

Report No.:

Test Time: 2025-11-04 15:13

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: T-SUBFOT/50W-A

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.6810 A

Power Factor: 0.9830

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 220.10 V

Power: 147.40 W

Photometric Results

CIE Class: Direct

Measurement Flux: 17792.6 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H124.2

Vertical Diffuse Angle(50%): V65.6

Luminous Efficacy (lm/w): 120.71

Max. Intensity: 10364.77 cd

S/MH(C0/C180): 2.00

Total Rated Lamp Lumens: 17792.6 lm

Efficiency: 100%

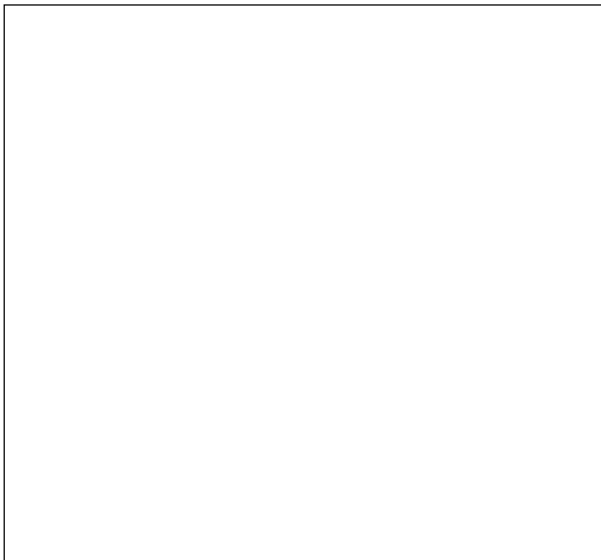
Upward Ratio: 1%

C0r0 Intensity: 7198.37 cd

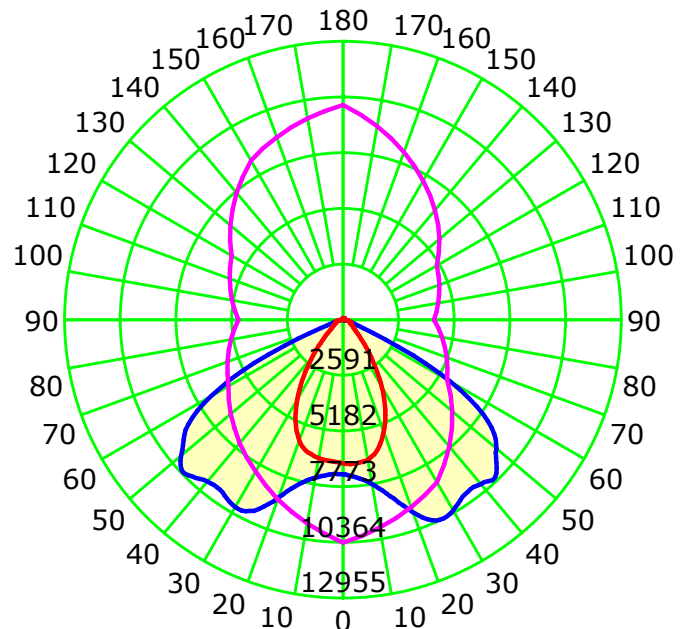
Pos of Max. Intensity: H0 V27

S/MH(C90/C270): 1.00

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 94.8°

— C0-C180 — C90-C270 — G27

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

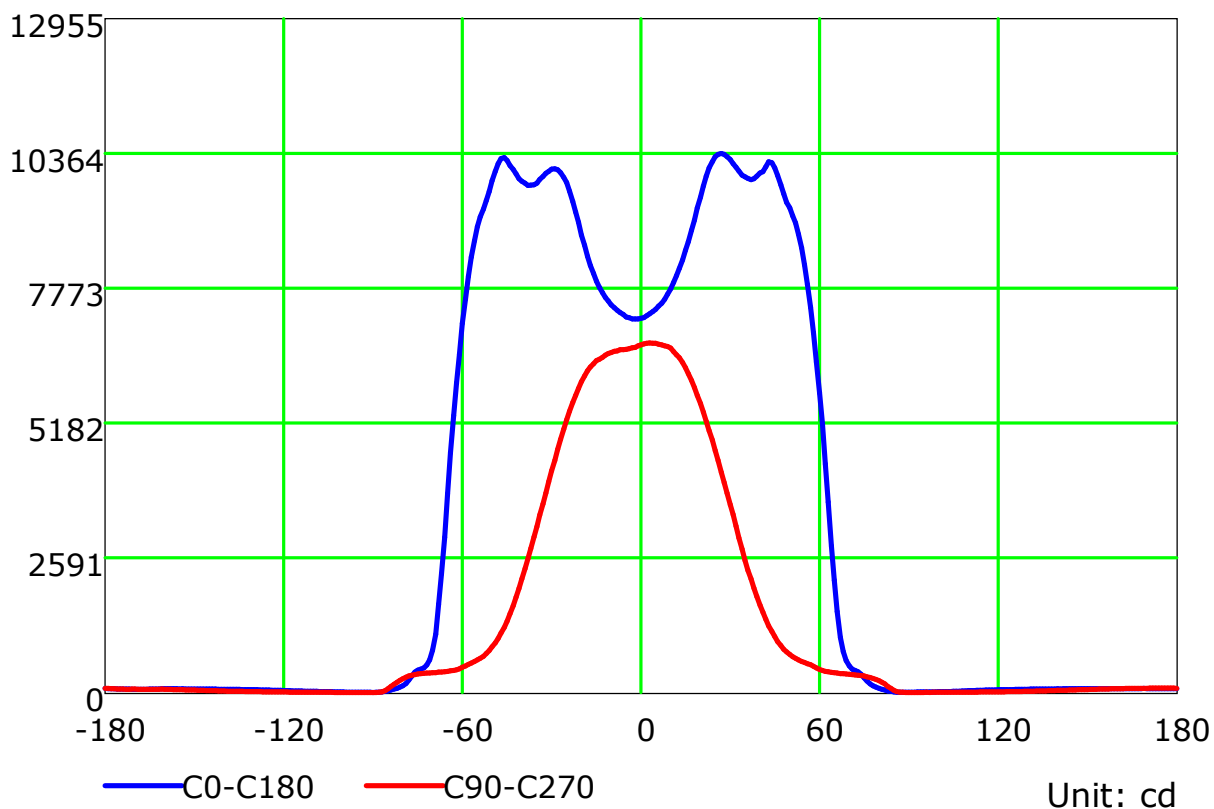
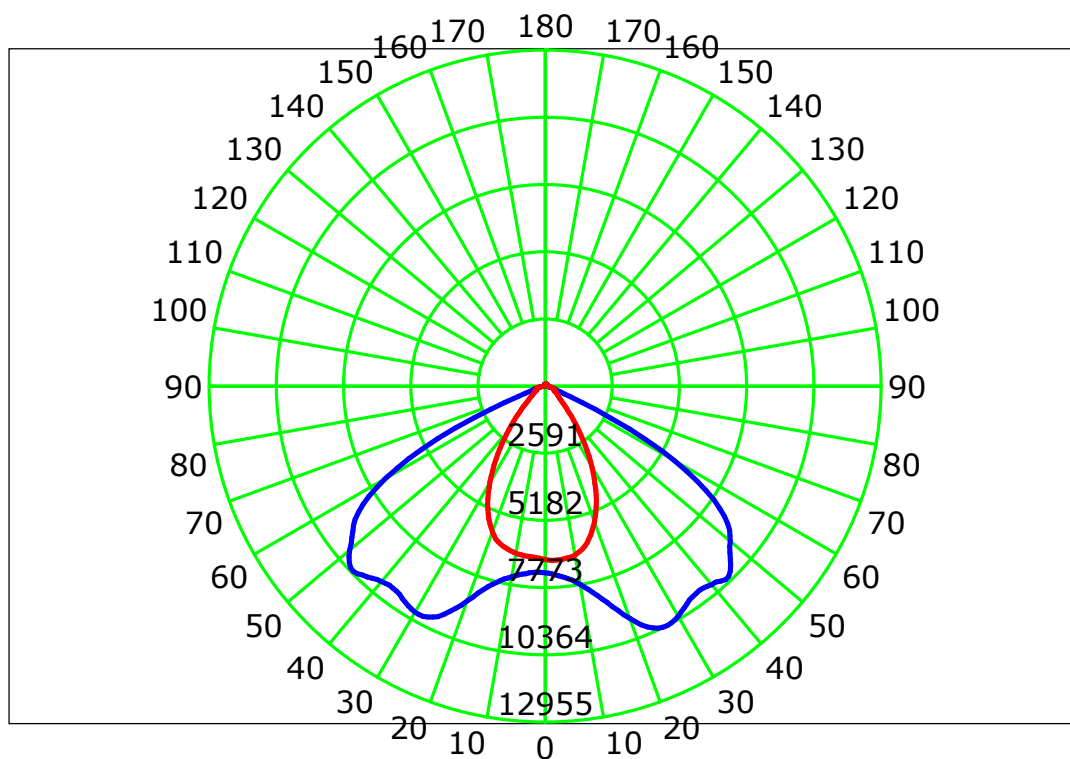
Test Device: GPM-1600L

Distance: 9.903 m [K=1.0000]

Humidity:

Inspector:

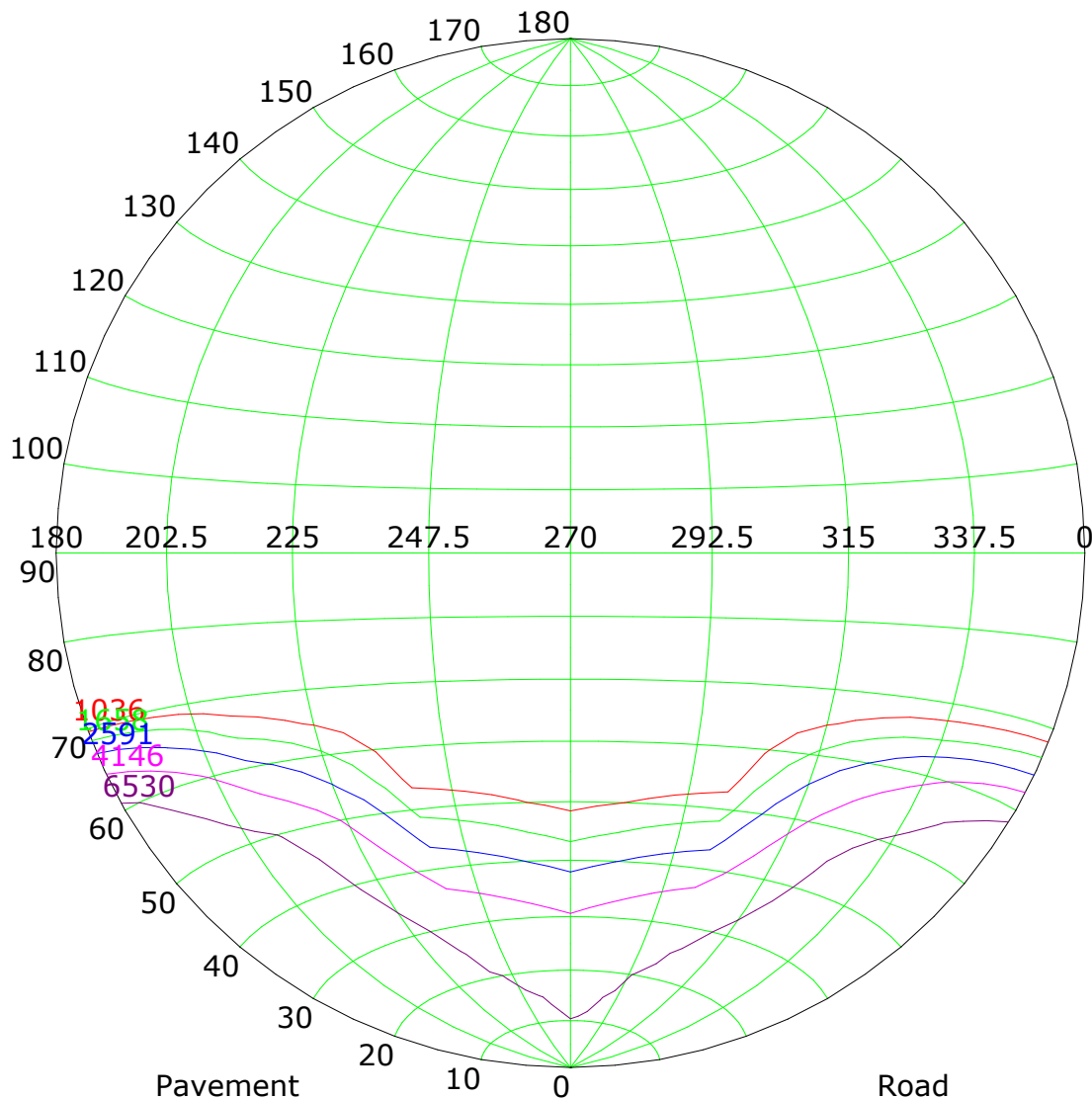
Luminous Intensity Distribution Curve



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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 10365 cd

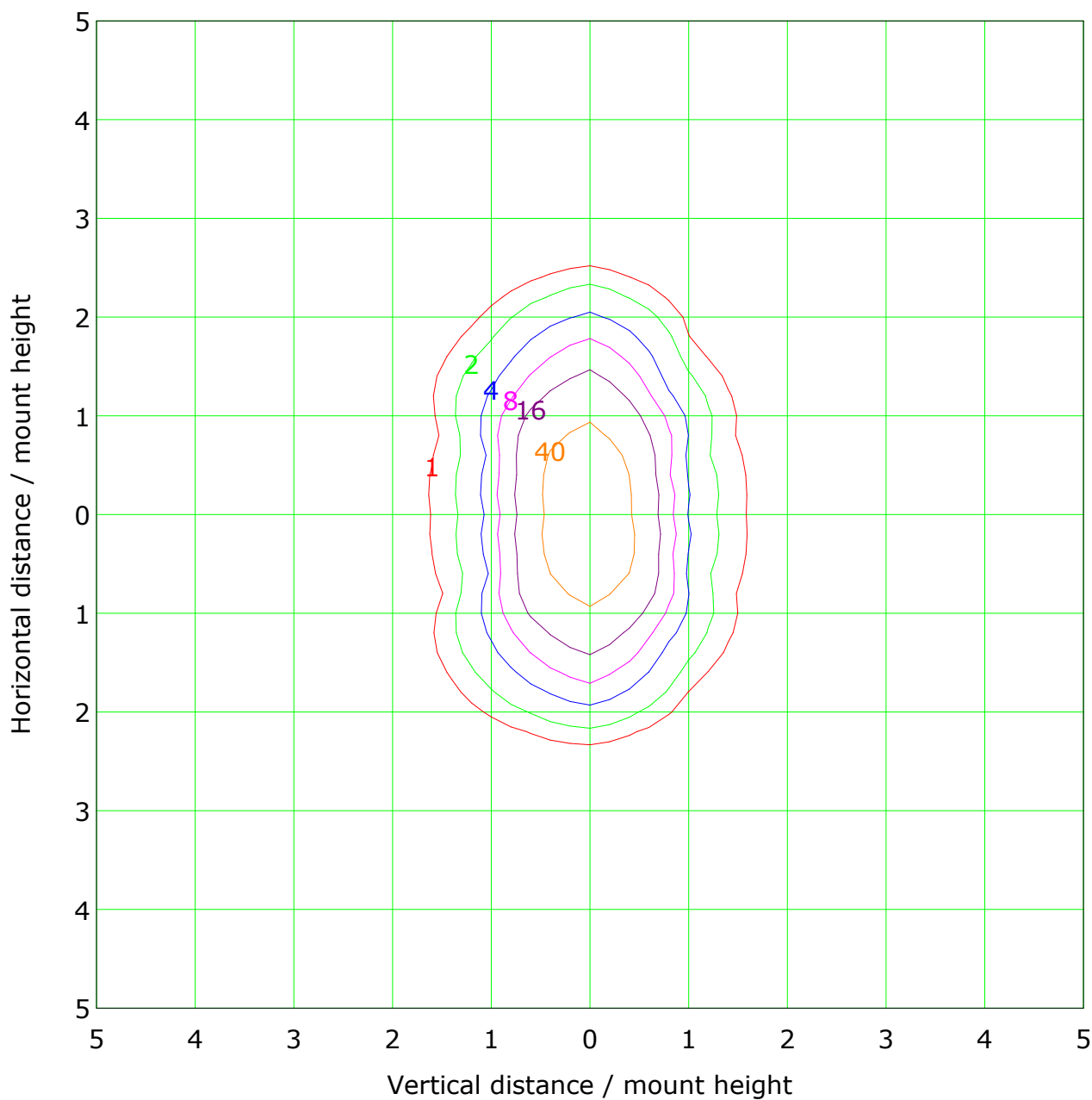
(10%): 1036 cd
(25%): 2591 cd
(63%): 6530 cd

(16%): 1658 cd
(40%): 4146 cd
(100%): 10365 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.482 cd/klm

IES: Cut-off
Max.At80: 15.201 cd/klm
Max.80-90: 15.201 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 79.2 lx

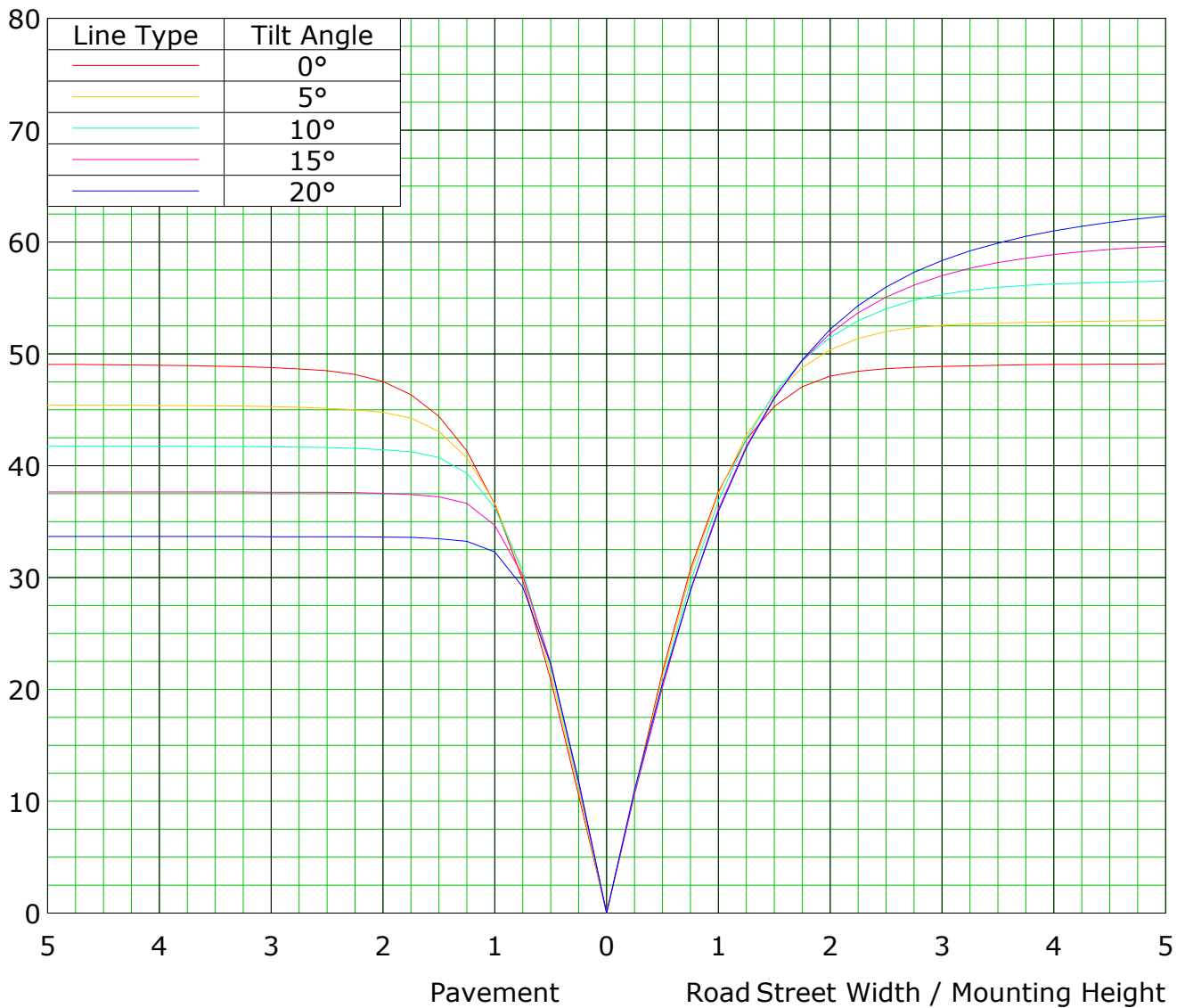
(1%): 0.8 lx	(2%): 1.6 lx
(5%): 4.0 lx	(10%): 7.9 lx
(20%): 15.8 lx	(50%): 39.6 lx
(100%): 79.2 lx	

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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



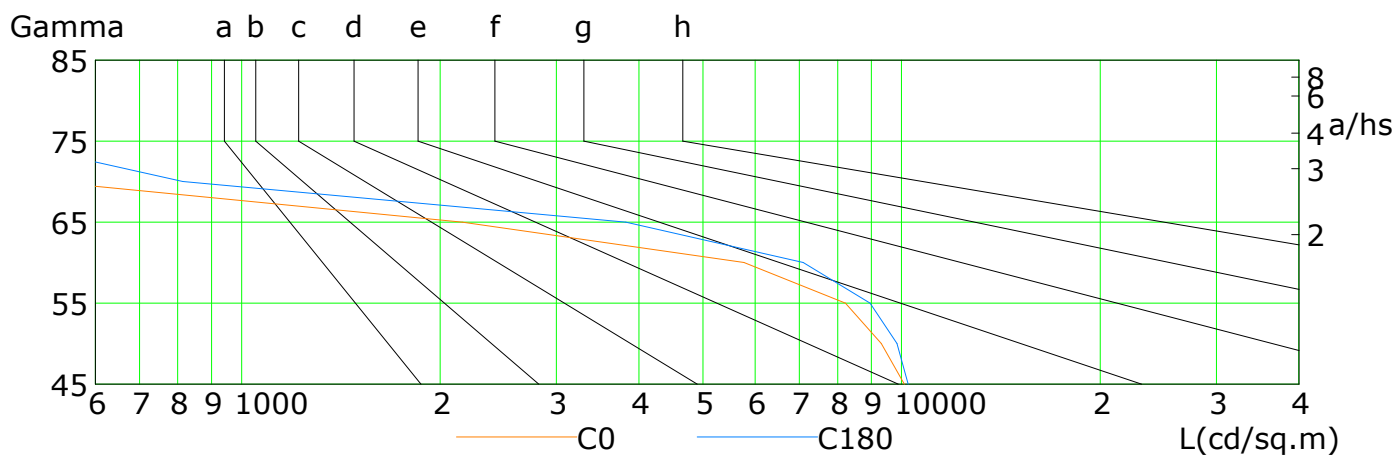
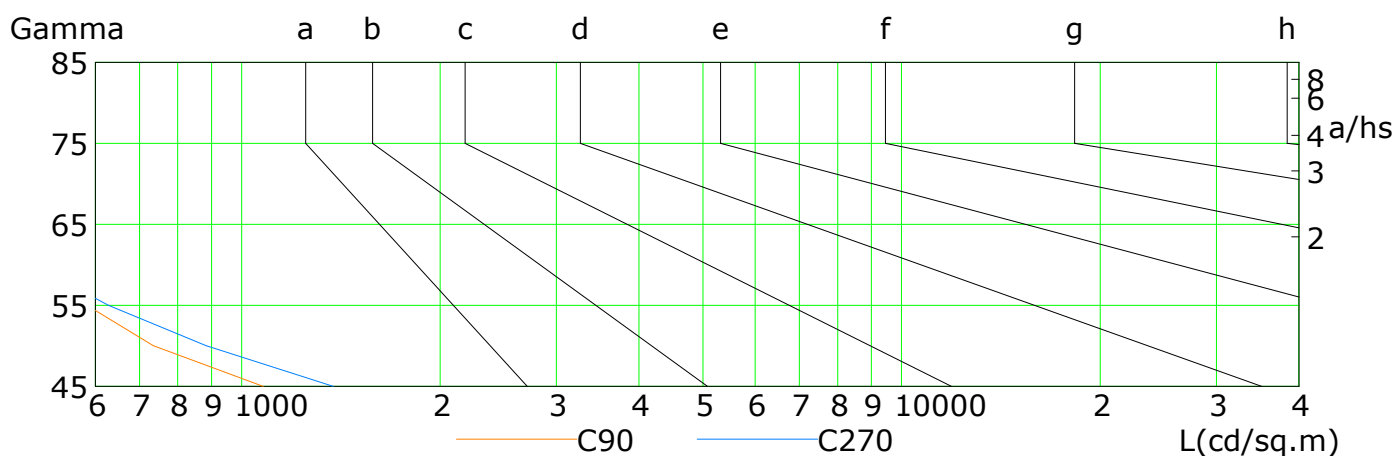
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Lum Limit Curve

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

a b c d e f g h

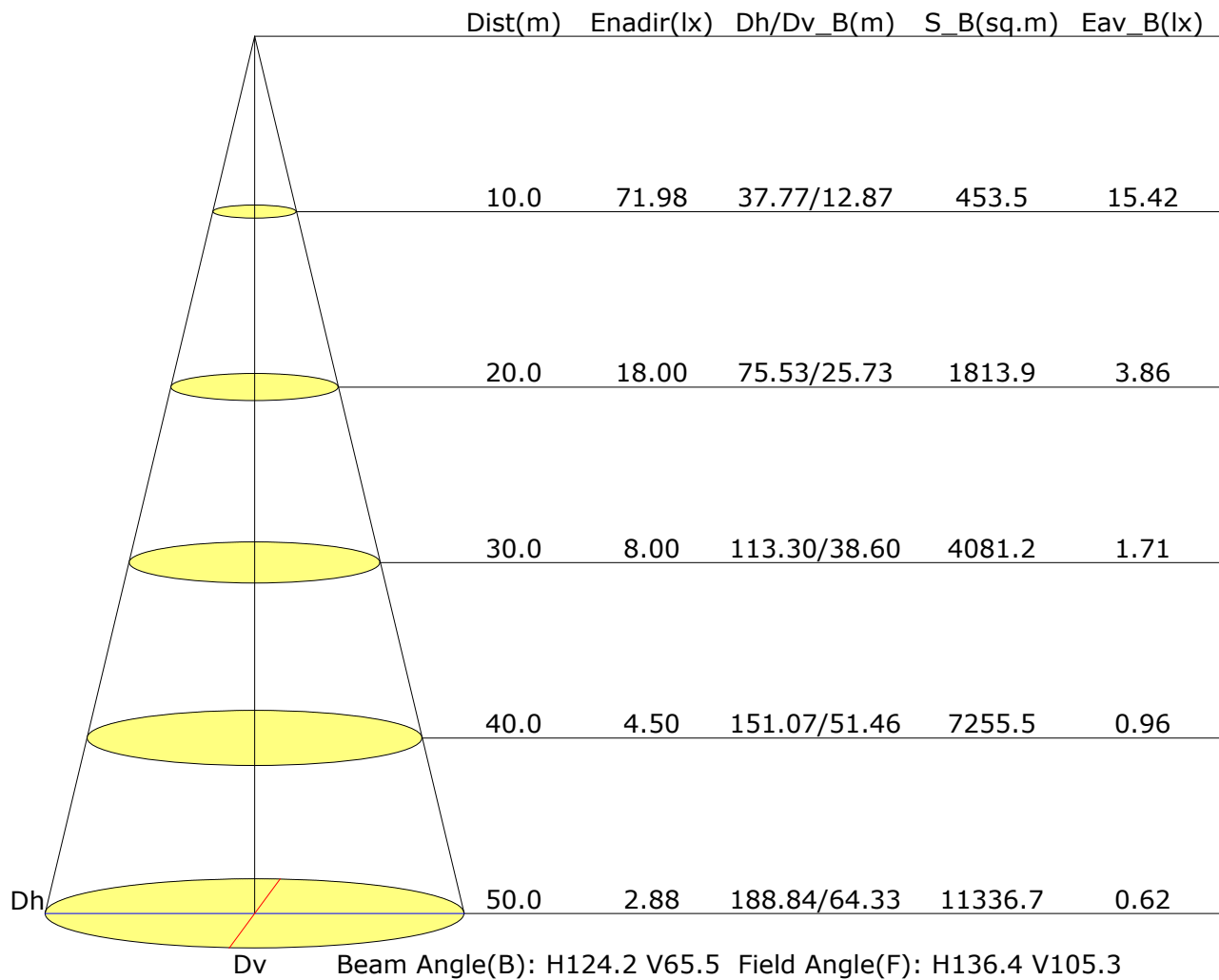


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	10093	9320	8224	5767	2160	511	284	84	17
C90	1078	735	583	445	386	352	320	232	45
C180	10233	9842	8956	7097	3823	815	437	134	36
C270	1377	884	629	486	412	385	359	270	75

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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

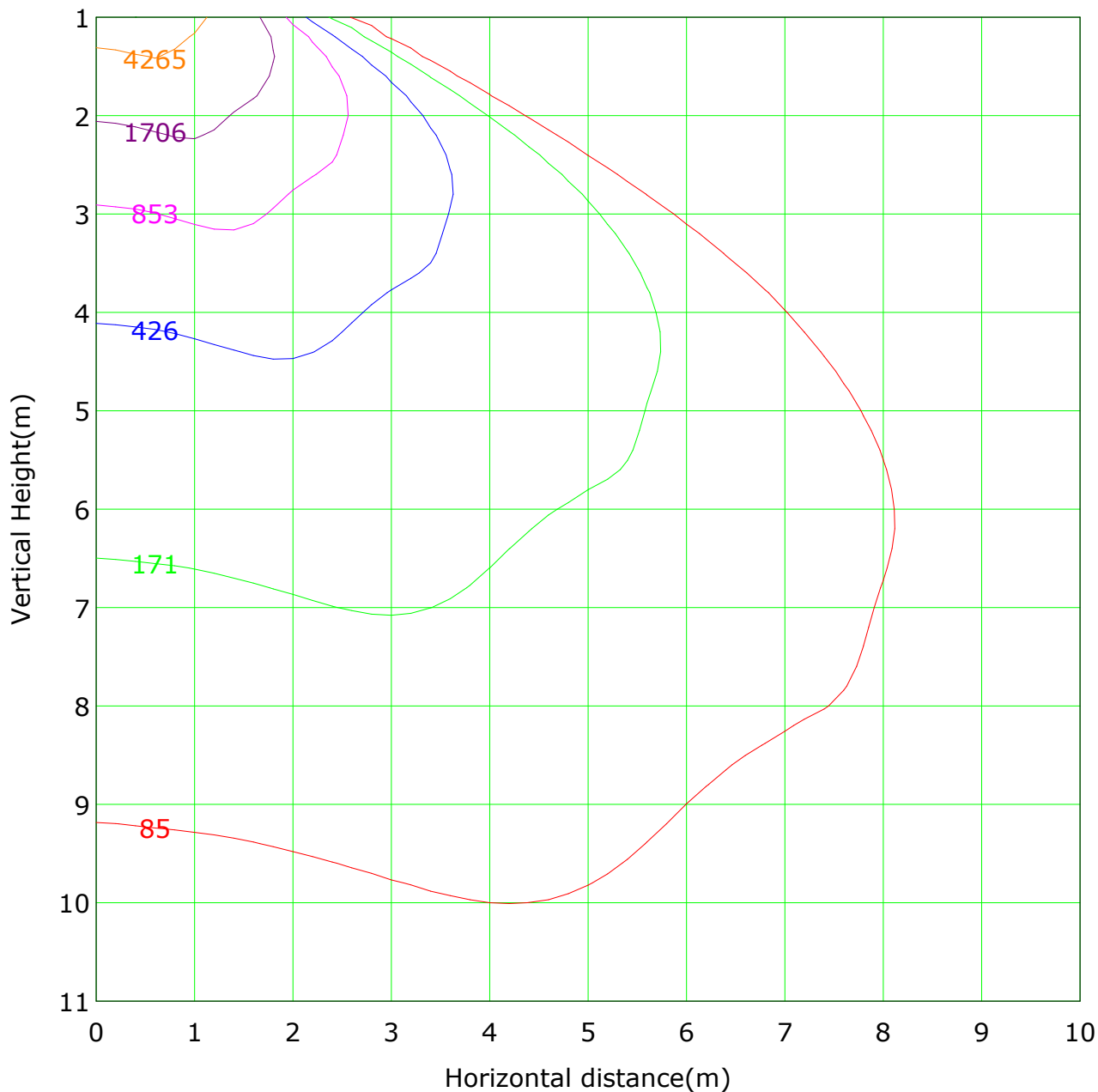
Illuminance at a Distance



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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 8529.7 lx

(1%): 85.3 lx	(2%): 170.6 lx
(5%): 426.5 lx	(10%): 853.0 lx
(20%): 1705.9 lx	(50%): 4264.8 lx
(100%): 8529.7 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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Area Flux Table

Unit: lm

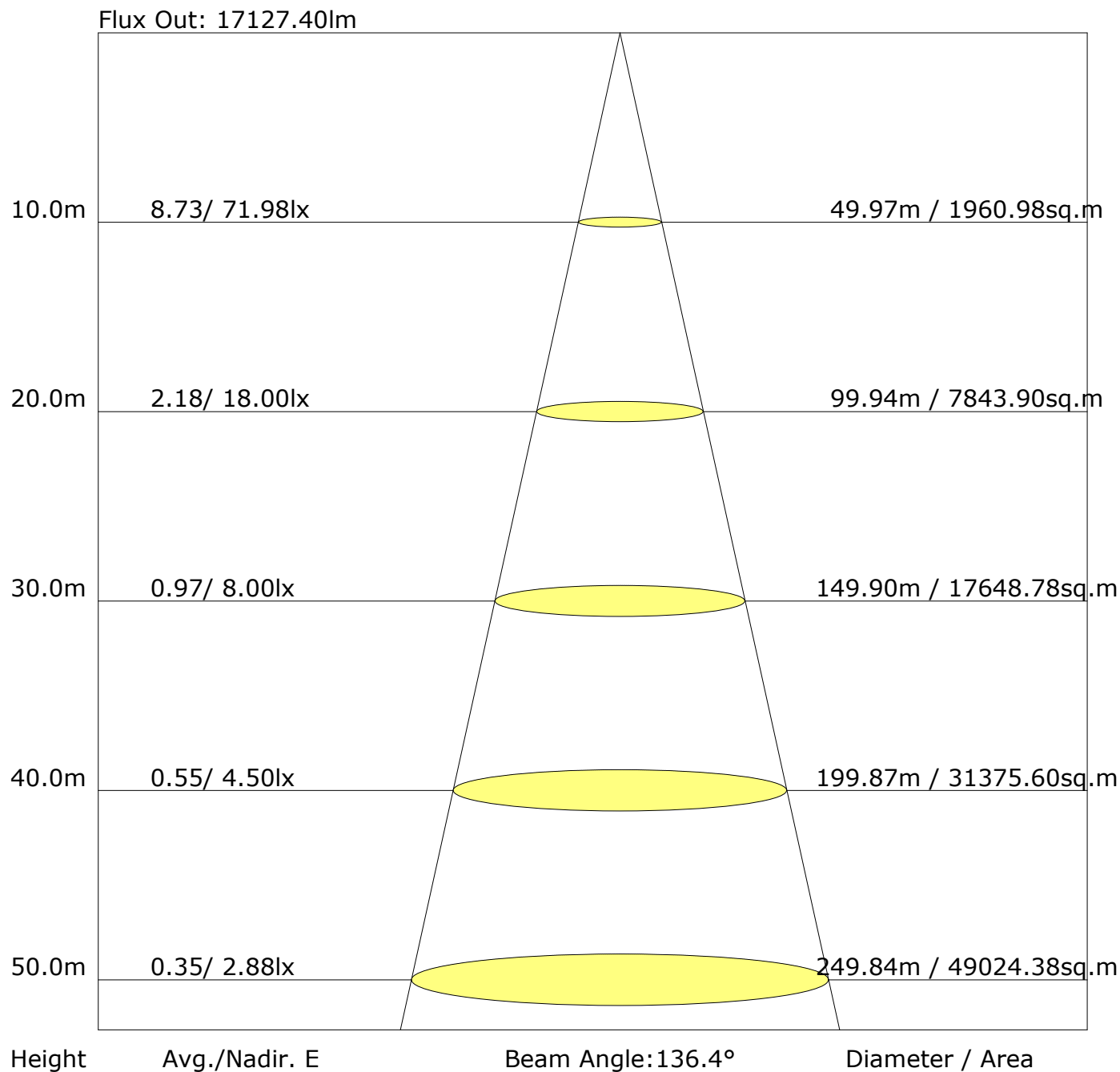
		Orbit: 1111																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	ϕ_0	Flux(T)	Flux(E)
Vertical plane	-90	0.0	0.1	0.2	0.4	0.8	1.4	2.0	2.5	2.9	2.8	2.2	1.5	0.9	0.5	0.2	0.1	0.1	0.0	18.6	0.0	
	-80	0.0	0.2	0.8	1.9	3.7	5.7	7.6	9.2	10.3	10.1	8.7	6.8	4.8	2.8	1.3	0.4	0.1	0.0	74.4	0.0	
	-70	0.0	0.5	1.8	4.3	8.2	11.7	12.4	13.2	13.1	12.8	12.5	11.4	10.6	6.9	3.2	1.2	0.3	0.0	124.1	0.0	
	-60	0.1	0.9	3.6	9.8	22.0	29.2	21.8	21.4	21.0	20.6	20.4	20.6	29.0	21.7	8.4	2.5	0.5	0.0	253.7	74.6	
	-50	0.1	1.4	6.3	25.8	53.5	68.9	55.8	50.8	48.7	48.0	48.6	52.7	67.2	54.7	23.5	4.8	0.9	0.1	611.6	582.1	
	-40	0.1	2.1	12.9	56.7	102.1	130.4	120.5	108.8	105.7	106.3	109.0	116.7	125.0	99.7	50.7	9.0	1.3	0.1	1257.0	242.8	
	-30	0.2	2.6	24.6	91.2	151.9	185.1	186.8	174.8	166.5	168.1	176.7	180.9	178.3	145.2	82.9	16.5	1.8	0.1	1933.8	922.6	
	-20	0.2	3.1	37.7	121.2	184.5	216.1	233.9	213.9	198.2	197.6	210.2	225.2	210.5	178.2	110.9	25.6	2.2	0.1	2369.2	359.5	
	-10	0.2	3.4	48.3	144.3	207.0	236.4	255.0	227.2	209.9	204.5	229.1	259.5	236.3	202.5	132.2	32.8	2.4	0.1	2631.2	621.8	
	0	0.2	3.4	47.5	140.6	200.3	227.7	245.8	219.8	204.3	216.6	244.4	266.4	236.5	199.4	129.1	32.0	2.4	0.1	2616.2	607.0	
10	0.2	3.0	35.7	110.8	164.4	189.8	204.5	195.1	189.6	199.2	222.2	223.4	6208.4	167.0	101.6	23.6	2.2	0.1	2251.9	2241.8		
20	0.2	2.5	22.1	76.6	119.3	144.8	151.4	145.4	145.4	152.0	162.2	173.6	165.2	122.4	68.8	14.1	1.8	0.1	1667.8	655.9		
30	0.1	2.0	11.0	42.0	66.0	92.4	89.0	81.3	83.6	86.7	88.7	100.0	101.3	68.6	36.0	7.4	1.3	0.1	957.7	941.7		
40	0.1	1.4	5.5	16.4	29.5	44.4	39.1	36.1	36.6	37.4	37.7	40.9	46.5	31.2	14.1	4.3	0.9	0.0	421.9	336.8		
50	0.1	0.8	3.3	6.9	13.2	19.0	18.0	18.4	18.5	18.5	18.6	18.3	19.6	13.2	6.3	2.5	0.5	0.0	195.6	6.5		
60	0.0	0.5	1.6	3.7	6.7	9.5	11.3	12.2	12.2	12.2	12.2	11.3	9.3	6.2	3.1	1.2	0.3	0.0	113.5	0.0		
70	0.0	0.2	0.7	1.6	3.1	4.9	6.6	8.1	9.1	9.1	7.9	6.3	4.4	2.6	1.2	0.4	0.1	0.0	66.3	0.0		
80	0.0	0.1	0.2	0.4	0.7	1.1	1.6	2.0	2.3	2.2	1.7	1.2	0.8	0.4	0.2	0.1	0.1	0.0	14.9	0.0		
90	1.8	28.0	263.7	854.5	1336.9	618.6	662.9	540.2	477.8	504.6	613.1	727.8	654.1	323.2	773.6	178.4	19.0	1.0	17580			
Flux(T)	0.0	0.0	219.5	814.3	1286.9	558.6	579.6	444.1	377.0	403.7	519.3	647.5	599.0	278.4	735.5	129.7	0.0	0.0		16593		
Flux(E)	0.0	0.0	219.5	814.3	1286.9	558.6	579.6	444.1	377.0	403.7	519.3	647.5	599.0	278.4	735.5	129.7	0.0	0.0		16593		

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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure



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 17793lm ($8\log(F/F_0) = 10.0$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	6817.9	6.5	6.5	0.04	0.04
1.0-2.0	6819.2	19.6	26.1	0.11	0.15
2.0-3.0	6822.3	32.6	58.7	0.18	0.33
3.0-4.0	6829.1	45.7	104.5	0.26	0.59
4.0-5.0	6837.8	58.8	163.3	0.33	0.92
5.0-6.0	6850.4	72.0	235.3	0.40	1.32
6.0-7.0	6867.0	85.2	320.5	0.48	1.80
7.0-8.0	6885.5	98.6	419.1	0.55	2.36
8.0-9.0	6908.8	112.0	531.1	0.63	2.98
9.0-10.0	6932.8	125.5	656.5	0.71	3.69
10.0-11.0	6957.9	139.0	795.6	0.78	4.47
11.0-12.0	6986.2	152.7	948.3	0.86	5.33
12.0-13.0	7013.3	166.5	1114.8	0.94	6.27
13.0-14.0	7042.1	180.3	1295.1	1.01	7.28
14.0-15.0	7073.8	194.2	1489.3	1.09	8.37
15.0-16.0	7106.0	208.2	1697.5	1.17	9.54
16.0-17.0	7139.6	222.4	1919.9	1.25	10.79
17.0-18.0	7171.9	236.5	2156.4	1.33	12.12
18.0-19.0	7202.7	250.6	2407.0	1.41	13.53
19.0-20.0	7229.4	264.6	2671.7	1.49	15.02
20.0-21.0	7251.8	278.5	2950.2	1.57	16.58
21.0-22.0	7268.8	292.1	3242.3	1.64	18.22
22.0-23.0	7273.1	305.2	3547.5	1.72	19.94
23.0-24.0	7265.2	317.7	3865.2	1.79	21.72
24.0-25.0	7241.2	329.3	4194.5	1.85	23.57
25.0-26.0	7199.2	339.9	4534.4	1.91	25.48
26.0-27.0	7137.3	349.2	4883.6	1.96	27.45
27.0-28.0	7059.3	357.5	5241.1	2.01	29.46
28.0-29.0	6965.0	364.4	5605.5	2.05	31.50
29.0-30.0	6850.6	369.9	5975.4	2.08	33.58
30.0-31.0	6725.6	374.3	6349.8	2.10	35.69
31.0-32.0	6591.8	377.7	6727.5	2.12	37.81
32.0-33.0	6448.9	380.0	7107.4	2.14	39.95
33.0-34.0	6303.4	381.5	7489.0	2.14	42.09
34.0-35.0	6152.7	382.2	7871.1	2.15	44.24
35.0-36.0	6002.2	382.2	8253.3	2.15	46.39

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-1600L
Distance: 9.903 m [K=1.0000]
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	5857.1	382.1	8635.4	2.15	48.53
37.0-38.0	5712.8	381.4	9016.8	2.14	50.68
38.0-39.0	5576.3	380.7	9397.4	2.14	52.82
39.0-40.0	5442.7	379.6	9777.1	2.13	54.95
40.0-41.0	5309.9	378.2	10155.2	2.13	57.08
41.0-42.0	5189.1	377.1	10532.3	2.12	59.19
42.0-43.0	5069.0	375.5	10907.8	2.11	61.31
43.0-44.0	4940.8	373.0	11280.8	2.10	63.40
44.0-45.0	4807.5	369.5	11650.3	2.08	65.48
45.0-46.0	4665.5	364.9	12015.2	2.05	67.53
46.0-47.0	4519.4	359.5	12374.7	2.02	69.55
47.0-48.0	4359.4	352.5	12727.2	1.98	71.53
48.0-49.0	4184.3	343.7	13070.9	1.93	73.46
49.0-50.0	4008.7	334.3	13405.1	1.88	75.34
50.0-51.0	3823.7	323.6	13728.7	1.82	77.16
51.0-52.0	3636.8	312.1	14040.8	1.75	78.91
52.0-53.0	3453.8	300.5	14341.3	1.69	80.60
53.0-54.0	3272.5	288.5	14629.8	1.62	82.22
54.0-55.0	3098.9	276.7	14906.4	1.55	83.78
55.0-56.0	2922.8	264.1	15170.6	1.48	85.26
56.0-57.0	2745.8	251.1	15421.6	1.41	86.67
57.0-58.0	2567.6	237.5	15659.1	1.33	88.01
58.0-59.0	2379.1	222.4	15881.6	1.25	89.26
59.0-60.0	2188.2	206.8	16088.3	1.16	90.42
60.0-61.0	1995.3	190.4	16278.8	1.07	91.49
61.0-62.0	1795.5	173.0	16451.8	0.97	92.46
62.0-63.0	1596.3	155.3	16607.1	0.87	93.34
63.0-64.0	1391.9	136.6	16743.7	0.77	94.10
64.0-65.0	1190.1	117.8	16861.5	0.66	94.77
65.0-66.0	1003.0	100.1	16961.6	0.56	95.33
66.0-67.0	832.1	83.7	17045.2	0.47	95.80
67.0-68.0	693.5	70.3	17115.5	0.39	96.19
68.0-69.0	578.7	59.0	17174.5	0.33	96.53
69.0-70.0	487.5	50.1	17224.6	0.28	96.81
70.0-71.0	425.4	44.0	17268.6	0.25	97.05
71.0-72.0	379.6	39.5	17308.1	0.22	97.28

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-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	346.0	36.2	17344.2	0.20	97.48
73.0-74.0	319.2	33.6	17377.8	0.19	97.67
74.0-75.0	293.3	31.0	17408.8	0.17	97.84
75.0-76.0	266.9	28.3	17437.1	0.16	98.00
76.0-77.0	238.5	25.4	17462.6	0.14	98.15
77.0-78.0	209.5	22.4	17485.0	0.13	98.27
78.0-79.0	183.3	19.7	17504.7	0.11	98.38
79.0-80.0	158.9	17.1	17521.8	0.10	98.48
80.0-81.0	135.5	14.7	17536.5	0.08	98.56
81.0-82.0	113.1	12.3	17548.7	0.07	98.63
82.0-83.0	91.8	10.0	17558.7	0.06	98.69
83.0-84.0	71.9	7.8	17566.6	0.04	98.73
84.0-85.0	52.0	5.7	17572.2	0.03	98.76
85.0-86.0	33.7	3.7	17575.9	0.02	98.78
86.0-87.0	20.0	2.2	17578.1	0.01	98.79
87.0-88.0	11.3	1.2	17579.3	0.01	98.80
88.0-89.0	7.1	0.8	17580.1	0.00	98.81
89.0-90.0	6.0	0.7	17580.8	0.00	98.81
90.0-91.0	6.1	0.7	17581.5	0.00	98.81
91.0-92.0	6.1	0.7	17582.1	0.00	98.82
92.0-93.0	6.2	0.7	17582.8	0.00	98.82
93.0-94.0	6.7	0.7	17583.5	0.00	98.83
94.0-95.0	7.1	0.8	17584.3	0.00	98.83
95.0-96.0	7.6	0.8	17585.2	0.00	98.83
96.0-97.0	8.3	0.9	17586.1	0.01	98.84
97.0-98.0	8.7	0.9	17587.0	0.01	98.84
98.0-99.0	9.3	1.0	17588.0	0.01	98.85
99.0-100.0	10.0	1.1	17589.1	0.01	98.86
100.0-101.0	10.6	1.1	17590.2	0.01	98.86
101.0-102.0	11.2	1.2	17591.4	0.01	98.87
102.0-103.0	11.9	1.3	17592.7	0.01	98.88
103.0-104.0	12.6	1.3	17594.1	0.01	98.88
104.0-105.0	13.3	1.4	17595.5	0.01	98.89
105.0-106.0	14.2	1.5	17597.0	0.01	98.90
106.0-107.0	15.0	1.6	17598.6	0.01	98.91
107.0-108.0	15.7	1.6	17600.2	0.01	98.92

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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	16.6	1.7	17601.9	0.01	98.93
109.0-110.0	17.8	1.8	17603.8	0.01	98.94
110.0-111.0	18.8	1.9	17605.7	0.01	98.95
111.0-112.0	19.6	2.0	17607.7	0.01	98.96
112.0-113.0	20.6	2.1	17609.8	0.01	98.97
113.0-114.0	21.8	2.2	17612.0	0.01	98.98
114.0-115.0	23.0	2.3	17614.3	0.01	99.00
115.0-116.0	24.0	2.4	17616.6	0.01	99.01
116.0-117.0	25.2	2.5	17619.1	0.01	99.02
117.0-118.0	26.4	2.6	17621.7	0.01	99.04
118.0-119.0	27.6	2.7	17624.3	0.01	99.05
119.0-120.0	28.8	2.7	17627.1	0.02	99.07
120.0-121.0	30.1	2.8	17629.9	0.02	99.09
121.0-122.0	31.2	2.9	17632.8	0.02	99.10
122.0-123.0	32.5	3.0	17635.9	0.02	99.12
123.0-124.0	33.8	3.1	17638.9	0.02	99.14
124.0-125.0	35.0	3.2	17642.1	0.02	99.15
125.0-126.0	36.3	3.2	17645.3	0.02	99.17
126.0-127.0	37.4	3.3	17648.6	0.02	99.19
127.0-128.0	38.7	3.4	17652.0	0.02	99.21
128.0-129.0	39.8	3.4	17655.4	0.02	99.23
129.0-130.0	40.8	3.5	17658.9	0.02	99.25
130.0-131.0	42.1	3.5	17662.4	0.02	99.27
131.0-132.0	43.2	3.5	17665.9	0.02	99.29
132.0-133.0	44.3	3.6	17669.5	0.02	99.31
133.0-134.0	45.5	3.6	17673.1	0.02	99.33
134.0-135.0	46.6	3.6	17676.8	0.02	99.35
135.0-136.0	47.8	3.7	17680.4	0.02	99.37
136.0-137.0	49.0	3.7	17684.2	0.02	99.39
137.0-138.0	50.2	3.7	17687.9	0.02	99.41
138.0-139.0	51.5	3.7	17691.6	0.02	99.43
139.0-140.0	52.8	3.8	17695.4	0.02	99.45
140.0-141.0	53.7	3.7	17699.1	0.02	99.47
141.0-142.0	54.7	3.7	17702.8	0.02	99.50
142.0-143.0	55.8	3.7	17706.6	0.02	99.52
143.0-144.0	57.1	3.7	17710.3	0.02	99.54

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-1600L
Distance: 9.903 m [K=1.0000]
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	58.3	3.7	17714.0	0.02	99.56
145.0-146.0	59.3	3.7	17717.7	0.02	99.58
146.0-147.0	60.4	3.7	17721.3	0.02	99.60
147.0-148.0	61.5	3.6	17725.0	0.02	99.62
148.0-149.0	62.6	3.6	17728.6	0.02	99.64
149.0-150.0	63.6	3.5	17732.1	0.02	99.66
150.0-151.0	64.7	3.5	17735.6	0.02	99.68
151.0-152.0	65.8	3.4	17739.0	0.02	99.70
152.0-153.0	66.9	3.4	17742.4	0.02	99.72
153.0-154.0	68.0	3.3	17745.8	0.02	99.74
154.0-155.0	69.1	3.3	17749.0	0.02	99.76
155.0-156.0	70.1	3.2	17752.2	0.02	99.77
156.0-157.0	70.9	3.1	17755.3	0.02	99.79
157.0-158.0	71.9	3.0	17758.3	0.02	99.81
158.0-159.0	72.9	2.9	17761.2	0.02	99.82
159.0-160.0	73.5	2.8	17764.1	0.02	99.84
160.0-161.0	74.0	2.7	17766.8	0.02	99.85
161.0-162.0	74.6	2.6	17769.4	0.01	99.87
162.0-163.0	74.9	2.5	17771.8	0.01	99.88
163.0-164.0	74.9	2.3	17774.2	0.01	99.90
164.0-165.0	75.1	2.2	17776.4	0.01	99.91
165.0-166.0	75.4	2.1	17778.4	0.01	99.92
166.0-167.0	75.2	1.9	17780.4	0.01	99.93
167.0-168.0	75.2	1.8	17782.2	0.01	99.94
168.0-169.0	75.6	1.7	17783.8	0.01	99.95
169.0-170.0	76.0	1.5	17785.3	0.01	99.96
170.0-171.0	76.0	1.4	17786.7	0.01	99.97
171.0-172.0	75.6	1.2	17787.9	0.01	99.97
172.0-173.0	75.3	1.1	17789.0	0.01	99.98
173.0-174.0	75.4	0.9	17789.9	0.01	99.99
174.0-175.0	76.1	0.8	17790.7	0.00	99.99
175.0-176.0	76.8	0.7	17791.4	0.00	99.99
176.0-177.0	77.4	0.5	17791.9	0.00	100.00
177.0-178.0	77.8	0.4	17792.3	0.00	100.00
178.0-179.0	78.4	0.2	17792.5	0.00	100.00
179.0-180.0	79.2	0.1	17792.6	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-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 11650.32 lm

%lum = 65.5%

%lamp = 65.5%

cone flux(120°): 16088.32 lm

%lum = 90.4%

%lamp = 90.4%

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	7198.4	7039.3	6853.2	6684.7	6593.8	6533.5	7198.4	7039.3	6853.2	6684.7
G1.0	7208.2	7074.5	6873.1	6703.6	6608.2	6541.8	7188.6	7029.8	6821.1	6668.1
G2.0	7245.2	7081.5	6895.2	6718.3	6615.8	6545.1	7183.7	7003.8	6810.4	6635.4
G3.0	7282.2	7120.6	6912.0	6726.9	6606.6	6553.7	7185.8	6991.8	6781.0	6632.6
G4.0	7324.7	7155.8	6925.8	6717.7	6616.7	6567.8	7208.2	6985.4	6768.5	6615.8
G5.0	7373.1	7188.3	6928.5	6716.5	6618.0	6578.8	7225.0	6989.1	6762.7	6599.6
G6.0	7430.0	7230.5	6949.3	6701.5	6603.9	6602.7	7272.7	7001.9	6768.5	6595.3
G7.0	7489.6	7278.5	6956.0	6684.7	6609.1	6625.0	7308.2	7021.5	6754.7	6595.0
G8.0	7563.4	7323.2	6970.1	6669.7	6601.7	6651.9	7350.7	7054.0	6765.4	6572.1
G9.0	7658.8	7389.3	6982.7	6656.2	6600.2	6690.2	7403.4	7083.3	6761.1	6566.3
G10.0	7765.9	7459.4	6985.7	6627.8	6599.0	6725.7	7455.7	7107.5	6743.7	6542.1
G11.0	7885.6	7552.1	6996.1	6560.7	6596.5	6759.9	7529.7	7147.6	6734.2	6521.0
G12.0	8016.2	7641.4	6999.2	6499.2	6569.3	6812.5	7599.2	7186.4	6747.4	6490.1
G13.0	8157.9	7726.5	6981.1	6442.3	6542.4	6845.9	7689.4	7239.1	6727.8	6448.5
G14.0	8320.0	7834.2	6963.4	6351.2	6510.6	6897.3	7797.1	7293.5	6716.2	6413.0
G15.0	8500.2	7935.7	6942.9	6248.0	6461.0	6951.8	7910.6	7358.1	6705.8	6385.7
G16.0	8670.7	8034.3	6916.3	6132.7	6398.9	7014.2	8059.3	7424.2	6710.4	6323.6
G17.0	8892.2	8149.9	6876.2	6001.8	6323.0	7076.6	8214.8	7496.1	6706.7	6263.0
G18.0	9082.8	8265.0	6811.3	5869.0	6245.6	7140.2	8392.5	7587.9	6681.6	6189.3
G19.0	9323.3	8380.3	6737.0	5716.6	6152.6	7200.5	8601.8	7682.4	6655.6	6087.4
G20.0	9524.9	8467.2	6639.4	5559.3	6066.3	7260.8	8798.2	7790.1	6611.5	5978.8
G21.0	9738.5	8573.7	6537.2	5395.0	5947.9	7311.3	9047.3	7917.7	6567.8	5852.8
G22.0	9933.1	8684.1	6412.7	5217.3	5825.8	7370.9	9243.4	8033.3	6514.2	5717.5
G23.0	10090.6	8723.6	6290.6	5034.9	5687.2	7416.2	9446.6	8149.6	6445.1	5578.9
G24.0	10207.8	8778.0	6129.6	4857.8	5547.7	7453.9	9643.0	8281.8	6352.4	5411.2
G25.0	10305.7	8777.4	5955.5	4655.5	5383.7	7476.5	9809.8	8396.8	6248.7	5247.5
G26.0	10348.5	8783.3	5783.6	4463.1	5218.8	7490.0	9906.4	8481.6	6143.7	5068.9
G27.0	10364.8	8743.5	5589.3	4236.4	5042.9	7469.5	9995.8	8572.4	5999.9	4872.1
G28.0	10350.7	8694.2	5390.1	4043.6	4863.3	7444.4	10056.4	8614.0	5867.4	4678.8
G29.0	10309.1	8627.5	5191.6	3840.4	4684.9	7400.6	10070.7	8625.4	5691.2	4464.6
G30.0	10250.0	8548.0	4954.4	3613.1	4468.9	7335.7	10066.8	8616.2	5509.1	4270.9
G31.0	10172.0	8458.9	4735.7	3423.4	4276.7	7265.1	10025.2	8580.4	5325.9	4060.1
G32.0	10102.3	8351.5	4529.5	3200.7	4075.4	7184.9	9983.5	8535.4	5121.5	3834.6
G33.0	10026.4	8222.4	4292.0	2974.9	3866.8	7086.7	9925.7	8471.2	4928.1	3629.0
G34.0	9949.0	8106.8	4062.3	2758.9	3659.3	6990.6	9870.6	8415.8	4723.8	3417.6
G35.0	9917.2	7978.6	3825.4	2542.2	3444.8	6878.0	9796.0	8348.8	4490.3	3188.7
G36.0	9889.9	7856.2	3578.8	2354.7	3228.8	6774.9	9766.9	8256.1	4274.0	2991.4

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-1600L
Distance: 9.903 m [K=1.0000]
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	9864.5	7723.4	3348.1	2187.9	3019.5	6665.7	9760.8	8188.5	4040.8	2771.4
G38.0	9882.3	7582.7	3072.2	2012.0	2795.0	6548.5	9754.7	8095.1	3830.0	2574.4
G39.0	9932.4	7447.4	2854.0	1850.5	2590.9	6424.9	9792.9	8015.9	3609.1	2386.5
G40.0	9989.3	7283.4	2628.2	1685.2	2380.4	6290.6	9831.2	7927.5	3374.4	2188.2
G41.0	10019.6	7102.9	2416.5	1547.3	2210.6	6158.7	9881.3	7835.7	3165.8	2004.4
G42.0	10112.0	6947.8	2223.7	1411.4	2038.3	6023.8	9975.0	7748.8	2953.4	1836.7
G43.0	10205.4	6748.0	2028.2	1283.2	1870.0	5849.7	10059.4	7629.8	2733.8	1668.4
G44.0	10191.0	6527.1	1852.0	1176.1	1718.9	5686.6	10132.2	7517.8	2524.8	1516.0
G45.0	10093.1	6284.5	1691.7	1077.6	1581.5	5507.9	10232.9	7384.7	2309.4	1377.1
G46.0	9942.8	6028.7	1517.3	980.9	1431.3	5304.5	10289.5	7231.1	2108.7	1252.6
G47.0	9767.2	5766.8	1377.8	909.0	1311.1	5095.2	10272.4	7070.2	1932.5	1149.2
G48.0	9593.7	5425.9	1234.3	836.8	1185.9	4866.3	10172.0	6860.3	1739.1	1042.4
G49.0	9423.6	5008.9	1120.4	783.3	1086.5	4650.3	10026.1	6667.5	1574.2	959.5
G50.0	9320.2	4597.4	1023.1	735.2	1000.5	4408.3	9842.2	6441.1	1421.8	883.9
G51.0	9169.7	4189.2	935.0	693.0	921.9	4101.7	9635.0	6118.0	1274.9	811.1
G52.0	9030.2	3837.7	867.1	659.3	857.3	3756.6	9464.6	5736.2	1158.4	752.4
G53.0	8817.2	3525.3	812.3	631.8	803.5	3368.0	9297.0	5294.4	1037.8	699.7
G54.0	8551.0	3208.6	759.7	601.5	751.4	2991.7	9146.4	4884.4	946.0	660.6
G55.0	8224.0	2905.1	723.6	583.5	716.0	2679.6	8955.5	4504.7	870.8	628.8
G56.0	7851.3	2593.9	684.7	559.9	678.0	2396.3	8686.9	4143.3	801.0	599.1
G57.0	7408.6	2329.0	649.9	537.0	643.7	2168.4	8376.0	3850.8	744.7	571.2
G58.0	6923.9	2066.8	623.2	510.6	615.0	1937.3	8003.0	3524.7	694.5	543.7
G59.0	6358.8	1811.9	598.2	478.2	590.2	1706.0	7564.6	3205.9	654.5	516.8
G60.0	5766.8	1586.4	578.0	445.5	572.5	1498.9	7097.1	2900.8	618.3	486.5
G61.0	5175.6	1395.5	559.9	425.9	553.8	1325.1	6504.1	2576.2	590.5	458.9
G62.0	4398.8	1204.3	537.0	410.6	532.1	1142.2	5954.6	2272.4	564.5	442.1
G63.0	3666.3	1044.3	513.7	400.2	511.3	1005.4	5328.6	1994.9	544.9	430.5
G64.0	2823.4	891.9	488.3	392.5	490.5	866.5	4610.5	1695.3	519.8	419.5
G65.0	2160.4	770.4	466.6	385.8	469.6	760.6	3822.7	1448.4	502.1	411.8
G66.0	1562.8	666.4	445.8	376.6	448.2	664.5	2989.3	1225.7	477.9	403.0
G67.0	1062.3	570.0	419.2	369.0	423.1	576.7	2283.7	1043.0	455.0	398.7
G68.0	792.4	495.4	398.7	364.4	398.4	514.0	1700.8	876.0	432.3	394.1
G69.0	616.8	429.3	380.3	358.6	377.3	456.2	1121.0	726.7	413.0	387.4
G70.0	511.0	369.9	356.8	352.5	357.7	406.0	814.8	608.0	394.1	384.6
G71.0	455.3	327.4	336.3	347.9	338.4	363.8	633.3	491.4	376.3	379.7
G72.0	427.4	292.8	313.9	342.7	319.7	322.8	530.8	399.9	355.2	376.0
G73.0	400.2	259.8	295.0	337.5	299.2	292.5	479.4	344.2	335.3	371.4

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-1600L
 Distance: 9.903 m [K=1.0000]
 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	352.5	225.2	273.2	332.0	277.8	266.2	455.3	299.2	315.1	368.4
G75.0	284.2	189.4	254.3	320.3	257.6	235.0	436.9	267.1	298.9	359.2
G76.0	227.6	160.6	229.8	307.5	240.8	204.7	394.4	236.5	278.1	349.7
G77.0	169.8	137.4	210.5	294.6	221.5	171.9	315.1	200.4	256.4	336.9
G78.0	129.4	115.3	183.9	276.3	198.6	145.6	241.1	171.0	235.9	322.8
G79.0	106.2	98.2	160.3	257.9	179.9	125.4	178.4	146.9	213.6	299.2
G80.0	84.4	82.6	135.2	231.6	154.8	107.4	133.7	126.4	188.2	270.5
G81.0	67.3	67.9	105.9	201.0	134.3	93.3	108.0	107.7	166.8	236.8
G82.0	52.6	52.9	92.1	167.7	108.9	77.4	85.7	89.7	138.0	199.5
G83.0	36.7	38.9	76.5	121.2	92.1	63.6	69.2	75.3	111.7	165.5
G84.0	25.7	23.6	58.4	82.0	78.3	50.8	53.2	59.0	94.8	123.0
G85.0	16.8	14.4	35.8	45.0	60.3	35.5	35.8	42.2	76.5	75.3
G86.0	9.5	9.5	18.4	23.6	41.3	22.3	25.1	28.1	53.5	41.6
G87.0	8.3	6.7	10.7	8.9	22.6	15.9	16.2	17.8	29.7	18.0
G88.0	8.6	6.7	6.4	6.7	11.0	8.6	7.7	8.6	13.8	9.2
G89.0	8.0	8.0	3.4	5.2	6.4	6.7	6.4	6.4	6.4	4.6
G90.0	8.6	7.7	6.1	4.6	5.2	7.7	5.5	5.8	5.2	4.9
G91.0	8.9	8.0	6.4	5.2	5.5	8.6	6.4	4.9	5.2	4.6
G92.0	10.1	8.3	6.4	5.8	4.9	6.7	6.4	5.2	1.8	4.6
G93.0	12.5	7.7	4.6	5.8	3.7	8.6	7.0	5.8	5.2	4.6
G94.0	12.5	9.2	6.7	6.1	6.4	9.5	8.6	4.9	4.0	4.3
G95.0	13.2	10.7	7.0	5.8	6.1	9.2	7.3	6.7	5.2	4.3
G96.0	14.1	10.7	8.0	6.7	4.9	10.4	9.8	6.4	5.8	5.5
G97.0	15.0	11.9	8.3	6.1	7.0	10.4	10.7	8.0	5.8	5.2
G98.0	16.8	12.2	8.0	7.7	7.0	11.9	11.9	7.3	5.5	2.5
G99.0	17.8	14.1	8.6	7.3	8.3	12.2	12.2	9.5	6.1	5.8
G100.0	18.7	15.0	9.2	7.0	8.0	12.5	14.4	8.6	6.7	6.1
G101.0	21.1	16.5	9.2	7.0	8.0	14.4	14.4	9.8	6.7	5.8
G102.0	21.7	16.2	9.8	8.3	8.0	15.9	16.5	11.3	5.8	5.2
G103.0	22.0	18.7	10.7	8.6	8.9	15.6	16.8	10.4	8.0	6.1
G104.0	24.2	19.0	10.7	8.9	8.9	17.1	18.7	11.9	7.7	6.4
G105.0	25.7	20.2	11.3	8.9	9.5	18.7	18.7	13.2	8.0	6.7
G106.0	26.9	22.0	11.6	9.5	10.7	19.3	20.5	14.1	8.6	7.0
G107.0	29.1	23.0	12.5	8.6	11.0	20.5	22.6	16.2	8.6	6.4
G108.0	31.5	24.2	13.2	8.3	9.8	21.1	23.3	15.9	9.2	7.7
G109.0	34.3	24.5	12.9	10.4	12.9	22.0	24.8	18.0	9.8	8.3
G110.0	37.0	26.9	13.8	9.8	13.2	23.9	26.0	19.3	10.7	8.3

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-1600L
 Distance: 9.903 m [K=1.0000]
 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	37.9	28.8	15.3	10.7	14.4	24.2	27.8	19.3	10.7	8.9
G112.0	41.9	28.8	15.0	11.6	13.8	25.4	29.4	20.5	11.3	9.2
G113.0	44.1	30.6	16.2	10.4	15.0	27.2	30.0	22.6	11.9	8.9
G114.0	46.5	32.4	17.1	12.5	15.6	28.8	31.8	23.9	13.2	9.2
G115.0	48.3	34.9	19.0	12.5	16.5	29.1	33.0	24.2	13.5	9.5
G116.0	49.9	35.8	18.4	12.5	18.4	31.5	35.2	26.6	14.4	10.1
G117.0	51.4	36.7	19.9	14.1	19.6	33.0	36.7	28.1	14.4	11.3
G118.0	52.3	38.5	21.4	14.7	20.2	34.3	38.5	29.7	15.3	11.9
G119.0	54.5	39.8	22.3	14.7	20.8	36.1	40.4	30.0	16.5	12.5
G120.0	55.7	41.9	21.7	16.5	23.0	38.3	42.2	32.1	16.5	12.9
G121.0	56.6	44.1	24.5	16.8	24.2	39.8	44.4	33.3	18.0	12.9
G122.0	58.1	44.4	25.4	17.8	24.8	40.7	45.3	35.8	19.0	12.9
G123.0	59.7	46.2	26.9	19.3	26.6	43.1	46.8	36.7	20.5	14.4
G124.0	61.2	47.1	26.6	19.3	27.5	45.3	49.0	37.9	22.0	15.3
G125.0	60.6	48.3	29.7	21.1	29.7	45.3	50.2	40.1	22.3	16.2
G126.0	62.4	49.0	31.2	22.0	30.0	46.5	52.3	41.3	24.2	17.4
G127.0	63.3	49.6	31.2	22.3	32.4	47.4	53.5	42.2	25.1	17.8
G128.0	65.2	49.0	33.7	24.5	34.0	48.7	54.5	44.4	26.6	19.6
G129.0	66.4	49.6	35.5	25.7	34.9	48.7	56.0	45.0	27.8	19.3
G130.0	67.6	51.1	35.8	26.3	35.8	50.8	57.2	46.5	29.4	20.8
G131.0	68.2	51.1	37.0	28.8	37.0	51.7	57.8	48.0	30.9	22.0
G132.0	68.2	52.0	39.5	30.0	38.9	52.3	59.0	49.6	32.1	23.3
G133.0	69.8	53.2	39.5	31.8	39.8	53.5	60.9	50.5	33.7	23.9
G134.0	69.8	53.5	41.9	31.8	41.0	54.2	61.5	52.0	35.5	25.4
G135.0	70.4	54.8	43.1	34.3	42.8	54.8	63.0	52.9	37.0	26.3
G136.0	71.0	56.6	44.4	35.8	44.4	56.6	63.6	54.8	37.6	27.5
G137.0	71.6	56.6	46.2	37.3	46.5	56.9	64.6	55.4	39.8	28.8
G138.0	72.5	57.5	47.4	39.8	47.7	58.1	65.8	57.2	41.0	29.7
G139.0	73.4	58.7	47.4	42.2	49.9	59.4	67.0	58.4	43.5	30.6
G140.0	74.0	59.0	49.6	43.5	51.7	60.3	67.0	59.4	44.7	33.0
G141.0	73.7	60.3	51.1	45.0	51.4	60.3	66.4	60.0	46.2	34.6
G142.0	75.6	60.9	52.3	46.8	53.5	60.9	66.7	61.2	47.7	36.4
G143.0	75.9	60.6	52.6	47.7	55.4	61.5	68.5	62.4	48.7	37.6
G144.0	76.2	62.7	55.1	51.1	56.6	62.4	68.8	63.3	51.4	39.8
G145.0	77.1	63.3	55.7	52.3	57.5	63.3	68.5	63.3	51.1	41.3
G146.0	77.7	64.6	55.7	53.8	60.0	64.9	69.8	65.5	53.8	42.5
G147.0	78.3	65.2	57.2	55.7	60.3	64.6	70.7	65.5	54.5	45.0

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-1600L
Distance: 9.903 m [K=1.0000]
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	79.2	65.5	59.4	57.8	61.2	66.4	70.7	66.1	56.9	46.5
G149.0	78.6	66.4	59.4	60.0	62.4	65.8	70.1	67.6	57.2	48.0
G150.0	79.9	68.2	61.2	60.0	63.6	67.9	71.0	68.5	59.0	49.9
G151.0	78.3	68.2	61.8	62.1	64.3	67.6	72.2	69.8	60.3	51.1
G152.0	79.6	70.1	62.4	64.0	66.1	69.8	72.5	70.4	62.4	53.2
G153.0	79.6	69.8	64.0	65.8	65.8	71.0	72.2	71.3	63.6	53.8
G154.0	79.9	72.2	65.5	67.9	67.9	70.7	74.0	72.2	64.9	56.0
G155.0	79.6	72.2	66.4	68.5	68.2	72.5	73.7	72.8	66.1	57.8
G156.0	79.2	72.5	66.4	70.7	70.4	74.0	75.6	73.7	68.2	59.0
G157.0	79.2	73.4	67.3	73.1	69.8	74.7	75.0	74.0	68.5	60.9
G158.0	79.9	74.0	69.4	74.0	71.3	75.3	75.9	75.9	70.7	63.0
G159.0	79.6	73.7	69.8	74.7	72.5	76.2	75.9	76.2	72.5	64.6
G160.0	78.9	73.7	71.0	76.8	73.4	75.9	75.3	77.1	72.8	66.1
G161.0	79.2	74.0	72.2	77.7	74.0	76.2	75.0	77.7	73.7	68.5
G162.0	78.3	76.2	72.8	78.9	75.0	77.1	72.5	78.6	75.3	67.3
G163.0	78.6	75.6	73.7	80.2	75.3	76.8	71.0	79.2	75.6	67.6
G164.0	78.6	75.6	73.4	80.5	76.5	78.0	68.5	78.9	76.5	67.0
G165.0	78.9	75.9	74.3	82.0	76.8	77.1	67.9	78.9	78.0	66.7
G166.0	78.6	75.9	75.9	82.3	77.7	78.6	66.4	79.2	78.3	66.4
G167.0	78.3	76.5	76.5	83.2	78.0	77.4	65.2	78.9	78.6	65.5
G168.0	78.9	76.8	78.0	84.1	78.3	78.0	66.1	78.0	78.3	66.7
G169.0	80.2	76.8	78.3	86.0	79.2	78.3	66.1	78.9	77.7	67.3
G170.0	79.9	77.1	79.6	85.7	79.2	78.3	67.3	78.0	78.6	68.2
G171.0	79.6	78.0	79.6	86.6	79.6	78.9	67.0	77.7	78.0	68.2
G172.0	78.9	77.7	80.5	86.6	81.1	78.6	68.2	76.5	75.6	67.0
G173.0	79.2	77.4	81.4	87.2	81.1	78.6	68.5	74.7	74.3	67.6
G174.0	79.2	79.2	81.7	87.8	80.5	78.3	69.4	75.0	74.7	68.8
G175.0	79.6	78.6	82.3	88.4	81.4	77.7	71.6	75.3	75.3	71.9
G176.0	79.9	79.9	82.6	89.0	80.8	78.3	73.7	75.6	75.9	73.4
G177.0	79.6	79.2	82.9	89.0	81.1	78.9	75.3	75.3	76.2	75.3
G178.0	79.6	78.6	82.9	88.1	80.2	78.6	75.9	75.3	75.3	78.6
G179.0	79.9	78.6	82.6	87.5	78.9	77.1	78.9	77.7	78.6	81.7
G180.0	78.6	76.8	80.5	84.8	76.5	75.6	80.5	79.6	83.2	86.0

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-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	6593.8	6533.5	7198.4							
G1.0	6576.0	6531.7	7208.2							
G2.0	6565.9	6536.9	7245.2							
G3.0	6559.2	6545.4	7282.2							
G4.0	6554.3	6559.5	7324.7							
G5.0	6553.4	6573.3	7373.1							
G6.0	6557.4	6590.7	7430.0							
G7.0	6568.4	6611.8	7489.6							
G8.0	6582.8	6643.4	7563.4							
G9.0	6598.1	6672.4	7658.8							
G10.0	6603.6	6708.2	7765.9							
G11.0	6626.2	6755.0	7885.6							
G12.0	6639.4	6802.8	8016.2							
G13.0	6650.1	6865.5	8157.9							
G14.0	6664.2	6933.7	8320.0							
G15.0	6662.9	7014.2	8500.2							
G16.0	6672.1	7109.9	8670.7							
G17.0	6687.4	7195.3	8892.2							
G18.0	6690.2	7286.2	9082.8							
G19.0	6697.2	7388.7	9323.3							
G20.0	6677.6	7508.6	9524.9							
G21.0	6653.5	7618.8	9738.5							
G22.0	6609.7	7726.8	9933.1							
G23.0	6566.9	7835.4	10090.6							
G24.0	6490.4	7945.5	10207.8							
G25.0	6402.6	8030.3	10305.7							
G26.0	6300.1	8102.8	10348.5							
G27.0	6160.9	8157.3	10364.8							
G28.0	6021.6	8193.0	10350.7							
G29.0	5842.6	8194.6	10309.1							
G30.0	5660.3	8176.5	10250.0							
G31.0	5474.6	8145.6	10172.0							
G32.0	5241.1	8100.3	10102.3							
G33.0	5046.5	8043.4	10026.4							
G34.0	4829.0	7984.4	9949.0							
G35.0	4573.2	7913.4	9917.2							
G36.0	4340.7	7844.3	9889.9							

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-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	4072.4	7771.1	9864.5							
G38.0	3843.5	7703.5	9882.3							
G39.0	3592.3	7639.9	9932.4							
G40.0	3335.0	7575.3	9989.3							
G41.0	3100.6	7505.9	10019.6							
G42.0	2880.0	7438.5	10112.0							
G43.0	2643.2	7347.1	10205.4							
G44.0	2419.2	7250.7	10191.0							
G45.0	2194.4	7133.8	10093.1							
G46.0	1987.2	7028.6	9942.8							
G47.0	1806.1	6905.3	9767.2							
G48.0	1616.4	6689.3	9593.7							
G49.0	1464.9	6396.8	9423.6							
G50.0	1319.0	6055.0	9320.2							
G51.0	1188.7	5683.9	9169.7							
G52.0	1073.0	5367.5	9030.2							
G53.0	970.8	5073.8	8817.2							
G54.0	891.6	4816.1	8551.0							
G55.0	818.8	4553.6	8224.0							
G56.0	751.4	4236.4	7851.3							
G57.0	693.6	3944.5	7408.6							
G58.0	643.7	3618.6	6923.9							
G59.0	606.1	3302.3	6358.8							
G60.0	573.4	3000.3	5766.8							
G61.0	543.4	2653.9	5175.6							
G62.0	519.5	2350.1	4398.8							
G63.0	499.3	2044.7	3666.3							
G64.0	476.1	1747.7	2823.4							
G65.0	454.7	1487.3	2160.4							
G66.0	431.7	1239.4	1562.8							
G67.0	412.7	1024.7	1062.3							
G68.0	395.0	844.5	792.4							
G69.0	376.0	639.5	616.8							
G70.0	358.3	504.5	511.0							
G71.0	339.9	402.3	455.3							
G72.0	318.2	318.5	427.4							
G73.0	300.8	269.5	400.2							

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-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	283.0	227.3	352.5							
G75.0	265.6	194.3	284.2							
G76.0	245.1	168.6	227.6							
G77.0	225.2	141.1	169.8							
G78.0	204.1	122.1	129.4							
G79.0	183.3	103.7	106.2							
G80.0	158.8	86.3	84.4							
G81.0	131.6	71.0	67.3							
G82.0	104.9	54.5	52.6							
G83.0	88.4	40.7	36.7							
G84.0	70.4	26.6	25.7							
G85.0	46.8	16.8	16.8							
G86.0	25.7	10.1	9.5							
G87.0	11.6	5.8	8.3							
G88.0	6.7	6.1	8.6							
G89.0	3.4	6.1	8.0							
G90.0	5.5	5.8	8.6							
G91.0	4.3	5.8	8.9							
G92.0	5.5	6.1	10.1							
G93.0	5.2	7.0	12.5							
G94.0	3.7	8.0	12.5							
G95.0	4.9	6.4	13.2							
G96.0	5.2	8.9	14.1							
G97.0	5.8	8.6	15.0							
G98.0	5.8	9.5	16.8							
G99.0	5.5	10.7	17.8							
G100.0	5.5	11.3	18.7							
G101.0	6.7	11.0	21.1							
G102.0	6.4	12.2	21.7							
G103.0	7.7	14.4	22.0							
G104.0	7.3	15.0	24.2							
G105.0	7.3	16.5	25.7							
G106.0	8.3	17.1	26.9							
G107.0	8.3	18.7	29.1							
G108.0	8.3	18.4	31.5							
G109.0	9.8	19.6	34.3							
G110.0	9.8	21.7	37.0							

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-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	10.4	21.4	37.9							
G112.0	10.7	23.3	41.9							
G113.0	11.6	25.1	44.1							
G114.0	12.5	26.3	46.5							
G115.0	13.8	27.2	48.3							
G116.0	13.5	28.8	49.9							
G117.0	14.4	30.0	51.4							
G118.0	15.6	31.5	52.3							
G119.0	16.8	33.3	54.5							
G120.0	16.8	35.8	55.7							
G121.0	17.8	36.4	56.6							
G122.0	18.4	38.3	58.1							
G123.0	19.3	39.5	59.7							
G124.0	20.8	41.0	61.2							
G125.0	22.0	41.9	60.6							
G126.0	23.0	43.8	62.4							
G127.0	24.5	45.3	63.3							
G128.0	27.5	45.6	65.2							
G129.0	26.6	46.5	66.4							
G130.0	29.1	47.7	67.6							
G131.0	30.3	48.7	68.2							
G132.0	30.9	49.3	68.2							
G133.0	33.0	49.6	69.8							
G134.0	35.2	50.2	69.8							
G135.0	35.5	50.5	70.4							
G136.0	37.9	52.3	71.0							
G137.0	38.3	52.3	71.6							
G138.0	40.4	52.3	72.5							
G139.0	41.6	54.5	73.4							
G140.0	43.1	54.2	74.0							
G141.0	44.4	56.0	73.7							
G142.0	46.2	56.3	75.6							
G143.0	46.2	57.2	75.9							
G144.0	50.2	58.4	76.2							
G145.0	50.5	60.0	77.1							
G146.0	51.1	59.7	77.7							
G147.0	52.3	60.9	78.3							

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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	54.8	62.1	79.2							
G149.0	55.4	64.6	78.6							
G150.0	56.6	65.5	79.9							
G151.0	58.4	66.4	78.3							
G152.0	59.4	68.5	79.6							
G153.0	61.8	69.2	79.6							
G154.0	62.1	70.7	79.9							
G155.0	64.6	72.5	79.6							
G156.0	64.0	73.4	79.2							
G157.0	65.8	73.4	79.2							
G158.0	67.3	73.4	79.9							
G159.0	69.2	74.0	79.6							
G160.0	68.8	74.3	78.9							
G161.0	69.8	73.7	79.2							
G162.0	70.7	74.7	78.3							
G163.0	72.5	73.4	78.6							
G164.0	72.2	73.4	78.6							
G165.0	74.0	73.1	78.9							
G166.0	73.1	72.5	78.6							
G167.0	72.2	70.1	78.3							
G168.0	71.3	69.4	78.9							
G169.0	71.9	68.5	80.2							
G170.0	73.1	69.4	79.9							
G171.0	70.1	67.0	79.6							
G172.0	68.5	65.5	78.9							
G173.0	66.7	64.6	79.2							
G174.0	68.5	64.9	79.2							
G175.0	69.2	66.7	79.6							
G176.0	69.2	68.2	79.9							
G177.0	70.4	69.2	79.6							
G178.0	71.6	70.4	79.6							
G179.0	72.8	72.2	79.9							
G180.0	77.4	75.3	78.6							

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-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector: