

Report No.: 1

Test Time: 2015/11/2 10:04

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: LT-I1218-LF118A6

Current: 0.091 A

Power Factor: 0.966

Voltage: 220 V

Power: 19.36 W

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 2071.3 lm

Downward Ratio: 89%

Horizontal Diffuse Angle(25%,50%): H141.7,H111.3

Vertical Diffuse Angle(25%,50%): V197.4,V142.4

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 534.85 cd

Total Rated Lamp Lumens: 2071.3 lm

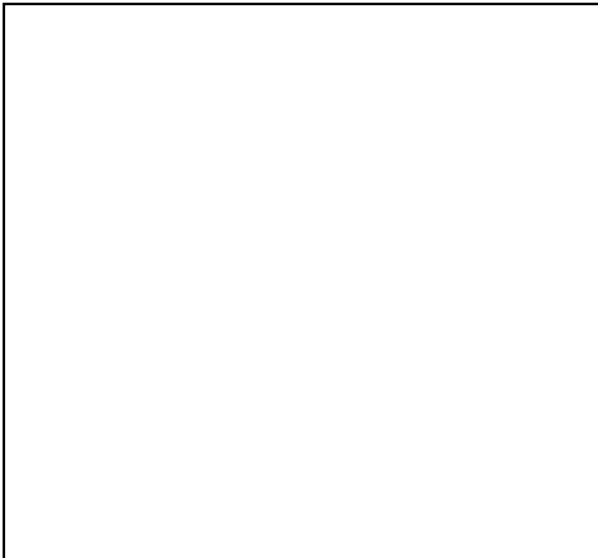
Efficiency: 100%

Upward Ratio: 11%

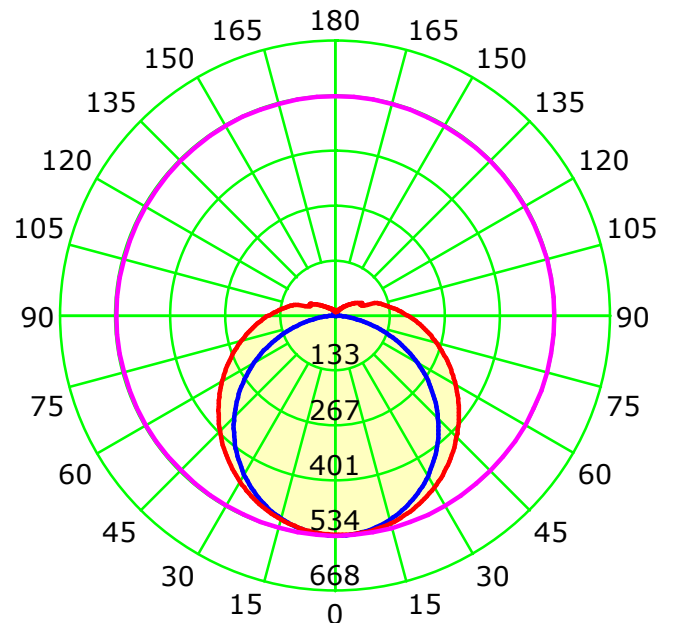
Central Intensity: 534.73 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 126.8° Unit: cd

— C0-C180 — C90-C270 — 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

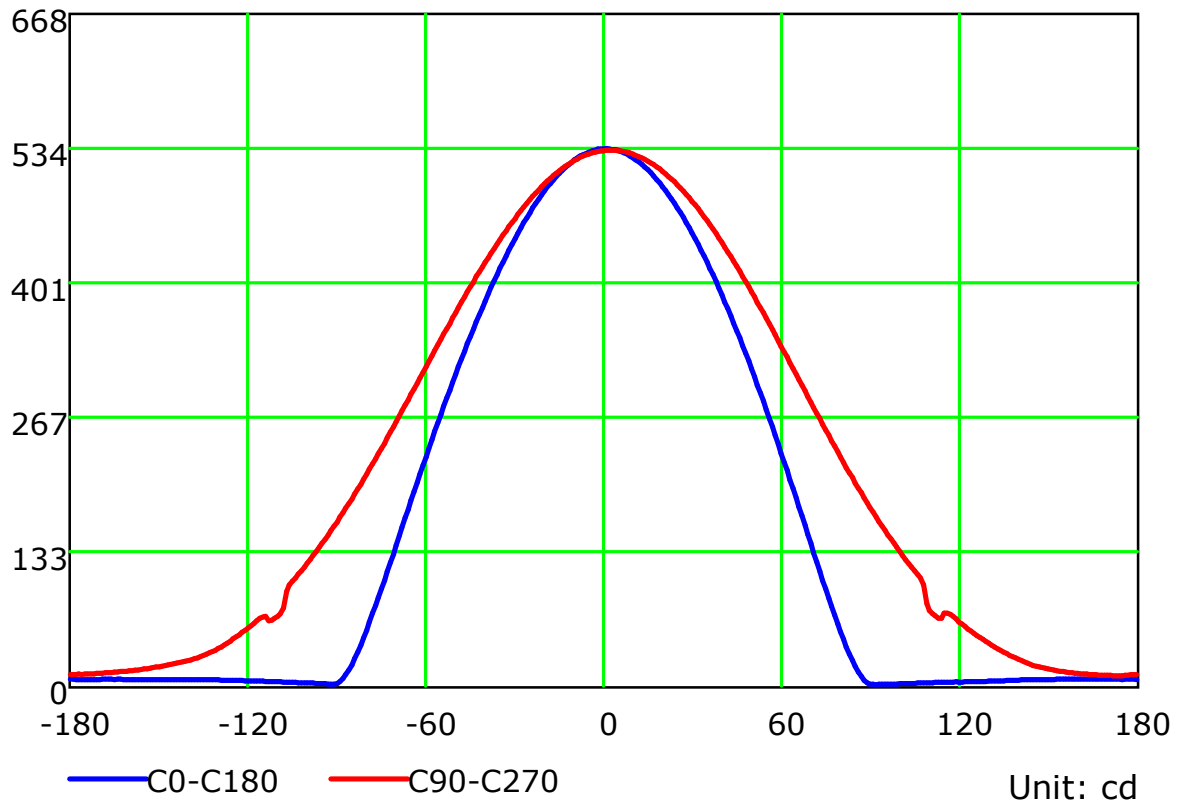
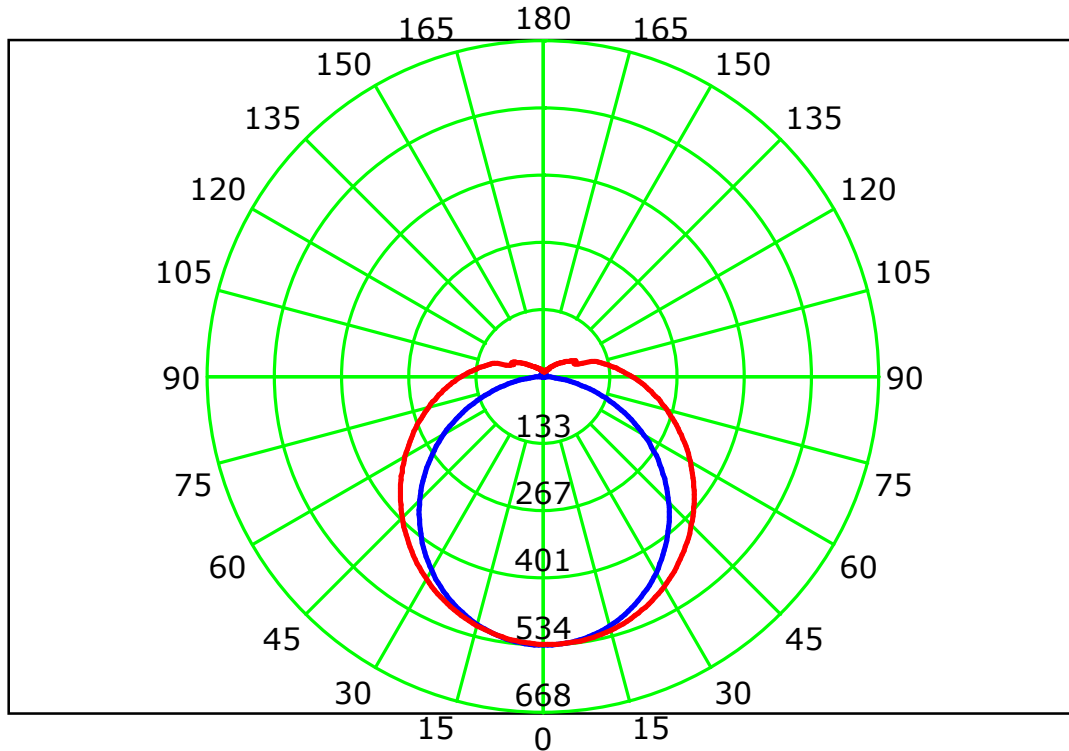
Test Device: GPM-1800B

Distance: 8.008 m

Humidity:

Inspector:

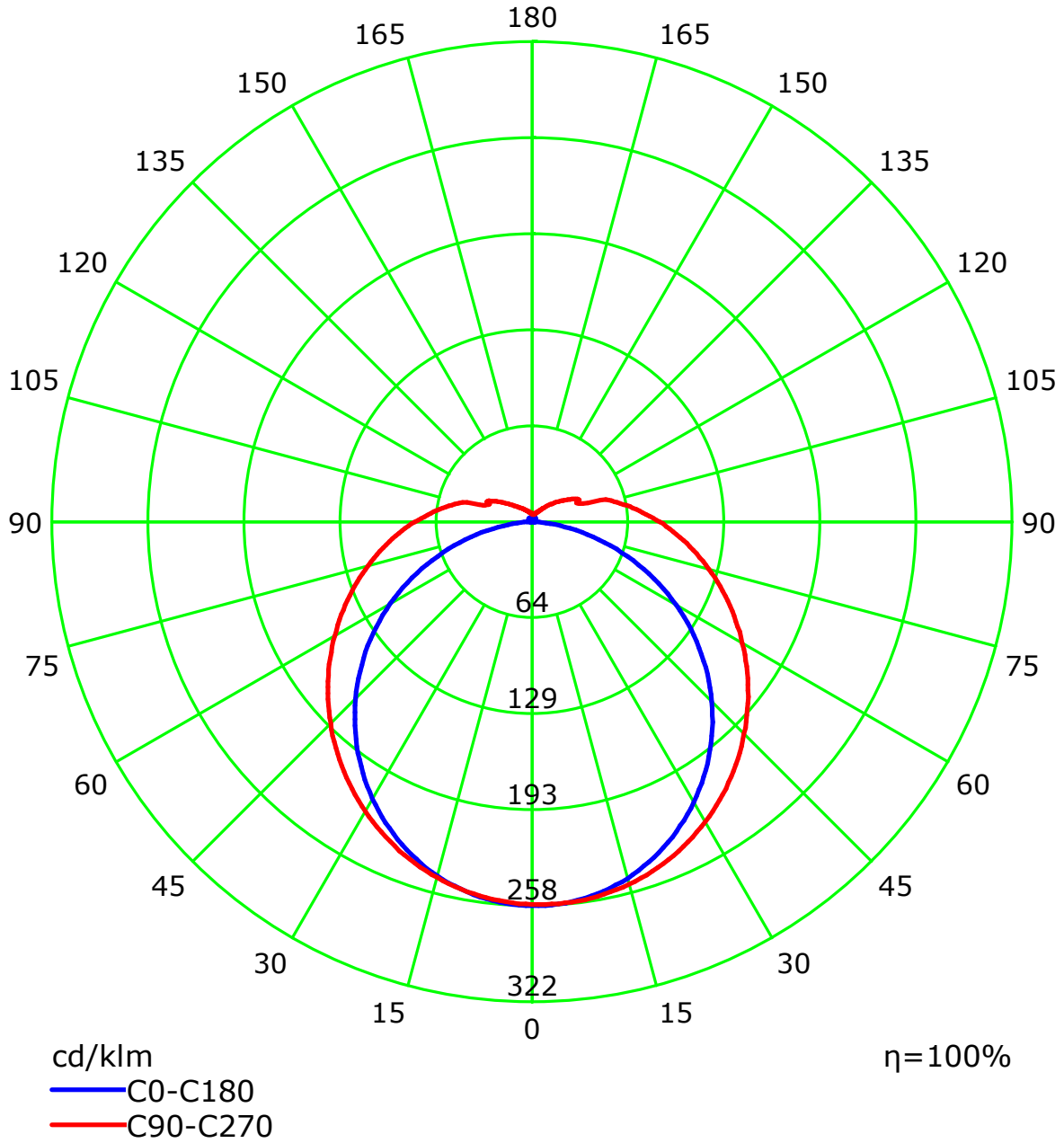
## Luminous Intensity Distribution Curve



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: 8.008 m  
Humidity:  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



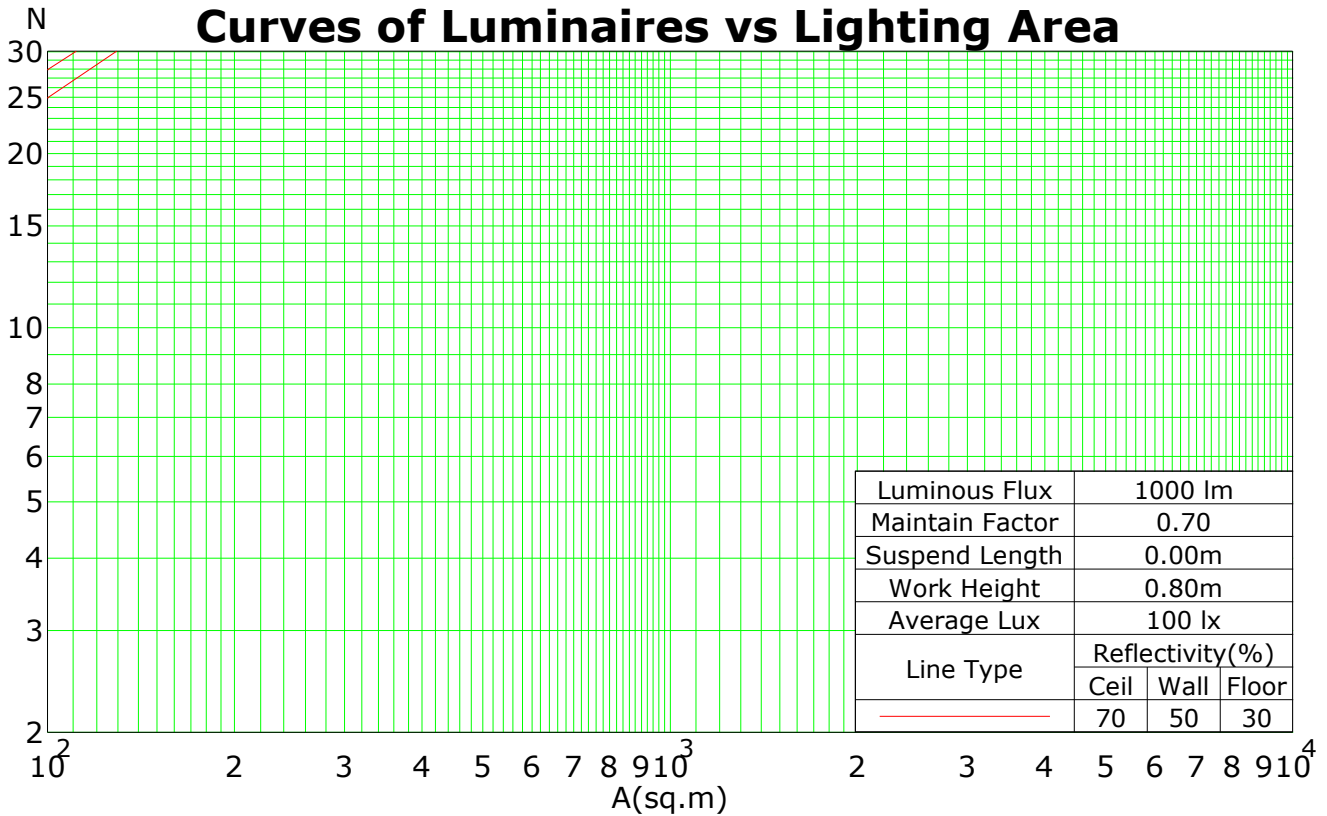
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.008 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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	104	98	93	88	100	94	90	86	88	84	81	82	79	76	77	74	72	69
2	93	84	76	70	90	81	74	68	76	70	65	71	66	62	66	62	59	56
3	85	73	64	57	81	71	62	56	66	59	53	62	56	51	58	53	49	46
4	77	64	55	48	74	62	54	47	58	51	45	54	48	43	51	46	41	39
5	71	57	48	41	68	55	47	40	52	44	38	49	42	37	46	40	36	33
6	65	51	42	35	62	50	41	35	47	39	33	44	37	32	41	36	31	29
7	60	46	37	31	58	45	36	30	42	35	29	40	33	28	38	32	27	25
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	24	22
9	52	39	30	25	50	38	30	24	36	28	23	34	27	23	32	26	22	20
10	49	36	27	22	47	35	27	22	33	26	21	31	25	21	30	24	20	18

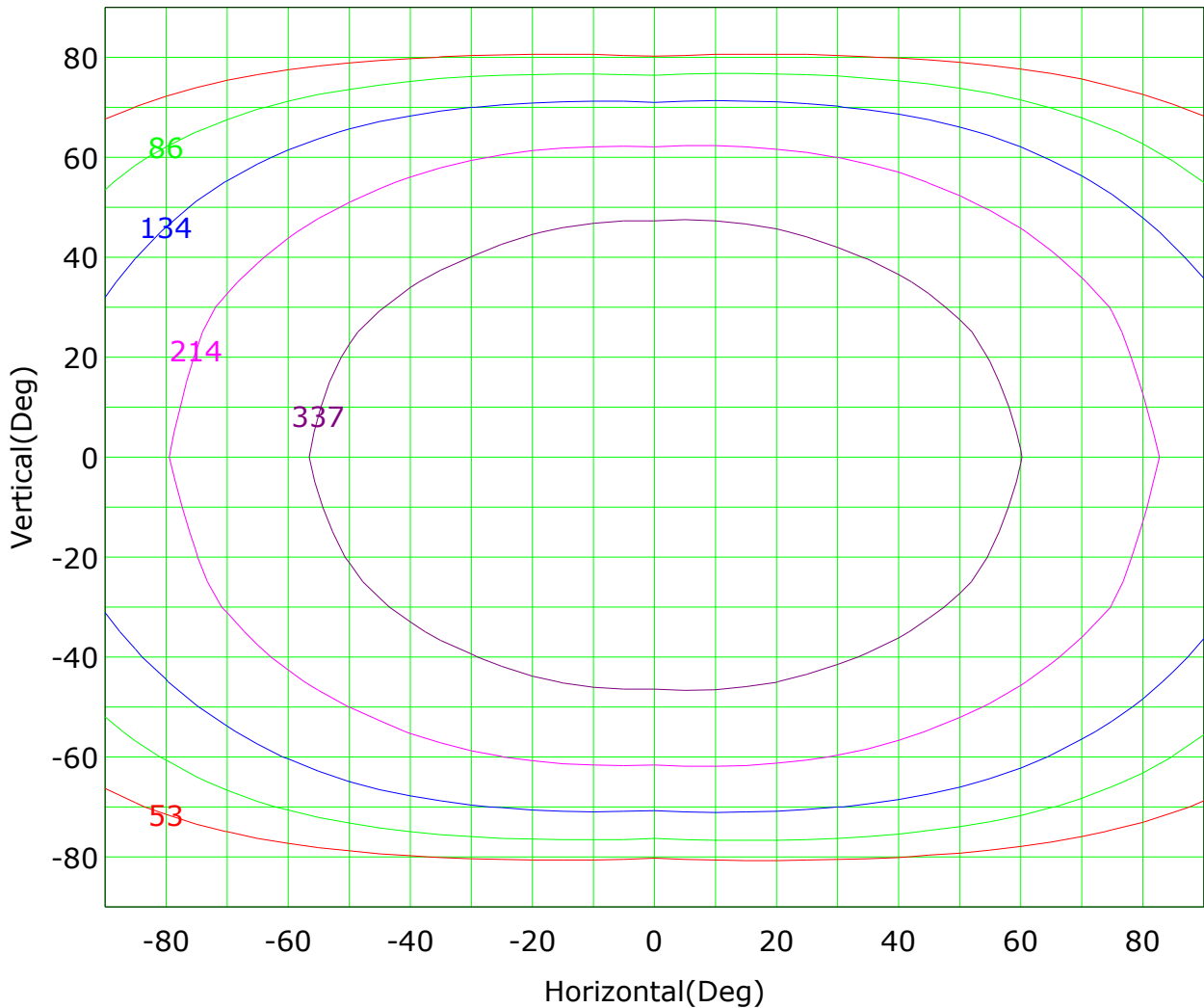
Spacing Criteria (0-180): 1.25  
 Spacing Criteria (90-270): 1.33  
 Spacing Criteria (Diagonal): 1.42



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: 8.008 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



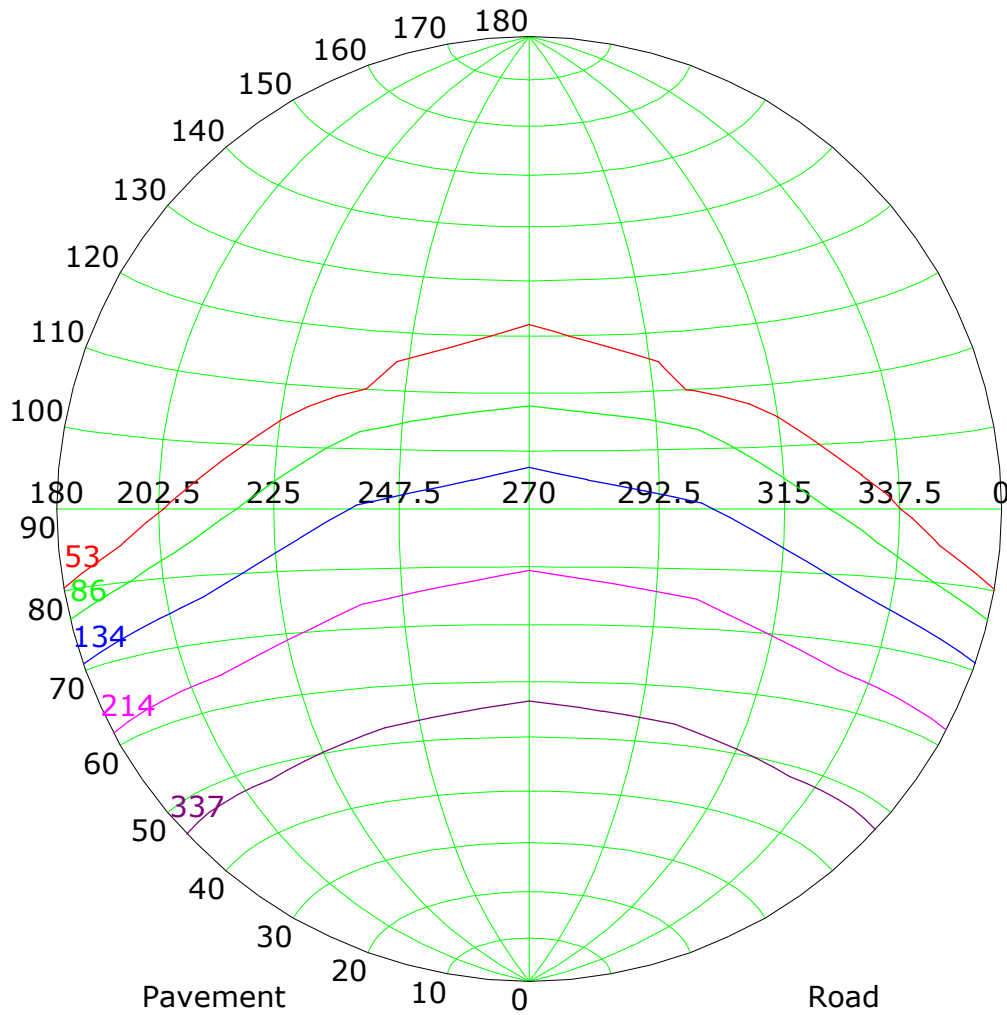
Imax (100%): 535 cd

— ( 10%): 53 cd	— ( 16%): 86 cd
— ( 25%): 134 cd	— ( 40%): 214 cd
— ( 63%): 337 cd	— (100%): 535 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: 8.008 m  
Humidity:  
Inspector:

## Isocandela (sphere)



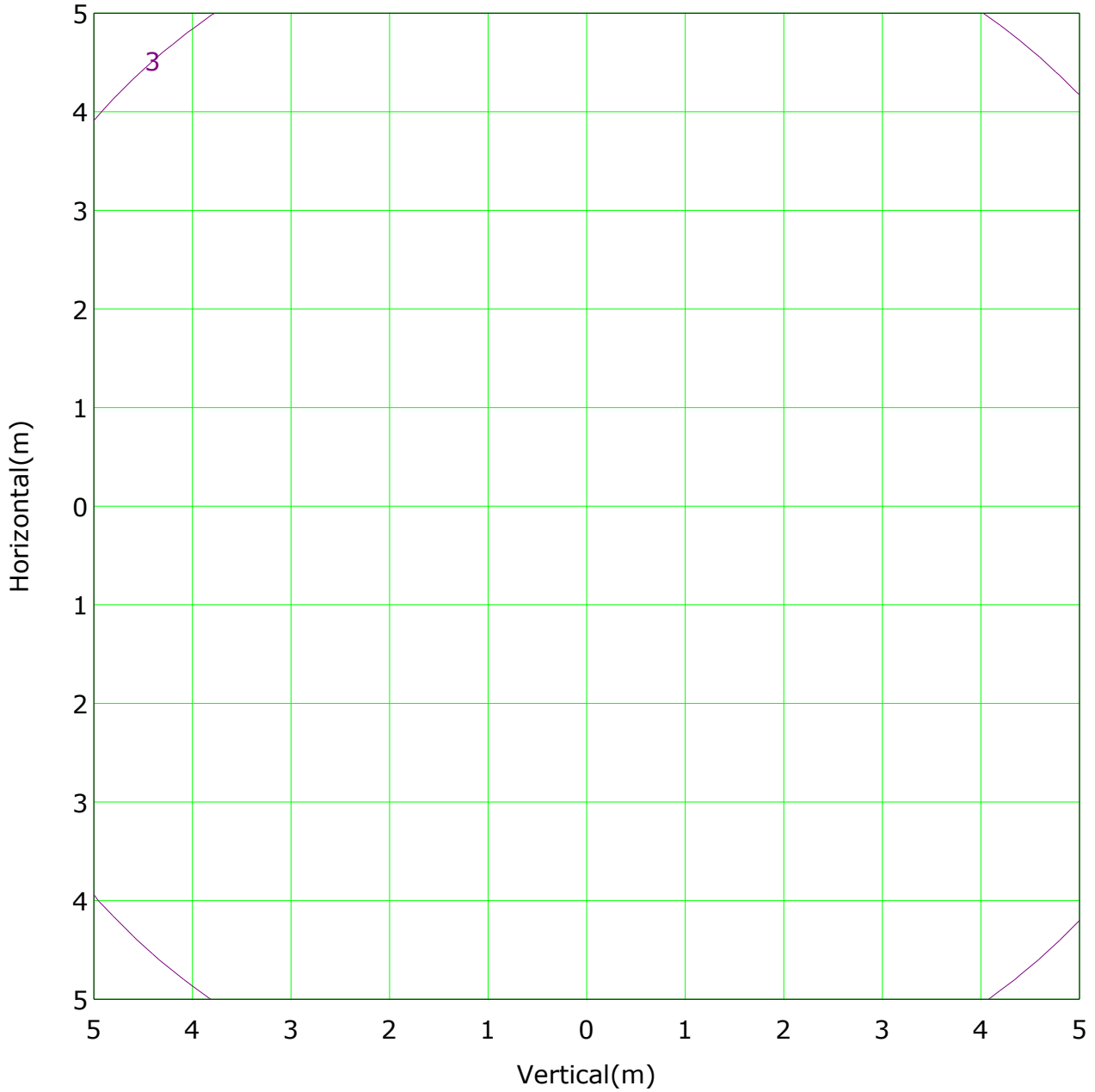
Imax (100%): 535 cd

— ( 10%): 53 cd	— ( 16%): 86 cd
— ( 25%): 134 cd	— ( 40%): 214 cd
— ( 63%): 337 cd	— (100%): 535 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: 8.008 m  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 5.3 lx

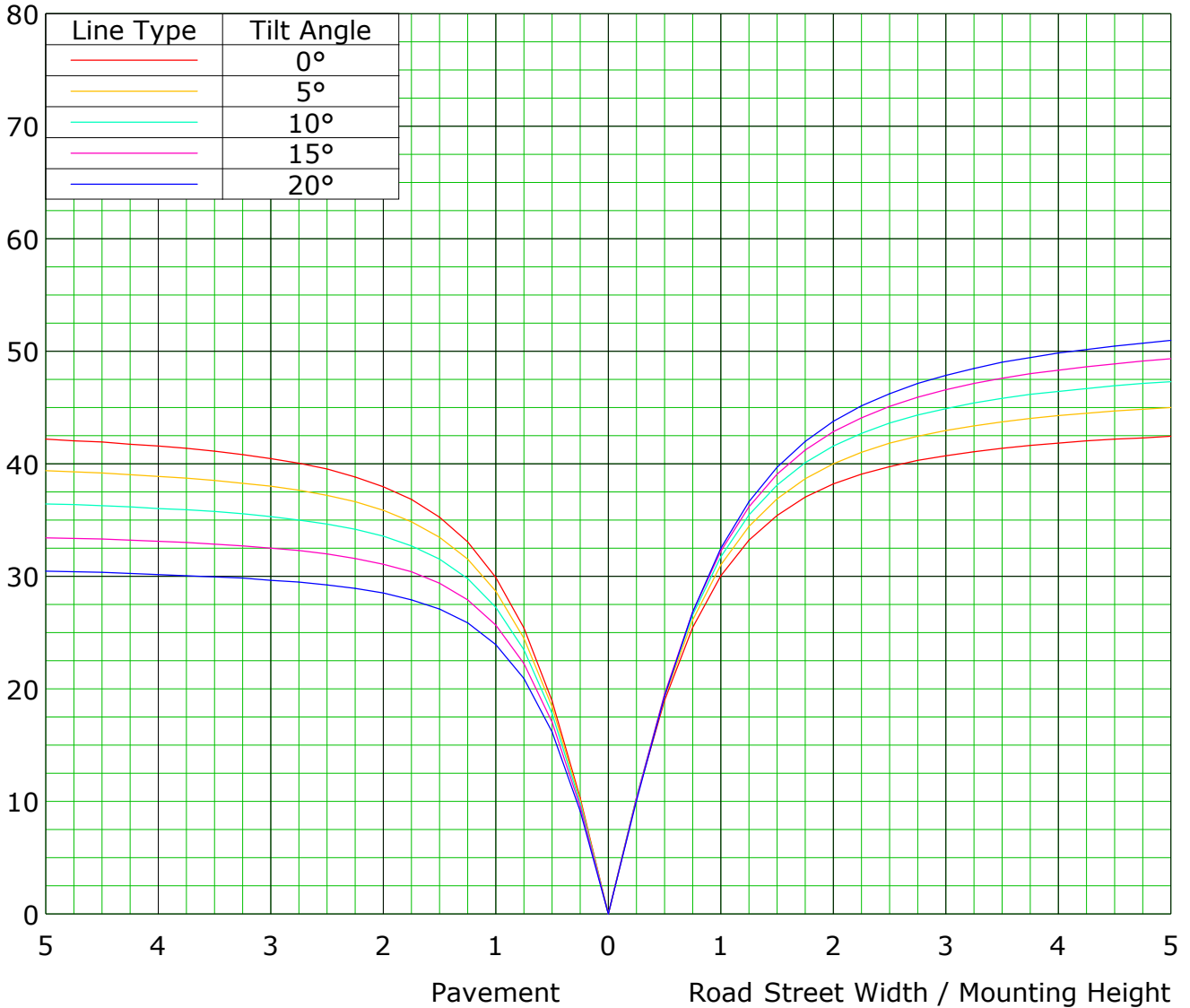
— ( 3%): 0.2 lx	— ( 5%): 0.3 lx
— ( 10%): 0.5 lx	— ( 30%): 1.6 lx
— ( 50%): 2.7 lx	

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: 8.008 m  
Humidity:  
Inspector:

## Roadway CU Curve

Efficiency(%)



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

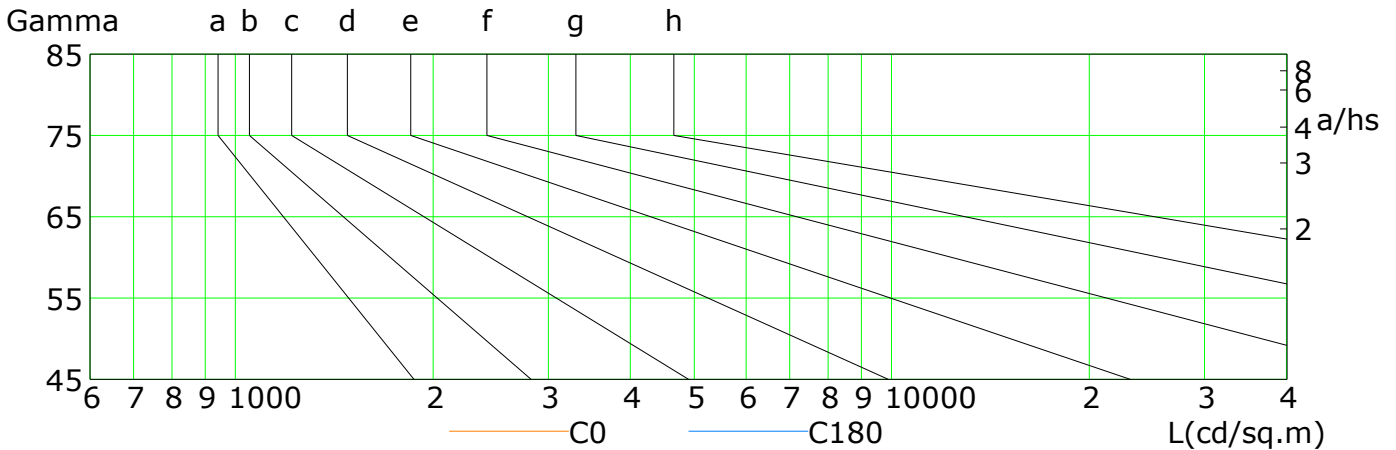
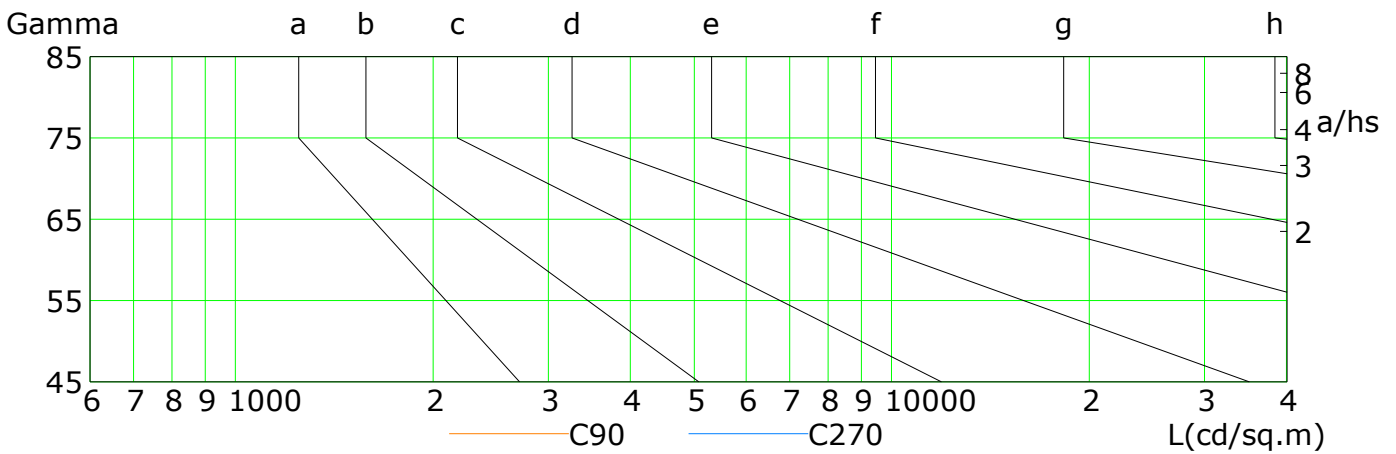
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.008 m  
Humidity:  
Inspector:



## 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

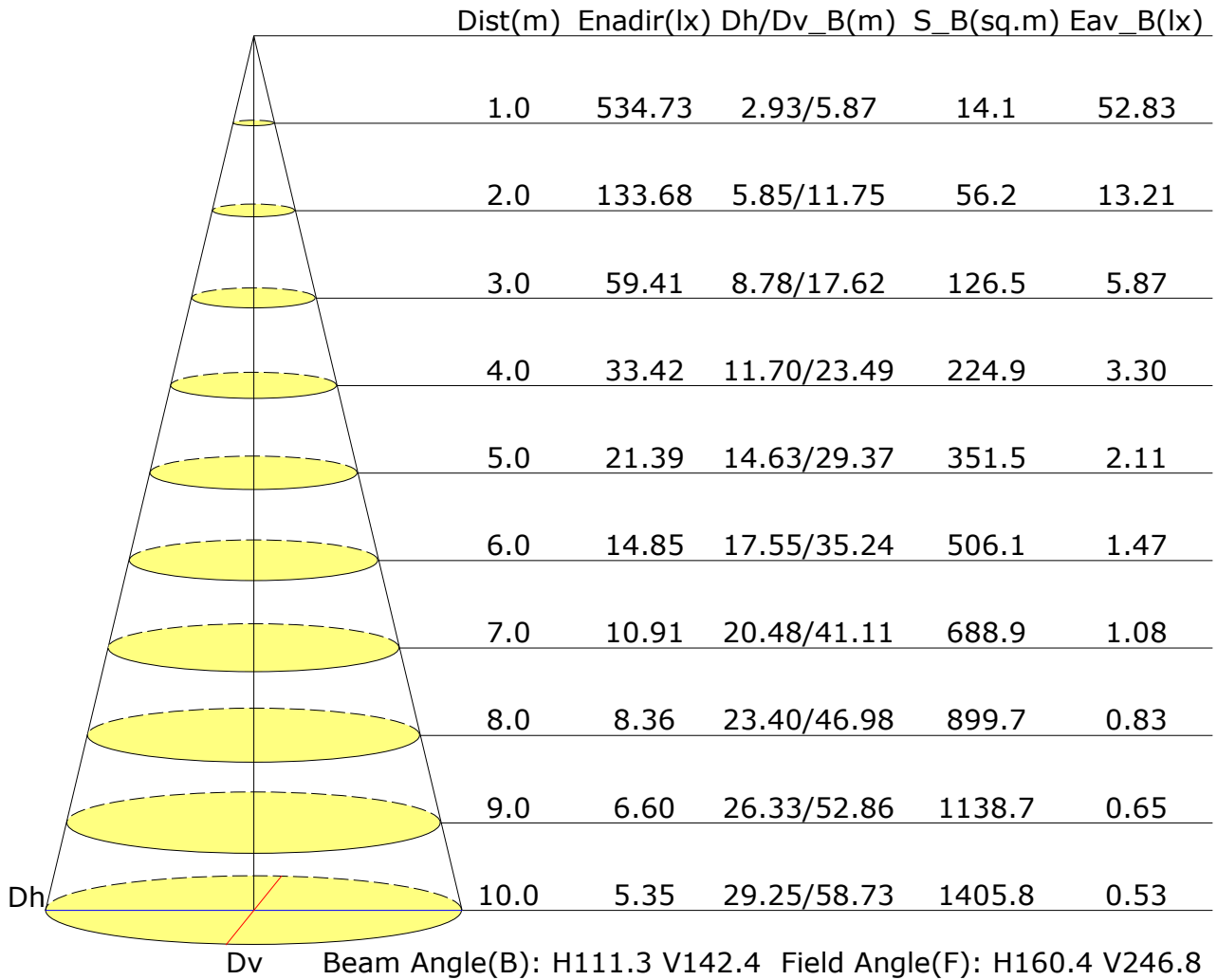


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	354	316	275	232	188	142	97	54	20
C90	418	393	366	338	311	283	255	228	202
C180	348	310	270	228	185	141	97	56	22
C270	397	371	345	318	291	263	237	211	187

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: 8.008 m  
Humidity:  
Inspector:

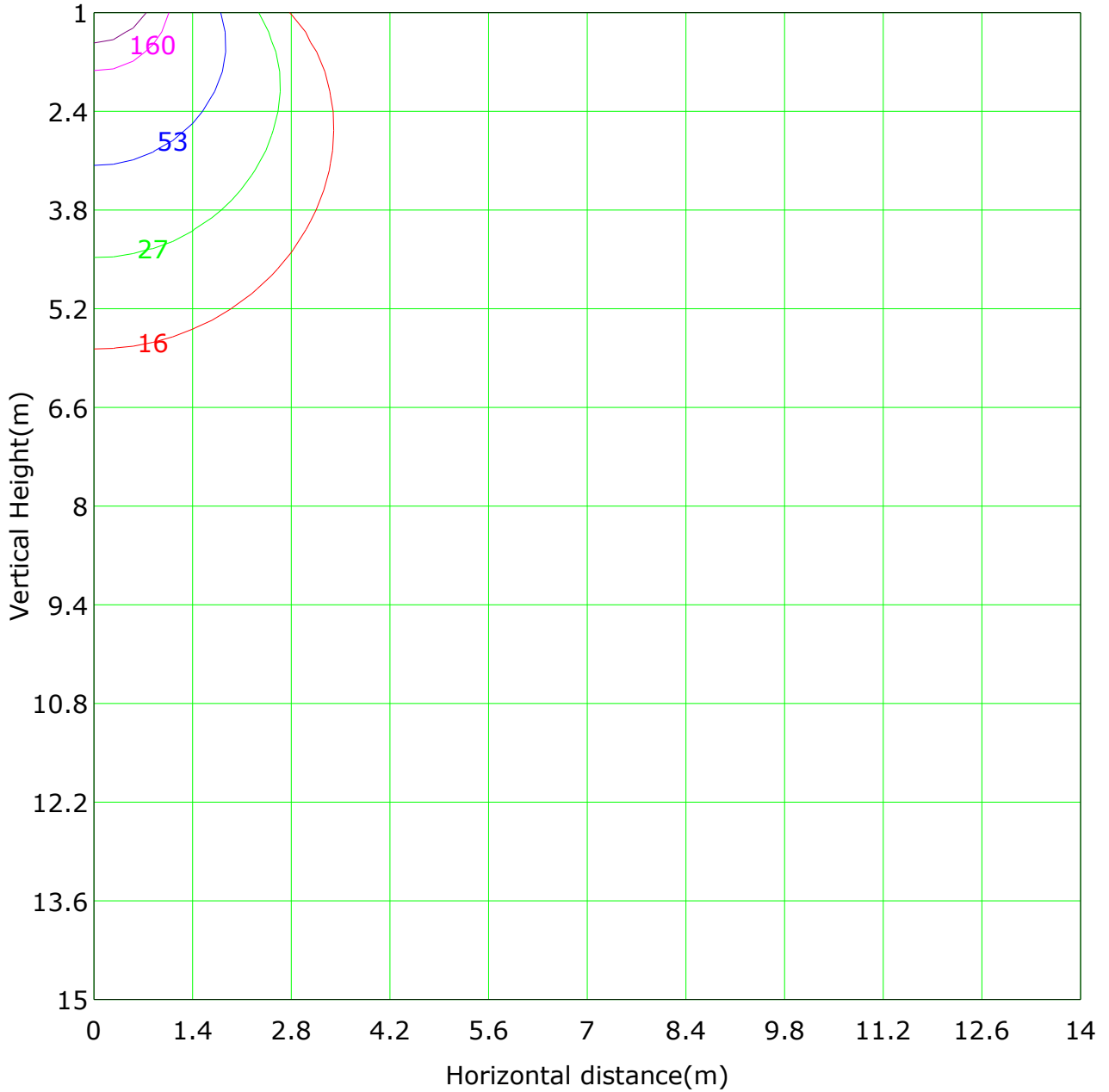
## Illuminance at a Distance



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: 8.008 m  
Humidity:  
Inspector:

## Vertical IsoLux Plot



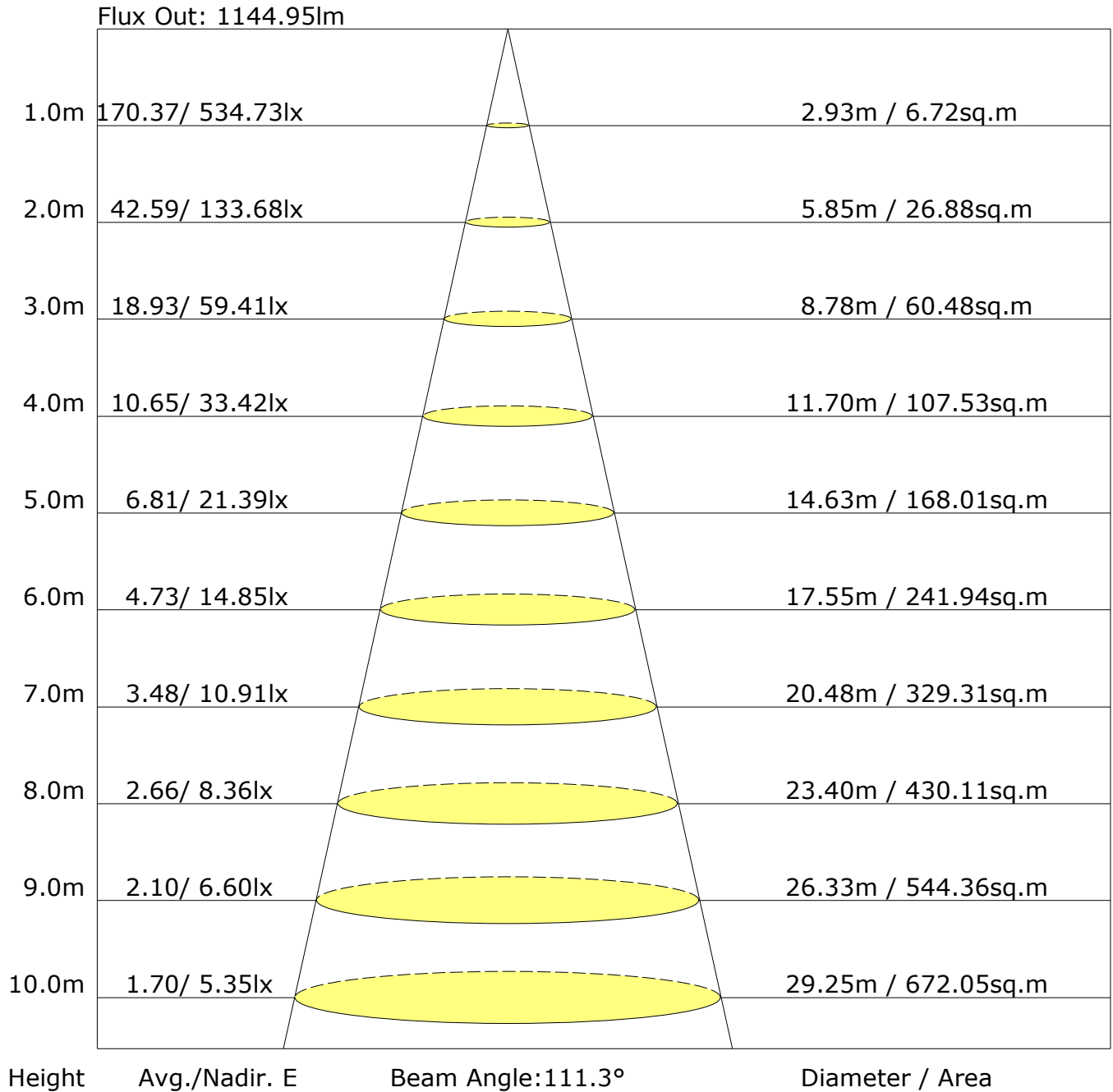
Lowest(m): 1.0m    Highest(m): 15.0m    Max Lux: 534.7 lx  
 — ( 3%): 16.0 lx                      — ( 5%): 26.7 lx  
 — ( 10%): 53.5 lx                      — ( 30%): 160.4 lx  
 — ( 50%): 267.4 lx

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: 8.008 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-1800B  
Distance: 8.008 m  
Humidity:  
Inspector:

## UGR Table

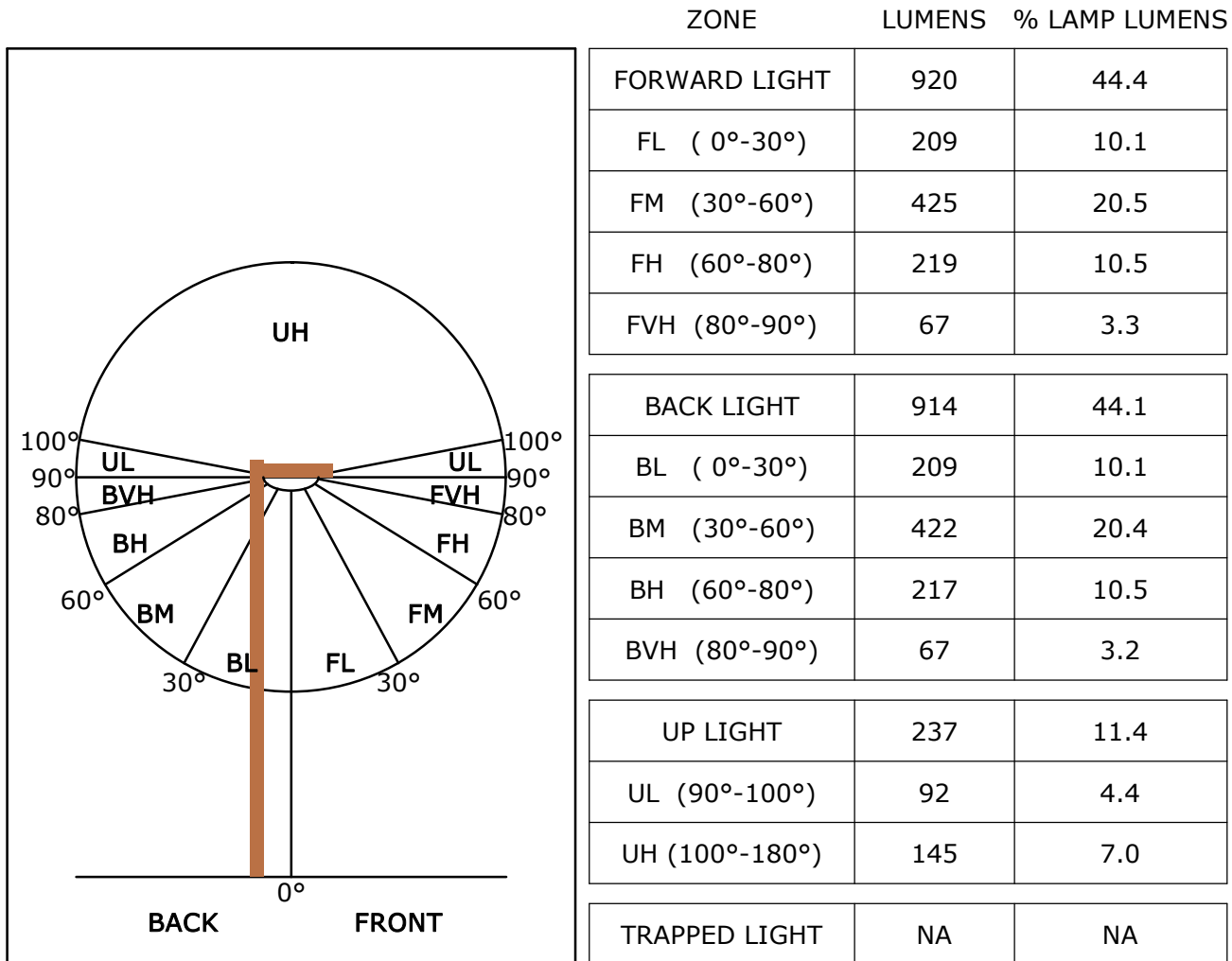
Reflectance:											
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=4H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=8H Y=4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=12H Y=4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$

Calculate in accordance with CIE 190:2010

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: 8.008 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)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 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-1800B  
Distance: 8.008 m  
Humidity:  
Inspector:





## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.52	0.60	0.67	0.72	0.80	0.85	0.88	0.93	0.96	
	0.30		0.44	0.52	0.60	0.65	0.73	0.78	0.82	0.88	0.92	
	0.20		0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.84	0.88	
0.50	0.50	0.20	0.50	0.57	0.63	0.68	0.75	0.79	0.82	0.87	0.90	
	0.30		0.43	0.50	0.57	0.62	0.69	0.74	0.78	0.83	0.86	
	0.20		0.38	0.45	0.51	0.56	0.64	0.69	0.73	0.79	0.83	
0.30	0.50	0.20	0.47	0.54	0.60	0.64	0.70	0.74	0.77	0.81	0.84	
	0.30		0.41	0.48	0.54	0.59	0.65	0.70	0.73	0.78	0.81	
	0.20		0.36	0.43	0.50	0.54	0.61	0.66	0.70	0.75	0.78	
0.00	0.00	0.00	0.33	0.39	0.45	0.49	0.56	0.60	0.63	0.68	0.71	
<p>Rating:20W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	1.00	0.87	0.75	0.66	0.54	0.46	0.40	0.32	0.27	
	0.30		0.84	0.74	0.65	0.59	0.49	0.42	0.37	0.30	0.25	
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.28	0.24	
0.50	0.50	0.20	0.94	0.81	0.70	0.62	0.51	0.46	0.38	0.30	0.25	
	0.30		0.80	0.71	0.62	0.56	0.46	0.40	0.35	0.28	0.24	
	0.20		0.69	0.62	0.55	0.50	0.43	0.37	0.33	0.27	0.23	
0.30	0.50	0.20	0.89	0.76	0.66	0.58	0.48	0.40	0.35	0.28	0.24	
	0.30		0.76	0.67	0.59	0.53	0.44	0.38	0.33	0.27	0.23	
	0.20		0.67	0.60	0.53	0.48	0.41	0.36	0.31	0.26	0.22	
0.00	0.00	0.00	0.55	0.50	0.44	0.39	0.33	0.29	0.25	0.21	0.17	
<p>Rating: 20W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50								
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	0.28	0.29	0.30	0.31	0.32	0.32	0.32	0.33	0.33
	0.30		0.21	0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.30
	0.20		0.16	0.17	0.19	0.20	0.22	0.23	0.24	0.26	0.27
0.50	0.50	0.20	0.27	0.28	0.29	0.30	0.30	0.31	0.31	0.32	0.32
	0.30		0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29
	0.20		0.16	0.17	0.18	0.19	0.21	0.23	0.24	0.25	0.26
0.30	0.50	0.20	0.26	0.27	0.28	0.28	0.29	0.30	0.30	0.30	0.30
	0.30		0.20	0.21	0.22	0.23	0.25	0.26	0.26	0.27	0.28
	0.20		0.16	0.17	0.18	0.19	0.21	0.22	0.23	0.24	0.25
0.00	0.00	0.00	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
<p>Rating:20W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	533.1	0.5	0.5	0.02	0.02
1.0-2.0	533.0	1.5	2.0	0.07	0.10
2.0-3.0	532.6	2.5	4.6	0.12	0.22
3.0-4.0	532.1	3.6	8.2	0.17	0.39
4.0-5.0	531.4	4.6	12.7	0.22	0.61
5.0-6.0	530.6	5.6	18.3	0.27	0.88
6.0-7.0	529.6	6.6	24.9	0.32	1.20
7.0-8.0	528.4	7.6	32.4	0.37	1.57
8.0-9.0	527.0	8.5	41.0	0.41	1.98
9.0-10.0	525.5	9.5	50.5	0.46	2.44
10.0-11.0	523.8	10.5	61.0	0.51	2.94
11.0-12.0	522.0	11.4	72.4	0.55	3.49
12.0-13.0	520.0	12.3	84.7	0.60	4.09
13.0-14.0	517.8	13.3	98.0	0.64	4.73
14.0-15.0	515.5	14.2	112.1	0.68	5.41
15.0-16.0	513.0	15.0	127.2	0.73	6.14
16.0-17.0	510.4	15.9	143.1	0.77	6.91
17.0-18.0	507.6	16.7	159.8	0.81	7.71
18.0-19.0	504.6	17.6	177.4	0.85	8.56
19.0-20.0	501.5	18.4	195.7	0.89	9.45
20.0-21.0	498.3	19.1	214.8	0.92	10.37
21.0-22.0	494.8	19.9	234.7	0.96	11.33
22.0-23.0	491.3	20.6	255.4	1.00	12.33
23.0-24.0	487.6	21.3	276.7	1.03	13.36
24.0-25.0	483.8	22.0	298.7	1.06	14.42
25.0-26.0	479.8	22.7	321.3	1.09	15.51
26.0-27.0	475.7	23.3	344.6	1.12	16.64
27.0-28.0	471.5	23.9	368.5	1.15	17.79
28.0-29.0	467.1	24.4	392.9	1.18	18.97
29.0-30.0	462.6	25.0	417.9	1.21	20.18
30.0-31.0	458.0	25.5	443.4	1.23	21.41
31.0-32.0	453.3	26.0	469.4	1.25	22.66
32.0-33.0	448.4	26.4	495.8	1.28	23.94
33.0-34.0	443.4	26.8	522.6	1.30	25.23
34.0-35.0	438.3	27.2	549.8	1.31	26.55
35.0-36.0	433.1	27.6	577.4	1.33	27.88

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: 8.008 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	427.8	27.9	605.3	1.35	29.22
37.0-38.0	422.4	28.2	633.5	1.36	30.59
38.0-39.0	416.9	28.5	662.0	1.37	31.96
39.0-40.0	411.3	28.7	690.7	1.38	33.34
40.0-41.0	405.5	28.9	719.5	1.39	34.74
41.0-42.0	399.8	29.0	748.6	1.40	36.14
42.0-43.0	393.9	29.2	777.8	1.41	37.55
43.0-44.0	388.0	29.3	807.1	1.41	38.96
44.0-45.0	381.9	29.4	836.4	1.42	40.38
45.0-46.0	375.8	29.4	865.8	1.42	41.80
46.0-47.0	369.6	29.4	895.2	1.42	43.22
47.0-48.0	363.3	29.4	924.6	1.42	44.64
48.0-49.0	357.0	29.3	953.9	1.42	46.05
49.0-50.0	350.6	29.2	983.1	1.41	47.47
50.0-51.0	344.2	29.1	1012.3	1.41	48.87
51.0-52.0	337.7	29.0	1041.2	1.40	50.27
52.0-53.0	331.1	28.8	1070.0	1.39	51.66
53.0-54.0	324.5	28.6	1098.7	1.38	53.04
54.0-55.0	317.9	28.4	1127.0	1.37	54.41
55.0-56.0	311.2	28.1	1155.2	1.36	55.77
56.0-57.0	304.5	27.8	1183.0	1.34	57.11
57.0-58.0	297.8	27.5	1210.5	1.33	58.44
58.0-59.0	291.0	27.2	1237.7	1.31	59.76
59.0-60.0	284.2	26.8	1264.6	1.30	61.05
60.0-61.0	277.4	26.5	1291.1	1.28	62.33
61.0-62.0	270.5	26.1	1317.1	1.26	63.59
62.0-63.0	263.7	25.6	1342.8	1.24	64.83
63.0-64.0	256.9	25.2	1368.0	1.22	66.05
64.0-65.0	250.1	24.8	1392.8	1.20	67.24
65.0-66.0	243.3	24.3	1417.0	1.17	68.41
66.0-67.0	236.5	23.8	1440.8	1.15	69.56
67.0-68.0	229.8	23.3	1464.1	1.12	70.69
68.0-69.0	223.0	22.8	1486.8	1.10	71.78
69.0-70.0	216.3	22.2	1509.1	1.07	72.86
70.0-71.0	209.6	21.7	1530.7	1.05	73.90
71.0-72.0	203.0	21.1	1551.8	1.02	74.92

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: 8.008 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	196.4	20.5	1572.4	0.99	75.91
73.0-74.0	189.9	20.0	1592.4	0.96	76.88
74.0-75.0	183.5	19.4	1611.7	0.94	77.81
75.0-76.0	177.2	18.8	1630.6	0.91	78.72
76.0-77.0	170.9	18.2	1648.8	0.88	79.60
77.0-78.0	164.8	17.6	1666.4	0.85	80.45
78.0-79.0	158.7	17.1	1683.5	0.82	81.28
79.0-80.0	152.7	16.5	1699.9	0.79	82.07
80.0-81.0	146.9	15.9	1715.8	0.77	82.84
81.0-82.0	141.2	15.3	1731.1	0.74	83.58
82.0-83.0	135.6	14.7	1745.9	0.71	84.29
83.0-84.0	130.3	14.2	1760.1	0.69	84.97
84.0-85.0	125.1	13.7	1773.7	0.66	85.63
85.0-86.0	120.1	13.1	1786.8	0.63	86.27
86.0-87.0	115.3	12.6	1799.5	0.61	86.88
87.0-88.0	110.7	12.1	1811.6	0.59	87.46
88.0-89.0	106.4	11.7	1823.3	0.56	88.03
89.0-90.0	102.3	11.2	1834.5	0.54	88.57
90.0-91.0	98.6	10.8	1845.3	0.52	89.09
91.0-92.0	95.1	10.4	1855.7	0.50	89.59
92.0-93.0	91.7	10.1	1865.8	0.49	90.08
93.0-94.0	88.5	9.7	1875.4	0.47	90.55
94.0-95.0	85.3	9.3	1884.8	0.45	91.00
95.0-96.0	82.3	9.0	1893.8	0.43	91.43
96.0-97.0	79.4	8.6	1902.4	0.42	91.85
97.0-98.0	76.5	8.3	1910.7	0.40	92.25
98.0-99.0	73.8	8.0	1918.7	0.39	92.63
99.0-100.0	70.6	7.6	1926.4	0.37	93.00
100.0-101.0	67.4	7.3	1933.6	0.35	93.35
101.0-102.0	64.6	6.9	1940.6	0.34	93.69
102.0-103.0	62.1	6.7	1947.2	0.32	94.01
103.0-104.0	59.9	6.4	1953.6	0.31	94.32
104.0-105.0	57.4	6.1	1959.7	0.29	94.61
105.0-106.0	53.3	5.6	1965.3	0.27	94.89
106.0-107.0	48.5	5.1	1970.4	0.25	95.13
107.0-108.0	44.8	4.7	1975.1	0.23	95.36

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: 8.008 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	41.5	4.3	1979.4	0.21	95.57
109.0-110.0	39.0	4.0	1983.5	0.19	95.76
110.0-111.0	38.1	3.9	1987.4	0.19	95.95
111.0-112.0	37.9	3.9	1991.3	0.19	96.14
112.0-113.0	37.5	3.8	1995.1	0.18	96.32
113.0-114.0	36.8	3.7	1998.8	0.18	96.50
114.0-115.0	36.4	3.6	2002.4	0.18	96.67
115.0-116.0	35.6	3.5	2005.9	0.17	96.84
116.0-117.0	34.5	3.4	2009.3	0.16	97.01
117.0-118.0	33.3	3.2	2012.5	0.16	97.16
118.0-119.0	32.2	3.1	2015.6	0.15	97.31
119.0-120.0	31.0	3.0	2018.6	0.14	97.46
120.0-121.0	29.8	2.8	2021.4	0.14	97.59
121.0-122.0	28.7	2.7	2024.1	0.13	97.72
122.0-123.0	27.7	2.6	2026.7	0.12	97.85
123.0-124.0	26.7	2.4	2029.1	0.12	97.96
124.0-125.0	25.7	2.3	2031.4	0.11	98.08
125.0-126.0	24.7	2.2	2033.6	0.11	98.18
126.0-127.0	23.8	2.1	2035.7	0.10	98.28
127.0-128.0	22.9	2.0	2037.7	0.10	98.38
128.0-129.0	22.0	1.9	2039.6	0.09	98.47
129.0-130.0	21.2	1.8	2041.4	0.09	98.56
130.0-131.0	20.4	1.7	2043.1	0.08	98.64
131.0-132.0	19.6	1.6	2044.7	0.08	98.72
132.0-133.0	19.0	1.5	2046.2	0.07	98.79
133.0-134.0	18.3	1.5	2047.7	0.07	98.86
134.0-135.0	17.6	1.4	2049.1	0.07	98.93
135.0-136.0	17.0	1.3	2050.4	0.06	98.99
136.0-137.0	16.5	1.2	2051.6	0.06	99.05
137.0-138.0	15.9	1.2	2052.8	0.06	99.11
138.0-139.0	15.4	1.1	2053.9	0.05	99.16
139.0-140.0	14.9	1.1	2055.0	0.05	99.21
140.0-141.0	14.4	1.0	2056.0	0.05	99.26
141.0-142.0	14.0	1.0	2057.0	0.05	99.31
142.0-143.0	13.6	0.9	2057.9	0.04	99.35
143.0-144.0	13.2	0.9	2058.7	0.04	99.39

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: 8.008 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	12.9	0.8	2059.5	0.04	99.43
145.0-146.0	12.6	0.8	2060.3	0.04	99.47
146.0-147.0	12.3	0.7	2061.1	0.04	99.51
147.0-148.0	12.0	0.7	2061.8	0.03	99.54
148.0-149.0	11.7	0.7	2062.4	0.03	99.57
149.0-150.0	11.4	0.6	2063.1	0.03	99.60
150.0-151.0	11.2	0.6	2063.7	0.03	99.63
151.0-152.0	11.0	0.6	2064.3	0.03	99.66
152.0-153.0	10.8	0.5	2064.8	0.03	99.69
153.0-154.0	10.6	0.5	2065.3	0.02	99.71
154.0-155.0	10.4	0.5	2065.8	0.02	99.74
155.0-156.0	10.2	0.5	2066.3	0.02	99.76
156.0-157.0	10.1	0.4	2066.7	0.02	99.78
157.0-158.0	9.9	0.4	2067.1	0.02	99.80
158.0-159.0	9.8	0.4	2067.5	0.02	99.82
159.0-160.0	9.7	0.4	2067.9	0.02	99.84
160.0-161.0	9.5	0.3	2068.3	0.02	99.85
161.0-162.0	9.4	0.3	2068.6	0.02	99.87
162.0-163.0	9.3	0.3	2068.9	0.01	99.88
163.0-164.0	9.2	0.3	2069.2	0.01	99.90
164.0-165.0	9.1	0.3	2069.4	0.01	99.91
165.0-166.0	8.9	0.2	2069.7	0.01	99.92
166.0-167.0	8.8	0.2	2069.9	0.01	99.93
167.0-168.0	8.8	0.2	2070.1	0.01	99.94
168.0-169.0	8.7	0.2	2070.3	0.01	99.95
169.0-170.0	8.6	0.2	2070.5	0.01	99.96
170.0-171.0	8.6	0.2	2070.6	0.01	99.97
171.0-172.0	8.5	0.1	2070.8	0.01	99.98
172.0-173.0	8.4	0.1	2070.9	0.01	99.98
173.0-174.0	8.4	0.1	2071.0	0.01	99.99
174.0-175.0	8.4	0.1	2071.1	0.00	99.99
175.0-176.0	8.4	0.1	2071.2	0.00	99.99
176.0-177.0	8.4	0.1	2071.2	0.00	100.00
177.0-178.0	8.5	0.0	2071.3	0.00	100.00
178.0-179.0	8.6	0.0	2071.3	0.00	100.00
179.0-180.0	8.6	0.0	2071.3	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: 8.008 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	534.7	533.8	533.0	532.9	532.4	532.0	534.7	533.8	533.0	532.9
G1.0	534.8	534.0	533.3	533.1	532.5	532.0	534.7	533.5	532.6	532.4
G2.0	534.5	534.0	533.5	533.2	532.6	531.9	534.3	533.0	532.2	532.0
G3.0	534.2	533.8	533.4	533.1	532.5	531.5	533.5	532.3	531.6	531.4
G4.0	533.6	533.5	533.2	533.0	532.0	531.2	532.6	531.3	530.7	530.4
G5.0	532.9	532.8	532.9	532.8	531.7	530.5	531.6	530.2	529.8	529.5
G6.0	532.0	532.0	532.2	532.5	531.1	529.6	530.3	529.0	528.5	528.6
G7.0	530.8	530.9	531.5	531.9	530.4	528.5	529.0	527.6	527.2	527.4
G8.0	529.4	529.8	530.7	531.3	529.5	527.1	527.3	525.9	525.8	526.1
G9.0	527.6	528.4	529.7	530.5	528.5	525.7	525.4	524.3	524.2	524.4
G10.0	525.8	526.9	528.7	529.6	527.4	524.2	523.4	522.2	522.5	522.8
G11.0	523.8	525.2	527.5	528.2	526.1	522.4	521.2	519.8	520.5	521.1
G12.0	521.6	523.4	526.0	527.0	524.5	520.4	518.8	517.5	518.5	519.2
G13.0	519.3	521.4	524.5	525.7	522.9	518.3	516.2	515.0	516.4	517.3
G14.0	516.8	518.9	522.5	524.1	521.1	515.8	513.5	512.2	513.9	515.2
G15.0	514.0	516.5	520.6	522.6	519.3	513.4	510.5	509.4	511.4	512.9
G16.0	511.0	513.9	518.5	520.8	517.2	510.7	507.5	506.3	508.8	510.6
G17.0	507.7	511.2	516.4	519.0	515.0	507.9	504.1	503.1	506.0	508.2
G18.0	504.3	508.3	514.1	517.0	512.7	505.0	500.3	499.7	503.3	505.4
G19.0	500.9	504.9	511.6	514.6	510.1	501.8	496.7	496.2	500.2	502.7
G20.0	497.1	501.7	509.0	512.4	507.4	498.6	492.9	492.5	497.1	499.9
G21.0	493.2	498.3	506.0	509.9	504.7	494.8	488.9	488.5	493.6	497.0
G22.0	489.3	494.7	503.2	507.4	501.8	491.3	484.7	484.5	490.3	494.0
G23.0	485.1	490.9	500.2	504.8	498.6	487.4	480.4	480.4	486.8	490.5
G24.0	480.5	487.0	497.0	502.0	495.5	483.4	475.9	476.1	483.1	487.3
G25.0	475.9	483.0	493.8	499.0	492.1	479.3	470.9	471.5	479.3	484.0
G26.0	471.2	478.4	490.3	496.0	488.7	475.1	466.0	466.9	475.4	480.4
G27.0	466.4	474.0	486.7	492.6	485.2	470.7	461.0	462.2	471.5	476.9
G28.0	461.4	469.4	483.1	489.4	481.3	466.2	456.0	457.3	467.1	473.2
G29.0	456.1	464.7	479.3	486.0	477.6	461.3	450.7	452.1	462.9	469.5
G30.0	450.9	460.0	475.0	482.6	473.7	456.4	445.3	447.0	458.5	465.3
G31.0	445.5	455.0	471.0	479.0	469.5	451.5	439.8	441.8	454.1	461.5
G32.0	439.6	449.6	467.0	475.0	465.4	446.4	433.7	436.3	449.7	457.4
G33.0	433.9	444.4	462.6	471.3	460.9	441.2	427.9	430.9	444.8	453.3
G34.0	428.0	439.0	458.2	467.3	456.5	435.9	422.0	425.3	440.1	449.1
G35.0	421.8	433.5	453.7	463.4	452.1	430.0	415.8	419.2	435.3	444.4
G36.0	415.7	427.9	448.8	459.3	447.6	424.4	409.6	413.4	430.3	440.0

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: 8.008 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	409.4	421.8	444.1	454.8	442.6	418.8	403.3	407.5	425.3	435.5
G38.0	403.0	415.9	439.2	450.5	437.9	412.9	396.8	401.4	420.2	431.0
G39.0	396.3	409.8	434.4	446.2	432.9	407.0	390.3	395.3	415.2	426.5
G40.0	389.6	403.9	429.1	441.3	427.7	400.5	383.2	389.2	409.6	421.8
G41.0	382.6	397.4	424.1	436.9	422.8	394.5	376.5	382.9	404.3	417.1
G42.0	375.8	391.0	418.8	432.3	417.6	388.1	369.7	376.4	399.1	412.4
G43.0	368.5	384.8	413.7	427.6	412.3	381.8	362.7	369.9	393.5	407.6
G44.0	361.4	378.1	408.1	423.0	407.1	375.0	355.4	363.4	388.1	402.3
G45.0	353.8	371.6	402.7	417.7	401.5	368.6	348.3	356.4	382.2	397.4
G46.0	346.6	364.6	397.2	413.0	396.1	361.9	341.0	349.7	376.8	392.4
G47.0	339.0	357.9	391.7	407.9	390.5	355.2	333.1	342.9	371.2	387.3
G48.0	331.4	351.1	385.7	402.9	385.0	348.5	325.7	335.9	365.6	382.1
G49.0	323.7	343.8	380.0	397.8	379.4	341.6	318.1	329.0	359.7	376.6
G50.0	316.0	336.8	374.3	392.6	373.7	334.2	310.4	322.0	354.0	371.4
G51.0	308.0	329.8	368.6	387.5	368.0	327.7	302.4	315.0	348.2	366.2
G52.0	299.6	322.6	362.8	381.8	361.9	320.1	294.7	308.0	342.5	361.0
G53.0	291.7	315.2	356.9	376.7	356.1	313.0	286.8	300.5	336.3	355.9
G54.0	283.4	308.1	351.1	371.3	350.3	305.9	278.3	293.4	330.5	350.4
G55.0	275.3	300.6	345.0	366.1	344.5	298.4	270.3	286.3	324.7	345.1
G56.0	266.7	293.0	338.9	360.4	338.4	291.2	262.3	279.0	318.8	339.5
G57.0	258.0	285.7	333.1	354.9	332.4	283.9	253.8	271.9	313.0	334.1
G58.0	249.7	278.1	326.8	349.6	326.6	276.7	245.6	264.7	307.1	328.8
G59.0	240.8	270.8	320.9	343.8	320.4	269.0	236.8	257.0	300.9	323.3
G60.0	232.2	263.5	314.9	338.4	314.5	261.8	228.5	249.8	295.0	317.9
G61.0	223.3	255.8	308.9	332.8	308.5	254.3	219.9	242.6	289.2	312.0
G62.0	214.6	248.1	302.9	327.4	302.2	247.1	211.0	235.2	283.1	306.7
G63.0	205.5	240.7	296.6	321.6	296.4	239.5	202.5	228.1	277.3	301.2
G64.0	196.8	233.1	290.5	316.1	290.5	232.3	193.8	220.8	271.5	295.9
G65.0	187.6	225.8	284.8	310.6	284.7	224.8	185.3	213.7	265.8	290.5
G66.0	178.3	218.2	278.5	305.2	278.5	217.8	176.2	206.2	259.6	285.1
G67.0	169.5	210.8	272.7	299.4	272.7	210.3	167.5	199.1	253.9	279.8
G68.0	160.4	203.6	266.8	293.9	267.0	203.0	158.4	192.1	248.2	274.1
G69.0	151.0	196.1	260.5	288.4	260.9	196.0	149.8	185.2	242.4	268.9
G70.0	142.1	188.9	254.8	282.6	255.1	188.7	140.5	177.9	236.8	263.4
G71.0	132.9	181.8	248.9	277.3	249.4	181.9	131.8	171.1	231.2	258.2
G72.0	124.0	174.6	242.8	271.8	243.3	174.9	123.0	164.4	225.6	252.8
G73.0	114.6	167.8	237.2	266.3	237.7	168.2	114.3	157.6	219.8	247.6

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: 8.008 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	105.6	160.8	231.4	260.5	232.0	161.3	105.6	151.1	214.3	241.9
G75.0	96.9	153.9	225.9	255.2	226.6	154.9	97.1	144.7	208.9	236.7
G76.0	87.7	147.5	220.0	249.8	220.7	148.3	88.3	138.4	203.6	231.6
G77.0	79.7	141.0	214.4	244.1	215.3	142.1	80.3	132.0	198.2	226.3
G78.0	71.2	134.5	209.1	238.9	210.0	135.8	72.7	126.0	193.0	221.2
G79.0	62.4	128.5	203.4	233.6	204.3	129.7	63.9	120.0	187.9	216.3
G80.0	54.4	122.5	198.2	228.3	199.2	124.0	55.7	114.3	182.6	211.0
G81.0	46.7	116.9	192.8	222.8	193.9	118.4	48.1	108.6	177.9	206.1
G82.0	38.9	111.0	187.3	217.8	188.5	112.8	41.2	103.4	173.1	201.1
G83.0	32.1	105.6	182.2	212.6	183.5	107.4	34.1	98.2	168.1	196.3
G84.0	25.6	100.2	177.0	207.6	178.5	102.1	27.6	93.4	163.4	191.2
G85.0	19.8	95.3	172.1	202.2	173.5	97.2	21.6	88.6	158.9	186.5
G86.0	14.3	90.2	167.0	197.3	168.8	92.2	16.3	83.8	154.3	181.8
G87.0	9.9	85.6	162.2	192.4	163.7	87.6	11.7	79.5	149.8	177.2
G88.0	6.3	81.2	157.3	187.3	158.9	83.1	7.8	75.3	145.5	172.6
G89.0	3.6	76.8	152.6	182.7	154.4	78.8	4.9	71.1	140.8	168.2
G90.0	2.3	72.8	148.1	177.9	149.5	74.7	3.0	67.1	136.5	163.5
G91.0	1.9	69.0	143.6	173.4	145.1	70.8	2.2	63.5	132.4	159.2
G92.0	1.9	65.2	139.1	168.4	140.7	66.9	2.2	60.1	128.3	154.9
G93.0	2.0	61.8	134.9	163.9	136.1	63.2	2.4	57.0	124.0	150.7
G94.0	2.3	58.7	130.7	159.6	131.8	59.4	2.5	53.8	119.9	146.3
G95.0	2.2	55.7	126.7	154.9	127.5	55.7	2.8	51.0	116.1	142.3
G96.0	2.3	52.5	122.6	150.6	123.1	52.6	3.0	48.2	112.3	138.3
G97.0	2.5	49.8	118.8	146.4	119.2	49.9	3.1	45.5	108.3	134.2
G98.0	2.4	47.4	115.0	142.3	115.3	47.4	3.2	42.9	104.7	130.3
G99.0	2.5	44.8	111.5	138.3	111.5	45.1	3.3	39.6	101.1	126.5
G100.0	2.7	40.0	107.8	133.9	107.7	40.3	3.4	35.0	97.7	122.5
G101.0	2.7	36.3	104.3	130.0	104.1	36.6	3.5	31.7	94.5	118.9
G102.0	2.8	33.1	100.9	125.9	100.7	33.5	3.7	29.1	91.1	115.2
G103.0	3.0	31.6	97.7	122.2	97.2	31.9	3.8	27.8	88.0	111.7
G104.0	3.0	30.2	94.4	118.5	93.8	30.5	3.8	26.2	84.5	108.1
G105.0	3.1	28.4	91.1	114.6	90.7	28.8	4.0	24.5	76.6	104.7
G106.0	3.3	26.5	80.4	111.1	80.0	27.0	4.2	22.8	61.9	100.9
G107.0	3.3	25.3	66.5	107.6	66.4	25.9	4.3	21.8	59.1	94.6
G108.0	3.3	24.5	62.5	100.7	62.6	24.9	4.3	21.0	56.2	78.2
G109.0	3.6	23.5	59.3	82.7	58.9	23.9	4.5	20.1	54.0	72.5
G110.0	3.7	22.7	57.0	75.7	56.3	23.0	4.6	19.4	53.3	70.0

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: 8.008 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	3.7	22.0	56.7	72.5	55.7	22.1	4.7	18.7	56.8	67.8
G112.0	3.9	21.0	60.6	70.1	59.4	21.3	4.8	17.9	55.7	65.7
G113.0	4.0	20.3	60.1	67.8	59.0	20.5	4.9	17.2	54.4	65.0
G114.0	3.9	19.5	58.8	67.5	57.7	19.8	5.1	16.7	52.4	69.4
G115.0	4.2	18.7	56.9	72.6	55.8	19.0	5.2	16.0	50.2	68.9
G116.0	4.1	17.9	54.8	72.8	53.9	18.3	5.3	15.5	48.1	67.6
G117.0	4.1	16.7	53.0	71.6	52.0	17.7	5.3	15.1	45.8	65.2
G118.0	4.4	16.0	51.2	69.4	50.1	16.9	5.5	14.7	43.5	62.8
G119.0	4.5	15.5	49.3	67.0	48.3	16.3	5.6	14.4	41.4	60.4
G120.0	4.4	15.0	47.6	64.2	46.6	15.7	5.6	13.9	39.4	58.1
G121.0	4.4	14.3	46.0	61.8	44.8	15.1	5.7	13.6	37.7	55.8
G122.0	4.7	13.7	44.2	59.5	43.2	14.5	5.9	13.3	36.2	53.5
G123.0	4.7	13.2	42.7	57.2	41.5	14.1	6.0	13.1	34.9	51.4
G124.0	4.6	12.5	41.1	54.8	39.8	13.6	6.0	12.8	33.5	49.3
G125.0	4.8	12.1	39.4	52.8	38.3	13.0	6.1	12.4	32.1	47.2
G126.0	4.7	11.9	37.8	50.5	36.8	12.7	6.2	12.2	30.7	44.8
G127.0	4.9	11.5	36.2	48.6	35.2	12.3	6.3	12.0	29.4	42.8
G128.0	5.0	11.2	34.6	46.5	33.8	12.1	6.3	11.8	28.0	41.0
G129.0	4.9	10.9	33.2	44.6	32.4	11.9	6.4	11.4	26.6	39.4
G130.0	5.2	10.6	31.8	42.8	30.8	11.6	6.5	11.2	25.4	37.6
G131.0	5.3	10.4	30.3	41.1	29.4	11.4	6.6	11.1	24.3	36.0
G132.0	5.3	10.1	29.0	39.2	28.1	11.3	6.6	10.9	23.3	34.7
G133.0	5.5	9.8	27.7	37.5	26.9	10.9	6.7	10.8	22.5	33.3
G134.0	5.5	9.6	26.3	35.8	25.5	10.8	6.8	10.4	21.7	32.1
G135.0	5.6	9.3	25.1	34.2	24.4	10.7	6.8	10.2	21.1	30.6
G136.0	5.9	9.1	23.8	32.7	23.3	10.4	6.8	10.1	20.6	29.4
G137.0	5.8	8.9	22.1	31.0	22.0	10.2	6.8	9.9	20.0	28.5
G138.0	6.1	8.7	21.1	29.7	21.0	10.1	6.9	9.6	19.4	27.7
G139.0	6.2	8.6	20.2	28.3	19.8	9.8	6.8	9.4	18.9	26.6
G140.0	6.2	8.4	19.1	26.9	18.8	9.7	6.8	9.4	18.4	25.9
G141.0	6.4	8.4	18.3	25.6	18.0	9.5	6.9	9.3	17.9	25.2
G142.0	6.5	8.3	17.6	24.4	17.2	9.4	6.8	9.0	17.4	24.5
G143.0	6.4	8.2	16.9	23.0	16.6	9.3	6.8	8.9	17.0	23.6
G144.0	6.5	8.0	16.1	21.8	16.1	9.2	6.8	9.0	16.6	23.1
G145.0	6.7	8.0	15.5	20.9	15.6	9.1	6.8	8.9	16.2	22.5
G146.0	6.7	7.8	14.7	20.0	14.9	9.0	6.8	8.7	15.8	21.9
G147.0	6.7	7.8	14.1	19.3	14.6	8.9	6.7	8.7	15.5	21.1

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: 8.008 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	6.9	7.8	13.6	18.8	14.0	8.7	6.7	8.6	15.1	20.6
G149.0	6.6	7.7	12.9	18.2	13.5	8.6	6.7	8.7	14.8	20.2
G150.0	6.8	7.7	12.3	17.4	13.2	8.6	6.7	8.5	14.5	19.5
G151.0	7.0	7.8	11.5	16.9	12.9	8.5	6.7	8.6	14.3	19.2
G152.0	6.9	7.7	11.1	16.2	12.3	8.4	6.7	8.4	14.0	18.8
G153.0	7.1	7.8	11.0	15.6	12.1	8.4	6.7	8.4	13.7	18.1
G154.0	7.1	7.8	10.8	15.2	11.6	8.2	6.7	8.3	13.5	17.7
G155.0	7.1	7.6	10.3	14.8	11.3	8.1	6.8	8.4	13.2	17.3
G156.0	7.2	7.6	10.0	14.4	11.0	8.1	6.9	8.4	13.0	17.0
G157.0	7.3	7.7	9.9	14.0	10.7	8.1	6.9	8.2	12.8	16.5
G158.0	7.2	7.6	9.6	13.5	10.3	7.9	6.9	8.1	12.6	16.2
G159.0	7.3	7.6	9.5	13.3	10.1	8.0	7.0	8.3	12.3	15.8
G160.0	7.3	7.7	9.3	12.9	9.7	7.8	7.0	8.2	12.1	15.6
G161.0	7.4	7.5	9.0	12.5	9.6	7.8	7.0	8.1	11.9	15.2
G162.0	7.3	7.5	8.8	12.3	9.2	7.7	7.0	8.1	11.7	15.1
G163.0	7.3	7.5	8.6	12.2	9.1	7.7	7.0	8.1	11.6	14.8
G164.0	7.5	7.6	8.6	12.0	8.8	7.7	7.0	8.1	11.5	14.5
G165.0	7.5	7.4	8.4	11.8	8.6	7.7	7.0	7.9	11.2	14.0
G166.0	7.4	7.4	8.4	11.7	8.4	7.6	7.0	7.9	11.1	13.8
G167.0	7.3	7.4	8.2	11.3	8.2	7.5	7.0	8.0	11.0	13.7
G168.0	7.3	7.7	8.1	11.2	8.0	7.5	7.0	8.0	10.9	13.4
G169.0	7.4	7.6	8.2	11.2	7.9	7.5	7.0	8.0	10.7	13.3
G170.0	7.2	7.5	8.1	11.1	7.8	7.5	6.9	7.8	10.6	12.9
G171.0	7.2	7.5	7.9	10.9	7.7	7.3	6.9	8.0	10.5	12.9
G172.0	7.1	7.3	7.9	10.8	7.7	7.3	6.9	7.8	10.3	12.6
G173.0	7.2	7.3	7.8	10.8	7.6	7.3	6.9	7.8	10.2	12.5
G174.0	7.1	7.5	7.8	10.8	7.6	7.4	6.9	8.0	10.1	12.3
G175.0	7.0	7.6	7.8	10.8	7.4	7.3	6.9	7.9	10.1	12.3
G176.0	7.1	7.5	8.1	10.9	7.5	7.5	6.9	8.0	10.1	12.1
G177.0	7.1	7.6	8.4	11.3	7.7	7.4	6.9	8.0	9.9	12.1
G178.0	7.1	7.7	8.6	11.6	7.7	7.5	7.0	8.0	9.9	11.9
G179.0	7.0	7.8	9.0	11.8	7.8	7.6	7.0	7.8	9.8	11.9
G180.0	6.9	7.8	9.4	11.9	7.9	7.6	7.1	7.8	9.4	11.9

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-1800B  
 Distance: 8.008 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	532.4	532.0	534.7							
G1.0	532.0	531.9	534.8							
G2.0	531.5	531.5	534.5							
G3.0	530.8	530.9	534.2							
G4.0	530.1	529.9	533.6							
G5.0	529.2	528.9	532.9							
G6.0	527.9	527.9	532.0							
G7.0	526.7	526.5	530.8							
G8.0	525.3	525.1	529.4							
G9.0	523.9	523.2	527.6							
G10.0	522.2	521.3	525.8							
G11.0	520.4	519.3	523.8							
G12.0	518.5	517.1	521.6							
G13.0	516.1	514.6	519.3							
G14.0	513.8	512.1	516.8							
G15.0	511.8	509.4	514.0							
G16.0	509.0	506.5	511.0							
G17.0	506.3	503.4	507.7							
G18.0	503.6	500.3	504.3							
G19.0	500.7	496.6	500.9							
G20.0	497.7	493.1	497.1							
G21.0	494.5	489.4	493.2							
G22.0	490.9	485.5	489.3							
G23.0	487.5	481.5	485.1							
G24.0	483.9	477.3	480.5							
G25.0	480.2	472.7	475.9							
G26.0	476.5	468.3	471.2							
G27.0	472.5	463.7	466.4							
G28.0	468.6	459.0	461.4							
G29.0	464.5	454.0	456.1							
G30.0	460.0	449.0	450.9							
G31.0	455.7	443.9	445.5							
G32.0	451.4	438.4	439.6							
G33.0	446.9	433.1	433.9							
G34.0	442.1	427.6	428.0							
G35.0	437.4	421.8	421.8							
G36.0	432.6	416.1	415.7							

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: 8.008 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	427.8	410.3	409.4							
G38.0	422.5	404.4	403.0							
G39.0	417.8	398.0	396.3							
G40.0	412.5	391.9	389.6							
G41.0	407.3	385.8	382.6							
G42.0	402.1	379.3	375.8							
G43.0	396.6	373.0	368.5							
G44.0	391.2	366.5	361.4							
G45.0	385.9	359.7	353.8							
G46.0	380.0	353.0	346.6							
G47.0	374.5	346.4	339.0							
G48.0	368.9	339.7	331.4							
G49.0	363.1	332.6	323.7							
G50.0	357.4	325.7	316.0							
G51.0	351.7	318.8	308.0							
G52.0	345.8	311.5	299.6							
G53.0	340.1	304.6	291.7							
G54.0	334.3	297.2	283.4							
G55.0	328.3	290.2	275.3							
G56.0	322.6	283.2	266.7							
G57.0	316.6	275.8	258.0							
G58.0	310.9	268.6	249.7							
G59.0	305.1	261.5	240.8							
G60.0	299.0	254.1	232.2							
G61.0	293.2	246.9	223.3							
G62.0	287.3	239.8	214.6							
G63.0	281.3	232.3	205.5							
G64.0	275.3	225.2	196.8							
G65.0	269.5	218.2	187.6							
G66.0	263.9	210.9	178.3							
G67.0	257.9	203.9	169.5							
G68.0	252.4	196.8	160.4							
G69.0	246.9	189.9	151.0							
G70.0	240.9	182.8	142.1							
G71.0	235.4	176.1	132.9							
G72.0	229.9	169.4	124.0							
G73.0	224.4	162.9	114.6							

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: 8.008 m  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	218.8	156.5	105.6							
G75.0	213.4	150.2	96.9							
G76.0	208.1	143.7	87.7							
G77.0	202.4	137.6	79.7							
G78.0	197.3	131.4	71.2							
G79.0	192.1	125.6	62.4							
G80.0	186.9	119.7	54.4							
G81.0	181.6	114.2	46.7							
G82.0	176.6	108.8	38.9							
G83.0	171.5	103.3	32.1							
G84.0	166.6	98.1	25.6							
G85.0	161.8	93.1	19.8							
G86.0	156.7	88.1	14.3							
G87.0	152.0	83.6	9.9							
G88.0	147.3	79.1	6.3							
G89.0	142.9	75.0	3.6							
G90.0	138.0	70.9	2.3							
G91.0	133.7	67.2	1.9							
G92.0	129.5	63.6	1.9							
G93.0	125.1	60.1	2.0							
G94.0	121.1	56.7	2.3							
G95.0	117.1	53.6	2.2							
G96.0	113.2	50.7	2.3							
G97.0	109.4	47.8	2.5							
G98.0	105.7	45.2	2.4							
G99.0	102.1	42.3	2.5							
G100.0	98.3	37.7	2.7							
G101.0	94.8	34.2	2.7							
G102.0	91.5	31.3	2.8							
G103.0	87.9	29.7	3.0							
G104.0	84.6	28.3	3.0							
G105.0	78.9	26.4	3.1							
G106.0	63.8	24.7	3.3							
G107.0	59.8	23.3	3.3							
G108.0	56.8	22.2	3.3							
G109.0	54.1	21.2	3.6							
G110.0	52.6	20.3	3.7							

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: 8.008 m  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	54.9	19.4	3.7							
G112.0	55.3	18.5	3.9							
G113.0	53.8	17.7	4.0							
G114.0	51.7	17.1	3.9							
G115.0	49.8	16.3	4.2							
G116.0	47.8	15.6	4.1							
G117.0	45.9	15.1	4.1							
G118.0	43.8	14.5	4.4							
G119.0	42.0	14.0	4.5							
G120.0	40.2	13.7	4.4							
G121.0	38.5	13.2	4.4							
G122.0	36.8	13.0	4.7							
G123.0	35.0	12.7	4.7							
G124.0	33.4	12.5	4.6							
G125.0	31.8	12.2	4.8							
G126.0	30.4	11.9	4.7							
G127.0	28.8	11.7	4.9							
G128.0	27.4	11.5	5.0							
G129.0	26.0	11.4	4.9							
G130.0	24.7	11.1	5.2							
G131.0	23.5	10.8	5.3							
G132.0	22.4	10.7	5.3							
G133.0	21.5	10.4	5.5							
G134.0	20.7	10.3	5.5							
G135.0	20.0	9.9	5.6							
G136.0	19.4	9.8	5.9							
G137.0	18.7	9.7	5.8							
G138.0	18.0	9.6	6.1							
G139.0	17.4	9.3	6.2							
G140.0	16.9	9.1	6.2							
G141.0	16.4	9.1	6.4							
G142.0	15.8	9.0	6.5							
G143.0	15.3	8.7	6.4							
G144.0	14.9	8.9	6.5							
G145.0	14.4	8.9	6.7							
G146.0	13.9	8.8	6.7							
G147.0	13.4	8.6	6.7							

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: 8.008 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	12.9	8.5	6.9							
G149.0	12.4	8.6	6.6							
G150.0	12.1	8.4	6.8							
G151.0	11.7	8.5	7.0							
G152.0	11.3	8.4	6.9							
G153.0	11.0	8.2	7.1							
G154.0	10.7	8.2	7.1							
G155.0	10.4	8.1	7.1							
G156.0	10.1	8.2	7.2							
G157.0	9.9	8.0	7.3							
G158.0	9.7	8.0	7.2							
G159.0	9.5	8.0	7.3							
G160.0	9.3	8.0	7.3							
G161.0	9.2	7.8	7.4							
G162.0	9.0	7.9	7.3							
G163.0	8.9	7.8	7.3							
G164.0	8.7	7.7	7.5							
G165.0	8.7	7.7	7.5							
G166.0	8.6	7.7	7.4							
G167.0	8.4	7.6	7.3							
G168.0	8.3	7.6	7.3							
G169.0	8.1	7.6	7.4							
G170.0	8.1	7.4	7.2							
G171.0	8.1	7.5	7.2							
G172.0	8.1	7.4	7.1							
G173.0	8.0	7.4	7.2							
G174.0	8.0	7.4	7.1							
G175.0	8.0	7.4	7.0							
G176.0	7.8	7.4	7.1							
G177.0	7.9	7.6	7.1							
G178.0	7.8	7.6	7.1							
G179.0	8.0	7.4	7.0							
G180.0	7.8	7.6	6.9							

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-1800B  
 Distance: 8.008 m  
 Humidity:  
 Inspector: