

Report No.:

Test Time: 2016-12-26 17:28

Luminaire Property

Luminaire Manufacturer:

Luminaire Description:

Voltage: 123.2 V

Power: 200.00 W

Current: 1.631 A

Power Factor: 0.995

Photometric Results

CIE Class: Direct

Measurement Flux: 25875.4 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H143.1,H125.5,H118.2,H96

Vertical Diffuse Angle(10%,50%,75%,100%): V141.5,V124.1,V118.1,V98

Luminaire Efficacy Rating (LER): 129.43

Max. Intensity: 8574.8 cd

S/MH(C0/C180): 2.31

Total Rated Lamp Lumens: 25875.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 4126.45 cd

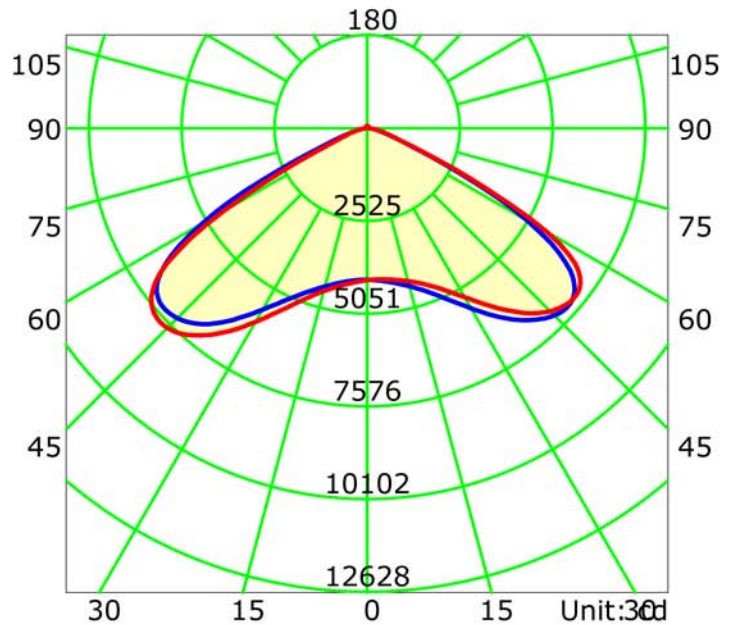
Pos of Max. Intensity: H240 V50

S/MH(C90/C270): 2.33

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 124.6°

— 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

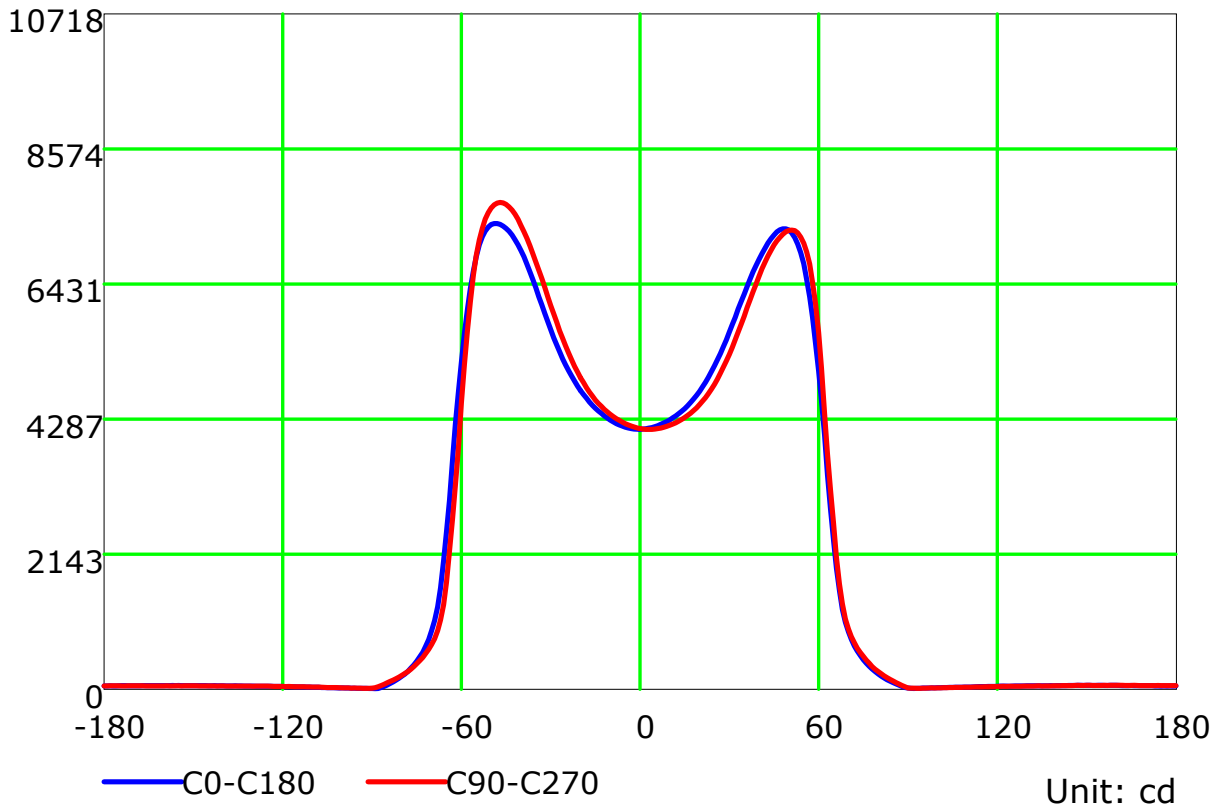
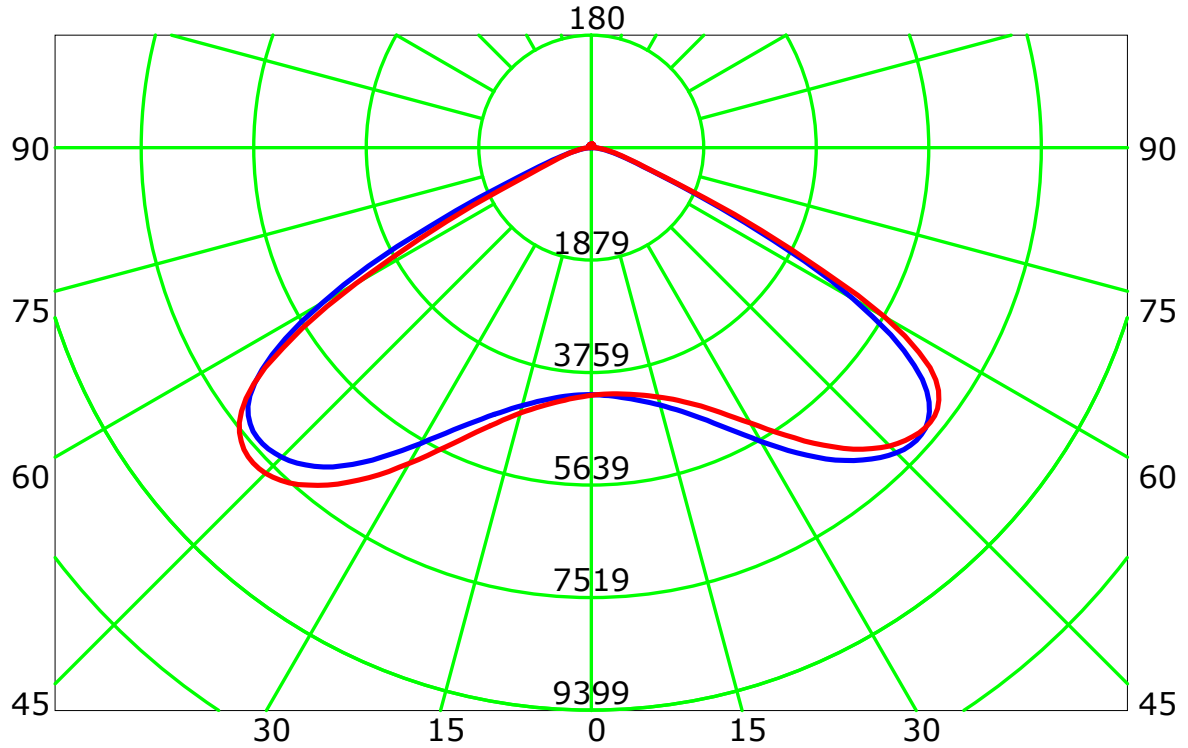
Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

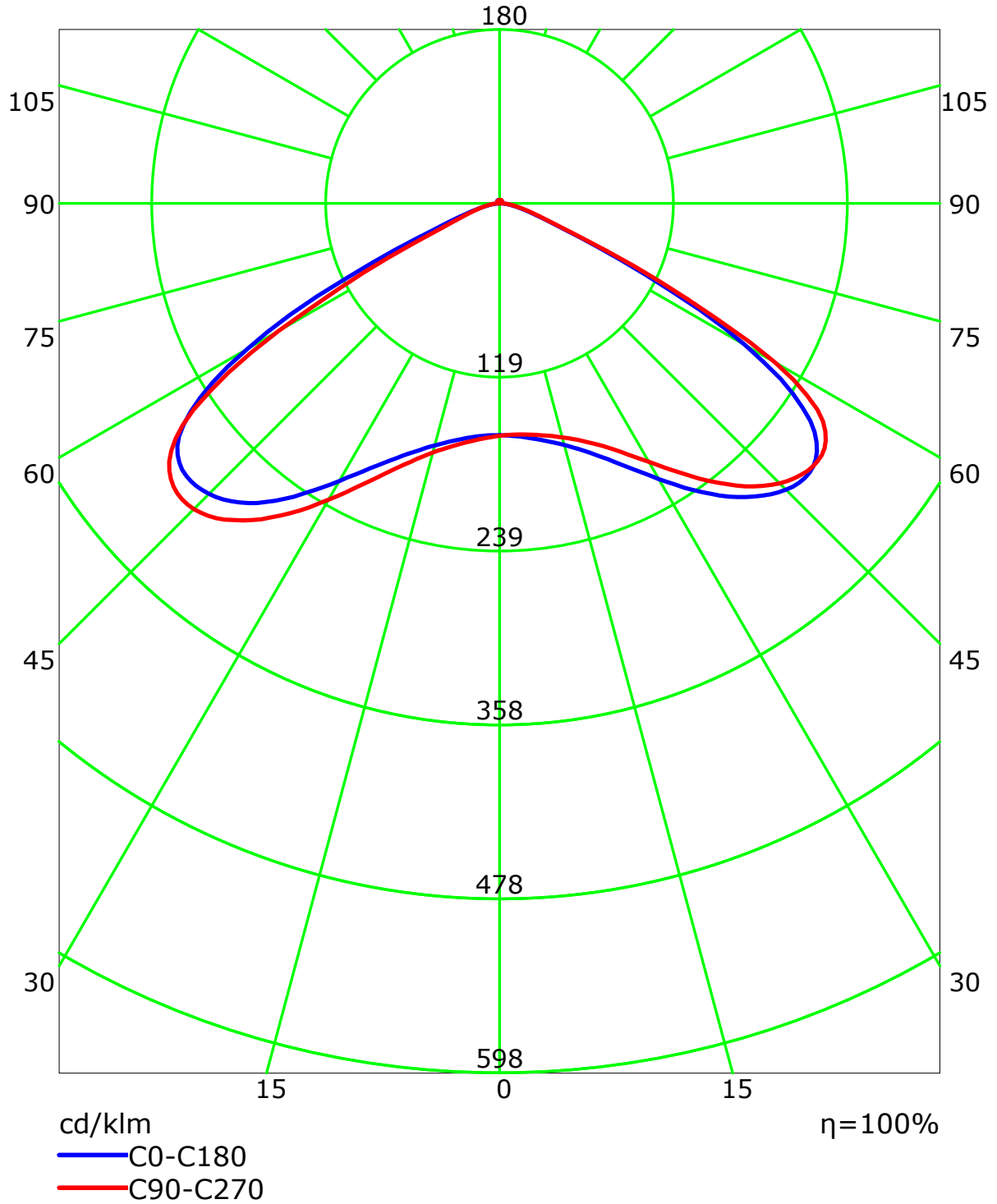
Luminous Intensity Distribution Curve



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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



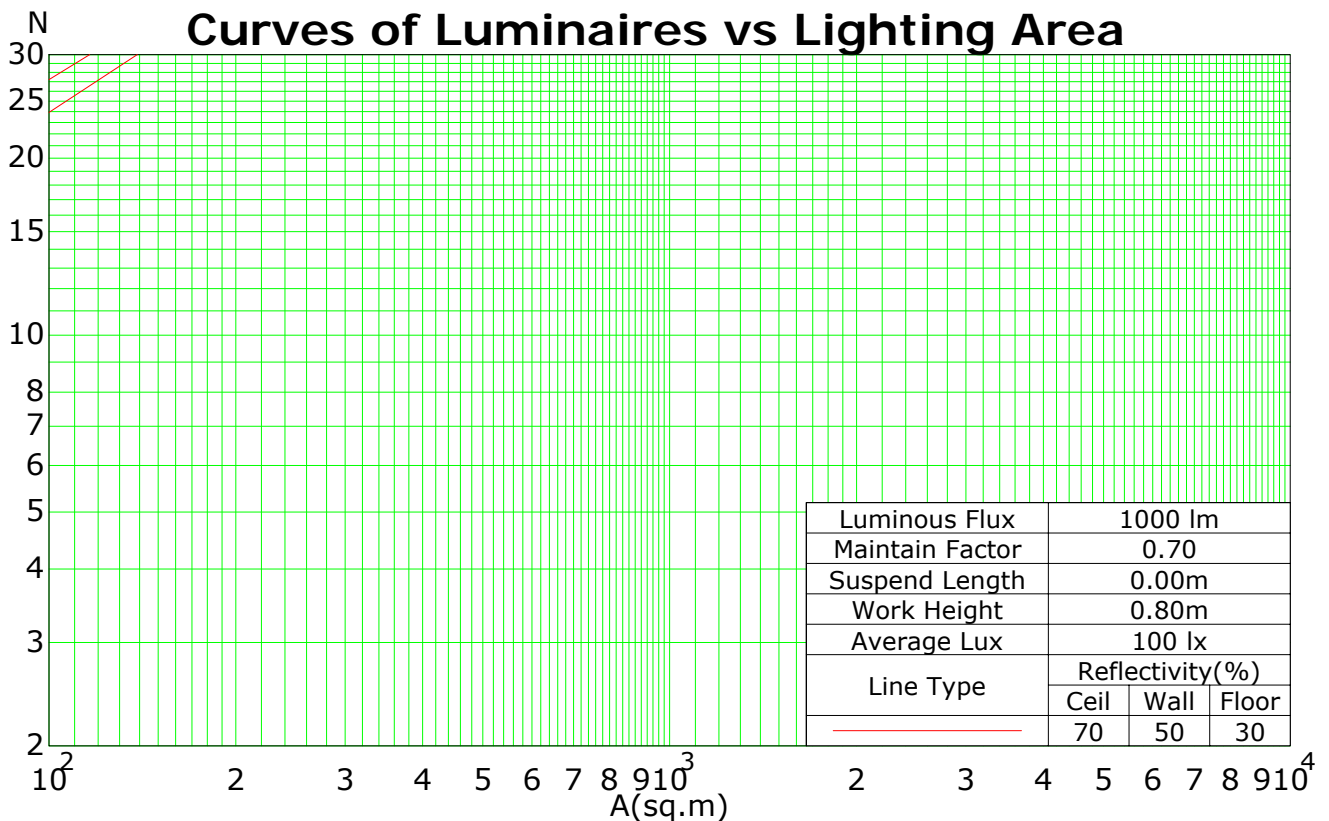
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 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	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	80	76	72	77	74	70	68
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	58	53	48	46
5	73	59	49	42	70	58	49	42	55	47	41	53	46	41	51	45	40	38
6	66	52	42	36	64	51	42	35	49	41	35	47	40	34	45	39	34	32
7	61	46	37	30	59	45	36	30	44	36	30	42	35	29	41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23
9	52	37	29	23	50	37	28	23	36	28	22	34	27	22	33	27	22	20
10	48	34	26	20	47	34	25	20	32	25	20	31	24	20	30	24	19	18

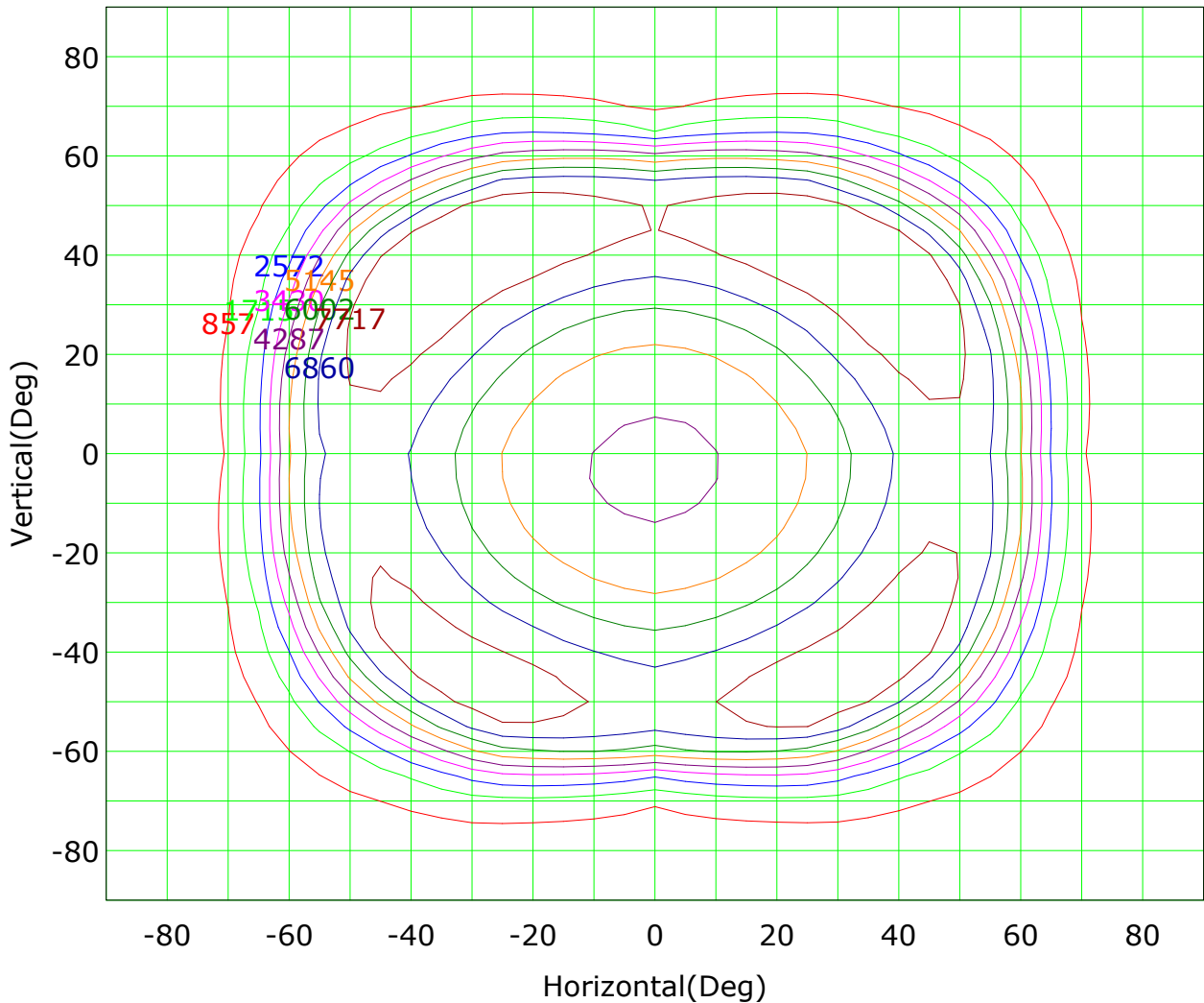
Spacing Criteria (0-180): 2.31
 Spacing Criteria (90-270): 2.33
 Spacing Criteria (Diagonal): 2.32



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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Isocandela (rectangle)



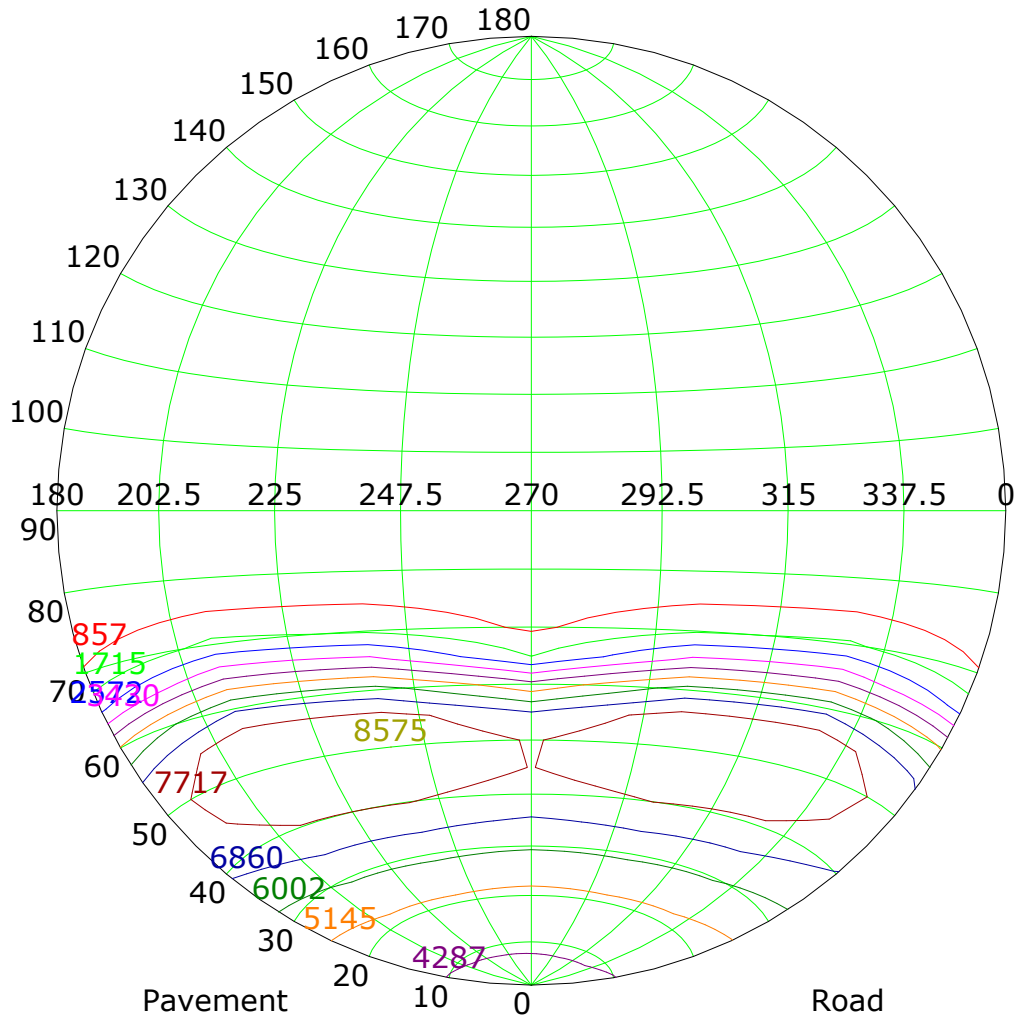
Imax (100%): 8575 cd

- | | |
|-------------------|-------------------|
| — (10%): 857 cd | — (20%): 1715 cd |
| — (30%): 2572 cd | — (40%): 3430 cd |
| — (50%): 4287 cd | — (60%): 5145 cd |
| — (70%): 6002 cd | — (80%): 6860 cd |
| — (90%): 7717 cd | — (100%): 8575 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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Isocandela (sphere)



Imax (100%): 8575 cd

- | | |
|-------------------|-------------------|
| — (10%): 857 cd | — (20%): 1715 cd |
| — (30%): 2572 cd | — (40%): 3430 cd |
| — (50%): 4287 cd | — (60%): 5145 cd |
| — (70%): 6002 cd | — (80%): 6860 cd |
| — (90%): 7717 cd | — (100%): 8575 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

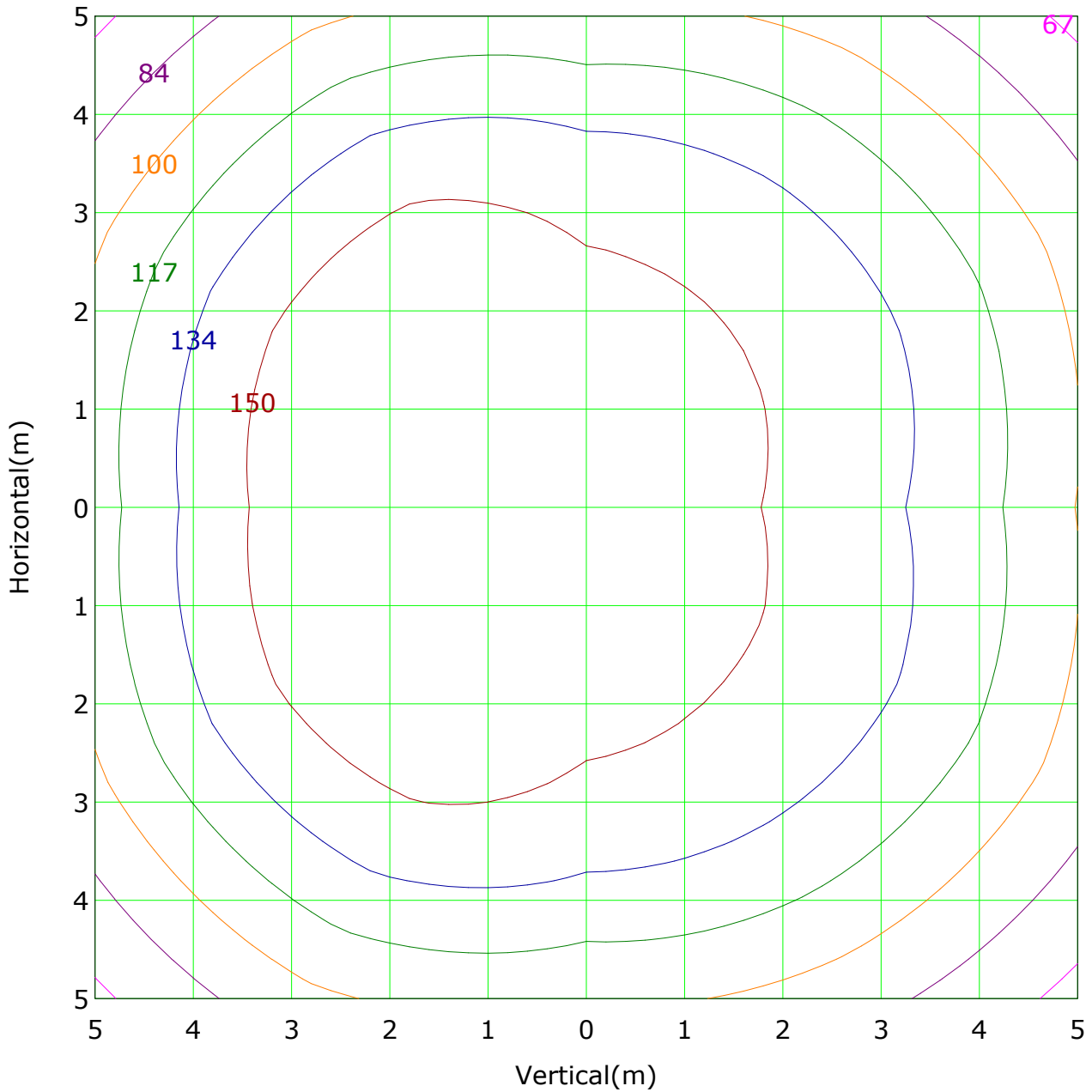
Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

IsoLux Plot



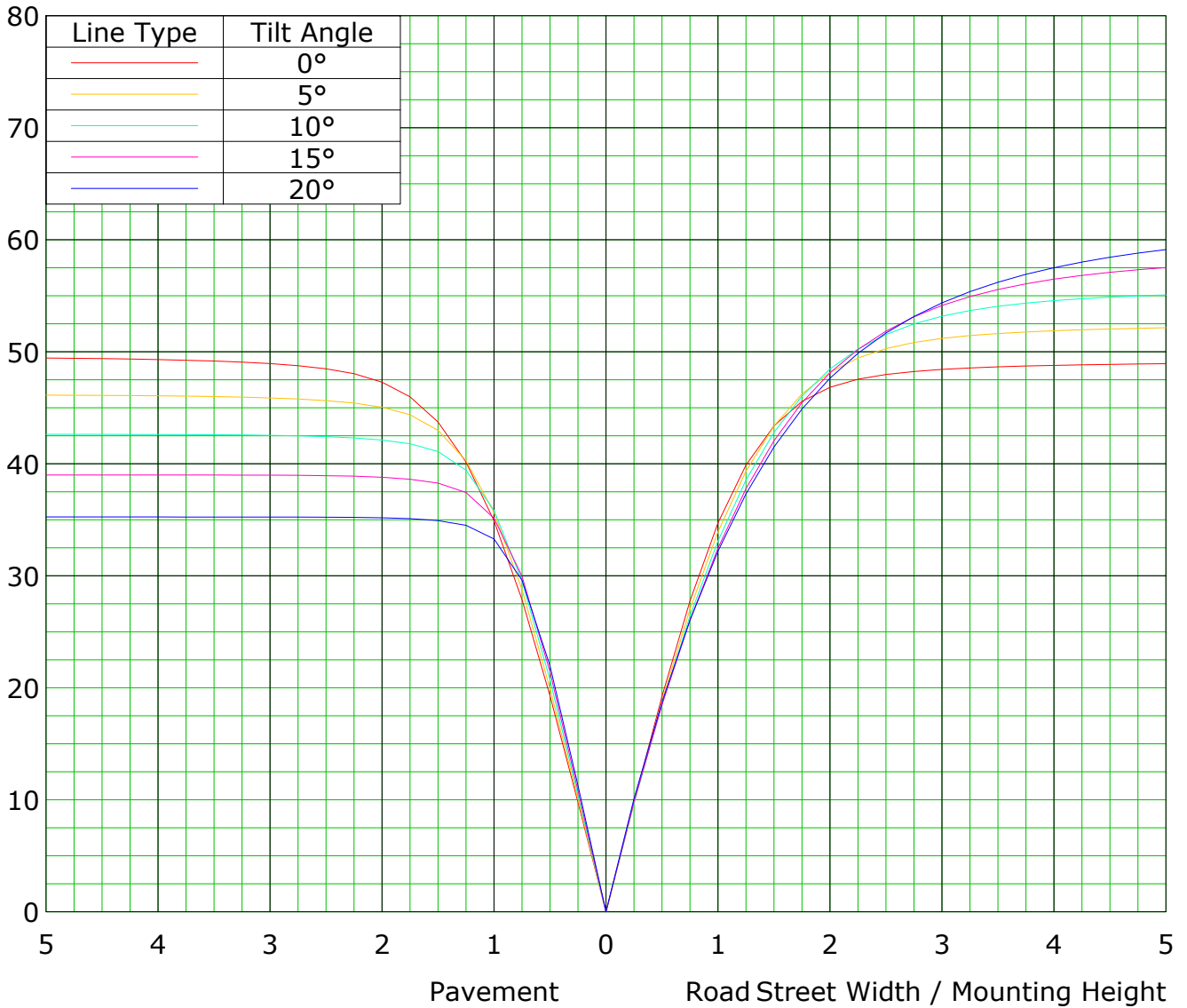
Mounting Height: 5.0m		Max Lux(100%): 167.2 lx
— (10%): 16.7 lx	— (20%): 33.4 lx	— (40%): 66.9 lx
— (30%): 50.2 lx	— (60%): 100.3 lx	— (80%): 133.7 lx
— (50%): 83.6 lx	— (100%): 167.2 lx	
— (70%): 117.0 lx		
— (90%): 150.5 lx		

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



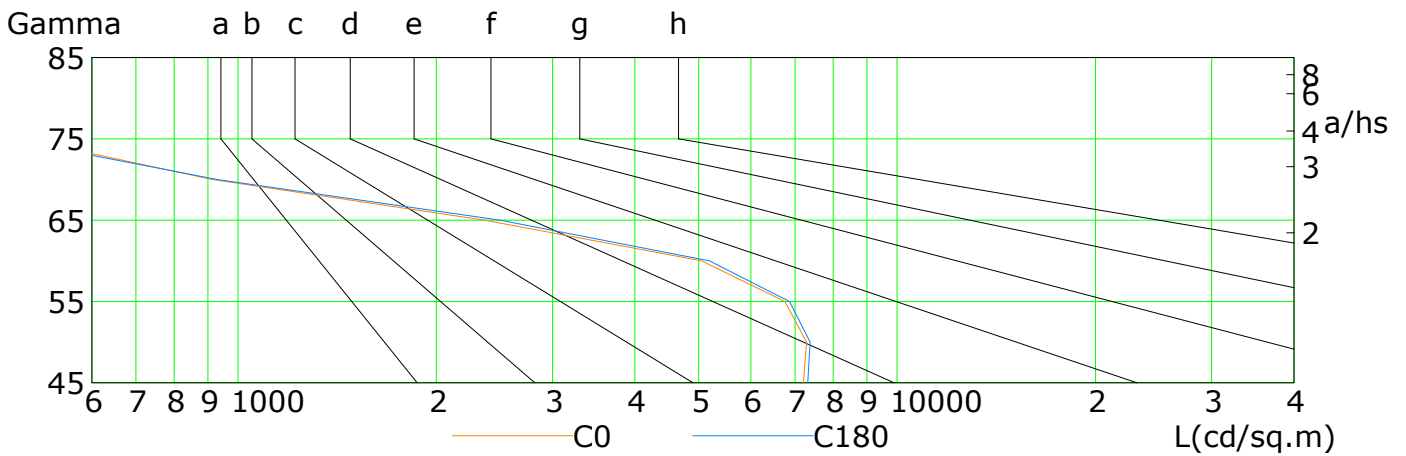
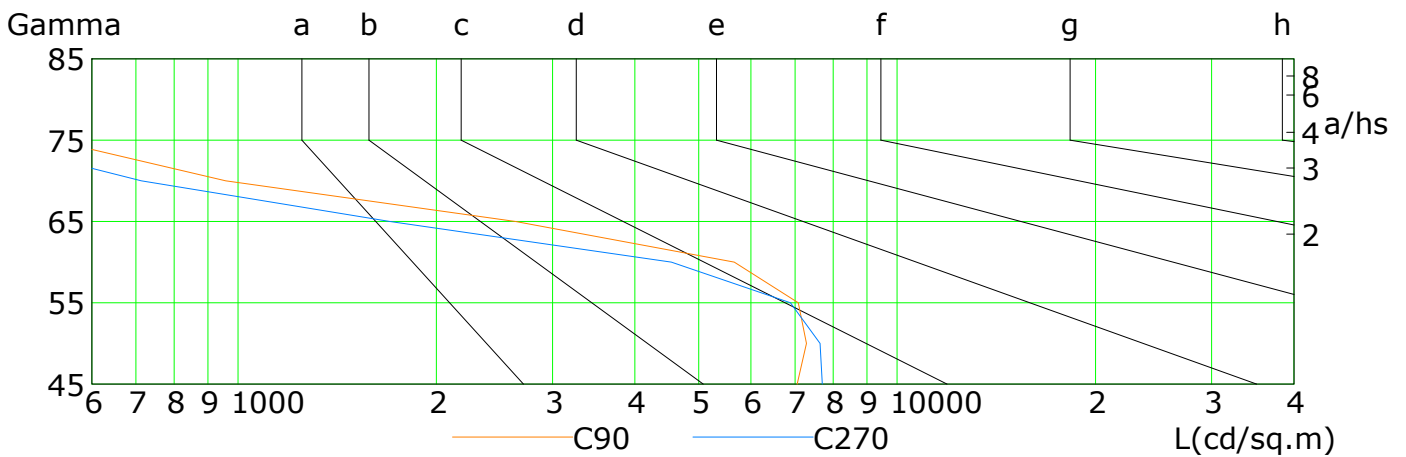
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

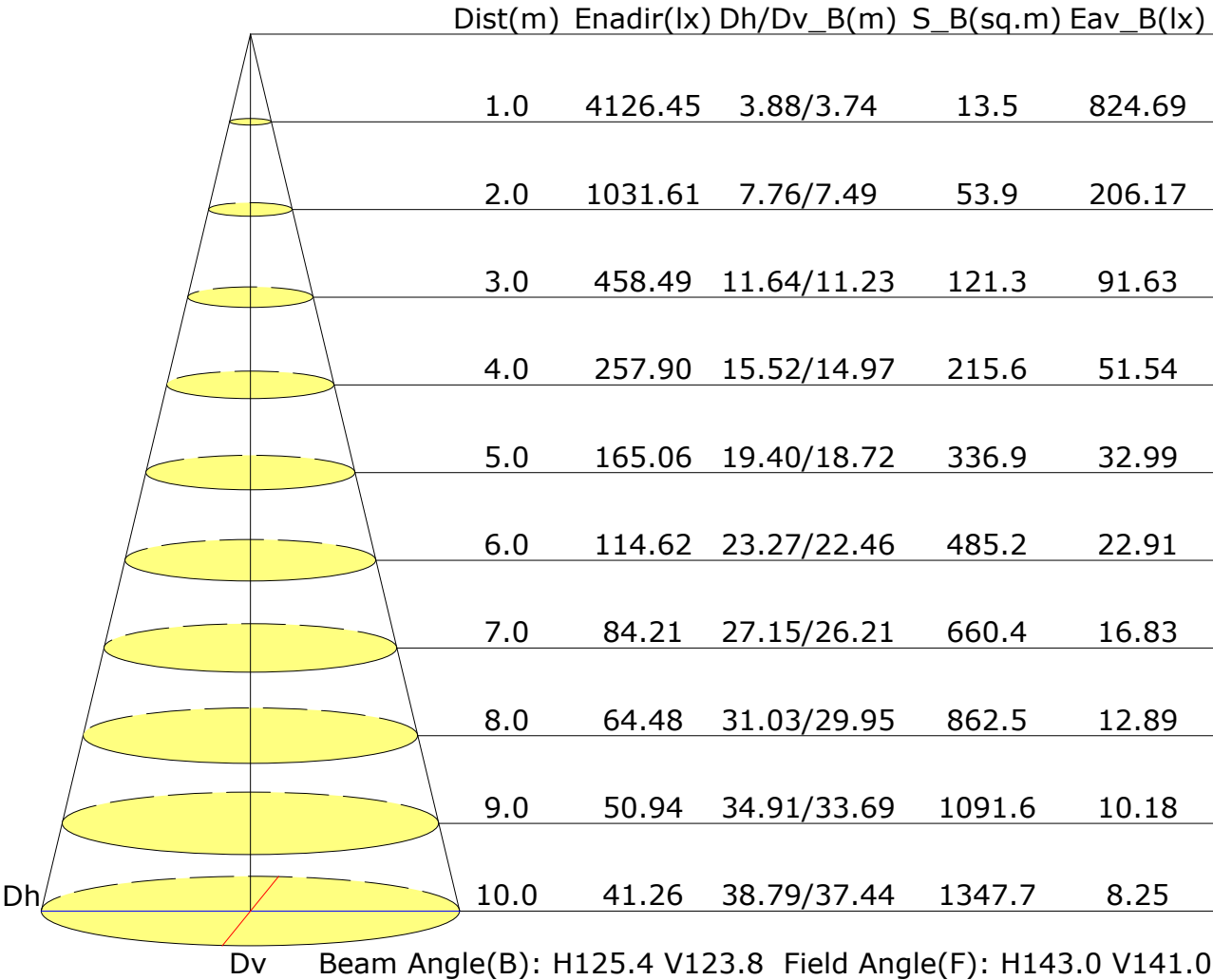


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7209	7291	6754	5051	2365	915	472	245	109
C90	7051	7283	7081	5660	2636	958	523	284	134
C180	7316	7378	6866	5187	2499	930	445	209	68
C270	7698	7638	6888	4543	1699	713	408	222	102

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

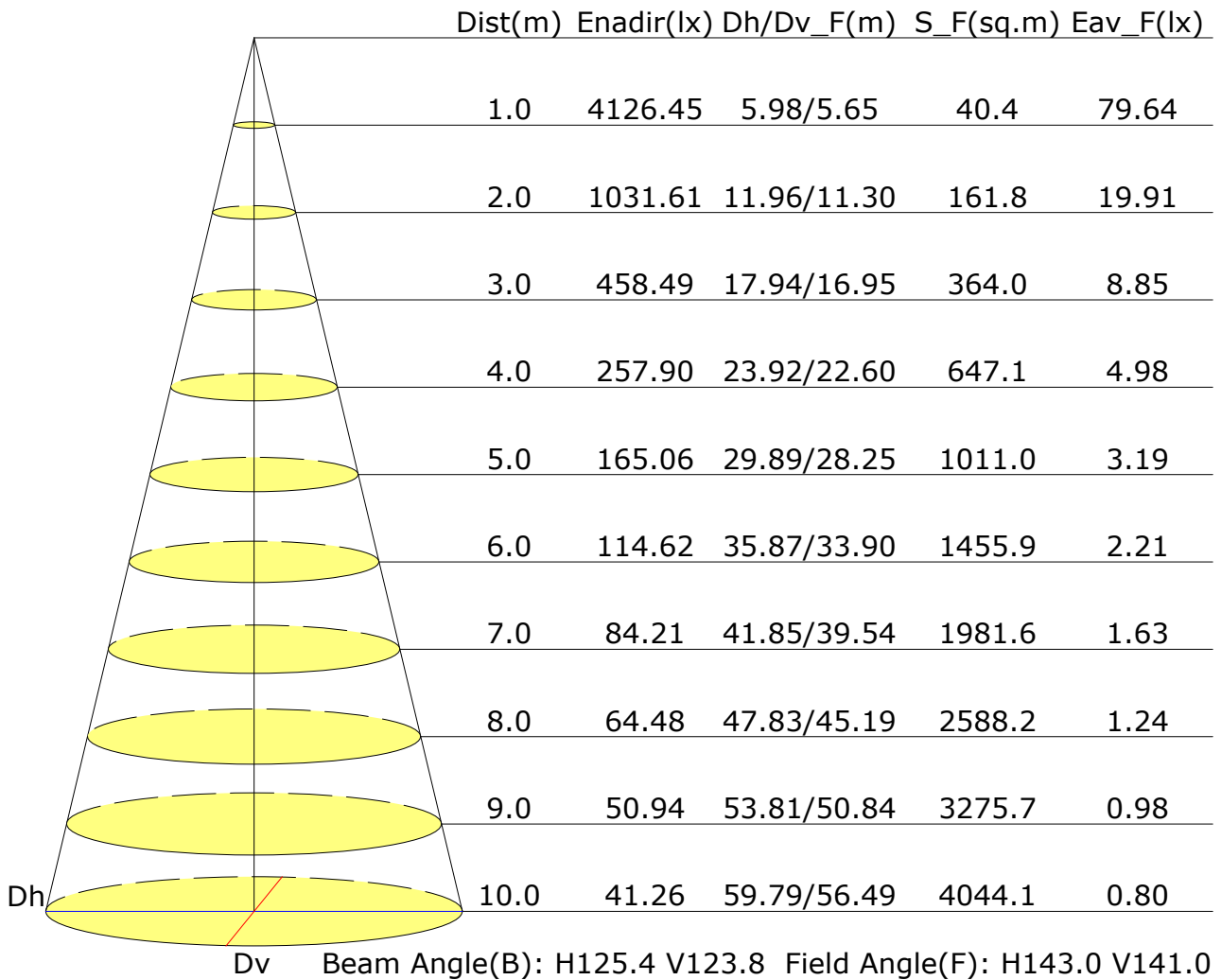
Illuminance at a Distance(Beam Angle)



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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

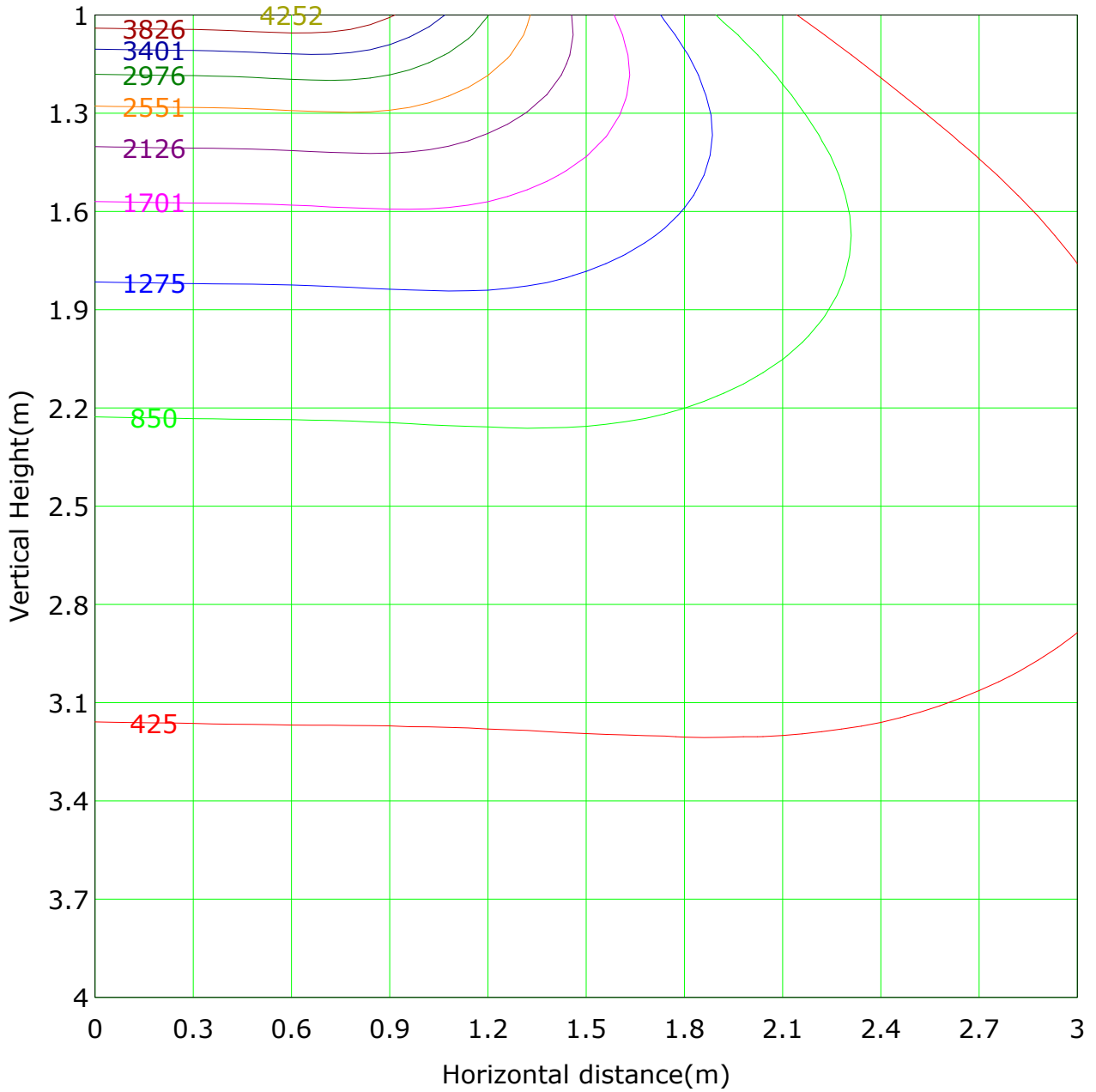
Illuminance at a Distance(Field Angle)



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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 4.0m Max Lux: 4251.6 lx	
— (10%): 425.2 lx	— (20%): 850.3 lx
— (30%):1275.5 lx	— (40%):1700.7 lx
— (50%):2125.8 lx	— (60%):2551.0 lx
— (70%):2976.2 lx	— (80%):3401.3 lx
— (90%):3826.5 lx	— (100%):4251.6 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-1800B
 Distance: 11.967 m
 Humidity:
 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(E)	0.0	0.2	0.5	1.1	1.9	2.9	3.7	3.8	3.5	3.6	4.0	4.0	3.4	2.4	1.5	0.8	0.3	0.1	37.6	0.0
Flux(T)	3.4	46.0	320.3	1129.0	877.0	2294.3	446.1	2418.3	3327.2	2325.9	2412.0	431.9	2264.5	843.0	098.1	310.5	49.6	5.0	25603	
Flux(E)	0.0	4.6	285.6	100.7	848.9	264.0	414.7	385.2	291.0	289.0	379.2	399.7	234.2	812.1	1067.3	272.9	4.5	0.0		25055

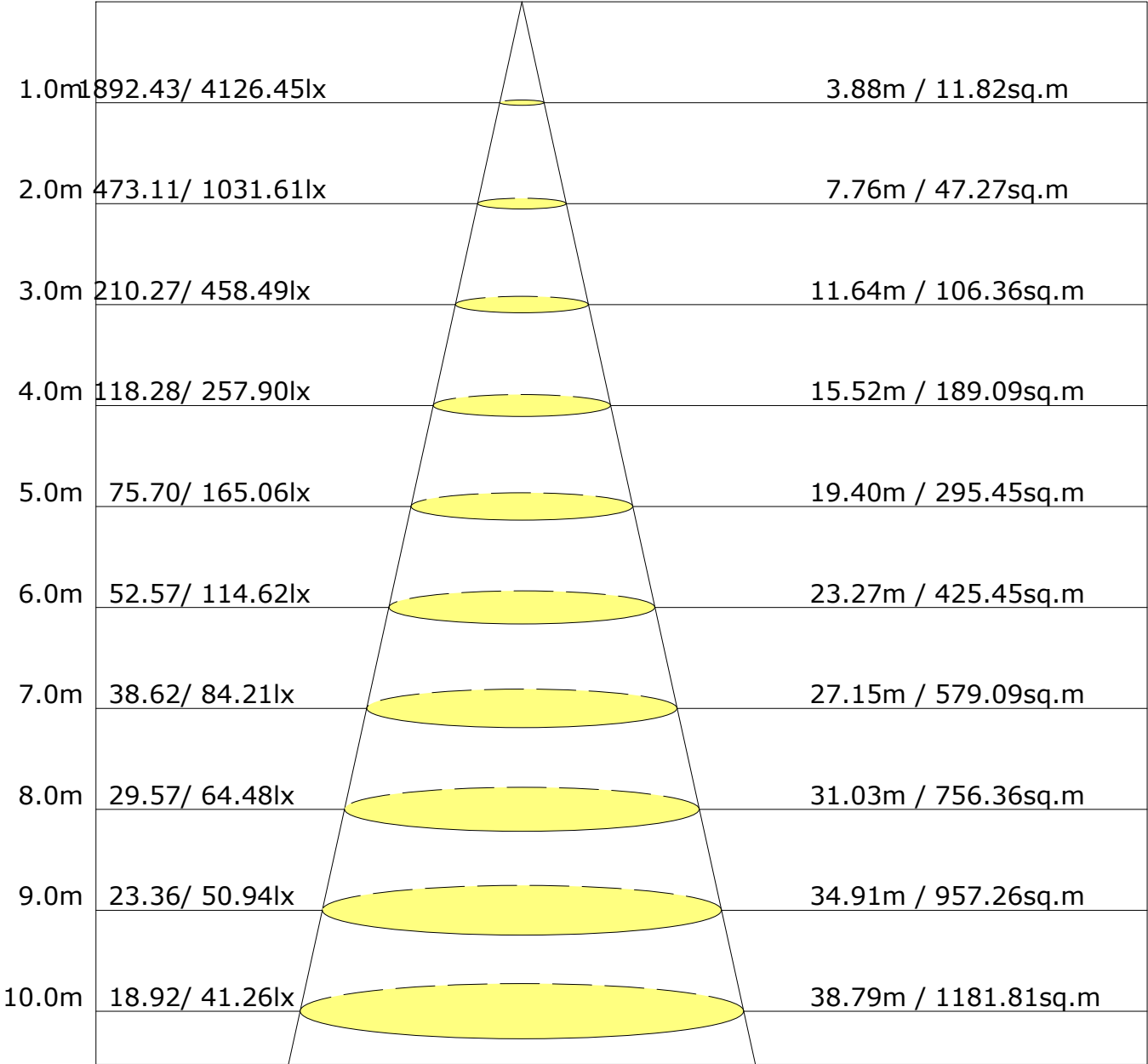
Horizontal plane

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 22364.89lm



Height Avg./Nadir. E Beam Angle:125.4° Diameter / Area

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

UGR Table

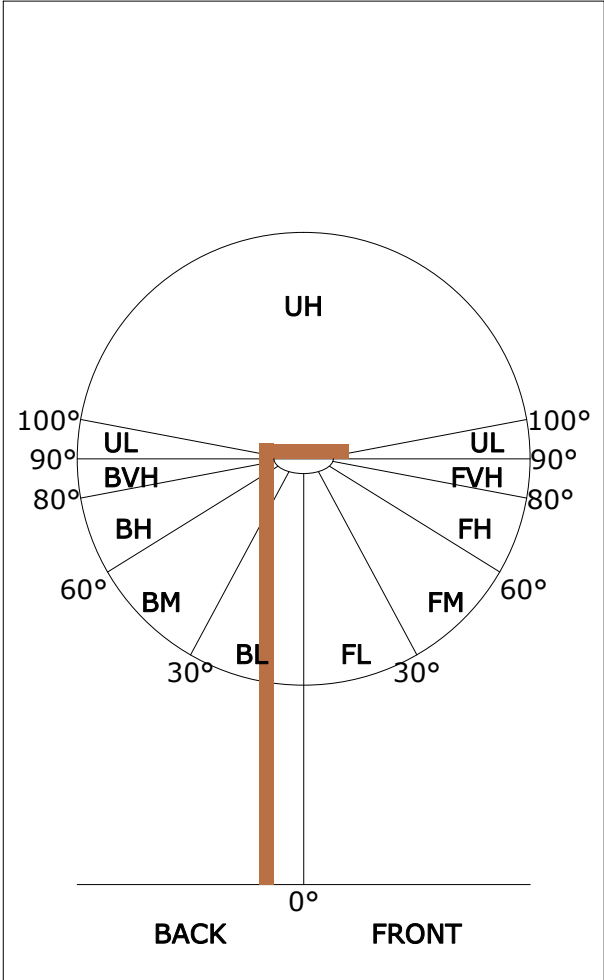
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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 25875lm ($8\log(F/F_0) = 11.3$).

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



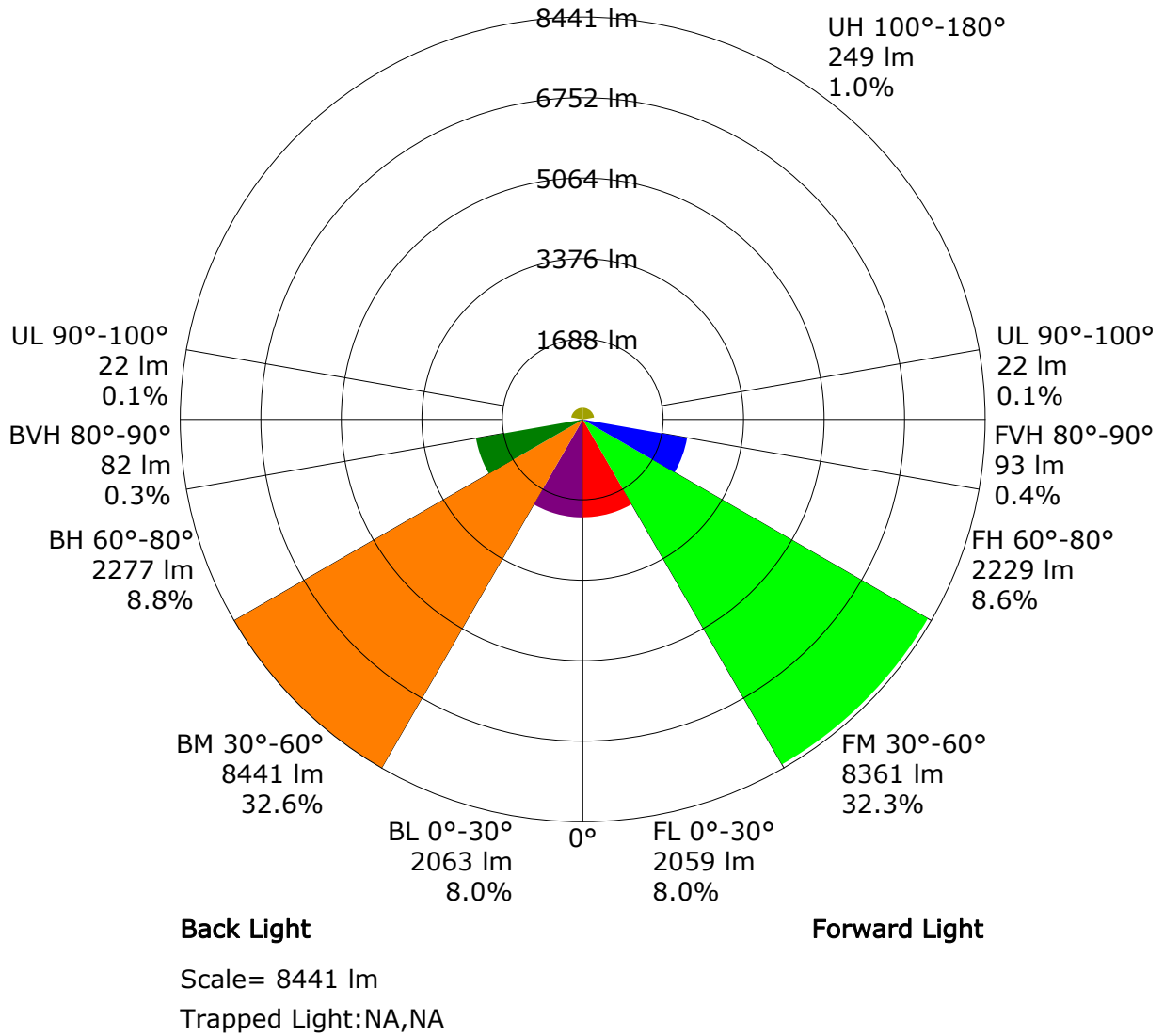
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	12742	49.2
FL (0°-30°)	2059	8.0
FM (30°-60°)	8361	32.3
FH (60°-80°)	2229	8.6
FVH (80°-90°)	93	0.4
BACK LIGHT	12862	49.7
BL (0°-30°)	2063	8.0
BM (30°-60°)	8441	32.6
BH (60°-80°)	2277	8.8
BVH (80°-90°)	82	0.3
UP LIGHT	271	1.0
UL (90°-100°)	22	0.1
UH (100°-180°)	249	1.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B4 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U3 G2

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

LCS Graph



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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 2.25									
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	NA	NA	0.78	0.83	0.90	0.95	0.98	1.02	1.05	
	0.30		NA	NA	0.71	0.77	0.85	0.90	0.94	0.99	1.02	
	0.20		NA	NA	0.66	0.72	0.80	0.86	0.90	0.96	0.99	
0.50	0.50	0.20	NA	NA	0.75	0.80	0.87	0.92	0.95	0.98	1.01	
	0.30		NA	NA	0.69	0.75	0.83	0.88	0.91	0.95	0.98	
	0.20		NA	NA	0.65	0.70	0.79	0.84	0.88	0.93	0.96	
0.30	0.50	0.20	NA	NA	0.73	0.78	0.84	0.88	0.91	0.94	0.97	
	0.30		NA	NA	0.68	0.73	0.80	0.85	0.88	0.92	0.95	
	0.20		NA	NA	0.64	0.69	0.77	0.82	0.86	0.90	0.93	
0.00	0.00	0.00	NA	NA	0.61	0.66	0.74	0.78	0.81	0.85	0.88	
<p>Rating:200W 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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 2.25									
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	NA	NA	0.64	0.55	0.43	0.35	0.30	0.23	0.18	
	0.30		NA	NA	0.56	0.49	0.39	0.32	0.27	0.22	0.17	
	0.20		NA	NA	0.50	0.44	0.35	0.30	0.26	0.20	0.17	
0.50	0.50	0.20	NA	NA	0.61	0.53	0.41	0.36	0.28	0.22	0.17	
	0.30		NA	NA	0.54	0.47	0.37	0.31	0.26	0.20	0.17	
	0.20		NA	NA	0.48	0.43	0.34	0.28	0.25	0.19	0.16	
0.30	0.50	0.20	NA	NA	0.58	0.50	0.39	0.31	0.26	0.20	0.16	
	0.30		NA	NA	0.52	0.45	0.36	0.29	0.25	0.19	0.16	
	0.20		NA	NA	0.47	0.42	0.33	0.27	0.24	0.19	0.15	
0.00	0.00	0.00	0.99	0.99	0.38	0.33	0.25	0.20	0.17	0.14	0.11	
<p>Rating:200W 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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 2.25								
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	NA	NA	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		NA	NA	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		NA	NA	0.09	0.10	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	NA	NA	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		NA	NA	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		NA	NA	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	NA	NA	0.18	0.18	0.19	0.19	0.20	0.20	0.21
	0.30		NA	NA	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		NA	NA	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<p>Rating:200W 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-1800B
Distance: 11.967 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	4136.0	4.0	4.0	0.02	0.02
1.0-2.0	4139.0	11.9	15.8	0.05	0.06
2.0-3.0	4144.9	19.8	35.7	0.08	0.14
3.0-4.0	4153.8	27.8	63.5	0.11	0.25
4.0-5.0	4165.6	35.8	99.3	0.14	0.38
5.0-6.0	4180.4	43.9	143.3	0.17	0.55
6.0-7.0	4198.5	52.1	195.4	0.20	0.76
7.0-8.0	4218.9	60.4	255.8	0.23	0.99
8.0-9.0	4242.1	68.8	324.5	0.27	1.25
9.0-10.0	4269.1	77.3	401.8	0.30	1.55
10.0-11.0	4299.3	85.9	487.7	0.33	1.88
11.0-12.0	4332.5	94.7	582.4	0.37	2.25
12.0-13.0	4369.3	103.7	686.1	0.40	2.65
13.0-14.0	4409.1	112.9	799.0	0.44	3.09
14.0-15.0	4452.8	122.3	921.3	0.47	3.56
15.0-16.0	4501.1	131.9	1053.2	0.51	4.07
16.0-17.0	4554.4	141.8	1195.0	0.55	4.62
17.0-18.0	4612.5	152.1	1347.1	0.59	5.21
18.0-19.0	4675.2	162.7	1509.8	0.63	5.83
19.0-20.0	4742.8	173.6	1683.4	0.67	6.51
20.0-21.0	4815.6	184.9	1868.3	0.71	7.22
21.0-22.0	4893.5	196.7	2065.0	0.76	7.98
22.0-23.0	4976.6	208.8	2273.9	0.81	8.79
23.0-24.0	5066.7	221.6	2495.4	0.86	9.64
24.0-25.0	5162.9	234.8	2730.2	0.91	10.55
25.0-26.0	5263.3	248.5	2978.7	0.96	11.51
26.0-27.0	5370.4	262.8	3241.5	1.02	12.53
27.0-28.0	5483.9	277.7	3519.1	1.07	13.60
28.0-29.0	5603.3	293.2	3812.3	1.13	14.73
29.0-30.0	5729.6	309.4	4121.7	1.20	15.93
30.0-31.0	5860.2	326.2	4447.9	1.26	17.19
31.0-32.0	5995.4	343.5	4791.4	1.33	18.52
32.0-33.0	6135.8	361.5	5152.9	1.40	19.91
33.0-34.0	6278.0	380.0	5532.9	1.47	21.38
34.0-35.0	6421.0	398.8	5931.8	1.54	22.92
35.0-36.0	6565.7	418.1	6349.9	1.62	24.54

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-1800B

Distance: 11.967 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	6709.6	437.7	6787.5	1.69	26.23
37.0-38.0	6850.5	457.3	7244.8	1.77	28.00
38.0-39.0	6990.0	477.2	7722.0	1.84	29.84
39.0-40.0	7125.2	497.0	8219.0	1.92	31.76
40.0-41.0	7254.2	516.6	8735.7	2.00	33.76
41.0-42.0	7378.3	536.1	9271.8	2.07	35.83
42.0-43.0	7495.3	555.3	9827.1	2.15	37.98
43.0-44.0	7602.6	573.9	10401.0	2.22	40.20
44.0-45.0	7700.9	591.9	10992.9	2.29	42.48
45.0-46.0	7789.7	609.3	11602.1	2.35	44.84
46.0-47.0	7866.7	625.8	12227.9	2.42	47.26
47.0-48.0	7931.0	641.2	12869.1	2.48	49.74
48.0-49.0	7980.3	655.4	13524.6	2.53	52.27
49.0-50.0	8012.3	668.1	14192.7	2.58	54.85
50.0-51.0	8023.7	678.9	14871.6	2.62	57.47
51.0-52.0	8012.1	687.6	15559.2	2.66	60.13
52.0-53.0	7973.0	693.6	16252.9	2.68	62.81
53.0-54.0	7901.9	696.6	16949.4	2.69	65.50
54.0-55.0	7793.2	695.8	17645.2	2.69	68.19
55.0-56.0	7638.6	690.3	18335.5	2.67	70.86
56.0-57.0	7430.4	679.5	19015.0	2.63	73.49
57.0-58.0	7163.1	662.5	19677.5	2.56	76.05
58.0-59.0	6829.3	638.5	20316.0	2.47	78.51
59.0-60.0	6427.1	607.3	20923.3	2.35	80.86
60.0-61.0	5963.0	569.1	21492.4	2.20	83.06
61.0-62.0	5447.8	525.0	22017.5	2.03	85.09
62.0-63.0	4903.1	476.9	22494.4	1.84	86.93
63.0-64.0	4353.6	427.3	22921.6	1.65	88.58
64.0-65.0	3820.5	378.1	23299.8	1.46	90.05
65.0-66.0	3316.6	331.0	23630.8	1.28	91.33
66.0-67.0	2852.7	286.9	23917.6	1.11	92.43
67.0-68.0	2431.2	246.3	24163.9	0.95	93.39
68.0-69.0	2061.8	210.4	24374.3	0.81	94.20
69.0-70.0	1749.4	179.7	24554.0	0.69	94.89
70.0-71.0	1481.0	153.1	24707.1	0.59	95.48
71.0-72.0	1257.5	130.8	24837.9	0.51	95.99

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-1800B

Distance: 11.967 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	1078.0	112.7	24950.6	0.44	96.43
73.0-74.0	932.1	98.0	25048.6	0.38	96.80
74.0-75.0	811.1	85.7	25134.3	0.33	97.14
75.0-76.0	709.2	75.3	25209.6	0.29	97.43
76.0-77.0	621.1	66.2	25275.9	0.26	97.68
77.0-78.0	543.3	58.2	25334.0	0.22	97.91
78.0-79.0	473.7	50.9	25384.9	0.20	98.10
79.0-80.0	411.2	44.3	25429.3	0.17	98.28
80.0-81.0	353.9	38.3	25467.5	0.15	98.42
81.0-82.0	299.4	32.5	25500.0	0.13	98.55
82.0-83.0	246.5	26.8	25526.8	0.10	98.65
83.0-84.0	197.8	21.6	25548.3	0.08	98.74
84.0-85.0	156.4	17.1	25565.4	0.07	98.80
85.0-86.0	121.6	13.3	25578.7	0.05	98.85
86.0-87.0	91.8	10.0	25588.8	0.04	98.89
87.0-88.0	65.9	7.2	25596.0	0.03	98.92
88.0-89.0	45.3	5.0	25600.9	0.02	98.94
89.0-90.0	30.7	3.4	25604.3	0.01	98.95
90.0-91.0	22.0	2.4	25606.7	0.01	98.96
91.0-92.0	18.3	2.0	25608.7	0.01	98.97
92.0-93.0	17.1	1.9	25610.6	0.01	98.98
93.0-94.0	17.4	1.9	25612.5	0.01	98.98
94.0-95.0	18.6	2.0	25614.5	0.01	98.99
95.0-96.0	20.1	2.2	25616.7	0.01	99.00
96.0-97.0	21.0	2.3	25619.0	0.01	99.01
97.0-98.0	22.2	2.4	25621.4	0.01	99.02
98.0-99.0	23.5	2.6	25624.0	0.01	99.03
99.0-100.0	24.8	2.7	25626.7	0.01	99.04
100.0-101.0	25.9	2.8	25629.5	0.01	99.05
101.0-102.0	27.0	2.9	25632.4	0.01	99.06
102.0-103.0	28.3	3.0	25635.4	0.01	99.07
103.0-104.0	29.6	3.2	25638.5	0.01	99.08
104.0-105.0	30.8	3.3	25641.8	0.01	99.10
105.0-106.0	32.0	3.4	25645.2	0.01	99.11
106.0-107.0	33.0	3.5	25648.7	0.01	99.12
107.0-108.0	34.1	3.6	25652.2	0.01	99.14

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-1800B

Distance: 11.967 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	35.4	3.7	25655.9	0.01	99.15
109.0-110.0	36.6	3.8	25659.7	0.01	99.17
110.0-111.0	37.7	3.9	25663.6	0.01	99.18
111.0-112.0	38.6	3.9	25667.5	0.02	99.20
112.0-113.0	39.7	4.0	25671.5	0.02	99.21
113.0-114.0	40.9	4.1	25675.6	0.02	99.23
114.0-115.0	41.7	4.2	25679.8	0.02	99.24
115.0-116.0	42.4	4.2	25684.0	0.02	99.26
116.0-117.0	43.2	4.2	25688.2	0.02	99.28
117.0-118.0	44.2	4.3	25692.5	0.02	99.29
118.0-119.0	44.8	4.3	25696.8	0.02	99.31
119.0-120.0	45.3	4.3	25701.2	0.02	99.33
120.0-121.0	46.2	4.4	25705.5	0.02	99.34
121.0-122.0	47.0	4.4	25709.9	0.02	99.36
122.0-123.0	47.5	4.4	25714.3	0.02	99.38
123.0-124.0	47.8	4.4	25718.7	0.02	99.39
124.0-125.0	48.6	4.4	25723.1	0.02	99.41
125.0-126.0	49.5	4.4	25727.5	0.02	99.43
126.0-127.0	50.1	4.4	25731.9	0.02	99.45
127.0-128.0	50.4	4.4	25736.3	0.02	99.46
128.0-129.0	51.1	4.4	25740.7	0.02	99.48
129.0-130.0	51.8	4.4	25745.1	0.02	99.50
130.0-131.0	52.2	4.3	25749.4	0.02	99.51
131.0-132.0	52.5	4.3	25753.7	0.02	99.53
132.0-133.0	53.0	4.3	25758.0	0.02	99.55
133.0-134.0	53.7	4.3	25762.3	0.02	99.56
134.0-135.0	54.2	4.2	25766.5	0.02	99.58
135.0-136.0	54.6	4.2	25770.7	0.02	99.60
136.0-137.0	55.2	4.2	25774.9	0.02	99.61
137.0-138.0	55.7	4.1	25779.0	0.02	99.63
138.0-139.0	56.4	4.1	25783.1	0.02	99.64
139.0-140.0	56.9	4.1	25787.2	0.02	99.66
140.0-141.0	57.4	4.0	25791.2	0.02	99.67
141.0-142.0	57.8	3.9	25795.1	0.02	99.69
142.0-143.0	58.1	3.9	25799.0	0.01	99.70
143.0-144.0	58.7	3.8	25802.8	0.01	99.72

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-1800B

Distance: 11.967 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	59.3	3.8	25806.6	0.01	99.73
145.0-146.0	59.9	3.7	25810.3	0.01	99.75
146.0-147.0	60.5	3.7	25814.0	0.01	99.76
147.0-148.0	60.8	3.6	25817.6	0.01	99.78
148.0-149.0	61.2	3.5	25821.1	0.01	99.79
149.0-150.0	61.6	3.4	25824.5	0.01	99.80
150.0-151.0	61.8	3.3	25827.8	0.01	99.82
151.0-152.0	61.7	3.2	25831.1	0.01	99.83
152.0-153.0	61.7	3.1	25834.2	0.01	99.84
153.0-154.0	61.6	3.0	25837.2	0.01	99.85
154.0-155.0	61.8	2.9	25840.1	0.01	99.86
155.0-156.0	62.0	2.8	25842.9	0.01	99.87
156.0-157.0	61.5	2.7	25845.6	0.01	99.89
157.0-158.0	61.2	2.6	25848.2	0.01	99.89
158.0-159.0	61.1	2.5	25850.7	0.01	99.90
159.0-160.0	61.0	2.3	25853.0	0.01	99.91
160.0-161.0	60.8	2.2	25855.2	0.01	99.92
161.0-162.0	60.5	2.1	25857.3	0.01	99.93
162.0-163.0	59.9	2.0	25859.3	0.01	99.94
163.0-164.0	59.6	1.9	25861.2	0.01	99.95
164.0-165.0	59.5	1.7	25862.9	0.01	99.95
165.0-166.0	59.3	1.6	25864.5	0.01	99.96
166.0-167.0	59.2	1.5	25866.1	0.01	99.96
167.0-168.0	58.9	1.4	25867.5	0.01	99.97
168.0-169.0	58.8	1.3	25868.7	0.00	99.97
169.0-170.0	58.5	1.2	25869.9	0.00	99.98
170.0-171.0	58.0	1.1	25871.0	0.00	99.98
171.0-172.0	58.0	0.9	25871.9	0.00	99.99
172.0-173.0	57.6	0.8	25872.7	0.00	99.99
173.0-174.0	57.2	0.7	25873.4	0.00	99.99
174.0-175.0	57.0	0.6	25874.0	0.00	99.99
175.0-176.0	56.9	0.5	25874.5	0.00	100.00
176.0-177.0	56.9	0.4	25874.9	0.00	100.00
177.0-178.0	56.8	0.3	25875.2	0.00	100.00
178.0-179.0	56.5	0.2	25875.3	0.00	100.00
179.0-180.0	56.4	0.1	25875.4	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-1800B

Distance: 11.967 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	4126.5	4128.4	4135.9	4137.6	4141.9	4141.1	4126.5	4128.4	4135.9	4137.6
G1.0	4131.2	4126.2	4129.4	4130.7	4134.2	4136.4	4128.4	4133.4	4142.6	4148.6
G2.0	4136.6	4127.2	4126.5	4126.5	4130.4	4135.9	4131.7	4139.6	4155.3	4163.8
G3.0	4145.6	4129.4	4126.0	4125.7	4131.2	4136.4	4137.9	4152.1	4169.0	4179.9
G4.0	4154.6	4134.9	4127.9	4126.7	4134.7	4140.6	4149.6	4166.5	4187.1	4197.3
G5.0	4168.5	4145.9	4133.9	4129.9	4141.6	4149.8	4161.8	4182.9	4207.0	4217.0
G6.0	4184.9	4155.3	4141.1	4137.9	4147.1	4164.3	4178.4	4204.8	4232.2	4243.4
G7.0	4207.5	4169.0	4152.1	4146.8	4158.8	4179.2	4197.6	4233.4	4258.5	4269.7
G8.0	4227.2	4183.9	4166.3	4158.8	4173.0	4197.6	4218.2	4262.0	4287.6	4296.6
G9.0	4250.1	4201.6	4183.2	4173.2	4189.6	4217.5	4245.6	4293.1	4320.0	4329.4
G10.0	4277.2	4224.2	4203.1	4191.9	4211.3	4241.4	4274.5	4331.2	4357.0	4365.8
G11.0	4308.8	4248.8	4225.7	4210.0	4236.6	4268.2	4305.3	4370.7	4397.8	4403.3
G12.0	4340.6	4281.9	4250.3	4230.9	4264.0	4297.8	4338.4	4413.8	4445.9	4444.9
G13.0	4374.2	4313.8	4280.4	4255.3	4291.6	4329.7	4378.9	4464.3	4492.9	4491.1
G14.0	4413.0	4348.6	4313.3	4283.9	4322.0	4364.5	4418.5	4517.3	4546.6	4537.6
G15.0	4454.3	4387.9	4347.8	4315.3	4357.5	4407.5	4462.5	4575.0	4605.3	4591.1
G16.0	4498.6	4432.2	4388.9	4346.9	4397.6	4451.8	4508.0	4634.9	4674.7	4654.1
G17.0	4553.3	4480.9	4434.2	4382.7	4446.1	4502.1	4560.8	4710.0	4743.1	4718.0
G18.0	4605.1	4537.9	4482.4	4422.7	4492.6	4555.8	4621.2	4782.2	4817.0	4786.7
G19.0	4663.5	4594.1	4544.9	4467.3	4545.6	4614.0	4680.9	4859.0	4895.9	4869.7
G20.0	4727.0	4654.8	4605.1	4520.0	4603.6	4682.7	4742.6	4942.6	4982.4	4947.6
G21.0	4799.8	4728.0	4667.3	4572.5	4671.2	4748.1	4811.3	5030.2	5082.2	5034.2
G22.0	4873.5	4799.3	4736.9	4629.7	4739.1	4820.7	4892.4	5131.7	5177.5	5126.5
G23.0	4950.3	4876.0	4817.0	4691.6	4812.5	4898.9	4971.2	5230.9	5278.7	5227.2
G24.0	5042.9	4958.0	4896.4	4764.0	4897.6	4989.6	5057.8	5333.7	5386.9	5338.7
G25.0	5133.4	5053.3	4980.2	4839.4	4980.9	5078.2	5148.9	5443.1	5512.0	5451.6
G26.0	5228.5	5147.1	5069.5	4921.5	5069.8	5172.7	5244.1	5571.0	5633.4	5567.8
G27.0	5328.7	5244.6	5179.0	5016.5	5164.8	5272.0	5356.8	5693.9	5761.0	5688.7
G28.0	5434.2	5348.4	5279.7	5111.5	5266.5	5378.7	5464.8	5822.3	5893.1	5825.7
G29.0	5543.4	5459.3	5388.4	5211.3	5375.5	5504.6	5578.0	5969.8	6045.9	5959.8
G30.0	5670.8	5584.7	5502.6	5314.3	5502.3	5623.0	5710.8	6114.0	6190.9	6092.6
G31.0	5786.4	5706.6	5635.2	5424.2	5623.5	5749.1	5836.4	6259.8	6341.2	6228.0
G32.0	5903.4	5829.7	5763.5	5551.4	5753.6	5879.5	5967.0	6412.3	6495.4	6380.7
G33.0	6035.2	5956.6	5895.4	5671.0	5903.4	6024.5	6098.6	6570.3	6668.3	6518.3
G34.0	6154.6	6103.1	6032.2	5793.9	6044.4	6166.5	6229.0	6743.7	6824.3	6651.4
G35.0	6273.5	6238.4	6171.3	5921.8	6188.9	6308.6	6375.2	6904.4	6981.0	6782.5
G36.0	6391.7	6374.0	6326.7	6059.8	6333.7	6468.8	6501.6	7062.1	7138.7	6909.3

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-1800B

Distance: 11.967 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	6513.8	6510.1	6470.8	6185.2	6498.6	6613.8	6627.5	7221.5	7291.2	7040.9
G38.0	6624.8	6643.2	6621.3	6310.1	6652.4	6759.6	6745.6	7374.8	7456.4	7155.6
G39.0	6726.7	6789.7	6781.0	6431.5	6802.1	6903.9	6866.5	7541.4	7600.4	7262.8
G40.0	6825.3	6922.3	6929.0	6560.3	6953.6	7048.1	6965.3	7686.5	7739.5	7361.3
G41.0	6914.8	7052.9	7075.0	6675.8	7103.4	7189.7	7055.9	7821.0	7883.5	7460.1
G42.0	7000.4	7178.0	7218.3	6780.0	7264.6	7336.2	7135.2	7961.6	8008.1	7541.2
G43.0	7082.5	7311.1	7358.4	6877.0	7407.6	7465.3	7210.3	8081.3	8122.0	7605.1
G44.0	7150.4	7424.3	7493.2	6966.8	7542.9	7587.0	7269.8	8188.0	8231.0	7657.1
G45.0	7208.6	7531.7	7632.2	7051.4	7673.0	7707.9	7316.3	8283.0	8327.5	7698.2
G46.0	7260.6	7632.0	7753.6	7117.8	7809.9	7812.3	7351.6	8366.1	8418.3	7720.3
G47.0	7292.4	7732.5	7870.5	7174.5	7929.0	7907.6	7380.5	8446.7	8488.0	7727.5
G48.0	7309.8	7814.6	7986.7	7221.3	8035.5	7989.7	7393.7	8500.9	8539.7	7718.3
G49.0	7308.1	7879.5	8078.0	7262.6	8135.0	8065.3	7393.2	8543.5	8570.3	7689.2
G50.0	7290.7	7931.5	8152.6	7283.2	8224.3	8118.8	7377.8	8566.3	8574.8	7637.7
G51.0	7241.7	7966.3	8208.1	7288.9	8289.7	8152.6	7335.7	8568.6	8552.4	7564.8
G52.0	7169.0	7976.0	8243.2	7279.7	8333.5	8166.3	7273.8	8549.2	8498.4	7464.6
G53.0	7066.5	7959.1	8250.2	7244.4	8349.2	8155.1	7183.5	8503.4	8401.9	7316.6
G54.0	6930.0	7915.3	8230.3	7177.8	8338.0	8115.3	7053.6	8426.0	8275.5	7131.5
G55.0	6754.4	7832.5	8181.0	7081.0	8291.2	8049.2	6866.0	8295.7	8109.9	6887.9
G56.0	6507.1	7691.4	8097.4	6943.7	8210.1	7944.7	6637.4	8118.3	7888.0	6574.8
G57.0	6228.7	7516.8	7965.1	6748.9	8093.4	7798.6	6358.3	7878.5	7604.4	6147.6
G58.0	5901.9	7276.3	7792.9	6456.1	7924.0	7572.3	6030.2	7578.5	7224.3	5695.1
G59.0	5480.5	6940.7	7562.1	6112.8	7667.8	7296.2	5648.4	7164.8	6803.4	5154.6
G60.0	5050.6	6574.3	7221.8	5660.3	7353.4	6947.6	5187.4	6726.7	6330.7	4543.1
G61.0	4576.0	6153.9	6828.0	5087.9	6952.6	6530.0	4730.9	6235.7	5814.5	3841.9
G62.0	4034.2	5694.6	6365.3	4374.7	6476.2	6009.3	4222.7	5717.5	5229.7	3250.6
G63.0	3408.0	5225.2	5847.4	3740.1	5883.0	5508.6	3645.6	5136.2	4701.8	2710.3
G64.0	2862.7	4700.8	5288.7	3165.0	5302.8	4994.1	3002.8	4616.3	4193.9	2200.3
G65.0	2365.5	4221.2	4667.3	2636.1	4722.7	4491.9	2498.6	4113.5	3711.0	1699.0
G66.0	1925.2	3760.3	4123.0	2093.6	4167.0	3959.5	2040.8	3618.5	3193.3	1342.6
G67.0	1567.2	3305.5	3613.0	1671.2	3646.8	3486.4	1610.7	3104.3	2740.6	1103.0
G68.0	1270.7	2842.8	3088.9	1360.2	3108.5	3033.1	1312.2	2663.7	2318.7	934.3
G69.0	1066.4	2459.0	2638.4	1115.4	2652.5	2606.0	1093.6	2263.2	1948.8	803.0
G70.0	914.9	2102.5	2225.4	957.7	2232.9	2186.6	929.9	1915.5	1618.9	713.5
G71.0	796.5	1790.1	1870.2	837.3	1840.1	1855.3	790.1	1591.1	1376.6	636.1
G72.0	689.3	1506.0	1561.7	741.1	1557.0	1582.6	683.6	1357.7	1183.4	570.4
G73.0	610.0	1289.6	1338.6	654.0	1327.6	1350.5	588.6	1165.7	1027.9	506.7

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-1800B

Distance: 11.967 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	538.8	1111.0	1160.0	584.6	1144.1	1146.5	516.4	992.1	891.1	456.0
G75.0	472.4	966.7	1018.2	523.4	986.3	991.1	445.3	854.0	786.3	407.7
G76.0	416.7	832.3	900.0	465.9	872.4	859.7	386.6	735.1	695.3	362.4
G77.0	367.7	725.9	794.8	414.7	770.9	743.5	337.1	634.1	607.2	319.9
G78.0	323.9	633.8	693.8	361.7	682.6	643.8	286.1	537.3	536.3	283.6
G79.0	283.1	553.5	613.4	319.7	596.5	545.5	241.8	456.2	472.6	253.0
G80.0	245.3	473.6	539.3	284.1	522.7	464.2	209.0	386.8	410.5	221.9
G81.0	212.7	405.7	463.4	250.8	455.0	390.3	175.9	319.9	352.3	193.8
G82.0	182.8	339.6	395.3	215.4	389.6	319.7	147.0	258.0	278.9	168.7
G83.0	154.5	275.9	321.9	185.8	313.7	245.3	117.2	195.0	222.9	145.3
G84.0	130.4	218.9	260.5	159.0	239.8	188.8	92.3	147.0	173.1	124.6
G85.0	109.0	175.4	204.0	134.1	183.3	140.1	68.4	106.5	134.3	102.2
G86.0	87.6	139.6	159.9	108.2	139.1	100.8	47.5	74.9	101.0	80.8
G87.0	67.4	110.9	120.9	84.8	98.3	65.7	28.9	45.8	73.4	61.0
G88.0	47.8	80.1	91.8	61.7	66.4	41.0	14.7	26.6	50.5	41.3
G89.0	30.1	56.5	64.2	41.5	43.8	24.6	12.2	21.1	34.6	25.9
G90.0	20.9	34.8	38.6	22.6	26.1	22.1	14.2	19.9	25.1	18.7
G91.0	17.7	22.6	24.6	19.1	19.9	18.9	14.7	16.7	20.6	17.7
G92.0	13.7	17.9	19.6	18.2	14.9	17.9	16.7	16.2	18.7	17.2
G93.0	15.7	16.7	15.4	16.9	11.2	19.1	15.7	16.4	19.9	17.4
G94.0	17.7	17.4	14.9	16.2	13.2	19.6	17.7	18.2	20.4	18.7
G95.0	21.6	18.7	18.7	17.9	13.7	20.4	17.2	18.9	21.6	19.9
G96.0	21.1	18.7	17.7	19.6	18.9	23.1	20.1	18.9	23.6	20.4
G97.0	21.6	19.6	17.2	20.9	19.9	24.6	19.4	21.1	23.9	19.9
G98.0	24.4	22.1	18.4	22.9	20.4	25.1	20.9	24.4	24.6	23.1
G99.0	24.4	21.1	19.6	22.6	21.1	25.9	21.6	25.1	27.6	23.6
G100.0	25.9	24.1	21.1	23.1	22.6	25.4	24.1	26.6	29.9	24.1
G101.0	26.4	25.1	22.1	25.1	24.4	26.9	22.1	27.4	29.9	26.1
G102.0	28.1	26.9	24.6	26.1	23.4	28.1	24.4	27.6	32.3	28.4
G103.0	29.1	26.6	27.4	26.1	26.1	29.9	25.6	28.9	31.3	28.1
G104.0	31.1	31.1	28.1	29.1	25.1	31.6	27.9	29.6	32.8	28.9
G105.0	32.3	32.8	29.4	29.4	27.4	31.8	27.1	31.1	34.1	30.4
G106.0	33.1	34.8	29.6	30.9	29.6	33.6	28.9	31.8	34.3	32.3
G107.0	33.8	34.6	32.6	31.8	29.6	34.8	30.1	31.8	36.3	33.1
G108.0	34.6	36.1	32.1	31.8	29.9	36.1	33.8	32.3	37.8	36.1
G109.0	36.3	38.6	31.8	34.1	31.8	38.3	34.3	32.8	38.3	36.3
G110.0	37.1	40.0	33.3	33.6	35.3	38.8	35.3	36.1	39.3	38.1

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-1800B

Distance: 11.967 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	38.1	40.5	35.8	34.8	34.6	39.8	35.8	35.3	40.5	38.8
G112.0	39.5	42.0	37.1	35.8	37.3	41.0	36.3	36.3	40.5	40.0
G113.0	41.0	42.8	36.8	38.3	37.8	42.8	40.0	38.6	42.3	41.8
G114.0	43.3	43.5	38.6	38.6	36.6	44.3	40.0	38.3	44.8	42.5
G115.0	45.0	44.5	39.8	40.0	38.6	43.3	39.3	38.3	44.8	42.8
G116.0	45.0	44.0	42.3	41.0	39.5	43.5	40.8	39.3	45.5	43.0
G117.0	46.5	44.5	42.0	43.0	41.0	44.5	42.0	40.0	45.0	44.8
G118.0	47.5	46.0	41.3	44.0	41.0	47.3	43.8	42.5	47.0	45.8
G119.0	46.5	46.3	43.0	44.8	42.0	45.5	43.0	42.0	47.0	45.3
G120.0	48.5	48.3	42.3	45.5	43.0	45.0	45.8	42.8	47.8	47.0
G121.0	51.0	49.0	44.0	47.5	43.0	45.8	45.8	44.3	47.0	46.3
G122.0	51.2	50.5	43.3	48.5	44.0	48.3	46.3	45.0	48.0	46.3
G123.0	51.2	52.0	44.3	47.5	44.3	47.3	46.5	45.5	46.8	48.0
G124.0	50.8	53.0	44.8	48.8	44.3	47.5	48.3	45.5	47.3	48.8
G125.0	52.0	52.2	45.8	48.8	46.8	48.5	49.3	45.5	47.5	51.2
G126.0	54.0	52.7	45.8	49.8	47.0	50.3	48.3	47.5	48.0	52.0
G127.0	53.5	54.0	46.3	50.8	48.0	51.0	49.5	46.5	48.8	52.0
G128.0	54.0	54.7	47.3	50.0	49.0	50.8	50.0	46.3	49.3	51.2
G129.0	54.5	53.7	47.3	53.0	50.3	52.2	50.3	50.0	49.5	52.0
G130.0	56.0	54.5	47.3	52.0	50.5	52.2	52.5	49.5	50.8	50.3
G131.0	56.7	55.2	46.8	52.2	51.7	52.7	52.2	51.5	50.0	51.0
G132.0	56.2	56.5	48.5	52.2	52.7	52.5	52.2	49.8	51.7	51.5
G133.0	58.0	56.2	48.5	54.0	52.2	53.0	53.0	51.7	52.0	52.2
G134.0	57.7	57.7	49.3	56.0	52.2	54.2	54.2	52.2	53.0	51.0
G135.0	57.0	57.7	50.8	52.5	52.7	56.0	53.5	53.5	54.7	51.5
G136.0	58.2	58.0	51.5	53.5	53.0	54.0	56.5	53.2	53.7	52.0
G137.0	57.5	58.5	52.7	55.0	53.7	56.5	55.7	52.7	55.2	53.0
G138.0	58.5	60.0	56.7	55.0	54.0	57.0	54.5	54.5	54.2	51.7
G139.0	58.0	60.0	58.7	57.7	55.7	57.0	55.2	56.5	55.0	53.2
G140.0	58.5	60.0	57.2	56.5	55.7	56.7	56.2	56.7	55.5	53.5
G141.0	61.0	60.7	57.7	57.2	56.7	58.0	56.7	56.7	56.5	54.0
G142.0	60.5	62.7	56.5	59.0	56.5	58.0	56.7	55.7	56.7	52.7
G143.0	60.2	61.7	57.5	58.7	57.2	59.0	58.5	56.7	57.5	53.7
G144.0	61.9	62.2	57.7	59.7	58.7	60.5	58.2	55.7	57.7	53.7
G145.0	61.4	62.9	59.0	60.0	58.7	60.7	58.2	56.7	58.7	55.0
G146.0	63.4	63.2	58.7	62.2	59.0	60.5	59.2	58.2	59.5	54.0
G147.0	64.7	63.2	59.7	63.7	59.7	60.2	59.2	58.7	60.0	55.5

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-1800B

Distance: 11.967 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	63.7	63.7	60.0	62.4	58.7	61.4	61.0	59.0	60.2	55.0
G149.0	63.4	63.7	61.4	63.4	60.7	60.0	61.0	58.7	62.7	56.5
G150.0	64.7	63.9	61.7	63.7	59.7	61.9	60.7	60.0	60.7	56.5
G151.0	64.4	65.9	61.9	65.4	61.2	61.4	58.7	59.0	60.0	56.7
G152.0	63.2	64.9	60.7	61.9	61.2	62.4	60.7	59.2	60.2	56.2
G153.0	63.2	64.9	61.9	61.9	61.0	61.9	60.2	59.5	61.7	57.0
G154.0	64.4	64.4	62.2	61.9	60.2	61.9	60.0	59.2	61.7	55.0
G155.0	63.9	64.2	63.2	62.4	61.7	62.7	62.2	59.7	61.0	56.7
G156.0	63.2	63.2	61.4	64.7	61.4	62.2	60.5	59.2	60.7	56.0
G157.0	63.4	63.2	60.7	62.7	60.0	61.9	61.2	60.5	60.7	55.2
G158.0	64.2	63.2	58.7	63.7	61.2	62.7	60.0	60.5	59.5	55.2
G159.0	63.7	64.2	58.2	64.2	60.5	60.5	61.0	59.5	60.7	56.7
G160.0	64.2	64.9	57.7	63.7	60.2	60.0	60.2	60.5	59.7	55.5
G161.0	62.7	61.9	58.7	65.2	61.9	60.2	60.2	60.5	60.2	55.7
G162.0	60.7	62.2	59.7	64.4	61.9	59.5	60.0	59.2	58.7	53.5
G163.0	60.2	61.4	57.0	62.4	61.0	59.7	60.0	57.7	57.2	55.2
G164.0	61.0	61.9	58.2	61.9	60.5	59.0	59.2	58.7	55.7	55.2
G165.0	62.2	62.9	57.5	62.2	59.0	59.2	60.0	57.5	56.7	55.0
G166.0	60.7	61.2	57.2	63.9	59.5	58.7	59.7	58.2	57.5	55.0
G167.0	59.7	61.7	57.5	62.4	58.5	61.2	58.7	59.5	56.2	56.0
G168.0	60.5	61.9	57.7	59.5	58.0	58.7	57.7	57.7	57.5	56.0
G169.0	60.2	61.9	58.7	60.0	58.2	59.2	57.7	57.2	56.5	58.0
G170.0	59.2	59.7	57.2	60.2	57.0	59.2	57.2	58.2	54.7	57.0
G171.0	59.2	60.0	57.0	59.7	57.7	58.7	57.5	56.2	56.7	56.5
G172.0	59.5	60.2	56.0	59.7	57.5	58.2	57.7	56.2	56.7	56.0
G173.0	55.2	58.7	56.7	60.2	56.7	57.7	59.0	55.0	55.5	54.0
G174.0	53.7	57.0	55.2	62.2	57.0	58.2	58.5	55.7	55.5	54.2
G175.0	53.2	57.2	55.7	61.0	57.0	58.5	57.2	53.5	56.2	56.5
G176.0	54.0	58.0	57.5	60.2	56.0	58.2	55.7	53.7	57.5	57.5
G177.0	52.5	57.7	57.7	59.0	55.2	58.2	55.5	54.2	58.5	58.2
G178.0	54.2	56.7	55.2	59.2	56.2	58.0	56.7	55.2	56.0	57.2
G179.0	52.2	57.7	54.5	58.5	54.7	58.0	54.7	55.2	56.2	55.7
G180.0	54.5	56.7	51.7	59.2	55.7	58.2	54.5	55.5	59.0	54.7

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	4141.9	4141.1	4126.5						
G1.0	4151.6	4147.3	4131.2						
G2.0	4164.0	4157.8	4136.6						
G3.0	4179.4	4170.2	4145.6						
G4.0	4199.1	4189.1	4154.6						
G5.0	4218.5	4208.8	4168.5						
G6.0	4242.6	4232.4	4184.9						
G7.0	4269.2	4257.3	4207.5						
G8.0	4300.3	4283.4	4227.2						
G9.0	4337.9	4314.5	4250.1						
G10.0	4373.5	4352.3	4277.2						
G11.0	4414.8	4390.9	4308.8						
G12.0	4458.0	4433.2	4340.6						
G13.0	4510.0	4480.2	4374.2						
G14.0	4563.5	4526.5	4413.0						
G15.0	4621.7	4584.9	4454.3						
G16.0	4683.9	4644.9	4498.6						
G17.0	4751.3	4707.5	4553.3						
G18.0	4829.4	4776.0	4605.1						
G19.0	4905.6	4854.6	4663.5						
G20.0	4989.6	4935.2	4727.0						
G21.0	5076.0	5019.5	4799.8						
G22.0	5167.8	5109.0	4873.5						
G23.0	5276.5	5204.6	4950.3						
G24.0	5383.7	5316.5	5042.9						
G25.0	5496.1	5425.5	5133.4						
G26.0	5612.0	5538.9	5228.5						
G27.0	5750.9	5657.3	5328.7						
G28.0	5880.0	5794.9	5434.2						
G29.0	6016.8	5927.0	5543.4						
G30.0	6158.8	6064.8	5670.8						
G31.0	6320.3	6204.8	5786.4						
G32.0	6473.5	6364.8	5903.4						
G33.0	6629.0	6513.1	6035.2						
G34.0	6784.2	6661.8	6154.6						
G35.0	6956.1	6814.6	6273.5						
G36.0	7114.3	6979.7	6391.7						

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	7267.0	7128.5	6513.8						
G38.0	7419.3	7279.5	6624.8						
G39.0	7583.5	7428.3	6726.7						
G40.0	7723.5	7572.0	6825.3						
G41.0	7857.6	7724.0	6914.8						
G42.0	7984.5	7857.6	7000.4						
G43.0	8114.3	7986.0	7082.5						
G44.0	8223.8	8106.9	7150.4						
G45.0	8320.6	8229.8	7208.6						
G46.0	8401.2	8328.3	7260.6						
G47.0	8468.1	8411.3	7292.4						
G48.0	8524.5	8479.5	7309.8						
G49.0	8555.9	8532.3	7308.1						
G50.0	8567.8	8557.9	7290.7						
G51.0	8555.9	8561.1	7241.7						
G52.0	8513.6	8537.7	7169.0						
G53.0	8441.7	8474.3	7066.5						
G54.0	8331.0	8375.0	6930.0						
G55.0	8160.1	8229.8	6754.4						
G56.0	7943.4	8030.8	6507.1						
G57.0	7659.9	7741.7	6228.7						
G58.0	7306.4	7413.8	5901.9						
G59.0	6880.0	7020.8	5480.5						
G60.0	6343.4	6578.2	5050.6						
G61.0	5804.6	6039.2	4576.0						
G62.0	5250.9	5526.2	4034.2						
G63.0	4709.8	5006.1	3408.0						
G64.0	4149.3	4488.4	2862.7						
G65.0	3668.0	3932.7	2365.5						
G66.0	3204.3	3443.1	1925.2						
G67.0	2760.3	2985.1	1567.2						
G68.0	2302.5	2518.2	1270.7						
G69.0	1937.3	2145.8	1066.4						
G70.0	1632.4	1825.2	914.9						
G71.0	1358.7	1545.6	796.5						
G72.0	1163.9	1295.1	689.3						
G73.0	1009.2	1112.2	610.0						

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	882.1	968.2	538.8							
G75.0	777.4	845.8	472.4							
G76.0	681.4	739.6	416.7							
G77.0	603.7	640.6	367.7							
G78.0	533.3	561.7	323.9							
G79.0	467.2	488.6	283.1							
G80.0	408.7	410.5	245.3							
G81.0	351.3	345.0	212.7							
G82.0	291.8	283.1	182.8							
G83.0	239.6	228.1	154.5							
G84.0	189.6	179.1	130.4							
G85.0	149.3	143.0	109.0							
G86.0	118.7	111.7	87.6							
G87.0	89.1	86.6	67.4							
G88.0	65.4	62.2	47.8							
G89.0	43.3	40.8	30.1							
G90.0	28.1	26.9	20.9							
G91.0	20.6	16.9	17.7							
G92.0	20.1	17.2	13.7							
G93.0	20.6	17.4	15.7							
G94.0	20.9	19.1	17.7							
G95.0	23.1	21.6	21.6							
G96.0	24.1	22.1	21.1							
G97.0	25.9	22.1	21.6							
G98.0	26.1	23.6	24.4							
G99.0	28.4	27.4	24.4							
G100.0	29.1	30.6	25.9							
G101.0	29.9	29.9	26.4							
G102.0	31.8	31.1	28.1							
G103.0	32.8	33.8	29.1							
G104.0	34.3	34.1	31.1							
G105.0	35.6	35.3	32.3							
G106.0	35.8	36.1	33.1							
G107.0	36.6	36.8	33.8							
G108.0	37.6	38.8	34.6							
G109.0	39.1	40.0	36.3							
G110.0	40.3	39.8	37.1							

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G111.0	41.8	41.5	38.1						
G112.0	41.0	40.8	39.5						
G113.0	40.8	41.0	41.0						
G114.0	43.0	43.5	43.3						
G115.0	42.3	44.8	45.0						
G116.0	45.8	44.0	45.0						
G117.0	44.8	45.3	46.5						
G118.0	44.3	46.5	47.5						
G119.0	45.0	47.0	46.5						
G120.0	46.0	48.3	48.5						
G121.0	48.0	47.8	51.0						
G122.0	48.5	48.5	51.2						
G123.0	48.0	49.0	51.2						
G124.0	48.5	49.5	50.8						
G125.0	48.5	52.5	52.0						
G126.0	50.0	54.2	54.0						
G127.0	49.3	53.5	53.5						
G128.0	51.2	53.2	54.0						
G129.0	52.2	54.7	54.5						
G130.0	52.7	54.7	56.0						
G131.0	53.2	55.5	56.7						
G132.0	54.0	54.2	56.2						
G133.0	55.0	54.7	58.0						
G134.0	54.2	56.5	57.7						
G135.0	55.5	56.7	57.0						
G136.0	55.7	59.2	58.2						
G137.0	57.0	58.7	57.5						
G138.0	56.7	59.0	58.5						
G139.0	55.7	60.2	58.0						
G140.0	56.7	59.5	58.5						
G141.0	59.0	60.5	61.0						
G142.0	58.5	60.0	60.5						
G143.0	58.7	61.0	60.2						
G144.0	60.2	61.4	61.9						
G145.0	61.2	62.9	61.4						
G146.0	61.2	63.7	63.4						
G147.0	61.2	62.7	64.7						

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	63.4	62.4	63.7							
G149.0	62.2	64.2	63.4							
G150.0	61.7	64.4	64.7							
G151.0	63.9	65.7	64.4							
G152.0	62.7	64.2	63.2							
G153.0	63.4	65.4	63.2							
G154.0	61.7	64.7	64.4							
G155.0	62.7	65.7	63.9							
G156.0	61.7	66.9	63.2							
G157.0	60.5	65.4	63.4							
G158.0	60.7	63.7	64.2							
G159.0	61.2	63.4	63.7							
G160.0	61.4	61.9	64.2							
G161.0	60.0	62.9	62.7							
G162.0	60.2	62.7	60.7							
G163.0	61.2	62.4	60.2							
G164.0	60.7	62.7	61.0							
G165.0	59.2	61.2	62.2							
G166.0	58.7	60.5	60.7							
G167.0	59.0	60.2	59.7							
G168.0	59.2	59.7	60.5							
G169.0	59.0	60.5	60.2							
G170.0	59.7	56.7	59.2							
G171.0	59.5	58.2	59.2							
G172.0	60.2	58.0	59.5							
G173.0	60.2	58.2	55.2							
G174.0	59.2	59.2	53.7							
G175.0	57.7	59.2	53.2							
G176.0	57.0	58.0	54.0							
G177.0	57.5	59.2	52.5							
G178.0	57.7	57.5	54.2							
G179.0	58.5	59.5	52.2							
G180.0	59.7	57.7	54.5							

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-1800B
 Distance: 11.967 m
 Humidity:
 Inspector: