63	0	0	0	0	0	0
C270	930	303	154	109	43	106	271	314	417

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Illuminance at a Distance



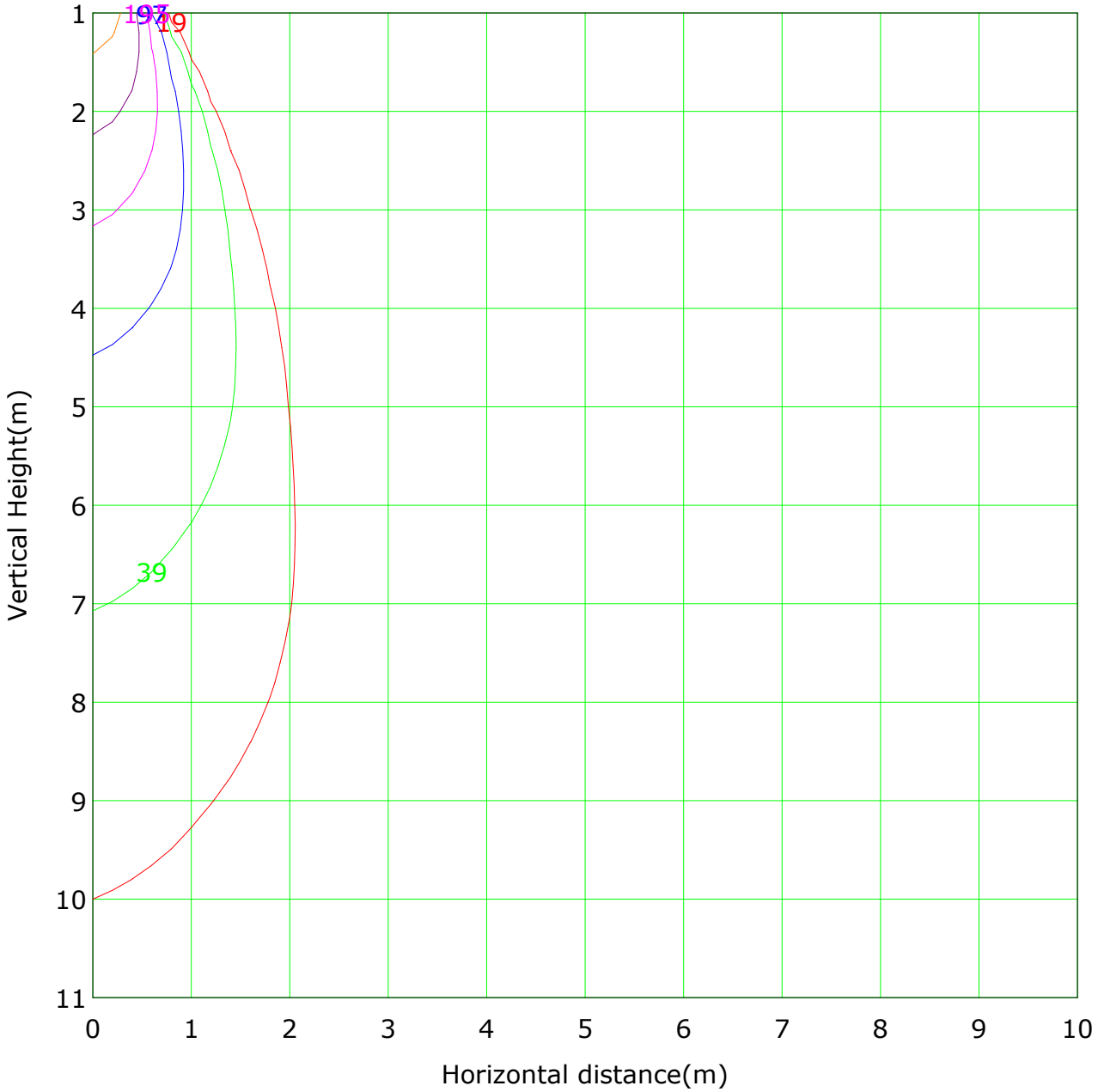
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1949.83	0.78/0.78	0.5	797.55
2.0	487.46	1.56/1.57	2.0	199.39
3.0	216.65	2.34/2.35	4.5	88.62
4.0	121.86	3.13/3.13	8.0	49.85
5.0	77.99	3.91/3.91	12.5	31.90

Beam Angle(B): H42.7 V42.7 Field Angle(F): H66.4 V66.2

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1949.8 lx

(1%): 19.5 lx
(2%): 39.0 lx
(5%): 97.5 lx
(10%): 195.0 lx
(20%): 390.0 lx
(50%): 974.9 lx
(100%):1949.8 lx

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 9.904 m [K=1.0000]
Temperature:
Humidity:
Operator:
Inspector:

Area Flux Table

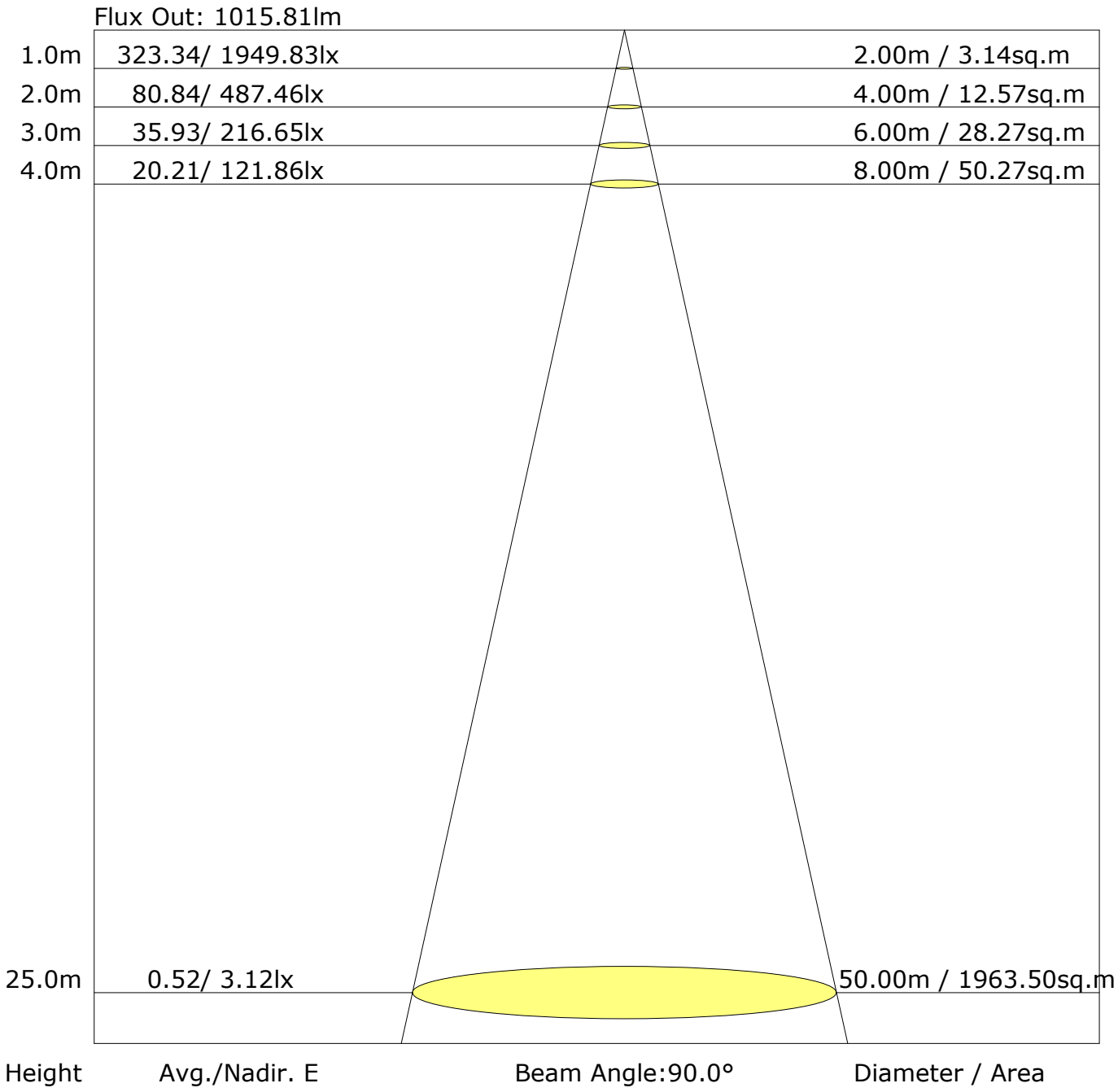
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40	20.8	29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	4.6	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30	105.8	110.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	17.4	6.9	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20	202.8	207.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	47.1	32.1	14.0	2.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10	249.7	254.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	55.1	38.7	16.9	3.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	222.1	226.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	49.5	34.4	14.1	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	131.0	136.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	20.4	8.0	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	35.6	44.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	6.7	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90																					
Flux(T)	0.0	0.0	0.0	0.0	0.0	1.7	29.1	110.9	207.4	254.1	226.9	136.2	44.3	5.7	0.2	0.0	0.0	0.0	0.0	1017	
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	20.8	105.8	202.8	249.7	222.1	131.0	35.6	0.0	0.0	0.0	0.0	0.0	0.0		968

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 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 (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

UGR Table

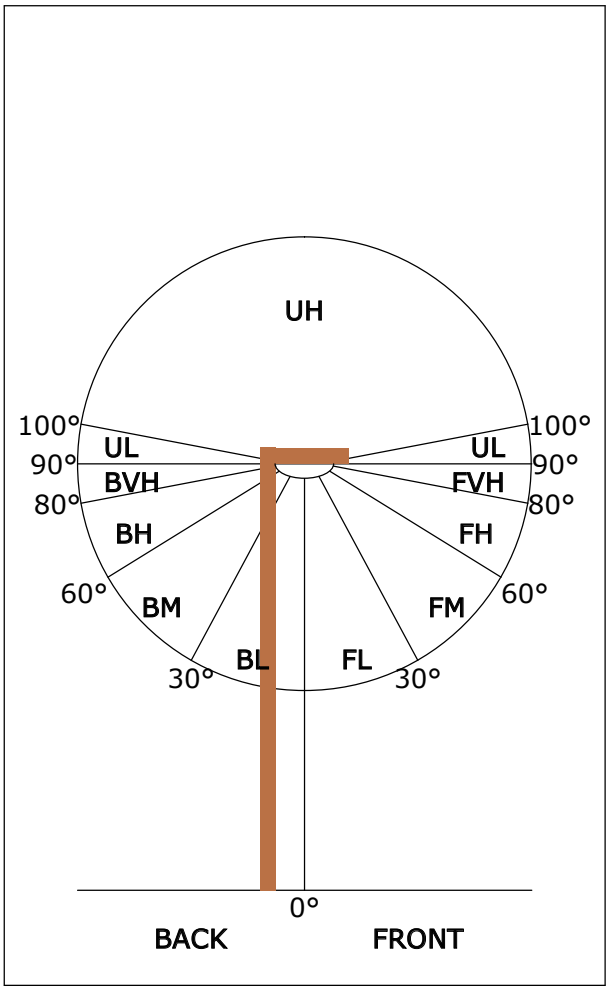
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	8.7	9.4	9.0	9.6	9.8	13.3	14.0	13.5	14.2	14.4
3H	8.6	9.2	8.9	9.5	9.7	13.1	13.8	13.4	14.0	14.2
4H	8.5	9.1	8.8	9.4	9.6	13.0	13.7	13.3	13.9	14.2
6H	8.4	9.0	8.7	9.3	9.6	13.0	13.5	13.3	13.8	14.1
8H	8.4	8.9	8.7	9.2	9.5	12.9	13.5	13.3	13.8	14.1
12H	8.3	8.9	8.7	9.2	9.5	12.9	13.4	13.2	13.7	14.0
X=4H Y=2H	8.5	9.1	8.8	9.4	9.6	13.0	13.7	13.3	13.9	14.2
3H	8.3	8.9	8.7	9.2	9.5	12.9	13.4	13.2	13.7	14.0
4H	8.3	8.7	8.6	9.1	9.4	12.8	13.3	13.2	13.6	14.0
6H	8.2	8.6	8.6	9.0	9.3	12.7	13.1	13.1	13.5	13.9
8H	8.1	8.5	8.5	8.9	9.3	12.7	13.1	13.1	13.4	13.8
12H	8.1	8.4	8.5	8.8	9.3	12.6	13.0	13.1	13.4	13.8
X=8H Y=4H	8.1	8.5	8.5	8.9	9.3	12.7	13.1	13.1	13.4	13.8
6H	8.0	8.3	8.5	8.8	9.2	12.6	12.9	13.0	13.3	13.8
8H	8.0	8.3	8.5	8.7	9.2	12.5	12.8	13.0	13.2	13.7
12H	7.9	8.2	8.4	8.6	9.1	12.5	12.7	13.0	13.2	13.7
X=12H Y=4H	8.1	8.4	8.5	8.8	9.3	12.6	13.0	13.1	13.4	13.8
6H	8.0	8.3	8.5	8.7	9.2	12.5	12.8	13.0	13.2	13.7
8H	7.9	8.2	8.4	8.6	9.1	12.5	12.7	13.0	13.2	13.7
Variations with the observer position at spacings:										
S=1.0H	+6.4/-25.2					+6.7/-25.7				
S=1.5H	+9.3/-25.7					+9.5/-26.3				
S=2.0H	+11.3/-26.2					+11.5/-28.4				

Calculate in accordance with CIE Pub.117. The table is revised with 1017lm (8log(F/F0) = 0.1).

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	413	40.7
FL (0°-30°)	379	37.3
FM (30°-60°)	34	3.4
FH (60°-80°)	0	0.0
FVH (80°-90°)	0	0.0
BACK LIGHT	603	59.3
BL (0°-30°)	517	50.9
BM (30°-60°)	86	8.5
BH (60°-80°)	0	0.0
BVH (80°-90°)	0	0.0
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(**B**acklight,**U**plight,**G**lare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U1 G0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75								
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	0.92	0.97	1.00	1.03	1.06	1.08	1.10	1.11	1.13
	0.30		0.88	0.93	0.97	1.00	1.03	1.06	1.07	1.10	1.11
	0.20		0.85	0.91	0.94	0.97	1.01	1.03	1.05	1.08	1.10
0.50	0.50	0.20	0.91	0.95	0.98	1.01	1.03	1.05	1.06	1.08	1.09
	0.30		0.87	0.92	0.95	0.98	1.01	1.03	1.04	1.06	1.07
	0.20		0.85	0.90	0.93	0.96	0.99	1.01	1.03	1.05	1.06
0.30	0.50	0.20	0.89	0.94	0.97	0.98	1.01	1.02	1.03	1.04	1.05
	0.30		0.86	0.91	0.94	0.96	0.99	1.00	1.02	1.03	1.04
	0.20		0.84	0.89	0.92	0.94	0.97	0.99	1.00	1.02	1.03
0.00	0.00	0.00	0.83	0.87	0.90	0.92	0.94	0.96	0.97	0.98	0.98

Rating:12W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75								
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	0.49	0.39	0.33	0.28	0.22	0.19	0.16	0.12	0.10
	0.30		0.41	0.34	0.29	0.25	0.20	0.17	0.15	0.12	0.10
	0.20		0.35	0.29	0.26	0.23	0.19	0.16	0.14	0.11	0.09
0.50	0.50	0.20	0.46	0.37	0.31	0.26	0.21	0.21	0.14	0.11	0.09
	0.30		0.39	0.32	0.27	0.24	0.19	0.16	0.13	0.10	0.09
	0.20		0.34	0.28	0.24	0.21	0.17	0.15	0.13	0.10	0.08
0.30	0.50	0.20	0.44	0.34	0.29	0.24	0.19	0.15	0.13	0.10	0.08
	0.30		0.38	0.30	0.26	0.22	0.17	0.14	0.12	0.10	0.08
	0.20		0.33	0.27	0.23	0.20	0.16	0.13	0.12	0.09	0.07
0.00	0.00	0.00	0.19	0.14	0.11	0.10	0.07	0.06	0.05	0.04	0.03

Rating:12W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
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	0.12	0.14	0.15	0.16	0.18	0.18	0.19	0.20	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.17	0.17	0.19	0.20
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.50	0.50	0.20	0.12	0.13	0.15	0.16	0.17	0.18	0.18	0.19	0.20
	0.30		0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.19
	0.30		0.08	0.10	0.12	0.13	0.14	0.16	0.16	0.17	0.18
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.17
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:12W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1949.8	1932.6	1949.8	1932.6	1949.8					
G1.0	1920.6	1913.7	1972.1	1943.9	1920.6					
G2.0	1888.2	1893.4	1990.9	1948.0	1888.2					
G3.0	1849.6	1864.8	2004.0	1949.1	1849.6					
G4.0	1806.0	1834.8	2011.1	1947.0	1806.0					
G5.0	1759.3	1796.1	2014.2	1937.7	1759.3					
G6.0	1704.5	1751.3	2012.0	1923.9	1704.5					
G7.0	1650.5	1707.0	2005.3	1908.3	1650.5					
G8.0	1597.3	1658.0	1993.0	1886.2	1597.3					
G9.0	1538.9	1602.3	1974.6	1861.2	1538.9					
G10.0	1482.4	1553.7	1952.6	1831.7	1482.4					
G11.0	1414.1	1499.2	1920.6	1799.6	1414.1					
G12.0	1348.0	1444.3	1889.0	1764.5	1348.0					
G13.0	1279.6	1383.9	1848.1	1724.7	1279.6					
G14.0	1198.2	1316.6	1814.5	1681.4	1198.2					
G15.0	1123.6	1248.9	1777.1	1634.1	1123.6					
G16.0	1045.2	1182.6	1733.7	1577.5	1045.2					
G17.0	953.8	1106.6	1687.3	1516.0	953.8					
G18.0	862.3	1031.2	1636.8	1454.4	862.3					
G19.0	769.9	944.7	1574.6	1379.5	769.9					
G20.0	686.9	863.2	1509.4	1307.2	686.9					
G21.0	614.7	785.1	1434.7	1229.4	614.7					
G22.0	540.3	703.0	1361.8	1154.8	540.3					
G23.0	480.3	629.9	1287.2	1072.2	480.3					
G24.0	424.6	564.5	1205.5	982.4	424.6					
G25.0	366.2	499.0	1126.0	895.8	366.2					
G26.0	318.9	442.5	1032.0	810.0	318.9					
G27.0	270.8	386.8	937.2	722.2	270.8					
G28.0	230.4	340.4	851.7	642.0	230.4					
G29.0	193.0	294.3	768.4	561.3	193.0					
G30.0	158.0	250.2	695.2	486.0	158.0					
G31.0	128.8	212.8	621.6	417.8	128.8					
G32.0	104.2	177.9	547.3	344.3	104.2					
G33.0	81.4	145.1	478.7	286.4	81.4					
G34.0	63.1	118.3	414.3	231.5	63.1					
G35.0	48.2	91.4	344.6	180.9	48.2					
G36.0	36.0	72.0	286.3	139.4	36.0					

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	25.1	55.8	230.9	102.9	25.1					
G38.0	15.9	41.4	185.1	76.2	15.9					
G39.0	9.8	28.8	146.2	56.3	9.8					
G40.0	6.3	17.4	109.0	40.4	6.3					
G41.0	4.7	9.7	82.9	27.2	4.7					
G42.0	3.7	5.3	61.9	17.2	3.7					
G43.0	2.9	3.2	43.2	9.0	2.9					
G44.0	2.4	2.0	27.5	4.7	2.4					
G45.0	1.9	1.7	14.1	2.5	1.9					
G46.0	1.4	1.4	6.4	1.7	1.4					
G47.0	1.0	1.0	2.6	1.3	1.0					
G48.0	0.8	0.8	1.1	1.0	0.8					
G49.0	0.6	0.7	0.8	0.9	0.6					
G50.0	0.5	0.6	0.4	0.8	0.5					
G51.0	0.3	0.4	0.3	0.6	0.3					
G52.0	0.1	0.3	0.2	0.5	0.1					
G53.0	0.1	0.3	0.3	0.4	0.1					
G54.0	0.0	0.3	0.1	0.3	0.0					
G55.0	0.0	0.3	0.1	0.3	0.0					
G56.0	0.0	0.3	0.1	0.3	0.0					
G57.0	0.0	0.3	0.1	0.3	0.0					
G58.0	0.0	0.2	0.0	0.3	0.0					
G59.0	0.0	0.3	0.0	0.3	0.0					
G60.0	0.0	0.1	0.0	0.2	0.0					
G61.0	0.0	0.1	0.0	0.2	0.0					
G62.0	0.0	0.1	0.0	0.2	0.0					
G63.0	0.0	0.1	0.0	0.1	0.0					
G64.0	0.0	0.1	0.0	0.2	0.0					
G65.0	0.0	0.1	0.0	0.1	0.0					
G66.0	0.0	0.2	0.0	0.1	0.0					
G67.0	0.0	0.1	0.0	0.1	0.0					
G68.0	0.0	0.1	0.0	0.1	0.0					
G69.0	0.0	0.1	0.0	0.1	0.0					
G70.0	0.0	0.1	0.0	0.1	0.0					
G71.0	0.0	0.1	0.0	0.1	0.0					
G72.0	0.0	0.1	0.0	0.1	0.0					
G73.0	0.0	0.1	0.0	0.1	0.0					

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	0.0	0.2	0.0	0.1	0.0					
G75.0	0.0	0.1	0.0	0.3	0.0					
G76.0	0.0	0.1	0.0	0.1	0.0					
G77.0	0.0	0.1	0.0	0.1	0.0					
G78.0	0.0	0.1	0.0	0.3	0.0					
G79.0	0.0	0.2	0.0	0.1	0.0					
G80.0	0.0	0.2	0.0	0.2	0.0					
G81.0	0.0	0.1	0.0	0.1	0.0					
G82.0	0.0	0.1	0.0	0.1	0.0					
G83.0	0.0	0.1	0.0	0.2	0.0					
G84.0	0.0	0.1	0.0	0.1	0.0					
G85.0	0.0	0.2	0.0	0.1	0.0					
G86.0	0.0	0.1	0.0	0.1	0.0					
G87.0	0.0	0.1	0.0	0.1	0.0					
G88.0	0.0	0.1	0.0	0.1	0.0					
G89.0	0.0	0.1	0.0	0.1	0.0					
G90.0	0.0	0.1	0.0	0.1	0.0					
G91.0	0.0	0.0	0.0	0.0	0.0					
G92.0	0.0	0.0	0.0	0.0	0.0					
G93.0	0.0	0.0	0.0	0.0	0.0					
G94.0	0.0	0.0	0.0	0.0	0.0					
G95.0	0.0	0.0	0.0	0.0	0.0					
G96.0	0.0	0.0	0.0	0.0	0.0					
G97.0	0.0	0.0	0.0	0.0	0.0					
G98.0	0.0	0.0	0.0	0.0	0.0					
G99.0	0.0	0.0	0.0	0.0	0.0					
G100.0	0.0	0.0	0.0	0.0	0.0					
G101.0	0.0	0.0	0.0	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.0	0.0	0.0	0.0	0.0					
G104.0	0.0	0.0	0.0	0.0	0.0					
G105.0	0.0	0.0	0.0	0.0	0.0					
G106.0	0.0	0.0	0.0	0.0	0.0					
G107.0	0.0	0.0	0.0	0.0	0.0					
G108.0	0.0	0.0	0.0	0.0	0.0					
G109.0	0.0	0.0	0.0	0.0	0.0					
G110.0	0.0	0.0	0.0	0.0	0.0					

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.0	0.0	0.0	0.0	0.0					
G112.0	0.0	0.0	0.0	0.0	0.0					
G113.0	0.0	0.0	0.0	0.0	0.0					
G114.0	0.0	0.0	0.0	0.0	0.0					
G115.0	0.0	0.0	0.0	0.0	0.0					
G116.0	0.0	0.0	0.0	0.0	0.0					
G117.0	0.0	0.0	0.0	0.0	0.0					
G118.0	0.0	0.0	0.0	0.0	0.0					
G119.0	0.0	0.0	0.0	0.0	0.0					
G120.0	0.0	0.0	0.0	0.0	0.0					
G121.0	0.0	0.0	0.0	0.0	0.0					
G122.0	0.0	0.0	0.0	0.0	0.0					
G123.0	0.0	0.0	0.0	0.0	0.0					
G124.0	0.0	0.0	0.0	0.0	0.0					
G125.0	0.0	0.0	0.0	0.0	0.0					
G126.0	0.0	0.0	0.0	0.0	0.0					
G127.0	0.0	0.0	0.0	0.0	0.0					
G128.0	0.0	0.0	0.0	0.0	0.0					
G129.0	0.0	0.0	0.0	0.0	0.0					
G130.0	0.0	0.0	0.0	0.0	0.0					
G131.0	0.0	0.0	0.0	0.0	0.0					
G132.0	0.0	0.0	0.0	0.0	0.0					
G133.0	0.0	0.0	0.0	0.0	0.0					
G134.0	0.0	0.0	0.0	0.0	0.0					
G135.0	0.0	0.0	0.0	0.0	0.0					
G136.0	0.0	0.0	0.0	0.0	0.0					
G137.0	0.0	0.0	0.0	0.0	0.0					
G138.0	0.0	0.0	0.0	0.0	0.0					
G139.0	0.0	0.0	0.0	0.0	0.0					
G140.0	0.0	0.0	0.0	0.0	0.0					
G141.0	0.0	0.0	0.0	0.0	0.0					
G142.0	0.0	0.0	0.0	0.0	0.0					
G143.0	0.0	0.0	0.0	0.0	0.0					
G144.0	0.0	0.0	0.0	0.0	0.0					
G145.0	0.0	0.0	0.0	0.0	0.0					
G146.0	0.0	0.0	0.0	0.0	0.0					
G147.0	0.0	0.0	0.0	0.0	0.0					

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	0.0	0.0	0.0	0.0	0.0					
G149.0	0.0	0.0	0.0	0.0	0.0					
G150.0	0.0	0.0	0.0	0.0	0.0					
G151.0	0.0	0.0	0.0	0.0	0.0					
G152.0	0.0	0.0	0.0	0.0	0.0					
G153.0	0.0	0.0	0.0	0.0	0.0					
G154.0	0.0	0.0	0.0	0.0	0.0					
G155.0	0.0	0.0	0.0	0.0	0.0					
G156.0	0.0	0.0	0.0	0.0	0.0					
G157.0	0.0	0.0	0.0	0.0	0.0					
G158.0	0.0	0.0	0.0	0.0	0.0					
G159.0	0.0	0.0	0.0	0.0	0.0					
G160.0	0.0	0.0	0.0	0.0	0.0					
G161.0	0.0	0.0	0.0	0.0	0.0					
G162.0	0.0	0.0	0.0	0.0	0.0					
G163.0	0.0	0.0	0.0	0.0	0.0					
G164.0	0.0	0.0	0.0	0.0	0.0					
G165.0	0.0	0.0	0.0	0.0	0.0					
G166.0	0.0	0.0	0.0	0.0	0.0					
G167.0	0.0	0.0	0.0	0.0	0.0					
G168.0	0.0	0.0	0.0	0.0	0.0					
G169.0	0.0	0.0	0.0	0.0	0.0					
G170.0	0.0	0.0	0.0	0.0	0.0					
G171.0	0.0	0.0	0.0	0.0	0.0					
G172.0	0.0	0.0	0.0	0.0	0.0					
G173.0	0.0	0.0	0.0	0.0	0.0					
G174.0	0.0	0.0	0.0	0.0	0.0					
G175.0	0.0	0.0	0.0	0.0	0.0					
G176.0	0.0	0.0	0.0	0.0	0.0					
G177.0	0.0	0.0	0.0	0.0	0.0					
G178.0	0.0	0.0	0.0	0.0	0.0					
G179.0	0.0	0.0	0.0	0.0	0.0					
G180.0	0.0	0.0	0.0	0.0	0.0					

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.904 m [K=1.0000]
Humidity:
Inspector: