

Report No.:

Test Time: 2016-11-25 15:21

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FD45W27V50KBDB77

Voltage: 120.2 V

Power: 44.60 W

Current: 0.375 A

Power Factor: 0.987

Volt Amps: 44.60 VA

Photometric Results

CIE Class: Direct

Measurement Flux: 5526.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%,75%,100%): H146,H82.9,H63.5,H0

Vertical Diffuse Angle(10%,50%,75%,100%): V153.3,V110.1,V76.9,V4

Luminaire Efficacy Rating (LER): 123.96

Max. Intensity: 2430.6 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 5526.4 lm

Efficiency: 100%

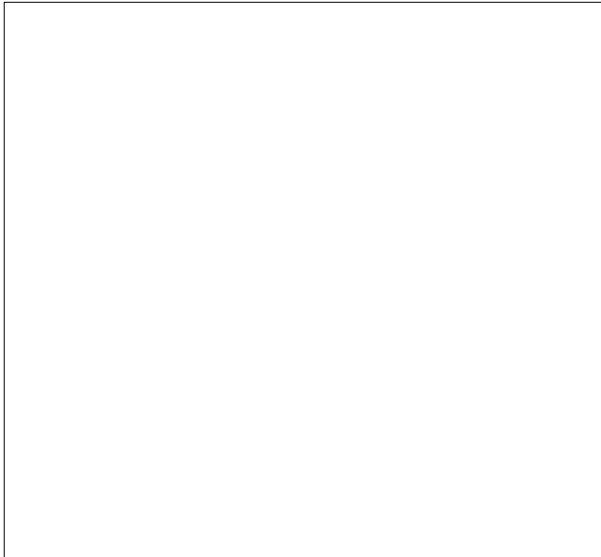
Upward Ratio: 0%

Central Intensity: 2430.59 cd

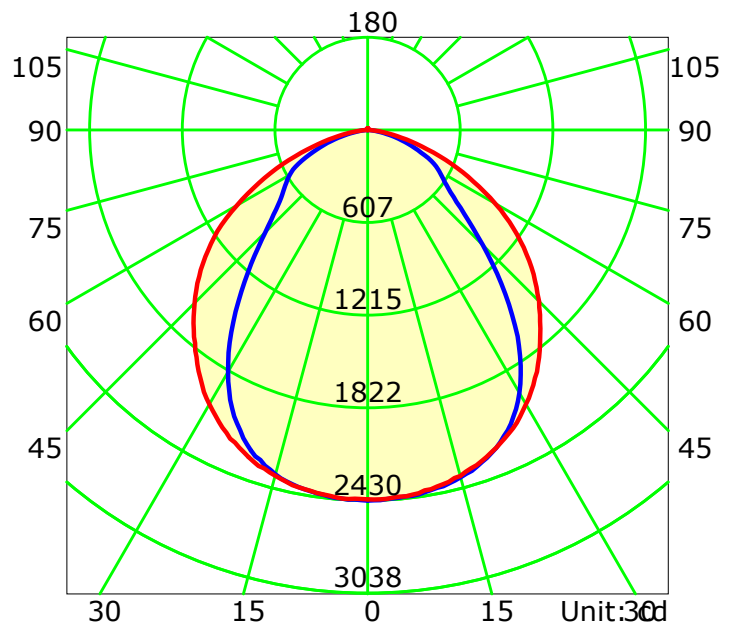
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 96.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

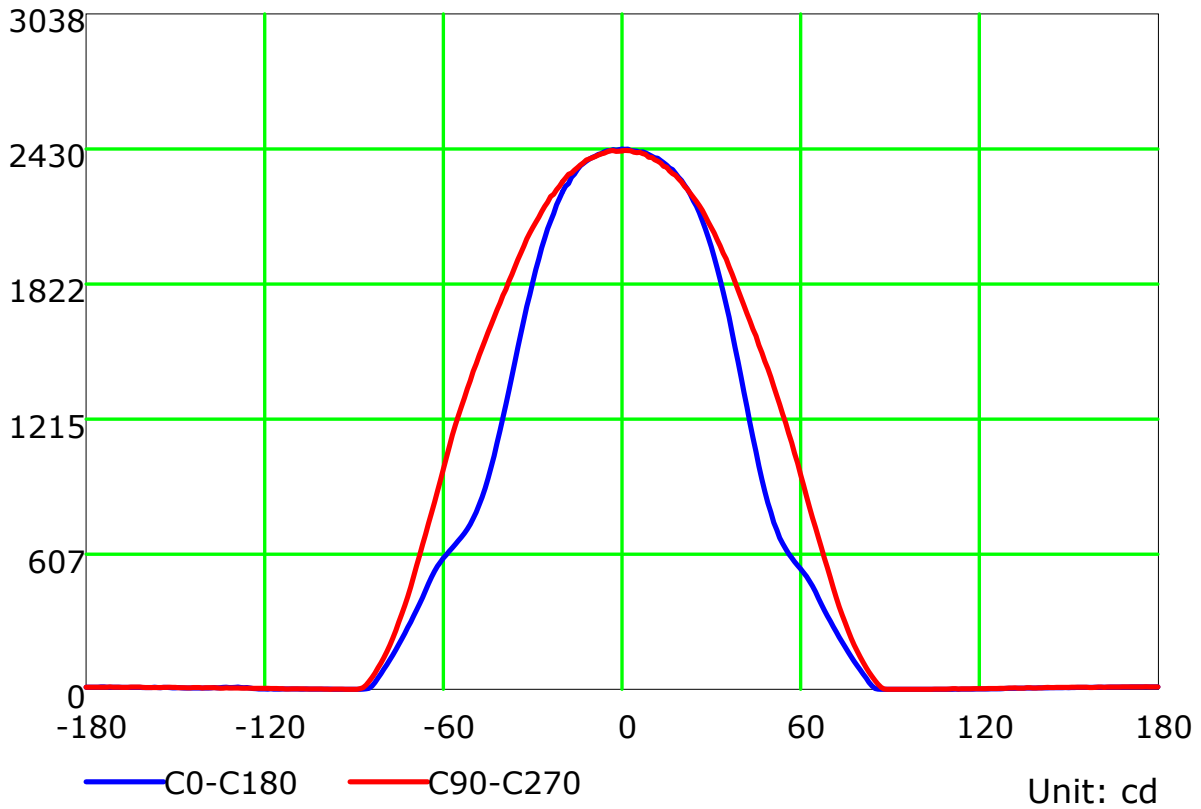
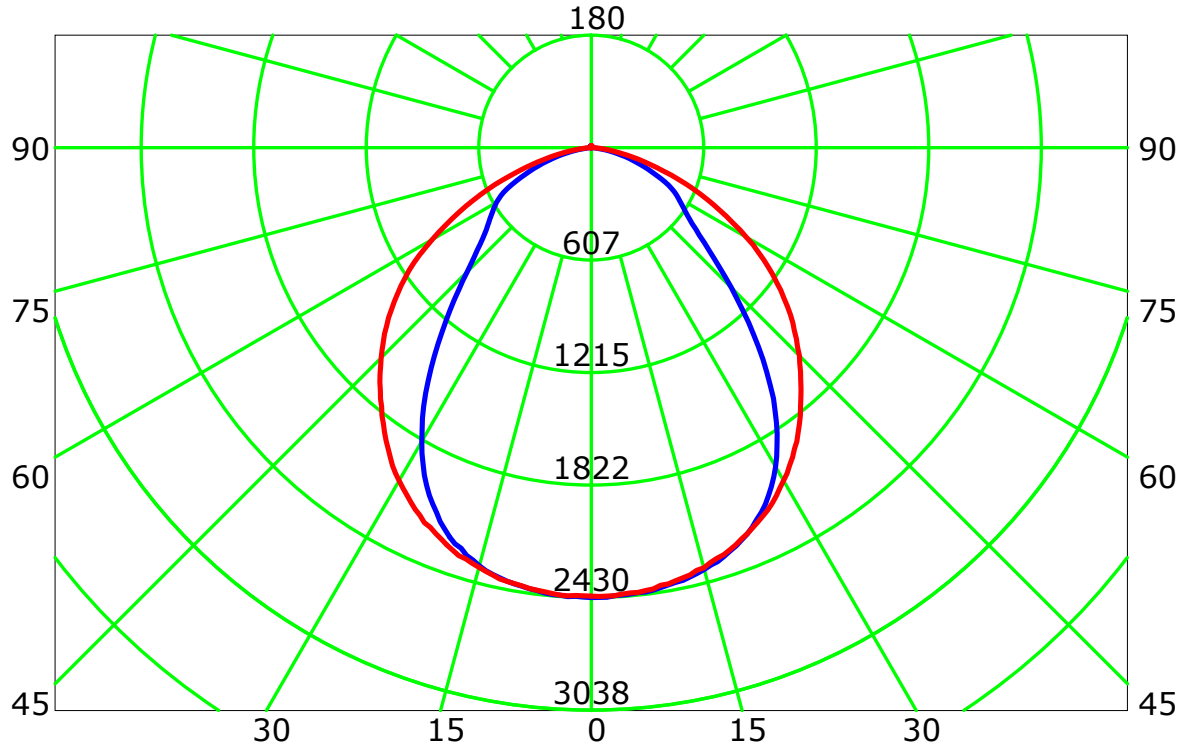
Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

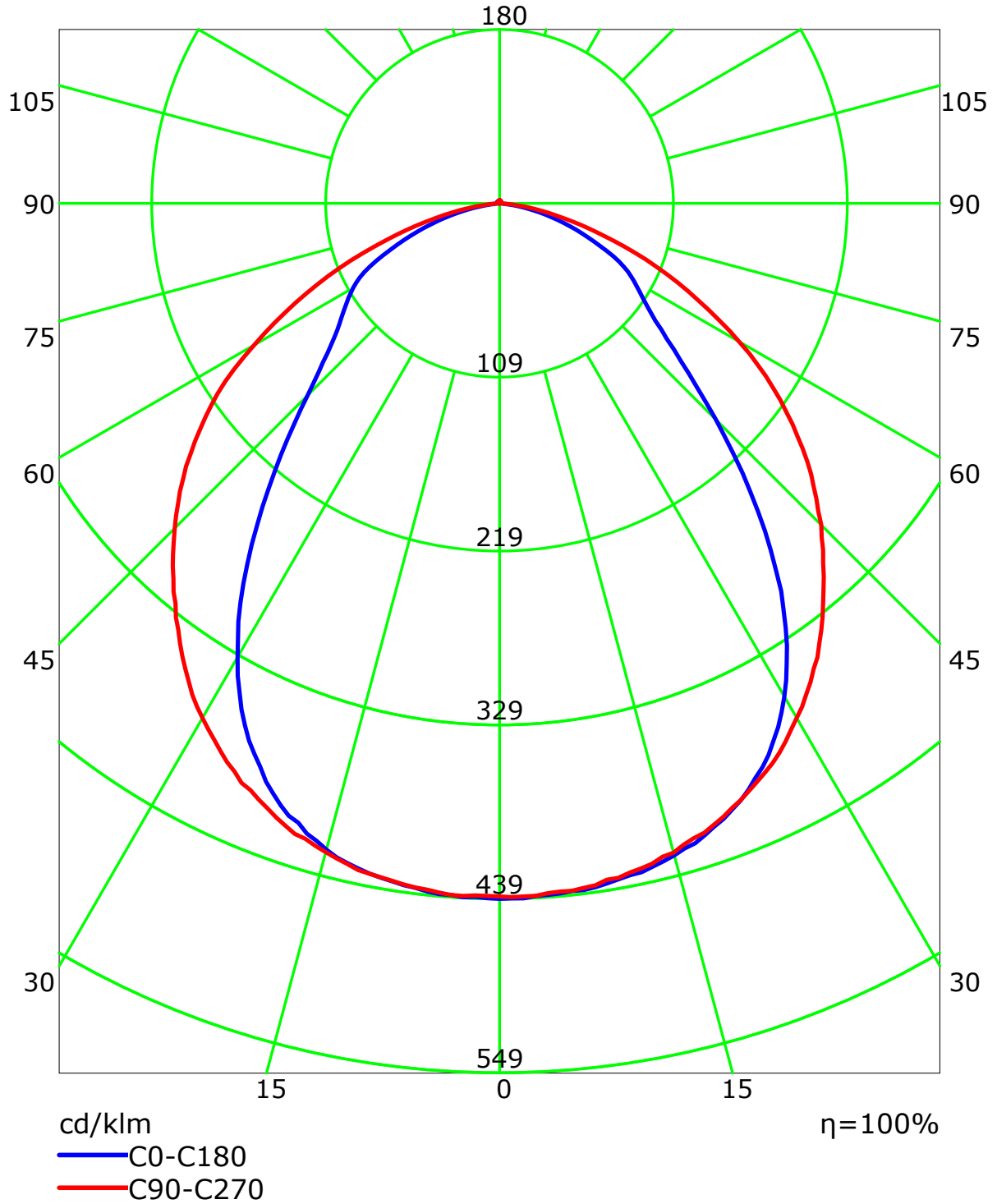
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



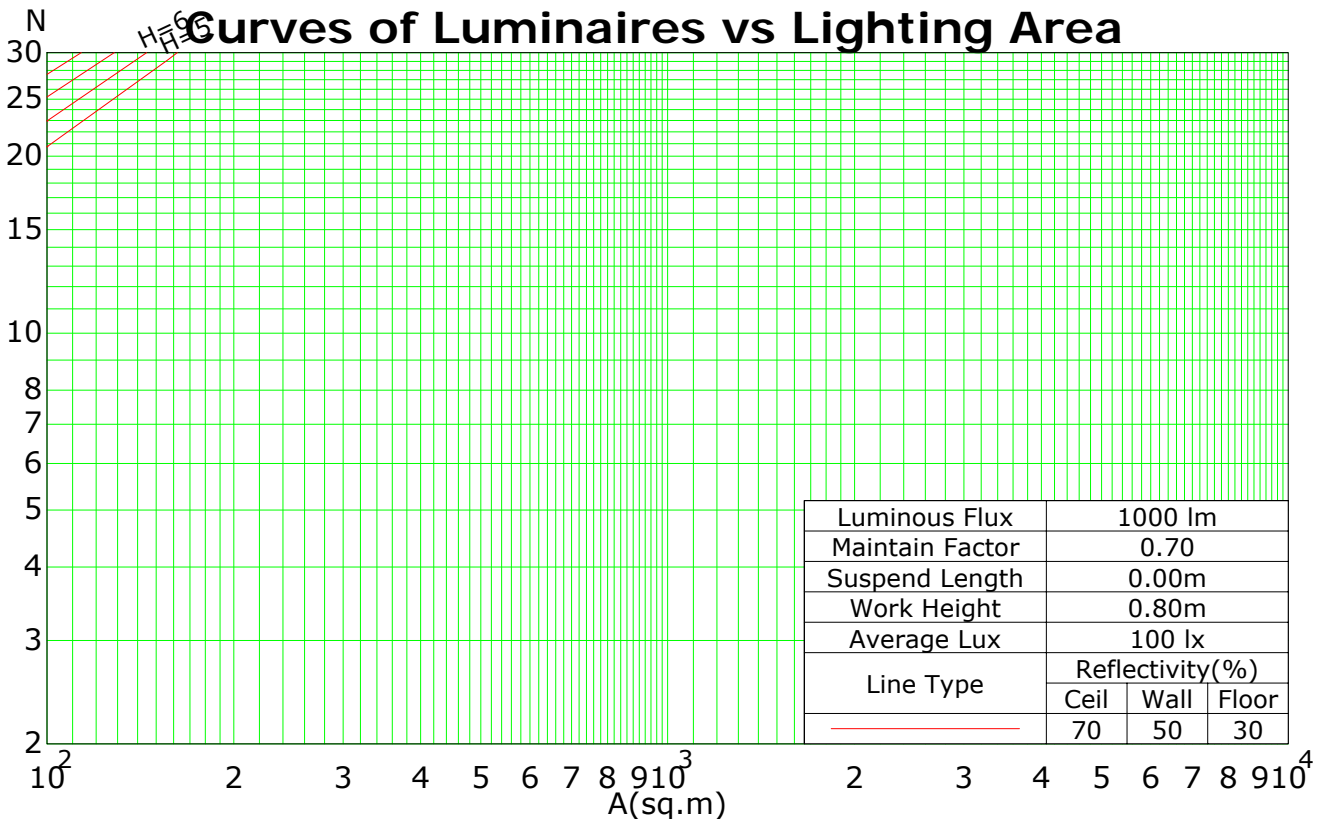
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	81	78	82	79	76	74
3	93	84	76	71	91	82	75	70	79	73	69	76	72	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
5	79	68	59	53	77	66	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

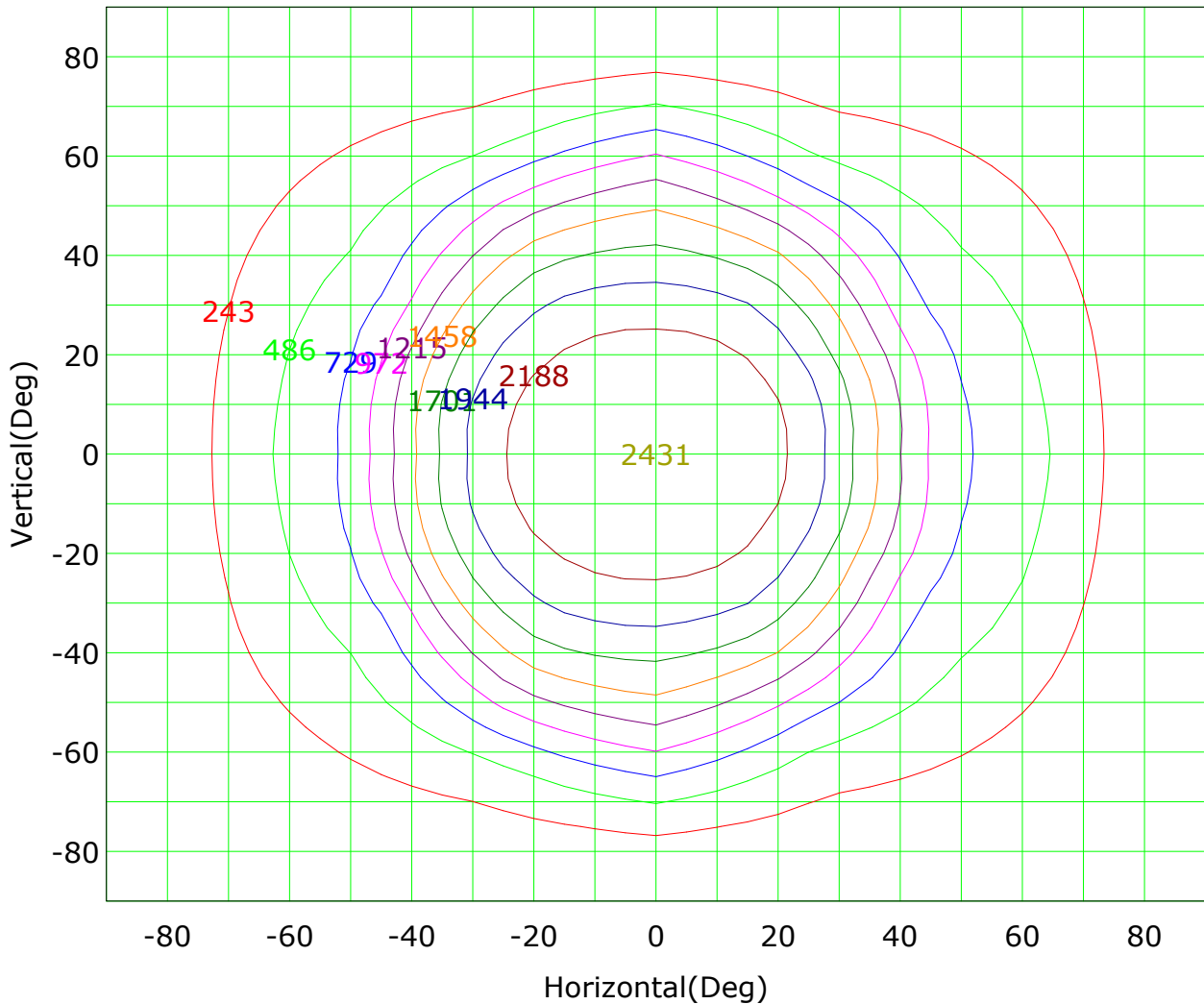
Spacing Criteria (0-180): 1.17
 Spacing Criteria (90-270): 1.27
 Spacing Criteria (Diagonal): 1.27



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Isocandela (rectangle)



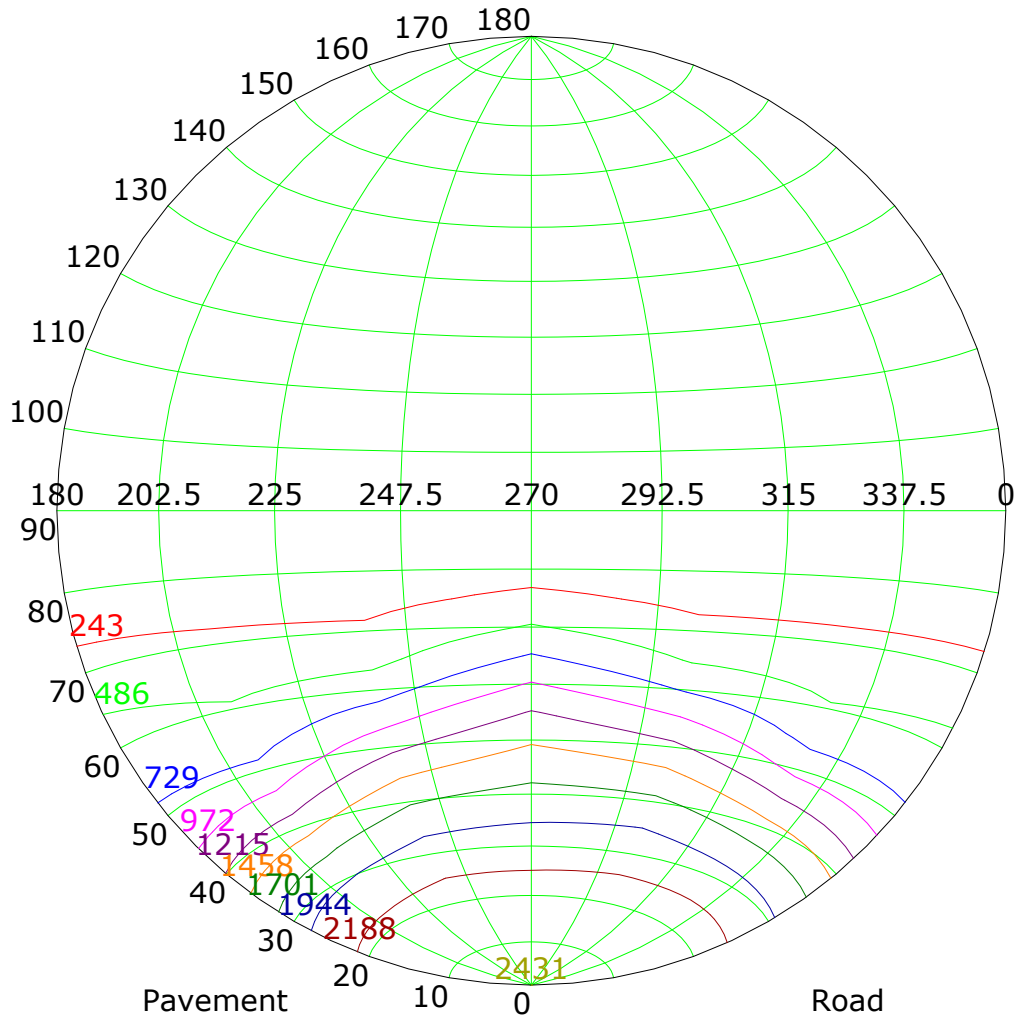
I_{max} (100%): 2431 cd

- | | |
|-------------------|-------------------|
| — (10%): 243 cd | — (20%): 486 cd |
| — (30%): 729 cd | — (40%): 972 cd |
| — (50%): 1215 cd | — (60%): 1458 cd |
| — (70%): 1701 cd | — (80%): 1944 cd |
| — (90%): 2188 cd | — (100%): 2431 cd |

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Isocandela (sphere)



Imax (100%): 2431 cd

- | | |
|-------------------|-------------------|
| — (10%): 243 cd | — (20%): 486 cd |
| — (30%): 729 cd | — (40%): 972 cd |
| — (50%): 1215 cd | — (60%): 1458 cd |
| — (70%): 1701 cd | — (80%): 1944 cd |
| — (90%): 2188 cd | — (100%): 2431 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

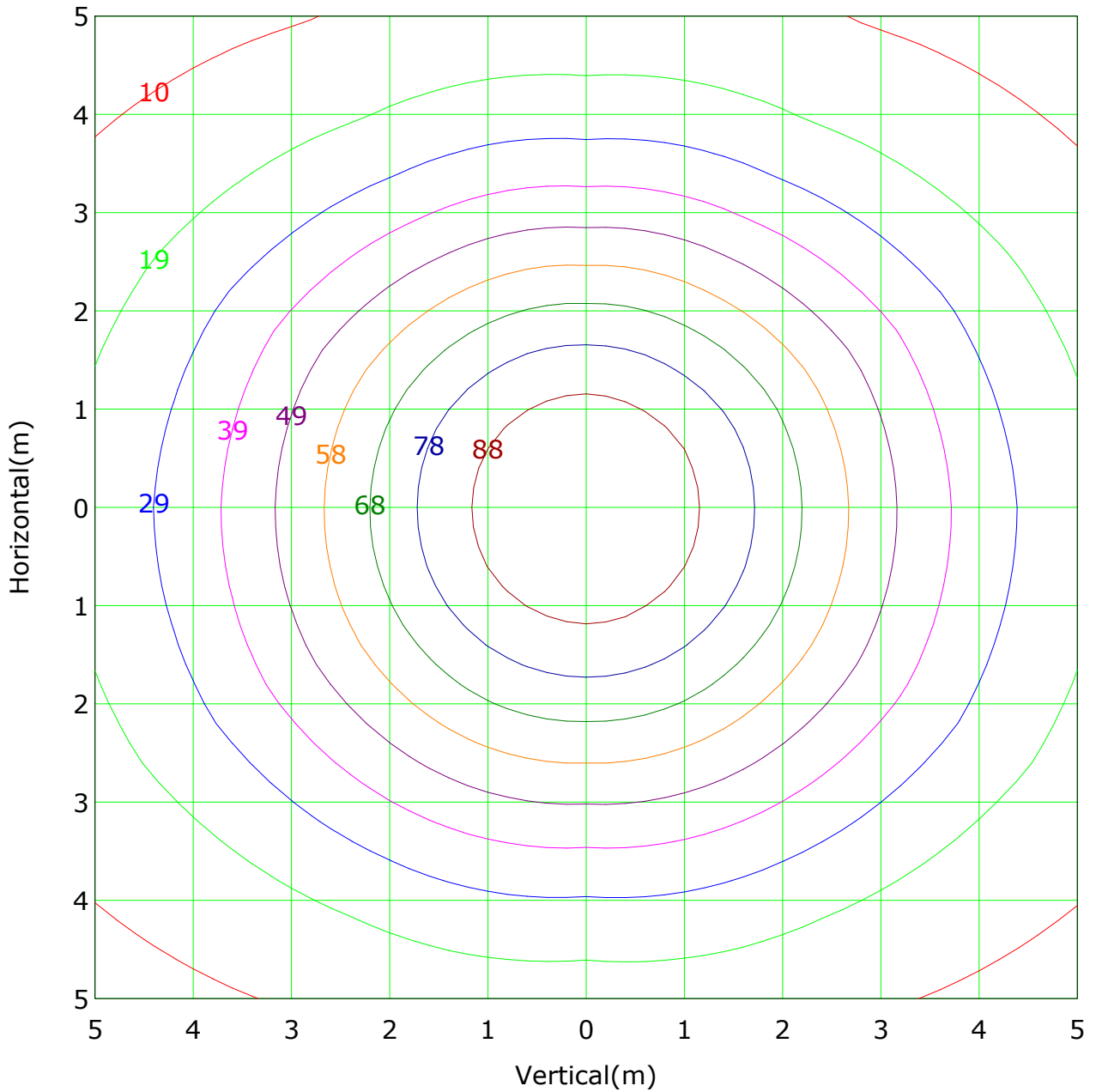
Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

IsoLux Plot



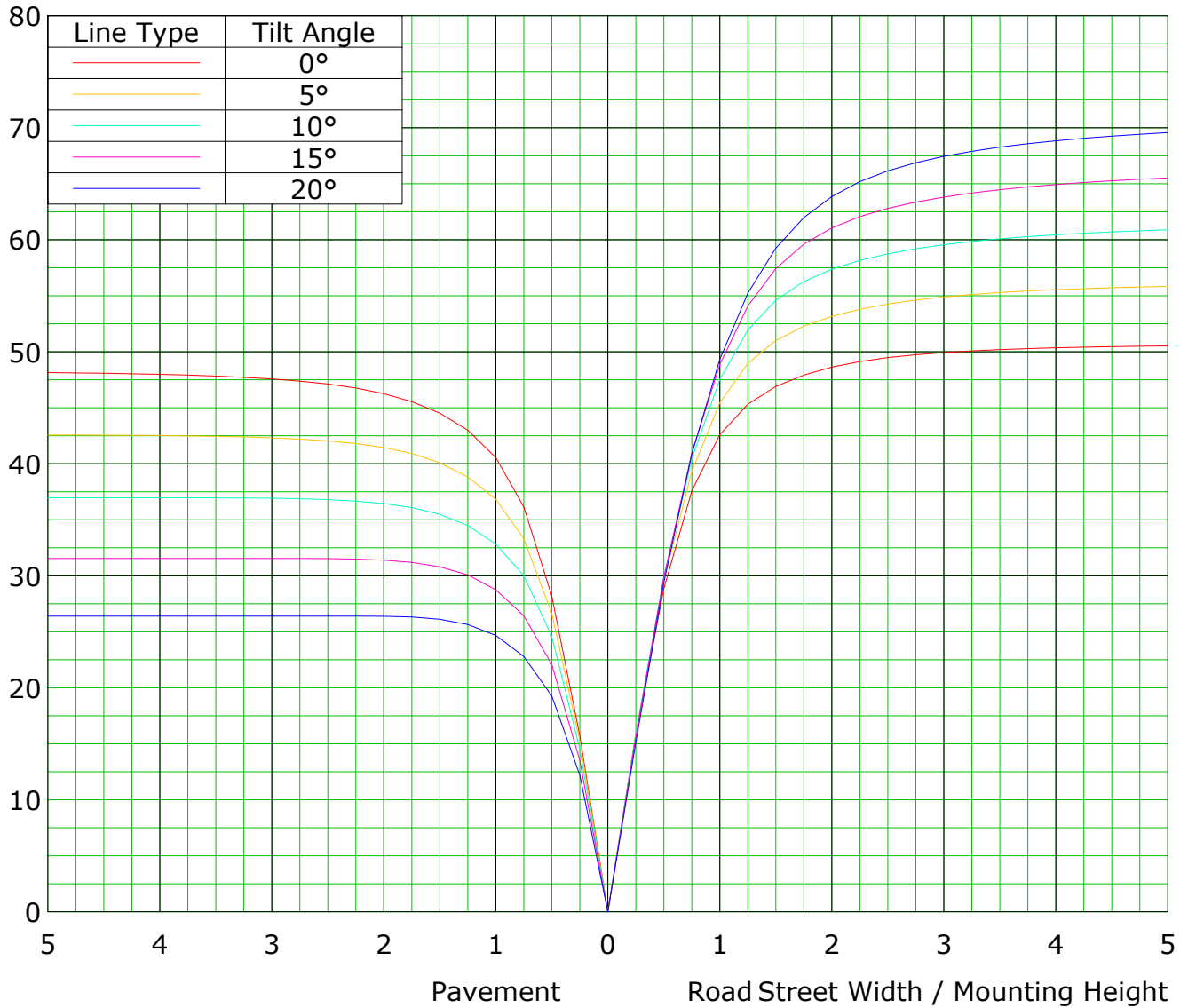
Mounting Height: 5.0m		Max Lux(100%): 97.2 lx
— (10%): 9.7 lx	— (20%): 19.4 lx	
— (30%): 29.2 lx	— (40%): 38.9 lx	
— (50%): 48.6 lx	— (60%): 58.3 lx	
— (70%): 68.1 lx	— (80%): 77.8 lx	
— (90%): 87.5 lx	— (100%): 97.2 lx	

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



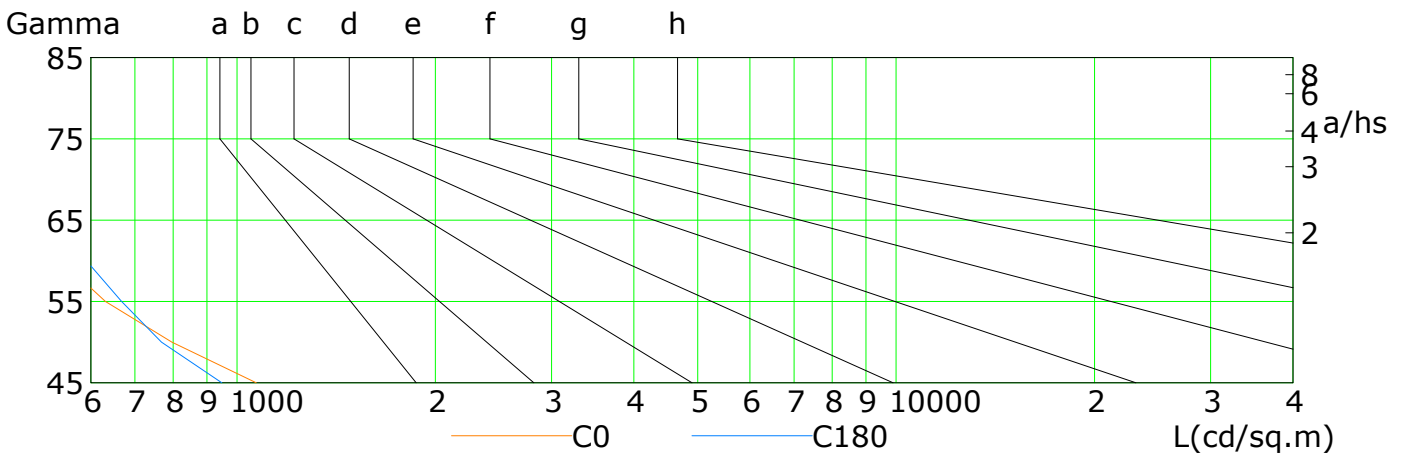
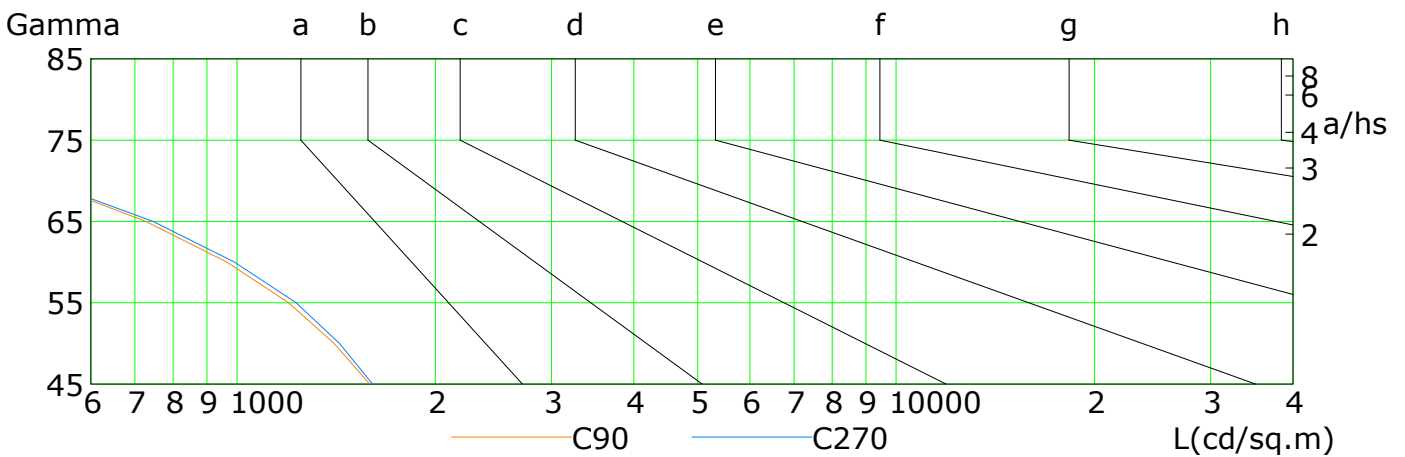
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Lum Limit Curve

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1070	796	632	542	439	306	190	88	4
C90	1590	1404	1197	965	727	501	299	146	39
C180	948	768	668	591	476	330	202	91	5
C270	1606	1430	1229	991	746	507	302	142	35

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

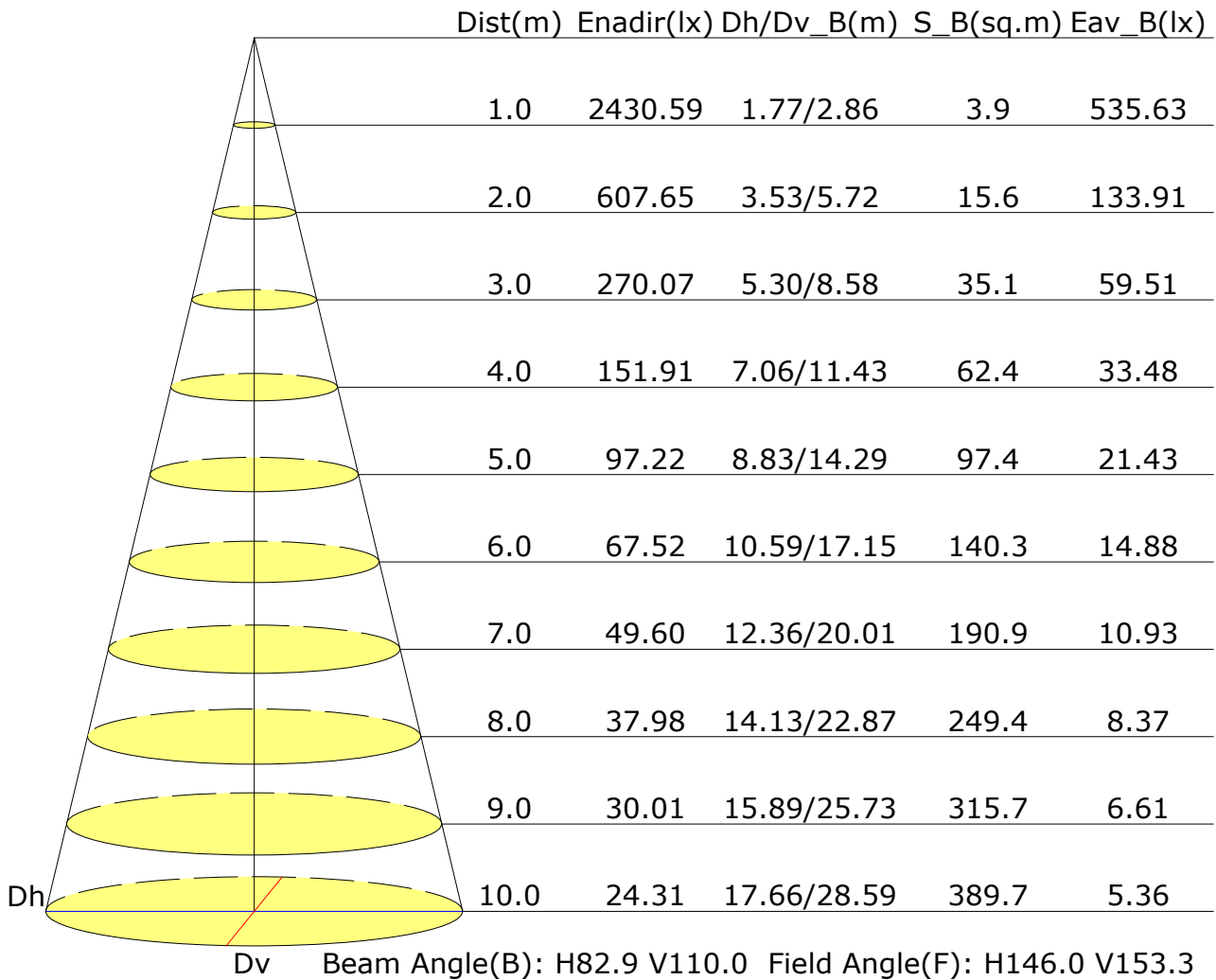
Test Device: GPM-1600

Distance: 8.567 m

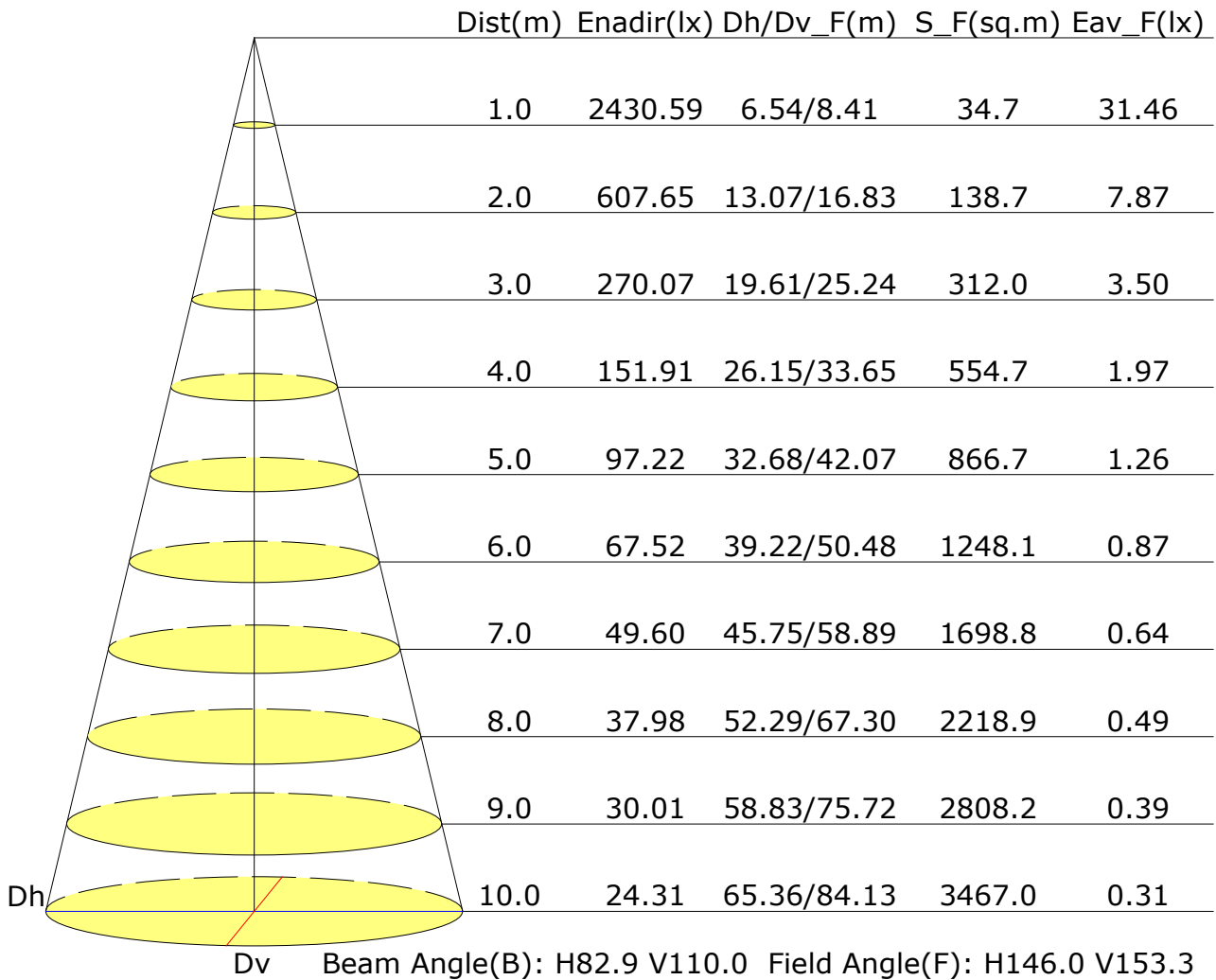
Humidity:

Inspector:

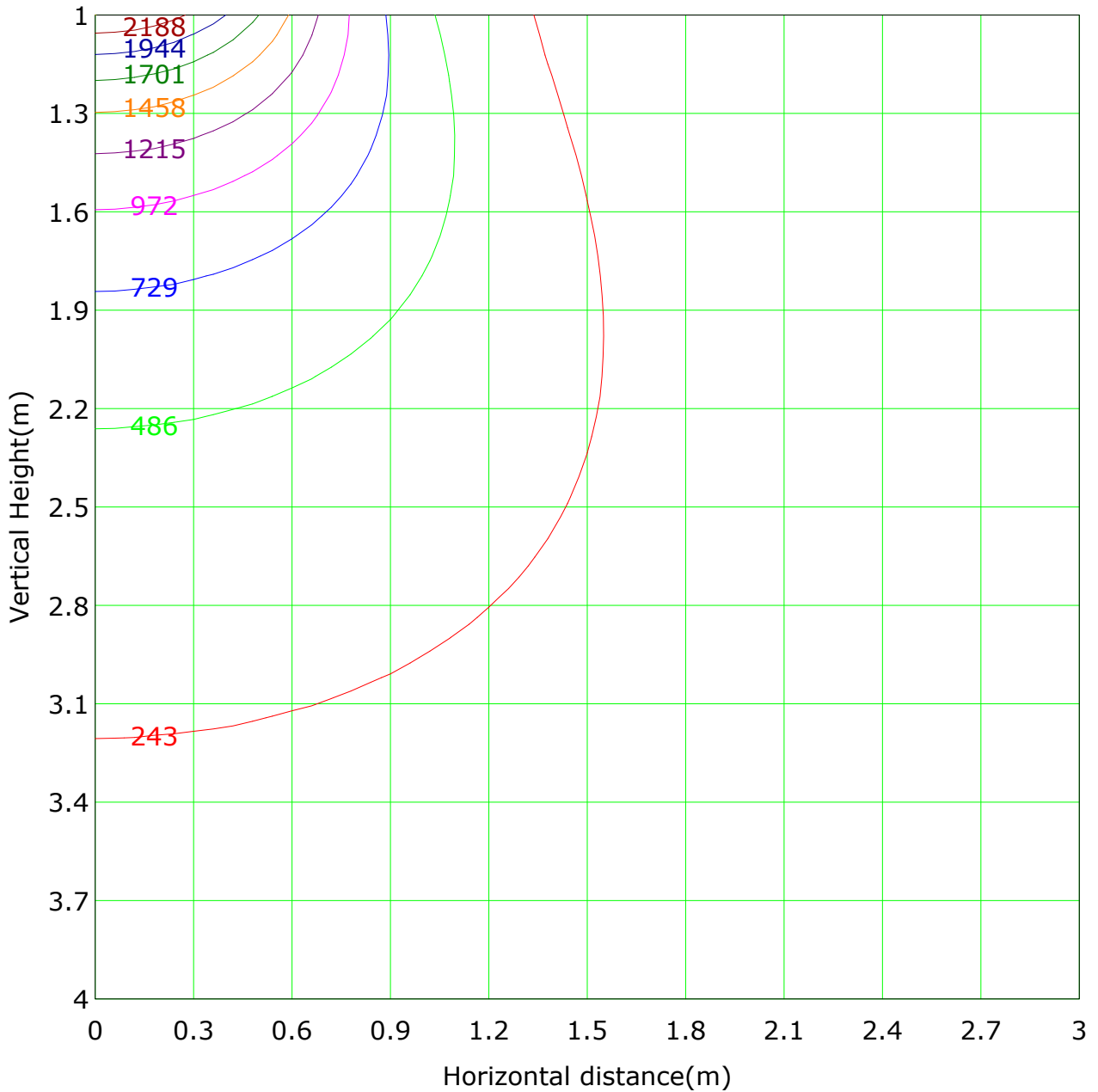
Illuminance at a Distance(Beam Angle)



Illuminance at a Distance(Field Angle)



Vertical IsoLux Plot

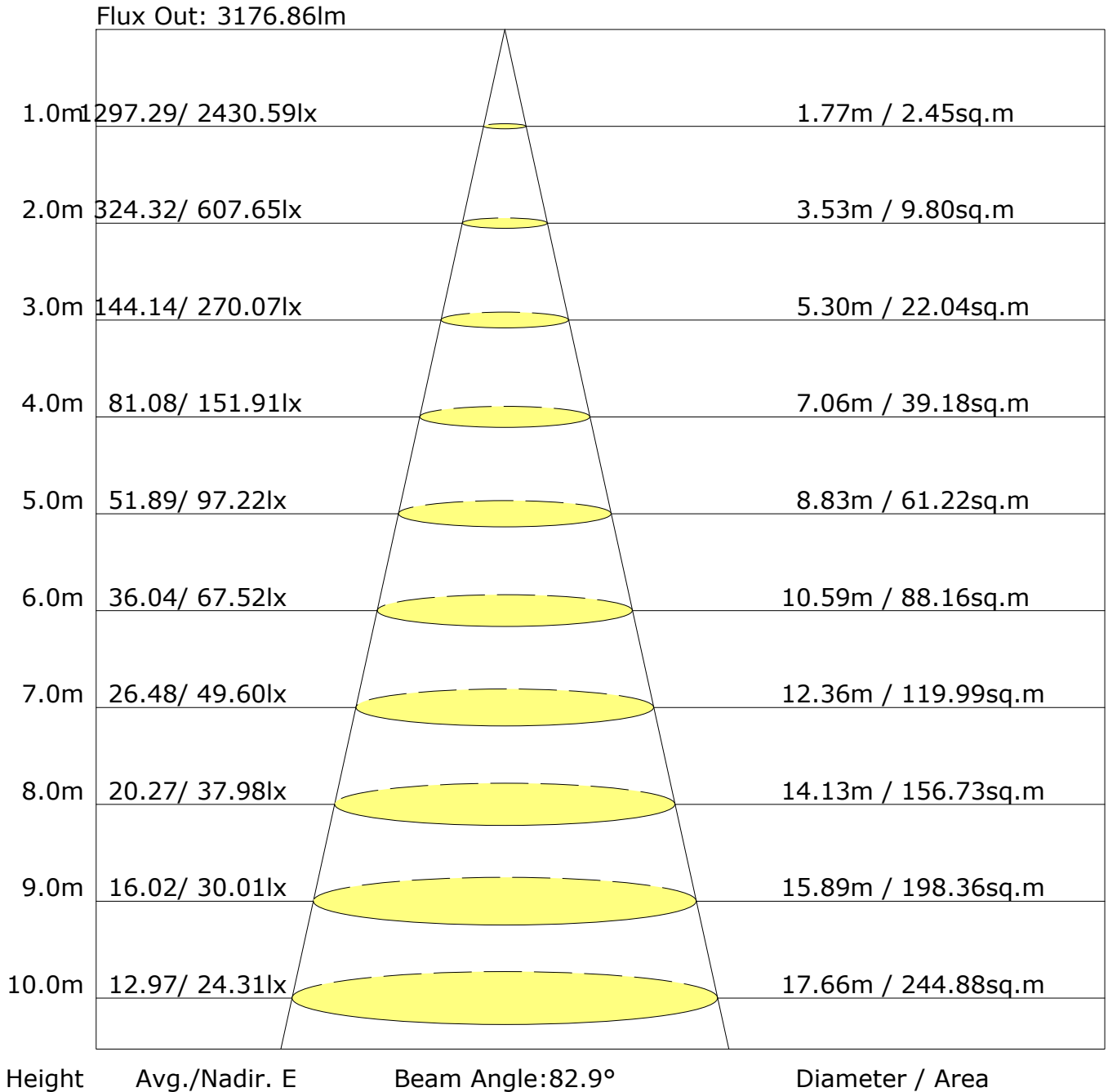


Lowest(m): 1.0m Highest(m): 4.0m Max Lux: 2430.6 lx	
— (10%): 243.1 lx	— (20%): 486.1 lx
— (30%): 729.2 lx	— (40%): 972.2 lx
— (50%): 1215.3 lx	— (60%): 1458.4 lx
— (70%): 1701.4 lx	— (80%): 1944.5 lx
— (90%): 2187.5 lx	— (100%): 2430.6 lx

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

UGR Table

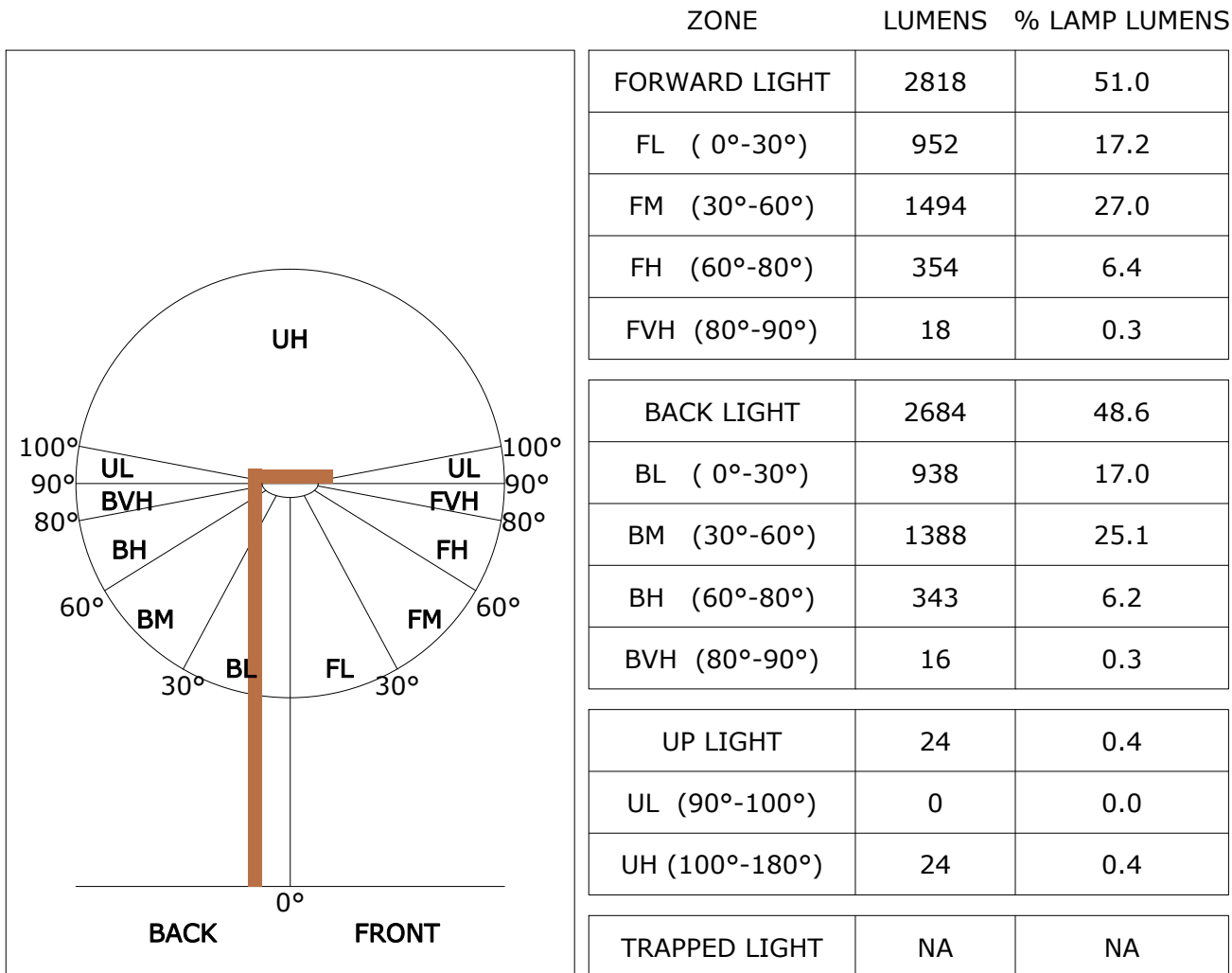
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 5526lm ($8\log(F/F_0) = 5.9$).

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

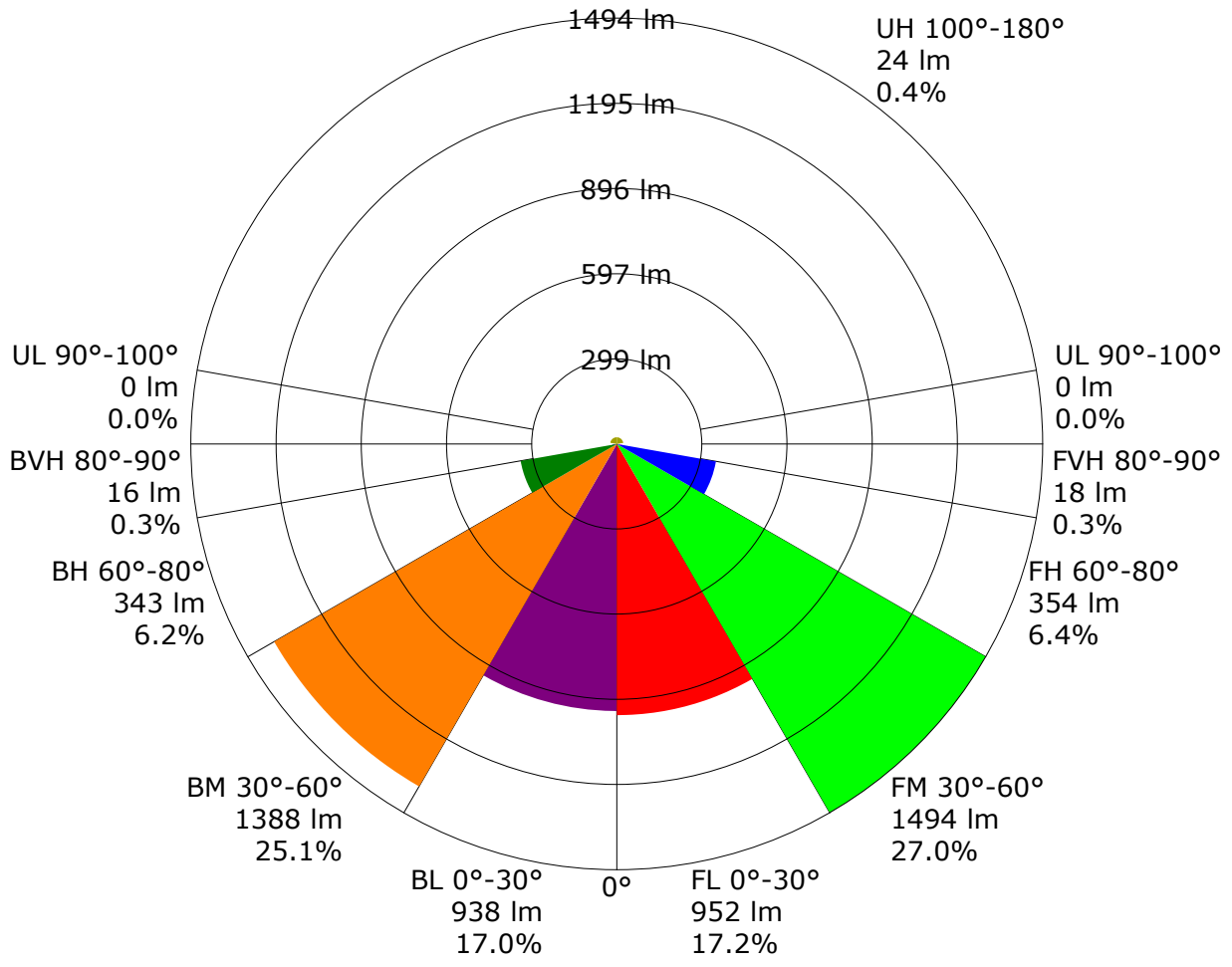


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= 1494 lm

Trapped Light:NA,NA

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	0.64	0.74	0.80	0.85	0.92	0.96	0.99	1.03	1.06	
	0.30		0.57	0.67	0.74	0.79	0.87	0.91	0.95	1.00	1.03	
	0.20		0.51	0.62	0.69	0.74	0.82	0.88	0.91	0.97	1.00	
0.50	0.50	0.20	0.62	0.72	0.78	0.83	0.89	0.93	0.96	0.99	1.01	
	0.30		0.56	0.66	0.72	0.77	0.84	0.89	0.92	0.96	0.99	
	0.20		0.51	0.61	0.68	0.73	0.80	0.85	0.89	0.94	0.97	
0.30	0.50	0.20	0.61	0.70	0.76	0.80	0.86	0.90	0.92	0.96	0.98	
	0.30		0.55	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.96	
	0.20		0.51	0.60	0.67	0.72	0.79	0.84	0.87	0.91	0.94	
0.00	0.00	0.00	0.49	0.58	0.64	0.69	0.76	0.80	0.83	0.87	0.89	
<p>Rating:45W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

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	0.89	0.72	0.61	0.53	0.41	0.34	0.29	0.22	0.18	
	0.30		0.74	0.62	0.53	0.47	0.38	0.31	0.27	0.21	0.17	
	0.20		0.64	0.54	0.47	0.42	0.34	0.29	0.25	0.20	0.16	
0.50	0.50	0.20	0.86	0.69	0.58	0.50	0.39	0.36	0.27	0.21	0.17	
	0.30		0.72	0.60	0.51	0.45	0.36	0.30	0.26	0.20	0.16	
	0.20		0.63	0.53	0.46	0.41	0.33	0.28	0.24	0.19	0.16	
0.30	0.50	0.20	0.83	0.66	0.56	0.48	0.37	0.31	0.26	0.20	0.16	
	0.30		0.71	0.58	0.50	0.43	0.35	0.29	0.24	0.19	0.15	
	0.20		0.62	0.52	0.45	0.40	0.32	0.27	0.23	0.18	0.15	
0.00	0.00	0.00	0.51	0.42	0.35	0.31	0.24	0.20	0.17	0.13	0.11	
<p>Rating:45W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

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		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.21
	0.30		0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.16	0.18	0.18
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<p>Rating:45W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2425.1	2.3	2.3	0.04	0.04
1.0-2.0	2423.9	7.0	9.3	0.13	0.17
2.0-3.0	2422.6	11.6	20.9	0.21	0.38
3.0-4.0	2421.1	16.2	37.1	0.29	0.67
4.0-5.0	2418.4	20.8	57.9	0.38	1.05
5.0-6.0	2415.8	25.4	83.3	0.46	1.51
6.0-7.0	2411.9	29.9	113.2	0.54	2.05
7.0-8.0	2407.4	34.5	147.7	0.62	2.67
8.0-9.0	2402.1	38.9	186.6	0.70	3.38
9.0-10.0	2396.0	43.4	230.0	0.78	4.16
10.0-11.0	2389.8	47.8	277.7	0.86	5.03
11.0-12.0	2382.9	52.1	329.8	0.94	5.97
12.0-13.0	2374.4	56.4	386.2	1.02	6.99
13.0-14.0	2364.6	60.5	446.7	1.10	8.08
14.0-15.0	2354.4	64.6	511.4	1.17	9.25
15.0-16.0	2342.8	68.7	580.0	1.24	10.50
16.0-17.0	2329.9	72.6	652.6	1.31	11.81
17.0-18.0	2316.6	76.4	729.0	1.38	13.19
18.0-19.0	2302.2	80.1	809.1	1.45	14.64
19.0-20.0	2285.9	83.7	892.8	1.51	16.15
20.0-21.0	2267.9	87.1	979.9	1.58	17.73
21.0-22.0	2248.8	90.4	1070.2	1.64	19.37
22.0-23.0	2228.3	93.5	1163.8	1.69	21.06
23.0-24.0	2205.7	96.5	1260.2	1.75	22.80
24.0-25.0	2182.0	99.2	1359.4	1.80	24.60
25.0-26.0	2157.0	101.8	1461.3	1.84	26.44
26.0-27.0	2129.5	104.2	1565.5	1.89	28.33
27.0-28.0	2099.1	106.3	1671.7	1.92	30.25
28.0-29.0	2067.3	108.2	1779.9	1.96	32.21
29.0-30.0	2034.2	109.8	1889.8	1.99	34.20
30.0-31.0	1999.3	111.3	2001.0	2.01	36.21
31.0-32.0	1962.1	112.4	2113.5	2.03	38.24
32.0-33.0	1922.5	113.3	2226.7	2.05	40.29
33.0-34.0	1881.0	113.8	2340.6	2.06	42.35
34.0-35.0	1837.8	114.1	2454.7	2.07	44.42
35.0-36.0	1792.5	114.1	2568.9	2.07	46.48

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 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	1744.9	113.8	2682.7	2.06	48.54
37.0-38.0	1695.7	113.2	2795.9	2.05	50.59
38.0-39.0	1645.1	112.3	2908.2	2.03	52.62
39.0-40.0	1593.5	111.2	3019.4	2.01	54.63
40.0-41.0	1541.8	109.8	3129.2	1.99	56.62
41.0-42.0	1489.4	108.2	3237.4	1.96	58.58
42.0-43.0	1436.3	106.4	3343.8	1.93	60.51
43.0-44.0	1382.4	104.4	3448.2	1.89	62.39
44.0-45.0	1329.1	102.2	3550.3	1.85	64.24
45.0-46.0	1275.9	99.8	3650.1	1.81	66.05
46.0-47.0	1223.2	97.3	3747.4	1.76	67.81
47.0-48.0	1172.4	94.8	3842.2	1.72	69.52
48.0-49.0	1122.5	92.2	3934.4	1.67	71.19
49.0-50.0	1073.8	89.5	4023.9	1.62	72.81
50.0-51.0	1026.5	86.9	4110.8	1.57	74.38
51.0-52.0	980.2	84.1	4194.9	1.52	75.91
52.0-53.0	935.4	81.4	4276.3	1.47	77.38
53.0-54.0	892.4	78.7	4354.9	1.42	78.80
54.0-55.0	851.3	76.0	4430.9	1.38	80.18
55.0-56.0	811.5	73.3	4504.3	1.33	81.50
56.0-57.0	773.1	70.7	4575.0	1.28	82.78
57.0-58.0	735.6	68.0	4643.0	1.23	84.01
58.0-59.0	699.4	65.4	4708.4	1.18	85.20
59.0-60.0	663.8	62.7	4771.1	1.13	86.33
60.0-61.0	628.9	60.0	4831.2	1.09	87.42
61.0-62.0	594.9	57.3	4888.5	1.04	88.46
62.0-63.0	561.6	54.6	4943.1	0.99	89.45
63.0-64.0	528.9	51.9	4995.0	0.94	90.38
64.0-65.0	496.7	49.2	5044.2	0.89	91.27
65.0-66.0	465.4	46.4	5090.6	0.84	92.11
66.0-67.0	434.4	43.7	5134.3	0.79	92.90
67.0-68.0	404.2	40.9	5175.3	0.74	93.65
68.0-69.0	374.6	38.2	5213.5	0.69	94.34
69.0-70.0	345.5	35.5	5249.0	0.64	94.98
70.0-71.0	317.3	32.8	5281.8	0.59	95.57
71.0-72.0	290.4	30.2	5312.0	0.55	96.12

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	264.5	27.7	5339.6	0.50	96.62
73.0-74.0	239.8	25.2	5364.9	0.46	97.08
74.0-75.0	216.0	22.8	5387.7	0.41	97.49
75.0-76.0	192.9	20.5	5408.2	0.37	97.86
76.0-77.0	170.4	18.2	5426.3	0.33	98.19
77.0-78.0	149.2	16.0	5442.3	0.29	98.48
78.0-79.0	128.9	13.9	5456.2	0.25	98.73
79.0-80.0	109.4	11.8	5468.0	0.21	98.94
80.0-81.0	90.8	9.8	5477.8	0.18	99.12
81.0-82.0	73.4	8.0	5485.7	0.14	99.26
82.0-83.0	56.7	6.2	5491.9	0.11	99.38
83.0-84.0	40.6	4.4	5496.3	0.08	99.46
84.0-85.0	26.2	2.9	5499.2	0.05	99.51
85.0-86.0	15.2	1.7	5500.8	0.03	99.54
86.0-87.0	7.6	0.8	5501.7	0.02	99.55
87.0-88.0	2.9	0.3	5502.0	0.01	99.56
88.0-89.0	0.8	0.1	5502.1	0.00	99.56
89.0-90.0	0.2	0.0	5502.1	0.00	99.56
90.0-91.0	0.2	0.0	5502.1	0.00	99.56
91.0-92.0	0.2	0.0	5502.1	0.00	99.56
92.0-93.0	0.2	0.0	5502.2	0.00	99.56
93.0-94.0	0.3	0.0	5502.2	0.00	99.56
94.0-95.0	0.4	0.0	5502.2	0.00	99.56
95.0-96.0	0.5	0.1	5502.3	0.00	99.56
96.0-97.0	0.5	0.1	5502.4	0.00	99.56
97.0-98.0	0.5	0.1	5502.4	0.00	99.57
98.0-99.0	0.5	0.1	5502.5	0.00	99.57
99.0-100.0	0.6	0.1	5502.5	0.00	99.57
100.0-101.0	0.6	0.1	5502.6	0.00	99.57
101.0-102.0	0.7	0.1	5502.7	0.00	99.57
102.0-103.0	0.9	0.1	5502.8	0.00	99.57
103.0-104.0	1.0	0.1	5502.9	0.00	99.57
104.0-105.0	1.1	0.1	5503.0	0.00	99.58
105.0-106.0	1.4	0.1	5503.1	0.00	99.58
106.0-107.0	1.3	0.1	5503.3	0.00	99.58
107.0-108.0	1.3	0.1	5503.4	0.00	99.58

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.6	0.2	5503.6	0.00	99.59
109.0-110.0	1.7	0.2	5503.8	0.00	99.59
110.0-111.0	1.8	0.2	5503.9	0.00	99.59
111.0-112.0	2.0	0.2	5504.1	0.00	99.60
112.0-113.0	1.9	0.2	5504.3	0.00	99.60
113.0-114.0	1.9	0.2	5504.5	0.00	99.60
114.0-115.0	2.2	0.2	5504.7	0.00	99.61
115.0-116.0	2.3	0.2	5505.0	0.00	99.61
116.0-117.0	2.3	0.2	5505.2	0.00	99.62
117.0-118.0	2.5	0.2	5505.4	0.00	99.62
118.0-119.0	2.7	0.3	5505.7	0.00	99.62
119.0-120.0	3.0	0.3	5506.0	0.01	99.63
120.0-121.0	3.1	0.3	5506.3	0.01	99.64
121.0-122.0	3.1	0.3	5506.6	0.01	99.64
122.0-123.0	3.4	0.3	5506.9	0.01	99.65
123.0-124.0	3.6	0.3	5507.2	0.01	99.65
124.0-125.0	4.0	0.4	5507.6	0.01	99.66
125.0-126.0	4.5	0.4	5508.0	0.01	99.67
126.0-127.0	4.7	0.4	5508.4	0.01	99.67
127.0-128.0	4.8	0.4	5508.8	0.01	99.68
128.0-129.0	5.0	0.4	5509.2	0.01	99.69
129.0-130.0	5.2	0.4	5509.7	0.01	99.70
130.0-131.0	5.4	0.5	5510.1	0.01	99.70
131.0-132.0	5.5	0.5	5510.6	0.01	99.71
132.0-133.0	5.7	0.5	5511.0	0.01	99.72
133.0-134.0	5.9	0.5	5511.5	0.01	99.73
134.0-135.0	5.8	0.5	5512.0	0.01	99.74
135.0-136.0	5.9	0.5	5512.4	0.01	99.75
136.0-137.0	6.2	0.5	5512.9	0.01	99.75
137.0-138.0	6.3	0.5	5513.3	0.01	99.76
138.0-139.0	6.2	0.5	5513.8	0.01	99.77
139.0-140.0	6.3	0.4	5514.2	0.01	99.78
140.0-141.0	6.4	0.4	5514.7	0.01	99.79
141.0-142.0	6.6	0.5	5515.1	0.01	99.80
142.0-143.0	6.8	0.5	5515.6	0.01	99.80
143.0-144.0	7.0	0.5	5516.0	0.01	99.81

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	7.2	0.5	5516.5	0.01	99.82
145.0-146.0	7.3	0.5	5516.9	0.01	99.83
146.0-147.0	7.4	0.4	5517.4	0.01	99.84
147.0-148.0	7.5	0.4	5517.8	0.01	99.84
148.0-149.0	7.8	0.4	5518.3	0.01	99.85
149.0-150.0	8.0	0.4	5518.7	0.01	99.86
150.0-151.0	8.0	0.4	5519.2	0.01	99.87
151.0-152.0	8.1	0.4	5519.6	0.01	99.88
152.0-153.0	8.4	0.4	5520.0	0.01	99.88
153.0-154.0	8.5	0.4	5520.4	0.01	99.89
154.0-155.0	8.5	0.4	5520.8	0.01	99.90
155.0-156.0	8.7	0.4	5521.2	0.01	99.91
156.0-157.0	8.9	0.4	5521.6	0.01	99.91
157.0-158.0	8.9	0.4	5522.0	0.01	99.92
158.0-159.0	8.9	0.4	5522.3	0.01	99.93
159.0-160.0	9.0	0.3	5522.7	0.01	99.93
160.0-161.0	9.2	0.3	5523.0	0.01	99.94
161.0-162.0	9.3	0.3	5523.4	0.01	99.94
162.0-163.0	9.4	0.3	5523.7	0.01	99.95
163.0-164.0	9.6	0.3	5524.0	0.01	99.96
164.0-165.0	9.8	0.3	5524.3	0.01	99.96
165.0-166.0	9.7	0.3	5524.5	0.00	99.97
166.0-167.0	9.8	0.3	5524.8	0.00	99.97
167.0-168.0	10.0	0.2	5525.0	0.00	99.97
168.0-169.0	10.0	0.2	5525.2	0.00	99.98
169.0-170.0	10.1	0.2	5525.4	0.00	99.98
170.0-171.0	10.2	0.2	5525.6	0.00	99.99
171.0-172.0	10.3	0.2	5525.8	0.00	99.99
172.0-173.0	10.3	0.1	5525.9	0.00	99.99
173.0-174.0	10.5	0.1	5526.1	0.00	99.99
174.0-175.0	10.6	0.1	5526.2	0.00	100.00
175.0-176.0	10.7	0.1	5526.3	0.00	100.00
176.0-177.0	10.7	0.1	5526.3	0.00	100.00
177.0-178.0	10.6	0.1	5526.4	0.00	100.00
178.0-179.0	10.7	0.0	5526.4	0.00	100.00
179.0-180.0	11.0	0.0	5526.4	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	2430.6	2426.8	2423.2	2422.2	2424.6	2420.8	2430.6	2426.8	2423.2	2422.2
G1.0	2429.5	2429.2	2428.0	2424.6	2422.1	2421.0	2428.3	2428.5	2424.2	2420.8
G2.0	2430.0	2423.0	2424.7	2423.7	2419.4	2416.6	2425.0	2425.4	2422.3	2420.0
G3.0	2423.5	2423.5	2423.5	2423.1	2420.3	2418.7	2428.3	2422.6	2426.3	2423.8
G4.0	2422.5	2422.0	2418.4	2416.7	2413.7	2414.8	2422.9	2419.6	2422.0	2422.9
G5.0	2420.7	2420.3	2413.6	2414.4	2413.6	2415.6	2422.9	2420.4	2419.9	2418.1
G6.0	2416.4	2416.2	2414.3	2415.6	2413.0	2410.3	2418.1	2416.8	2413.3	2412.1
G7.0	2417.8	2414.4	2407.6	2410.1	2408.4	2400.5	2410.3	2414.6	2407.6	2408.6
G8.0	2413.2	2407.7	2405.4	2406.7	2398.8	2401.6	2406.2	2406.7	2403.4	2403.9
G9.0	2405.6	2402.0	2402.5	2393.2	2395.4	2394.4	2398.7	2401.5	2399.4	2397.0
G10.0	2398.4	2399.2	2393.6	2393.2	2391.2	2384.7	2392.9	2391.8	2394.0	2391.6
G11.0	2391.6	2392.0	2386.7	2382.9	2385.7	2376.5	2385.6	2382.8	2387.2	2386.5
G12.0	2389.3	2384.0	2381.1	2376.0	2375.7	2370.4	2376.2	2375.0	2383.0	2381.6
G13.0	2378.8	2370.8	2370.8	2368.6	2369.3	2360.9	2366.0	2365.0	2369.8	2369.0
G14.0	2369.3	2371.7	2364.0	2353.1	2353.5	2350.6	2355.0	2356.0	2354.7	2358.6
G15.0	2358.5	2357.8	2353.2	2349.2	2344.6	2337.6	2338.2	2345.9	2347.1	2347.1
G16.0	2345.5	2351.0	2342.0	2332.2	2332.7	2325.8	2318.0	2331.2	2337.4	2335.6
G17.0	2338.2	2337.0	2326.9	2320.1	2320.2	2305.1	2303.2	2312.8	2324.9	2322.0
G18.0	2321.5	2325.8	2318.3	2312.8	2310.8	2286.2	2275.7	2296.3	2320.0	2316.9
G19.0	2303.7	2309.4	2307.8	2297.3	2294.1	2264.9	2263.2	2276.9	2301.4	2300.0
G20.0	2289.0	2293.4	2291.0	2282.7	2277.8	2248.9	2238.0	2256.7	2283.1	2283.5
G21.0	2268.7	2281.2	2277.6	2264.1	2257.1	2225.3	2208.9	2236.4	2267.5	2264.1
G22.0	2249.9	2264.9	2260.3	2249.1	2243.0	2197.6	2179.4	2211.9	2246.2	2247.1
G23.0	2226.2	2243.6	2244.1	2230.6	2220.2	2173.4	2140.0	2186.5	2229.3	2227.6
G24.0	2197.7	2223.0	2226.2	2212.6	2203.6	2139.9	2106.2	2155.7	2202.5	2217.1
G25.0	2174.0	2196.3	2207.8	2194.6	2182.7	2105.9	2071.8	2123.9	2188.9	2191.0
G26.0	2144.3	2173.6	2190.0	2176.3	2154.8	2075.3	2029.6	2094.9	2165.6	2172.8
G27.0	2108.1	2143.0	2166.4	2154.5	2133.6	2036.9	1986.1	2052.9	2139.7	2148.5
G28.0	2073.1	2114.4	2143.0	2129.6	2104.6	1997.7	1935.6	2016.0	2110.3	2123.8
G29.0	2032.9	2082.9	2117.7	2102.0	2076.5	1953.5	1887.3	1973.0	2084.5	2100.5
G30.0	1990.4	2052.1	2093.1	2076.4	2052.6	1910.1	1830.8	1927.6	2056.7	2076.5
G31.0	1944.3	2019.1	2067.8	2052.6	2021.5	1858.8	1775.4	1877.9	2032.0	2052.7
G32.0	1893.6	1979.1	2042.8	2022.3	1990.5	1809.3	1722.3	1826.7	1997.4	2026.0
G33.0	1843.7	1934.6	2011.4	1995.2	1954.0	1754.6	1662.4	1778.8	1964.9	1993.8
G34.0	1788.1	1888.7	1978.6	1962.3	1920.7	1699.8	1600.2	1726.0	1928.0	1963.1
G35.0	1729.4	1841.2	1952.4	1936.4	1879.5	1643.8	1536.6	1667.1	1890.8	1932.4
G36.0	1674.4	1790.9	1915.8	1901.1	1840.6	1581.9	1473.1	1607.3	1851.5	1900.0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 8.567 m

Humidity:

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	C270.0
G37.0	1604.6	1738.3	1885.2	1868.1	1798.3	1524.0	1407.7	1545.0	1807.2	1865.9
G38.0	1539.1	1680.3	1844.8	1833.7	1753.0	1462.8	1345.9	1482.2	1769.3	1836.8
G39.0	1473.9	1623.6	1803.5	1796.5	1703.6	1401.9	1282.6	1418.0	1721.1	1799.4
G40.0	1404.5	1562.9	1762.3	1760.8	1654.7	1336.5	1221.9	1355.5	1678.2	1772.2
G41.0	1335.8	1503.2	1721.1	1726.9	1607.9	1274.3	1164.6	1291.8	1630.6	1737.6
G42.0	1269.3	1438.3	1675.6	1689.9	1555.3	1210.4	1107.6	1231.2	1580.4	1706.7
G43.0	1198.8	1372.2	1634.3	1657.7	1504.0	1148.6	1049.9	1169.0	1531.8	1673.4
G44.0	1132.1	1302.9	1583.5	1620.6	1449.8	1085.8	999.2	1107.0	1481.4	1638.7
G45.0	1069.7	1235.9	1539.1	1589.8	1397.4	1028.2	948.4	1047.6	1427.8	1605.5
G46.0	1004.8	1165.9	1486.9	1548.1	1337.7	969.7	904.7	989.9	1377.3	1571.4
G47.0	944.5	1099.7	1440.1	1514.1	1284.1	916.5	864.6	934.3	1324.9	1536.0
G48.0	890.8	1033.3	1389.0	1476.0	1225.2	866.0	831.1	881.9	1271.1	1502.8
G49.0	838.9	968.2	1338.5	1442.9	1172.7	819.5	796.5	834.1	1215.6	1464.2
G50.0	796.5	906.7	1286.8	1404.2	1115.6	774.8	768.2	787.4	1160.4	1430.1
G51.0	750.7	848.1	1233.5	1362.9	1060.0	736.8	742.4	749.4	1102.3	1388.3
G52.0	717.6	792.2	1176.7	1320.5	1002.2	699.1	720.3	709.7	1049.8	1351.0
G53.0	681.8	741.6	1122.3	1281.6	946.6	666.5	701.6	675.5	992.1	1309.9
G54.0	655.3	693.5	1062.7	1237.2	890.1	636.8	684.4	644.3	940.3	1270.5
G55.0	631.6	652.0	1006.2	1197.4	837.6	609.4	668.3	615.5	883.0	1229.1
G56.0	610.1	613.6	948.1	1152.6	783.7	584.1	652.4	591.2	829.8	1188.8
G57.0	592.0	579.1	893.5	1109.6	732.4	562.2	636.5	567.1	775.8	1143.4
G58.0	574.4	548.5	834.7	1061.7	681.9	541.3	622.6	546.1	724.4	1093.7
G59.0	557.5	521.1	783.8	1018.5	636.5	520.9	606.1	527.4	675.1	1042.7
G60.0	541.7	495.8	726.1	965.3	591.1	500.6	591.0	506.8	625.2	991.2
G61.0	524.9	473.6	673.5	919.2	548.3	483.7	572.9	488.0	580.7	941.4
G62.0	507.8	452.0	620.5	867.3	505.5	462.6	554.0	469.6	535.2	891.2
G63.0	486.9	431.7	572.7	820.0	468.5	444.3	531.9	450.6	496.3	842.1
G64.0	464.8	412.6	522.7	771.5	432.4	424.8	505.1	432.8	452.7	793.7
G65.0	439.0	392.7	481.8	727.4	398.6	404.0	475.9	412.2	421.6	745.9
G66.0	409.9	373.3	440.5	682.6	367.5	383.2	445.3	391.1	389.2	698.1
G67.0	381.6	353.4	404.7	636.6	339.6	359.2	413.2	369.0	359.7	651.1
G68.0	355.8	331.0	371.8	590.5	313.6	333.7	385.6	345.7	332.1	603.5
G69.0	329.8	307.6	341.3	547.8	290.2	308.0	357.5	320.1	306.0	556.9
G70.0	306.3	285.0	312.8	501.3	267.8	283.7	330.4	295.2	280.7	507.0
G71.0	282.0	261.5	286.5	456.3	246.8	261.9	303.0	272.0	258.3	460.6
G72.0	257.8	240.6	261.6	411.2	225.5	238.8	278.5	250.1	236.1	416.1
G73.0	234.7	221.1	237.7	370.9	206.2	217.7	251.5	228.4	214.0	376.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	212.3	201.4	214.7	333.5	185.7	195.4	226.4	205.4	194.3	338.9
G75.0	190.0	182.2	192.2	298.8	167.5	175.0	201.7	184.6	175.8	302.0
G76.0	168.3	164.0	171.5	264.0	149.5	154.0	177.9	163.2	157.0	264.5
G77.0	146.8	145.5	152.9	229.0	133.0	134.3	154.4	143.7	138.5	230.0
G78.0	126.6	128.8	135.9	199.4	116.3	115.4	133.3	124.4	119.9	198.8
G79.0	107.1	111.7	117.2	172.4	98.6	98.4	111.4	106.5	102.3	169.8
G80.0	88.2	95.3	100.1	146.0	83.4	81.2	91.0	88.3	86.0	142.3
G81.0	69.4	78.8	84.0	122.0	69.0	64.1	70.5	70.8	70.7	118.2
G82.0	51.1	64.3	69.3	98.6	56.1	47.2	50.9	54.1	57.4	95.9
G83.0	31.4	48.5	55.3	77.4	44.6	30.4	31.6	38.1	44.9	73.3
G84.0	15.5	32.9	42.7	57.6	33.2	14.7	14.9	18.9	32.9	53.0
G85.0	3.8	17.0	30.8	39.3	22.9	4.2	4.8	8.3	22.6	35.0
G86.0	1.2	6.5	21.0	23.2	12.4	1.7	2.5	4.5	12.2	18.9
G87.0	0.0	3.3	10.1	9.8	4.4	1.6	1.2	2.3	3.5	7.5
G88.0	0.0	1.6	3.0	2.1	1.5	0.6	0.6	0.0	1.6	3.0
G89.0	0.0	0.6	0.9	0.0	0.4	0.4	0.4	0.0	0.0	0.7
G90.0	0.0	0.3	0.4	0.0	0.5	0.4	0.4	0.3	0.0	0.2
G91.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.6
G92.0	0.0	0.0	0.6	0.0	0.0	0.5	0.4	0.0	0.0	0.6
G93.0	0.0	0.0	0.6	0.0	0.6	0.5	0.5	0.0	0.0	0.7
G94.0	0.0	0.5	0.7	0.0	0.6	0.7	0.5	0.5	0.0	0.8
G95.0	0.0	0.6	0.6	0.0	0.8	0.7	0.6	0.7	0.0	0.9
G96.0	0.0	0.7	0.8	0.0	0.8	1.4	0.6	0.0	0.0	0.9
G97.0	0.0	0.7	0.8	0.0	0.8	1.3	0.6	0.9	0.0	0.9
G98.0	0.0	0.8	1.0	0.0	1.1	1.0	0.7	0.7	0.0	0.0
G99.0	0.0	0.0	1.1	0.0	1.1	1.1	0.8	0.0	0.0	1.2
G100.0	0.0	0.9	0.0	0.1	1.2	1.0	0.9	0.7	1.0	1.3
G101.0	0.0	1.0	0.0	0.2	1.2	0.0	0.9	0.9	1.0	1.5
G102.0	0.0	0.8	1.2	0.4	1.3	0.0	1.2	0.9	1.5	1.5
G103.0	0.0	1.1	1.5	0.5	1.5	1.3	1.1	0.9	1.4	1.6
G104.0	0.0	0.0	0.2	0.6	1.6	1.2	1.2	1.2	1.5	1.9
G105.0	0.1	1.5	1.7	0.8	2.0	1.4	1.3	1.2	1.7	1.9
G106.0	0.1	1.4	1.9	0.9	1.9	1.8	2.0	1.3	1.7	2.1
G107.0	0.2	0.1	0.5	1.1	2.0	1.6	1.4	1.4	1.9	2.2
G108.0	0.3	1.5	2.0	1.2	2.3	1.8	1.4	1.4	2.0	2.3
G109.0	0.4	1.8	2.3	1.2	2.5	1.8	1.6	1.5	2.1	2.5
G110.0	0.5	0.4	0.9	1.5	2.5	2.0	1.7	1.8	2.3	2.7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	0.6	0.5	0.9	3.1	2.8	2.1	1.8	1.7	2.5	2.7
G112.0	0.7	2.1	1.2	3.3	2.7	2.2	1.9	2.0	2.6	1.5
G113.0	0.7	0.8	1.3	2.0	3.0	2.3	2.0	0.7	2.9	1.6
G114.0	0.9	0.9	1.5	2.2	3.1	2.4	2.1	0.8	2.9	3.4
G115.0	1.0	1.0	3.1	2.3	3.4	2.6	0.8	1.0	3.1	3.4
G116.0	1.0	1.1	1.8	2.5	3.5	2.8	0.9	1.1	3.3	3.6
G117.0	1.2	1.3	2.0	2.7	3.6	3.0	1.1	1.3	3.4	3.8
G118.0	1.3	1.5	2.2	2.9	4.0	1.6	2.6	1.4	3.7	3.9
G119.0	1.5	1.5	3.7	3.0	4.1	1.8	1.3	3.0	3.8	4.3
G120.0	1.6	1.8	4.0	3.0	4.3	2.1	1.5	3.2	4.6	4.3
G121.0	1.8	2.0	2.7	3.3	4.5	2.4	1.6	3.5	4.2	4.3
G122.0	1.9	2.1	2.9	3.5	4.5	4.2	1.9	2.4	4.3	4.9
G123.0	2.1	2.3	3.0	3.8	4.7	4.4	3.4	2.7	4.9	4.8
G124.0	2.3	2.4	4.6	3.9	3.5	4.7	4.2	2.8	4.7	4.9
G125.0	2.4	2.6	4.8	4.0	5.0	4.9	6.1	4.5	4.8	5.1
G126.0	2.5	2.8	4.9	4.2	5.3	5.2	8.0	4.6	5.1	5.3
G127.0	2.6	2.8	5.1	4.4	5.4	4.0	7.6	4.8	5.2	5.5
G128.0	2.9	3.1	5.1	4.6	5.7	4.2	8.5	4.9	5.5	5.7
G129.0	4.5	3.3	4.1	4.7	5.8	4.4	10.2	3.8	5.6	5.9
G130.0	4.5	3.3	4.6	6.3	5.9	4.5	8.7	4.0	5.8	6.0
G131.0	4.8	3.7	5.6	6.4	6.0	4.7	8.5	4.0	6.0	6.2
G132.0	5.0	3.8	4.6	6.7	4.9	4.9	8.2	5.8	6.1	6.2
G133.0	5.2	4.0	4.7	5.4	6.4	6.3	9.4	5.9	6.1	6.5
G134.0	5.4	4.2	6.2	5.3	6.6	6.6	9.0	6.0	6.4	5.2
G135.0	5.6	4.4	6.4	5.7	6.9	5.2	7.3	4.8	6.6	5.4
G136.0	5.8	4.5	6.3	7.3	6.9	5.3	6.9	4.9	7.3	7.0
G137.0	6.0	4.7	6.8	7.4	7.0	5.5	8.3	5.1	6.9	7.3
G138.0	6.2	4.9	7.0	6.2	5.9	5.7	6.5	6.6	7.0	7.4
G139.0	6.4	5.1	5.7	6.3	6.0	5.8	6.4	6.8	7.2	7.5
G140.0	6.6	5.2	5.9	6.5	6.2	5.9	6.3	6.9	7.3	7.6
G141.0	6.7	5.3	6.0	6.6	7.7	6.1	6.2	5.7	7.4	6.4
G142.0	6.9	5.6	7.5	8.1	7.9	6.2	6.0	5.8	7.6	8.0
G143.0	7.0	5.7	6.3	8.8	6.6	6.3	6.1	6.0	7.8	8.0
G144.0	7.3	5.8	6.5	8.4	6.7	7.9	6.1	7.5	7.9	8.2
G145.0	7.4	6.1	8.1	8.5	6.9	7.8	6.1	7.6	8.1	6.9
G146.0	7.6	6.3	8.2	8.8	7.1	6.8	6.3	7.8	8.2	7.1
G147.0	7.8	6.4	8.3	8.8	7.2	6.8	6.4	8.0	8.4	7.2

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	7.8	6.5	8.5	8.9	7.3	7.0	6.7	8.2	8.4	7.3
G149.0	8.1	6.7	8.7	9.1	7.5	8.6	8.2	7.9	8.6	7.4
G150.0	7.8	6.7	8.8	9.1	7.6	8.8	6.9	8.3	8.8	8.9
G151.0	8.4	7.0	7.4	9.5	7.7	7.5	7.1	7.2	8.9	9.4
G152.0	8.5	7.1	7.6	9.4	7.8	7.7	8.6	8.7	9.3	9.4
G153.0	8.7	7.3	9.2	9.6	8.0	7.8	8.7	8.7	9.2	9.3
G154.0	8.8	7.4	7.7	9.7	8.1	8.0	9.0	7.7	9.4	9.4
G155.0	9.0	7.6	8.0	9.7	8.1	9.5	7.8	9.1	9.7	8.1
G156.0	9.0	7.8	9.5	9.8	8.3	9.7	7.9	9.4	9.6	8.2
G157.0	9.3	9.3	9.5	8.5	8.4	9.8	9.5	8.0	9.7	8.3
G158.0	9.4	9.5	9.8	8.5	8.5	9.9	8.2	8.2	9.8	8.4
G159.0	9.5	9.6	8.4	8.7	8.7	8.5	8.3	8.3	9.9	8.5
G160.0	9.4	9.7	8.5	10.2	8.8	10.2	8.4	8.4	10.0	8.6
G161.0	9.8	8.3	10.0	10.3	8.9	10.2	8.6	8.4	9.9	8.7
G162.0	9.9	8.5	10.1	9.0	8.9	10.2	8.7	8.7	10.2	10.4
G163.0	10.0	10.1	10.3	10.5	9.1	8.9	8.8	8.8	10.3	10.3
G164.0	10.2	10.2	10.4	10.6	9.1	9.1	8.8	8.8	10.4	10.4
G165.0	10.3	10.3	10.4	10.6	9.3	9.2	9.1	9.1	10.6	10.4
G166.0	10.4	10.4	10.6	10.6	9.3	9.3	9.1	9.1	10.7	9.2
G167.0	10.5	10.9	10.6	10.7	9.4	9.4	9.1	9.2	10.6	9.3
G168.0	10.5	10.5	10.7	10.9	9.5	9.5	9.4	9.4	10.9	9.3
G169.0	10.5	10.6	10.7	10.9	9.4	9.5	9.5	9.4	10.9	9.5
G170.0	10.7	10.7	10.9	10.9	9.6	9.6	9.4	9.4	10.9	9.5
G171.0	10.9	10.9	10.9	10.9	9.6	9.6	9.6	9.6	11.1	9.5
G172.0	10.9	10.9	9.6	11.1	9.6	9.7	9.7	9.7	11.1	11.1
G173.0	10.9	11.0	9.6	11.1	9.7	9.7	9.7	11.1	11.1	9.7
G174.0	11.0	11.0	11.1	11.1	9.8	9.8	11.1	10.9	11.1	9.7
G175.0	10.9	11.1	11.1	11.1	9.8	9.9	11.1	9.7	11.1	9.8
G176.0	11.1	11.1	11.2	11.7	9.9	11.3	9.7	9.8	11.8	9.8
G177.0	11.2	11.2	11.2	11.3	9.9	9.9	9.8	9.8	11.2	9.9
G178.0	11.1	9.8	11.3	11.3	9.9	9.9	9.9	11.2	11.3	9.8
G179.0	11.4	11.2	11.4	11.1	9.9	11.8	9.9	9.9	11.3	9.9
G180.0	11.1	11.4	11.3	11.3	11.4	11.9	9.9	11.0	11.3	9.9

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	2424.6	2420.8	2430.6							
G1.0	2424.4	2424.7	2429.5							
G2.0	2417.5	2421.1	2430.0							
G3.0	2421.1	2419.9	2423.5							
G4.0	2419.8	2415.8	2422.5							
G5.0	2417.3	2412.6	2420.7							
G6.0	2412.2	2411.6	2416.4							
G7.0	2408.3	2406.8	2417.8							
G8.0	2402.6	2406.5	2413.2							
G9.0	2395.6	2401.3	2405.6							
G10.0	2390.0	2396.1	2398.4							
G11.0	2388.4	2391.4	2391.6							
G12.0	2378.5	2380.4	2389.3							
G13.0	2372.8	2373.4	2378.8							
G14.0	2365.1	2364.7	2369.3							
G15.0	2353.9	2357.3	2358.5							
G16.0	2339.9	2346.0	2345.5							
G17.0	2330.7	2339.4	2338.2							
G18.0	2316.1	2318.0	2321.5							
G19.0	2306.8	2307.9	2303.7							
G20.0	2292.8	2291.1	2289.0							
G21.0	2275.5	2274.5	2268.7							
G22.0	2260.6	2260.5	2249.9							
G23.0	2244.0	2242.8	2226.2							
G24.0	2223.4	2221.6	2197.7							
G25.0	2205.2	2196.4	2174.0							
G26.0	2186.1	2166.1	2144.3							
G27.0	2164.8	2143.7	2108.1							
G28.0	2138.8	2114.0	2073.1							
G29.0	2119.0	2084.0	2032.9							
G30.0	2092.5	2048.3	1990.4							
G31.0	2062.0	2012.3	1944.3							
G32.0	2036.1	1967.3	1893.6							
G33.0	2006.7	1925.5	1843.7							
G34.0	1979.5	1883.7	1788.1							
G35.0	1945.4	1832.6	1729.4							
G36.0	1910.3	1786.4	1674.4							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	1871.1	1729.0	1604.6						
G38.0	1833.1	1671.6	1539.1						
G39.0	1793.9	1612.9	1473.9						
G40.0	1754.2	1548.9	1404.5						
G41.0	1709.6	1486.3	1335.8						
G42.0	1669.7	1421.5	1269.3						
G43.0	1622.6	1352.0	1198.8						
G44.0	1574.9	1287.7	1132.1						
G45.0	1524.5	1220.7	1069.7						
G46.0	1477.3	1152.4	1004.8						
G47.0	1426.3	1085.8	944.5						
G48.0	1380.3	1020.5	890.8						
G49.0	1325.1	955.0	838.9						
G50.0	1273.3	897.1	796.5						
G51.0	1219.6	841.5	750.7						
G52.0	1163.3	785.8	717.6						
G53.0	1105.5	735.2	681.8						
G54.0	1050.3	692.4	655.3						
G55.0	990.8	652.0	631.6						
G56.0	934.5	614.8	610.1						
G57.0	878.1	582.2	592.0						
G58.0	820.8	553.0	574.4						
G59.0	763.9	528.0	557.5						
G60.0	708.7	505.7	541.7						
G61.0	655.3	483.0	524.9						
G62.0	605.1	462.3	507.8						
G63.0	557.0	443.3	486.9						
G64.0	511.2	423.5	464.8						
G65.0	468.6	405.4	439.0						
G66.0	430.0	386.5	409.9						
G67.0	394.8	365.8	381.6						
G68.0	364.3	343.5	355.8						
G69.0	334.3	320.2	329.8						
G70.0	307.0	295.3	306.3						
G71.0	281.9	272.9	282.0						
G72.0	257.3	251.4	257.8						
G73.0	234.4	230.7	234.7						

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	211.6	211.4	212.3							
G75.0	190.5	192.3	190.0							
G76.0	169.7	172.6	168.3							
G77.0	152.1	153.7	146.8							
G78.0	133.3	135.1	126.6							
G79.0	114.2	117.7	107.1							
G80.0	96.6	100.2	88.2							
G81.0	79.7	84.3	69.4							
G82.0	65.8	68.5	51.1							
G83.0	52.4	52.8	31.4							
G84.0	40.0	36.7	15.5							
G85.0	28.9	17.9	3.8							
G86.0	18.1	7.6	1.2							
G87.0	7.1	2.7	0.0							
G88.0	1.3	0.6	0.0							
G89.0	0.0	0.0	0.0							
G90.0	0.0	0.0	0.0							
G91.0	0.0	0.0	0.0							
G92.0	0.0	0.0	0.0							
G93.0	0.0	0.4	0.0							
G94.0	0.0	0.5	0.0							
G95.0	0.0	0.6	0.0							
G96.0	0.0	0.6	0.0							
G97.0	0.0	0.6	0.0							
G98.0	0.0	0.7	0.0							
G99.0	0.0	0.8	0.0							
G100.0	0.0	0.8	0.0							
G101.0	0.0	0.9	0.0							
G102.0	0.0	1.0	0.0							
G103.0	0.0	1.6	0.0							
G104.0	0.0	1.1	0.0							
G105.0	0.1	1.1	0.1							
G106.0	1.6	1.3	0.1							
G107.0	0.3	1.4	0.2							
G108.0	0.4	1.5	0.3							
G109.0	0.5	1.6	0.4							
G110.0	2.1	1.8	0.5							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	2.2	1.8	0.6							
G112.0	2.4	2.0	0.7							
G113.0	2.5	1.9	0.7							
G114.0	2.7	2.1	0.9							
G115.0	2.8	2.2	1.0							
G116.0	3.0	2.4	1.0							
G117.0	3.1	2.6	1.2							
G118.0	3.4	2.7	1.3							
G119.0	3.3	2.8	1.5							
G120.0	3.7	3.0	1.6							
G121.0	3.8	3.0	1.8							
G122.0	2.6	3.2	1.9							
G123.0	2.7	3.4	2.1							
G124.0	2.9	3.6	2.3							
G125.0	3.0	3.8	2.4							
G126.0	4.6	4.0	2.5							
G127.0	4.9	4.2	2.6							
G128.0	3.6	4.3	2.9							
G129.0	5.2	4.4	4.5							
G130.0	5.3	4.6	4.5							
G131.0	5.6	4.8	4.8							
G132.0	5.6	4.9	5.0							
G133.0	4.4	5.1	5.2							
G134.0	4.6	5.3	5.4							
G135.0	4.7	5.6	5.6							
G136.0	4.9	5.7	5.8							
G137.0	5.1	5.7	6.0							
G138.0	5.2	6.0	6.2							
G139.0	5.4	6.2	6.4							
G140.0	5.6	6.4	6.6							
G141.0	5.7	6.8	6.7							
G142.0	5.9	6.6	6.9							
G143.0	6.0	6.8	7.0							
G144.0	6.2	7.0	7.3							
G145.0	6.3	7.4	7.4							
G146.0	6.3	7.3	7.6							
G147.0	6.6	7.5	7.8							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G148.0	6.7	7.7	7.8						
G149.0	6.8	7.8	8.1						
G150.0	7.0	7.9	7.8						
G151.0	7.1	8.4	8.4						
G152.0	7.1	8.3	8.5						
G153.0	7.4	8.5	8.7						
G154.0	7.6	8.6	8.8						
G155.0	7.7	8.8	9.0						
G156.0	7.8	8.9	9.0						
G157.0	8.0	9.1	9.3						
G158.0	8.1	9.1	9.4						
G159.0	8.2	9.4	9.5						
G160.0	8.3	9.5	9.4						
G161.0	8.4	9.7	9.8						
G162.0	8.6	8.4	9.9						
G163.0	8.6	8.3	10.0						
G164.0	8.8	10.0	10.2						
G165.0	8.9	8.8	10.3						
G166.0	8.9	8.8	10.4						
G167.0	9.1	10.4	10.5						
G168.0	9.3	10.6	10.5						
G169.0	9.3	10.6	10.5						
G170.0	9.4	10.8	10.7						
G171.0	9.5	11.3	10.9						
G172.0	9.6	10.9	10.9						
G173.0	9.6	11.1	10.9						
G174.0	9.7	11.1	11.0						
G175.0	9.7	11.2	10.9						
G176.0	11.1	11.2	11.1						
G177.0	11.1	11.3	11.2						
G178.0	11.3	9.9	11.1						
G179.0	11.1	11.3	11.4						
G180.0	11.4	11.4	11.1						

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector: