

Report No.:

Test Time: 2024-04-10 19:34

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: 3000K

Number of Lamps:

Luminous Length (mm): 1500

Luminous Height (mm): 70

Current: 0.1290 A

Power Factor: 0.9740

Luminaire Description: 5070

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 50

Voltage: 231.10 V

Power: 29.11 W

Photometric Results

CIE Class: General Diffuse

Measurement Flux: 3448.3 lm

Downward Ratio: 57%

Horizontal Diffuse Angle(50%): H80.7

Vertical Diffuse Angle(50%): V72.4

Luminous Efficacy (lm/w): 118.46

Max. Intensity: 1253.49 cd

S/MH(C0/C180): 1.07

Total Rated Lamp Lumens: 3448.3 lm

Efficiency: 100%

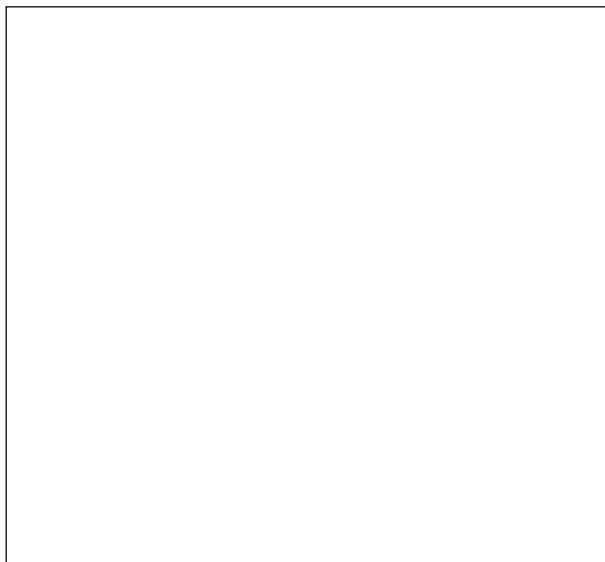
Upward Ratio: 43%

C0r0 Intensity: 1251.79 cd

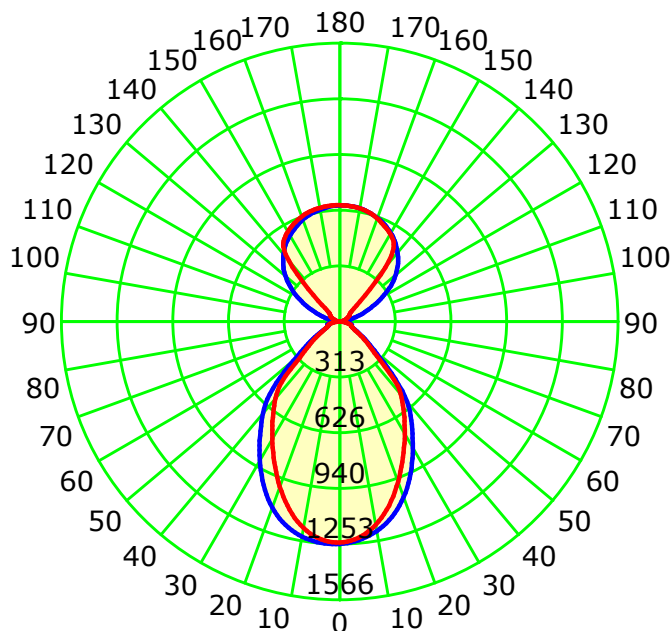
Pos of Max. Intensity: H180 V2

S/MH(C90/C270): 0.96

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 76.6°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

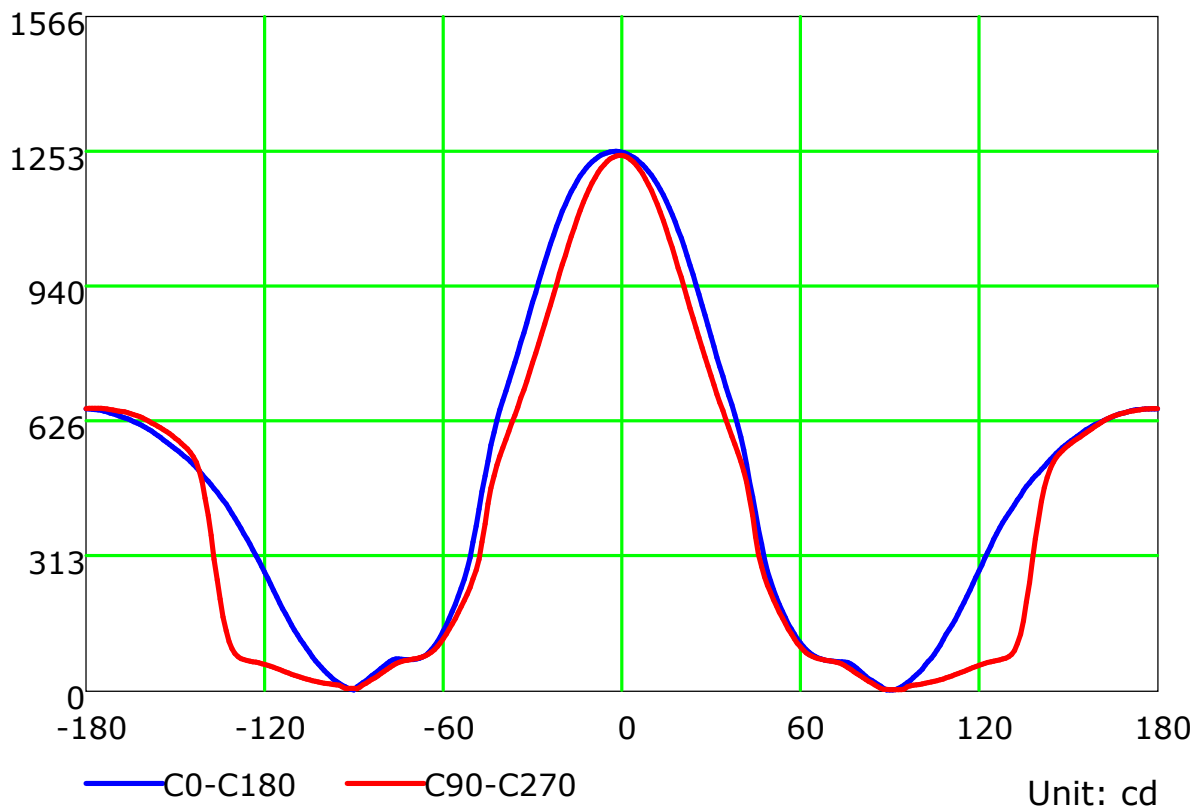
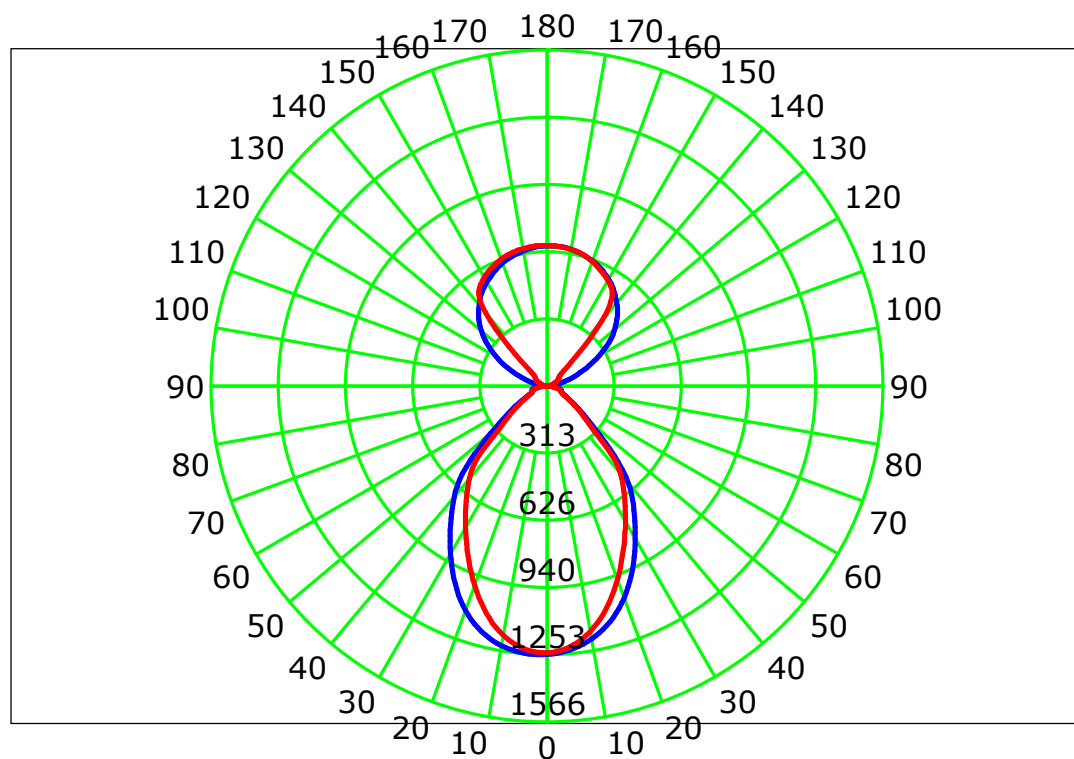
Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:



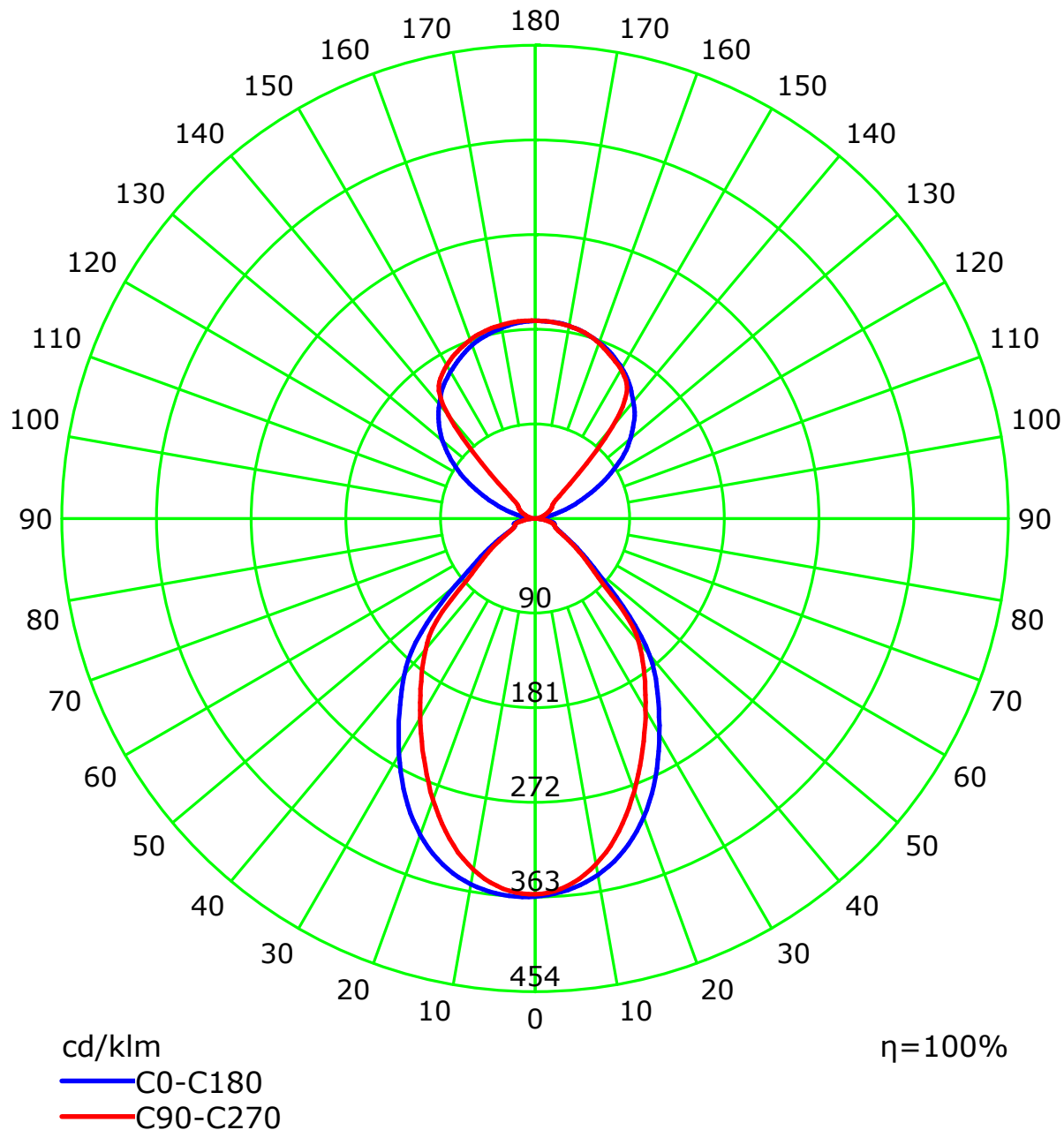
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



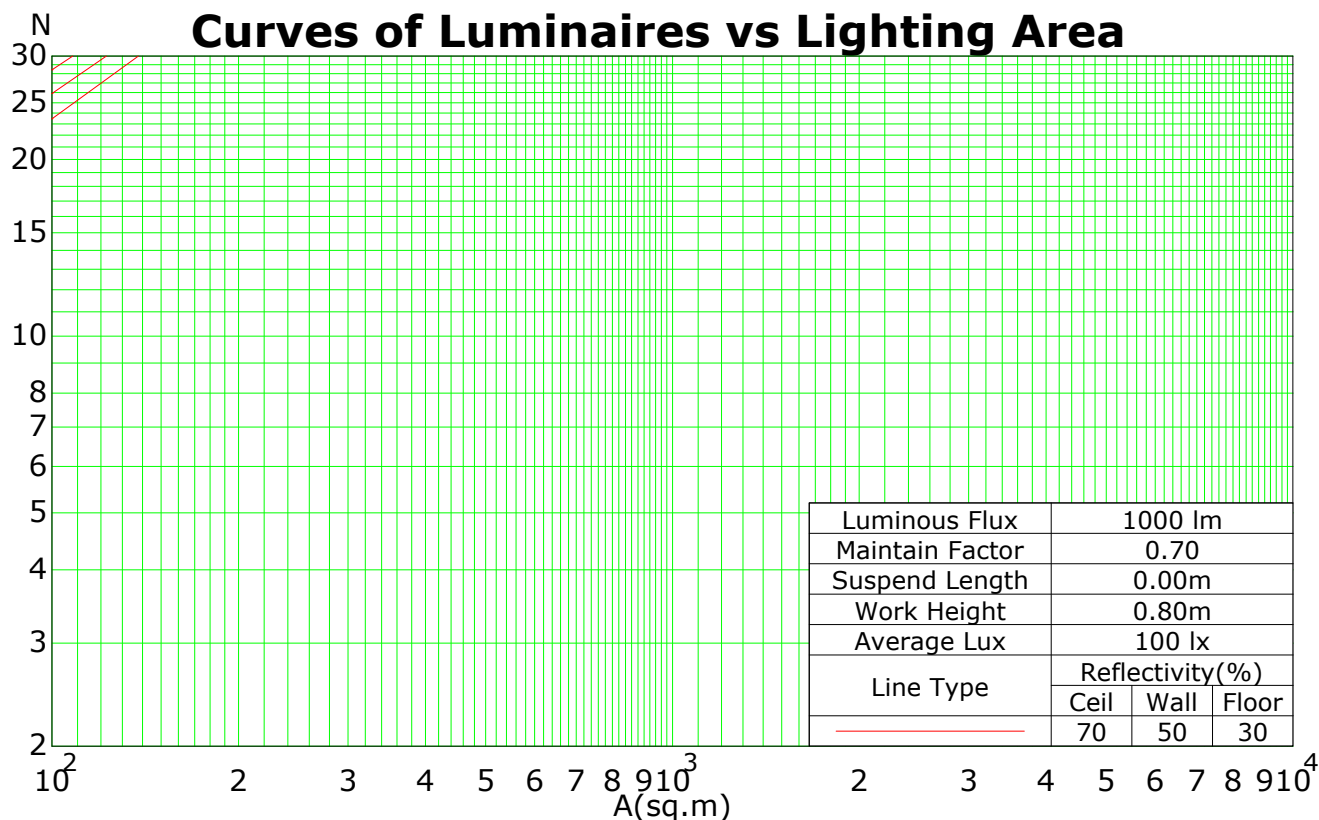
C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.09	1.09	1.09	1.09	1.01	1.01	1.01	1.01	0.87	0.87	0.87	0.74	0.74	0.74	0.62	0.62	0.62	0.57
1	1.00	0.97	0.93	0.90	0.93	0.90	0.87	0.84	0.78	0.76	0.74	0.67	0.66	0.64	0.57	0.56	0.55	0.50
2	0.93	0.86	0.80	0.76	0.86	0.80	0.76	0.72	0.70	0.67	0.64	0.61	0.58	0.56	0.52	0.50	0.48	0.44
3	0.85	0.77	0.70	0.65	0.80	0.72	0.66	0.62	0.63	0.59	0.55	0.55	0.52	0.49	0.47	0.45	0.43	0.39
4	0.79	0.69	0.62	0.56	0.74	0.65	0.59	0.54	0.57	0.52	0.48	0.50	0.46	0.43	0.43	0.41	0.38	0.35
5	0.73	0.62	0.55	0.49	0.68	0.59	0.52	0.47	0.52	0.47	0.43	0.46	0.42	0.39	0.40	0.37	0.34	0.31
6	0.68	0.57	0.49	0.44	0.63	0.54	0.47	0.42	0.48	0.42	0.38	0.42	0.38	0.35	0.37	0.34	0.31	0.28
7	0.63	0.52	0.44	0.39	0.59	0.49	0.42	0.37	0.44	0.38	0.34	0.39	0.34	0.31	0.34	0.31	0.28	0.26
8	0.59	0.47	0.40	0.35	0.55	0.45	0.38	0.34	0.40	0.35	0.31	0.36	0.32	0.28	0.32	0.28	0.26	0.24
9	0.55	0.44	0.37	0.32	0.52	0.41	0.35	0.31	0.37	0.32	0.28	0.33	0.29	0.26	0.29	0.26	0.24	0.22
10	0.52	0.40	0.33	0.29	0.49	0.38	0.32	0.28	0.34	0.29	0.26	0.31	0.27	0.24	0.27	0.24	0.22	0.20

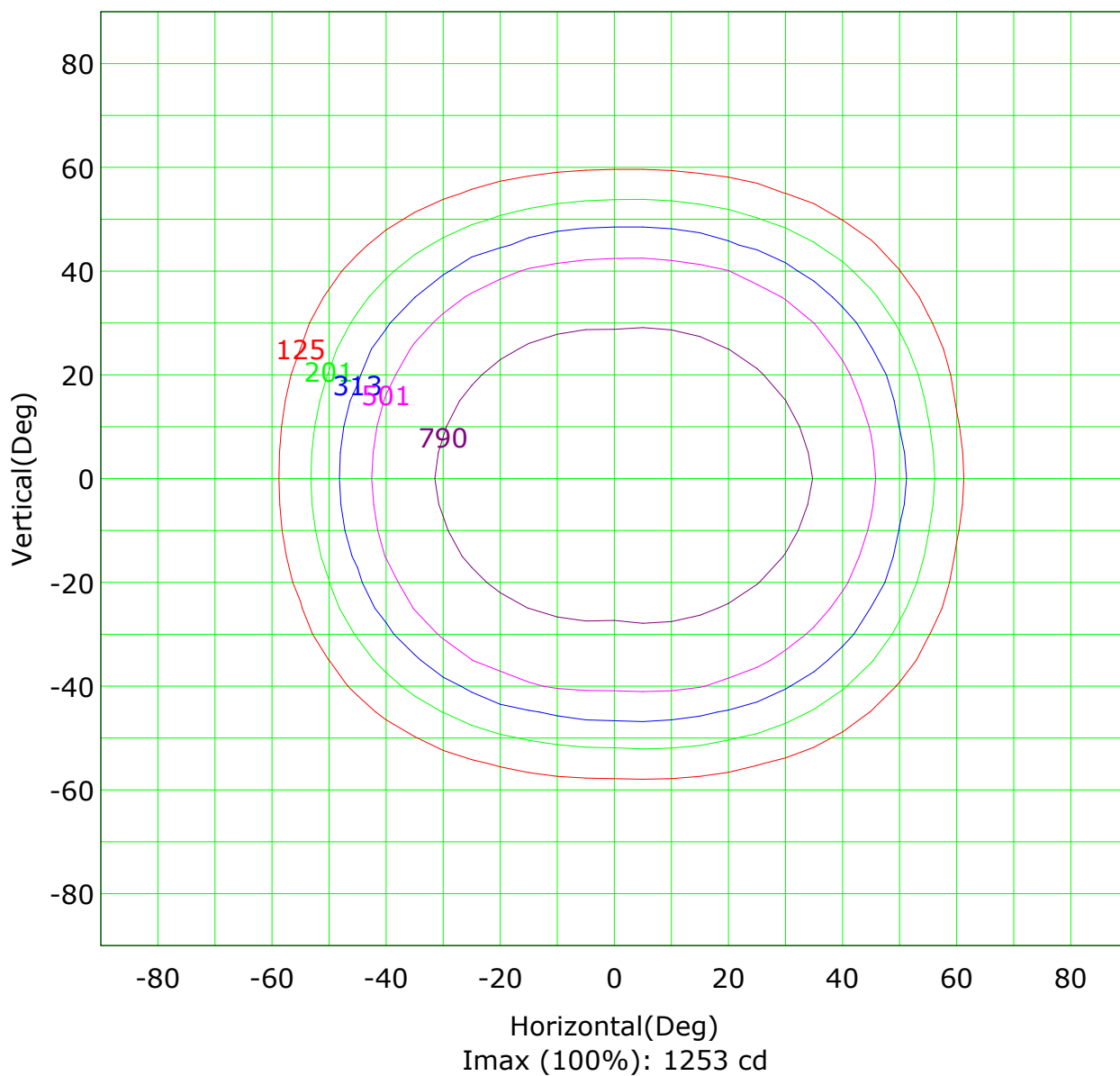
Spacing Criteria (0-180): 1.07
 Spacing Criteria (90-270): 0.96
 Spacing Criteria (Diagonal): 1.10



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (rectangle)

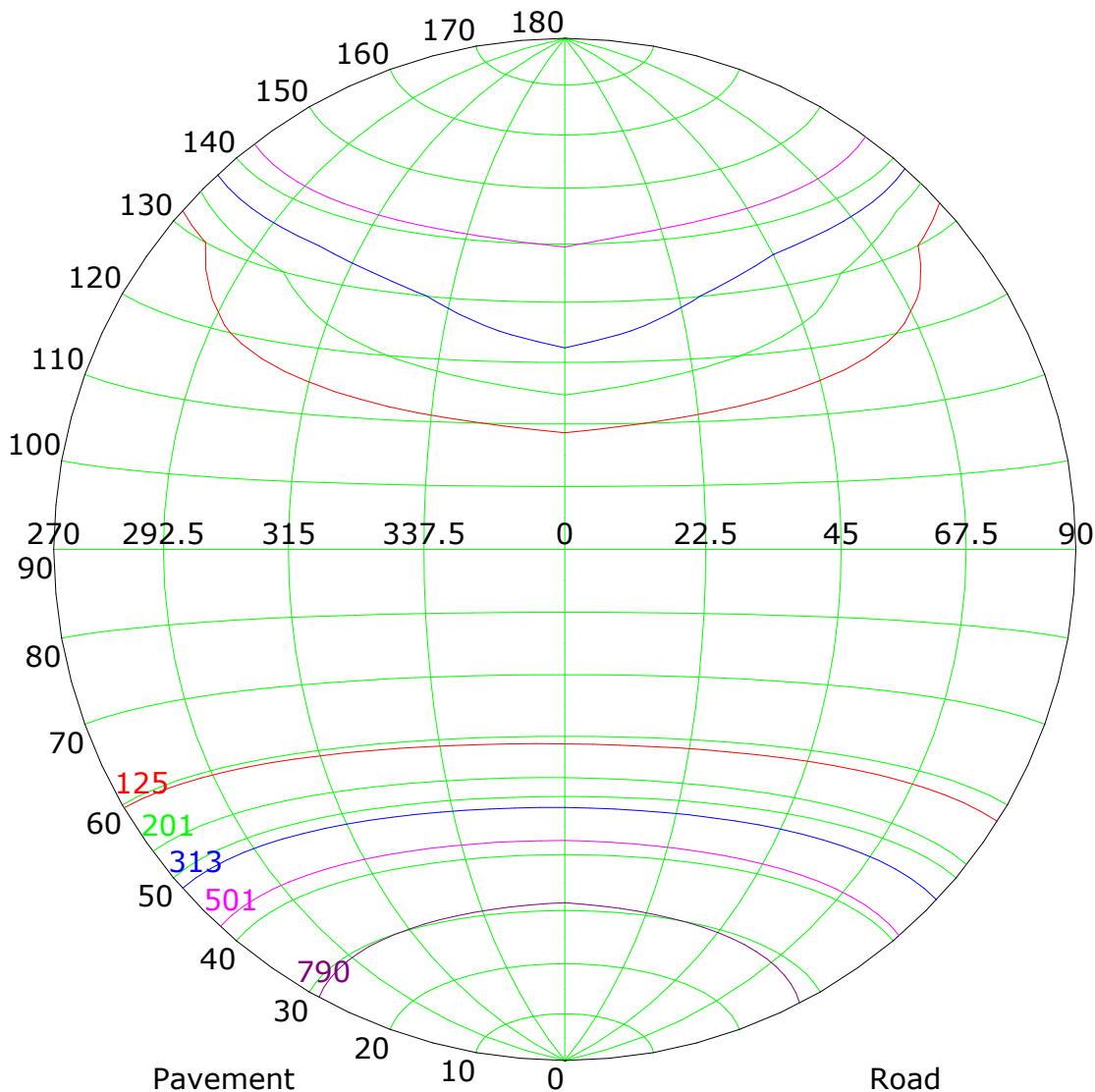


(10%): 125 cd	(16%): 201 cd
(25%): 313 cd	(40%): 501 cd
(63%): 790 cd	(100%): 1253 cd

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (sphere)



Imax (100%): 1253 cd

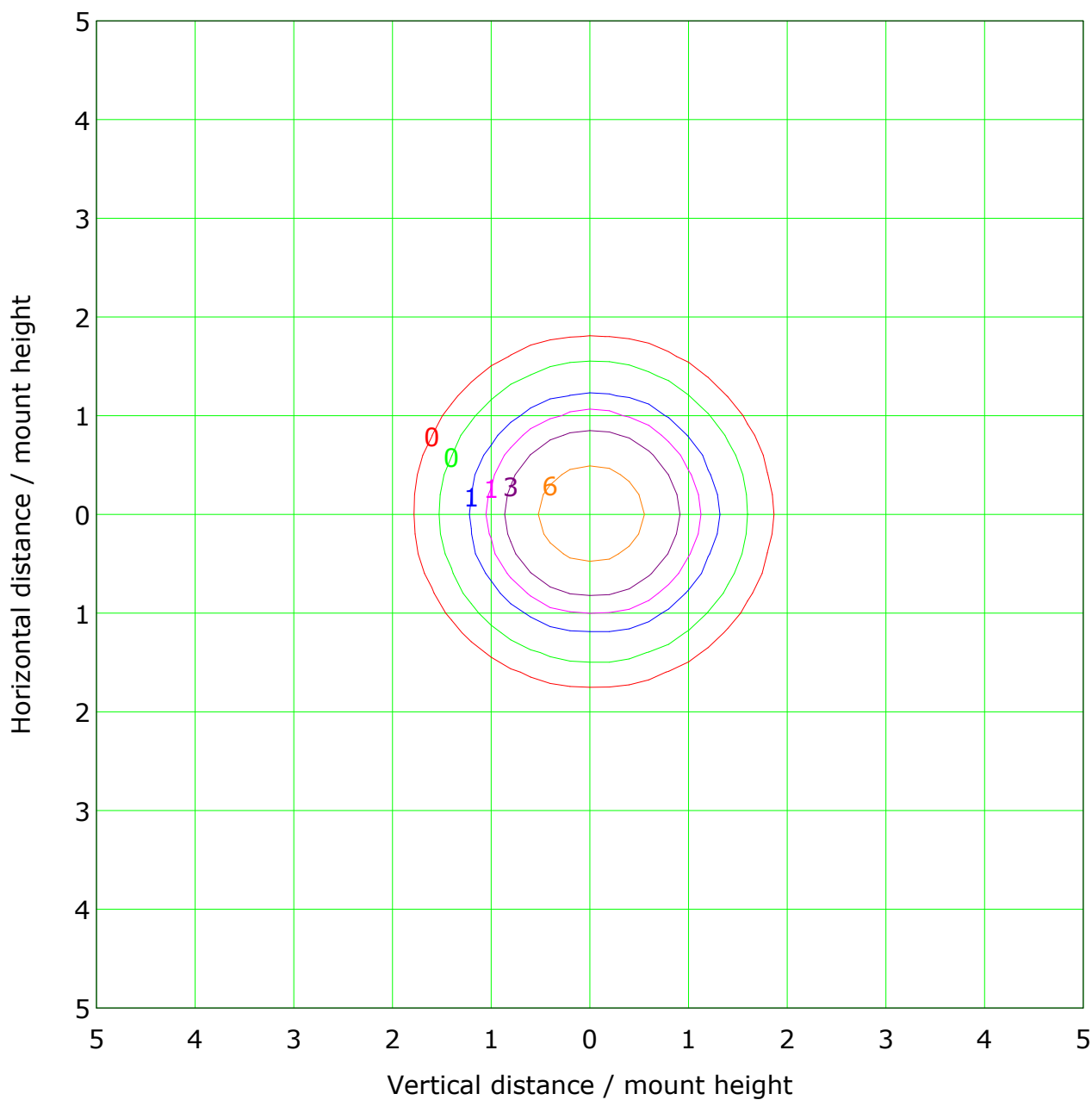
(10%): 125 cd
 (25%): 313 cd
 (63%): 790 cd

(16%): 201 cd
 (40%): 501 cd
 (100%): 1253 cd

CIE: narrow - short
 CIE: Full-cut-off luminaire
 Max.At90: 1.383 cd/klm

IES: Cut-off
 Max.At80: 16.324 cd/klm
 Max.80-90: 16.324 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 12.5 lx

(1%): 0.1 lx	(2%): 0.3 lx
(5%): 0.6 lx	(10%): 1.3 lx
(20%): 2.5 lx	(50%): 6.3 lx
(100%): 12.5 lx	

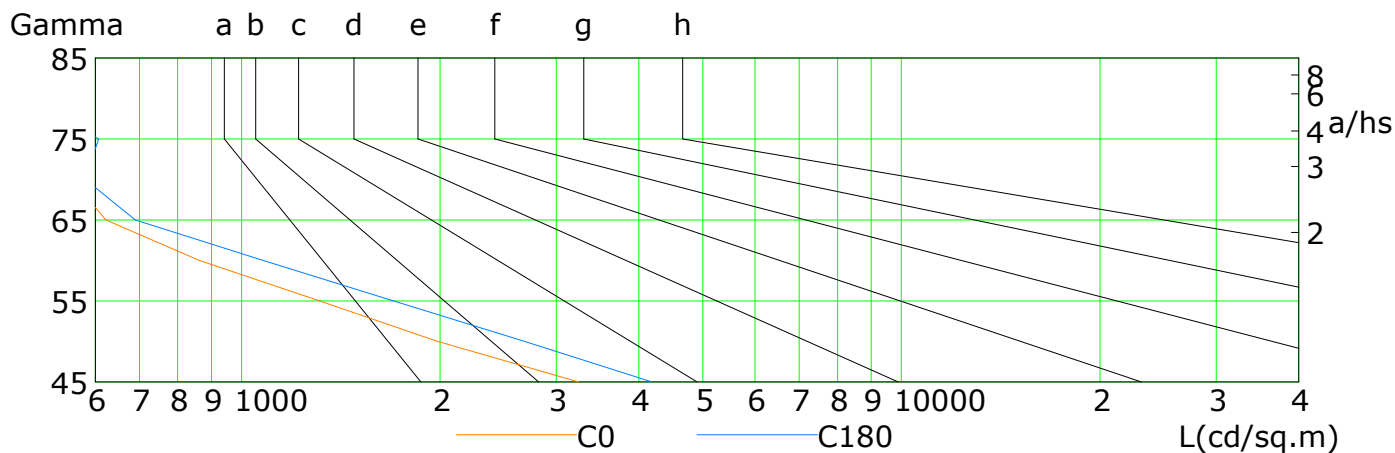
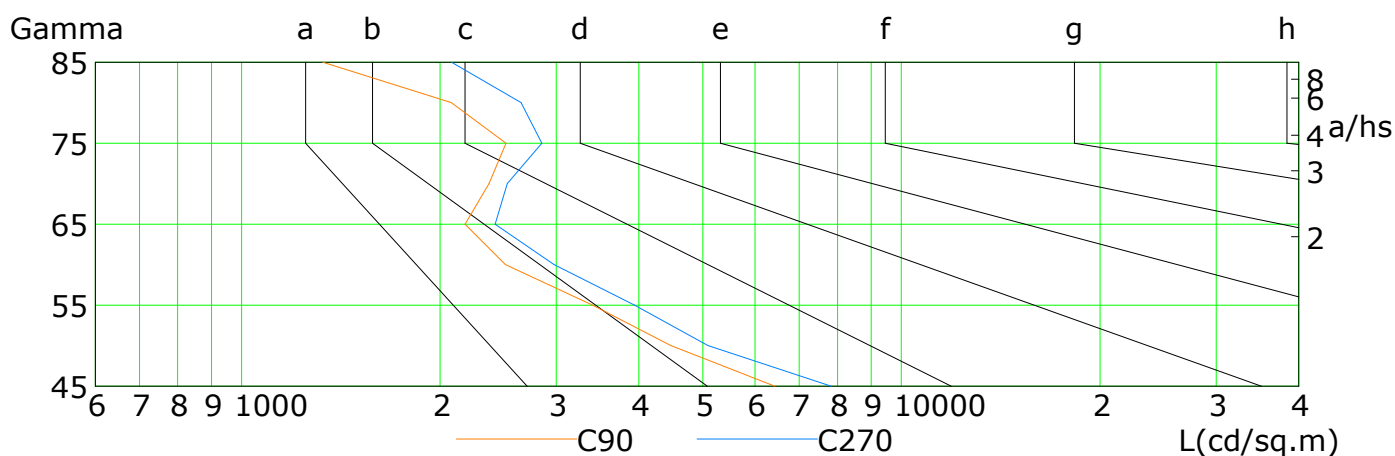
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 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	3243	1979	1313	862	623	553	548	386	168
C90	6429	4471	3404	2512	2180	2373	2516	2079	1329
C180	4189	2681	1700	1077	690	579	607	483	257
C270	7828	5093	3944	2974	2423	2528	2851	2651	2082

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

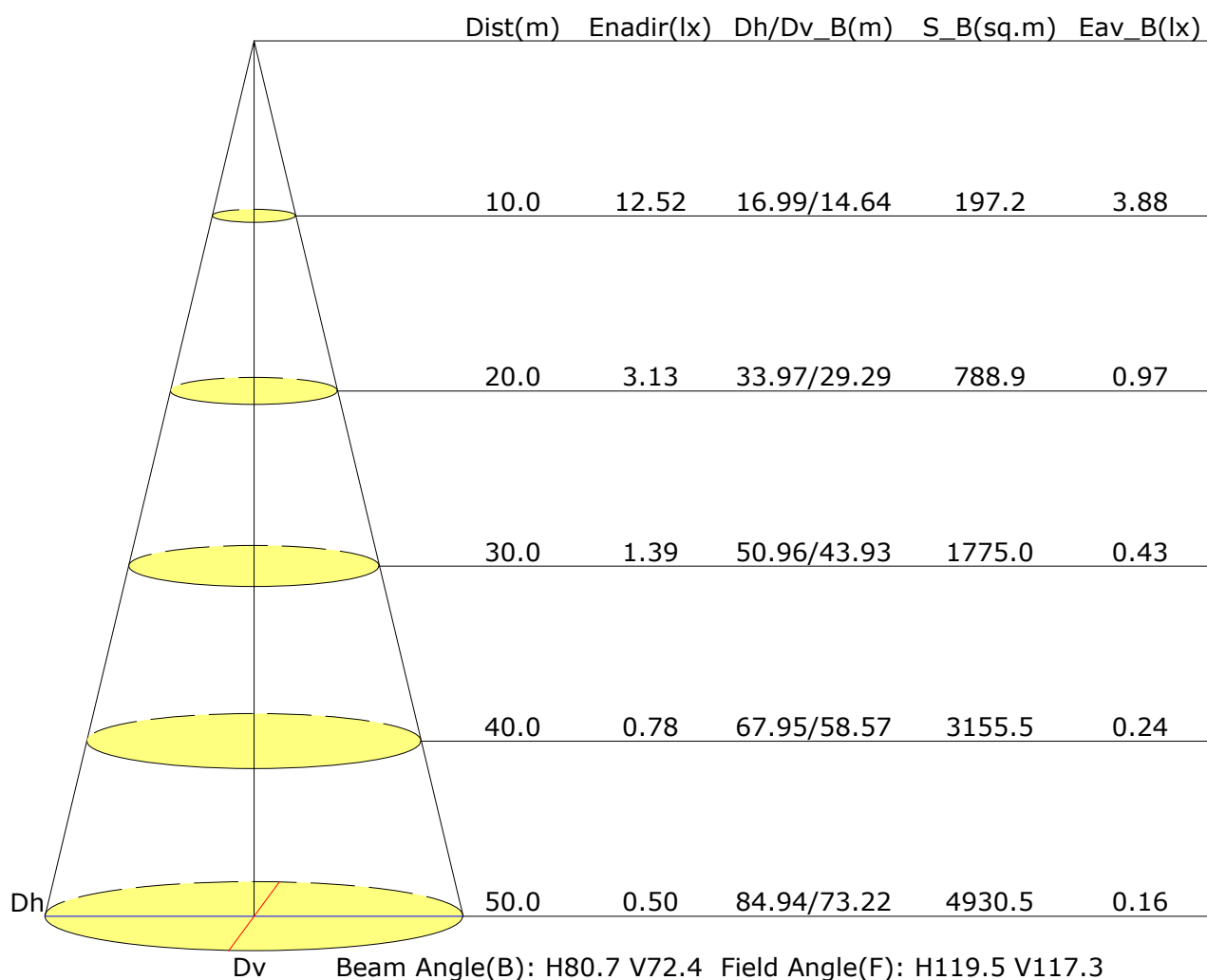
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

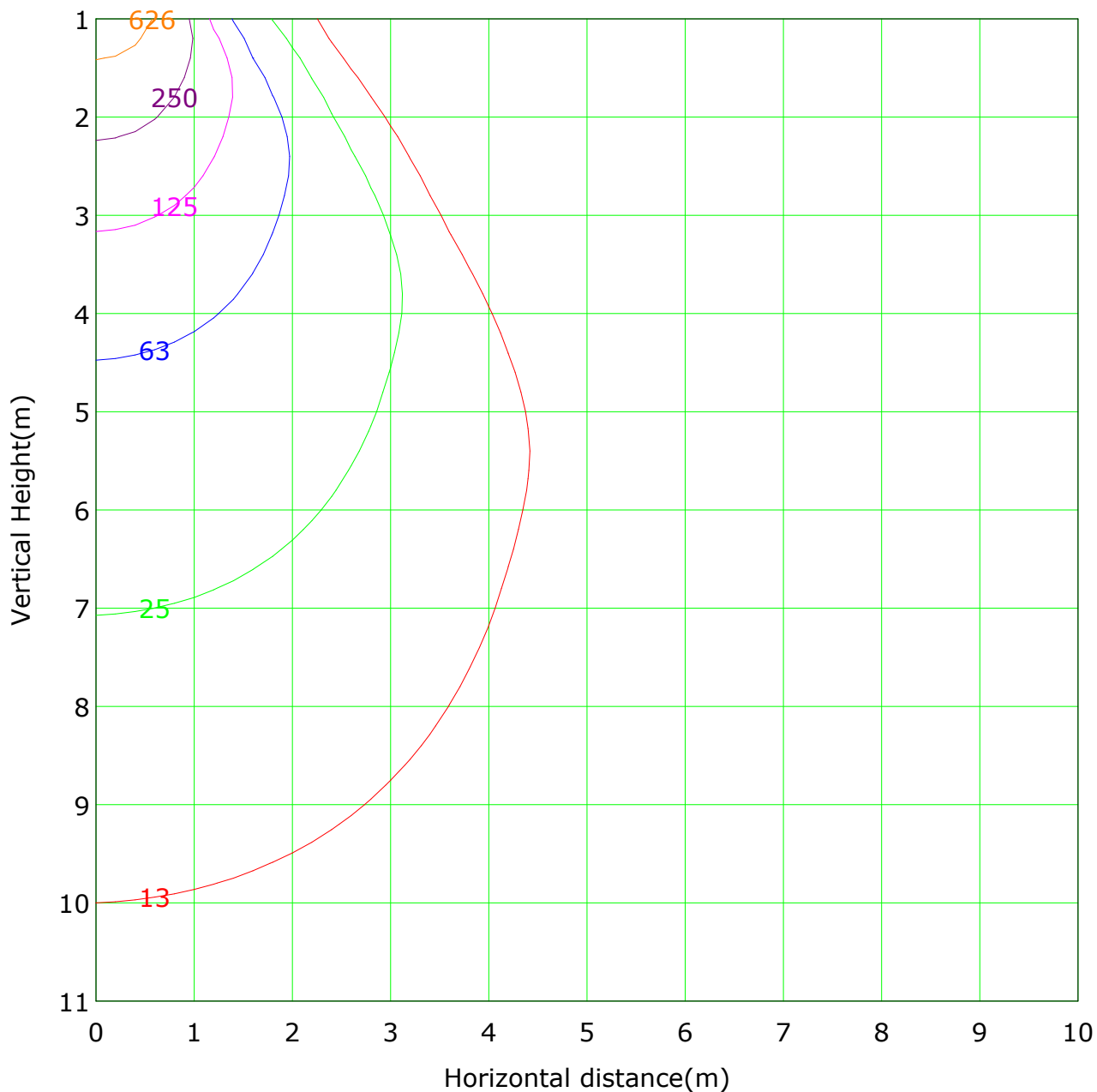
Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1251.8 lx

— (1%): 12.5 lx	— (2%): 25.0 lx
— (5%): 62.6 lx	— (10%): 125.2 lx
— (20%): 250.4 lx	— (50%): 625.9 lx
— (100%):1251.8 lx	

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

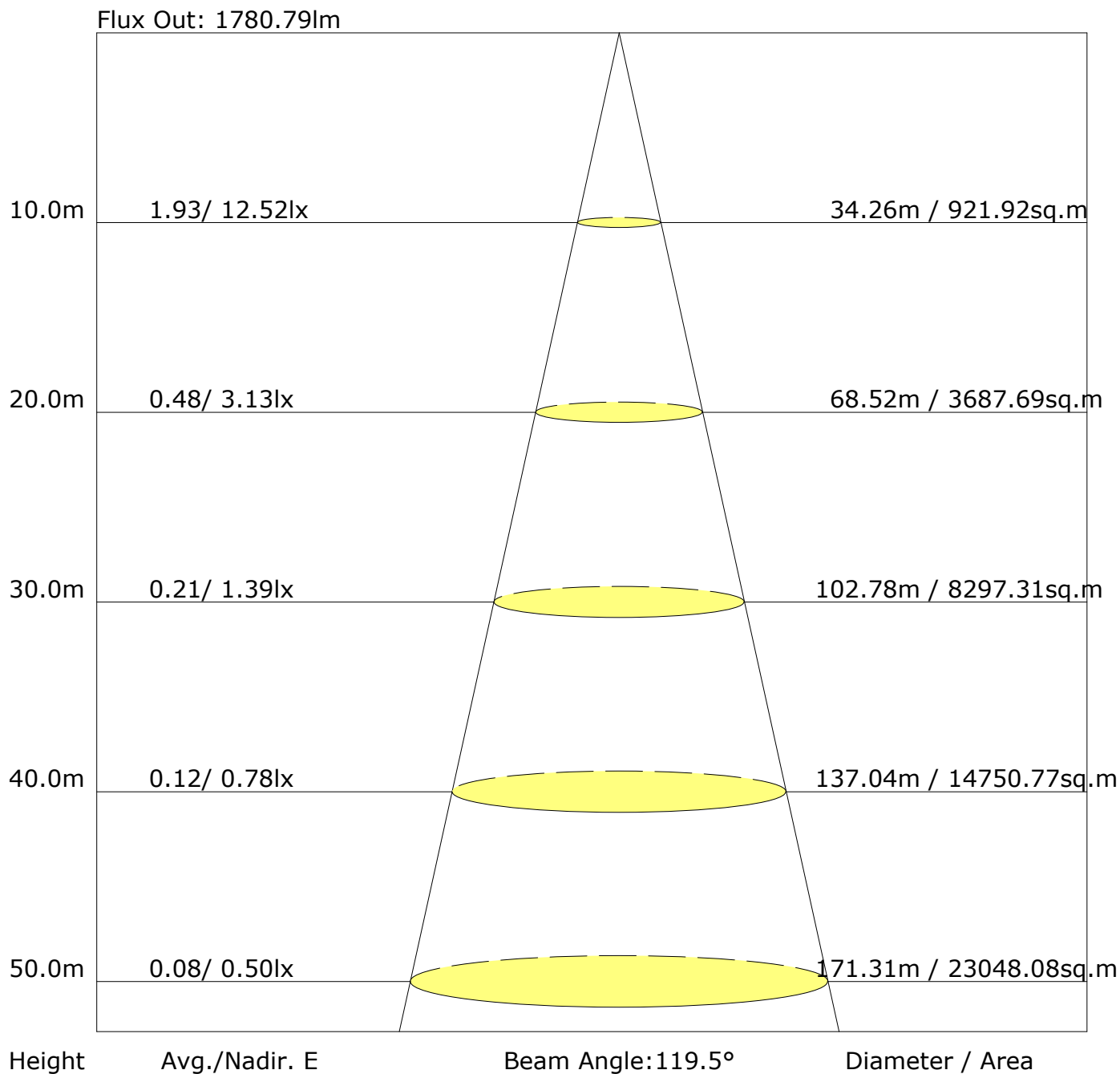
Area Flux Table

Unit: lm

Vertical plane	Horizontal plane																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
-90	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	6.1	0.0
-80	0.0	0.2	0.4	0.8	1.1	1.4	1.7	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.6	0.3	0.1	0.0	18.2	0.0
-70	0.0	0.3	0.7	1.2	1.5	1.8	2.2	2.5	2.7	2.7	2.5	2.1	1.8	1.5	1.1	0.6	0.2	0.0	25.4	0.0
-60	0.1	0.4	0.9	1.3	1.8	2.8	4.0	5.0	5.6	5.5	4.8	3.7	2.6	1.7	1.2	0.8	0.3	0.0	42.3	26.0
-50	0.1	0.5	0.9	1.5	2.9	5.2	8.2	11.2	12.7	12.5	10.5	7.3	4.6	2.5	1.4	0.9	0.4	0.0	83.3	75.0
-40	0.1	0.5	1.0	2.0	4.7	9.6	15.3	18.8	20.1	19.9	18.1	14.1	8.1	3.9	1.8	0.9	0.4	0.1	139.3	133.6
-30	0.1	0.5	1.0	2.8	7.1	14.4	20.1	24.5	26.6	26.3	23.7	19.0	12.8	5.7	2.3	1.0	0.5	0.1	188.6	184.1
-20	0.1	0.5	1.1	3.4	9.6	17.4	24.3	30.1	33.1	32.8	29.2	22.8	15.8	7.7	2.8	1.0	0.5	0.1	232.3	228.4
-10	0.1	0.6	1.2	3.9	11.1	19.2	27.2	33.8	37.0	36.6	32.6	25.4	17.4	8.8	3.0	1.1	0.5	0.1	259.4	255.8
0	0.1	0.6	1.2	3.9	11.0	19.1	27.1	33.6	36.8	36.4	32.4	25.3	17.3	8.8	3.0	1.1	0.5	0.1	258.2	254.5
10	0.1	0.5	1.1	3.4	9.4	17.2	24.0	29.7	32.5	32.2	28.7	22.6	15.6	7.5	2.7	1.0	0.5	0.1	228.8	224.9
20	0.1	0.5	1.0	2.7	6.9	14.0	19.8	24.0	25.8	25.5	23.1	18.6	12.4	5.5	2.2	1.0	0.5	0.1	183.7	179.1
30	0.1	0.5	0.9	2.0	4.5	9.1	14.6	18.1	19.3	19.1	17.4	13.3	7.6	3.7	1.7	0.9	0.4	0.1	133.3	127.4
40	0.1	0.5	0.9	1.4	2.7	4.9	7.6	10.1	11.3	11.0	9.4	6.7	4.2	2.4	1.3	0.9	0.4	0.0	75.8	67.1
50	0.1	0.4	0.9	1.2	1.7	2.6	3.6	4.5	4.9	4.8	4.2	3.3	2.4	1.6	1.2	0.8	0.3	0.0	38.4	19.3
60	0.0	0.3	0.7	1.1	1.5	1.8	2.1	2.3	2.4	2.4	2.3	2.0	1.7	1.4	1.0	0.6	0.2	0.0	23.7	0.0
70	0.0	0.2	0.4	0.7	1.0	1.3	1.5	1.6	1.7	1.7	1.6	1.5	1.2	0.9	0.6	0.3	0.1	0.0	16.4	0.0
80	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	4.6	0.0
90	1.2	7.0	14.8	33.8	79.4	142.8	204.2	252.8	275.5	272.3	243.3	190.2	127.5	65.2	28.3	13.2	5.9	0.8	1958	
Flux(T)	0.0	0.0	0.3	20.5	67.7	131.6	193.3	241.9	264.9	261.4	232.4	179.1	116.0	53.0	13.0	0.0	0.0	0.0		1775
Flux(E)																				

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

The Average Illuminance Effective Figure



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

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	10.5	11.3	11.3	12.1	13.1	12.0	12.7	12.8	13.6	14.5
3H	10.6	11.3	11.5	12.2	13.2	12.4	13.1	13.2	13.9	14.9
4H	10.8	11.4	11.7	12.3	13.4	12.7	13.4	13.6	14.2	15.3
6H	10.9	11.5	11.8	12.4	13.5	13.1	13.7	14.0	14.5	15.6
8H	10.9	11.5	11.8	12.4	13.5	13.2	13.7	14.1	14.6	15.7
12H	10.9	11.4	11.8	12.3	13.4	13.2	13.8	14.1	14.6	15.8
X=4H Y=2H	10.4	11.1	11.3	11.9	13.0	11.8	12.4	12.6	13.3	14.3
3H	10.7	11.3	11.6	12.1	13.3	12.3	12.9	13.2	13.7	14.9
4H	11.0	11.5	11.9	12.4	13.5	12.8	13.3	13.7	14.2	15.3
6H	11.2	11.6	12.1	12.5	13.7	13.2	13.7	14.2	14.6	15.8
8H	11.2	11.6	12.2	12.5	13.7	13.4	13.8	14.3	14.7	15.9
12H	11.2	11.6	12.2	12.5	13.7	13.4	13.8	14.4	14.7	15.9
X=8H Y=4H	11.0	11.4	12.0	12.3	13.5	12.7	13.1	13.7	14.1	15.2
6H	11.3	11.6	12.3	12.6	13.8	13.2	13.5	14.2	14.5	15.7
8H	11.4	11.7	12.4	12.6	13.9	13.4	13.7	14.4	14.7	15.9
12H	11.4	11.6	12.4	12.6	13.9	13.5	13.8	14.5	14.7	16.0
X=12H Y=4H	11.0	11.3	12.0	12.3	13.5	12.7	13.0	13.6	14.0	15.2
6H	11.3	11.6	12.3	12.6	13.8	13.2	13.5	14.2	14.4	15.7
8H	11.4	11.6	12.4	12.6	13.9	13.4	13.6	14.4	14.6	15.9
Variations with the observer position at spacings:										
S=1.0H	+1.0/-1.5					+0.9/-1.1				
S=1.5H	+2.1/-2.4					+2.3/-2.1				
S=2.0H	+3.5/-2.9					+3.7/-2.8				

Calculate in accordance with CIE Pub.117. The table is revised with 3448lm ($8\log(F/F_0) = 4.3$).

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.00									
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	0.54	0.62	0.68	0.73	0.78	0.82	0.85	0.89	0.91	
	0.30		0.48	0.56	0.62	0.67	0.74	0.78	0.81	0.86	0.88	
	0.20		0.43	0.52	0.58	0.63	0.69	0.74	0.78	0.83	0.86	
0.50	0.50	0.20	0.48	0.56	0.61	0.64	0.69	0.72	0.74	0.77	0.79	
	0.30		0.43	0.51	0.56	0.60	0.65	0.69	0.71	0.75	0.77	
	0.20		0.40	0.48	0.53	0.56	0.62	0.66	0.69	0.73	0.75	
0.30	0.50	0.20	0.43	0.49	0.53	0.56	0.60	0.63	0.64	0.67	0.68	
	0.30		0.39	0.46	0.50	0.53	0.57	0.60	0.62	0.65	0.67	
	0.20		0.36	0.43	0.47	0.51	0.55	0.58	0.61	0.64	0.65	
0.00	0.00	0.00	0.31	0.36	0.39	0.42	0.45	0.47	0.48	0.50	0.52	
Rating:29W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.00									
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	0.80	0.66	0.56	0.49	0.39	0.32	0.28	0.21	0.17	
	0.30		0.67	0.56	0.49	0.43	0.35	0.30	0.25	0.20	0.17	
	0.20		0.57	0.49	0.43	0.39	0.32	0.27	0.24	0.19	0.16	
0.50	0.50	0.20	0.68	0.56	0.47	0.41	0.32	0.29	0.23	0.18	0.14	
	0.30		0.58	0.48	0.42	0.37	0.30	0.25	0.21	0.17	0.14	
	0.20		0.50	0.43	0.37	0.33	0.27	0.23	0.20	0.16	0.13	
0.30	0.50	0.20	0.57	0.46	0.39	0.34	0.26	0.22	0.19	0.14	0.12	
	0.30		0.49	0.40	0.35	0.30	0.24	0.20	0.17	0.14	0.11	
	0.20		0.43	0.36	0.31	0.28	0.23	0.19	0.17	0.13	0.11	
0.00	0.00	0.00	0.26	0.21	0.18	0.16	0.12	0.10	0.09	0.07	0.06	
Rating:29W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.00									
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	0.57	0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.62	
	0.30		0.51	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	
	0.20		0.47	0.49	0.50	0.51	0.53	0.54	0.56	0.57	0.58	
0.50	0.50	0.20	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	
	0.30		0.50	0.52	0.53	0.53	0.55	0.56	0.56	0.57	0.58	
	0.20		0.47	0.48	0.49	0.50	0.52	0.53	0.54	0.55	0.56	
0.30	0.50	0.20	0.53	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	
	0.30		0.49	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	
	0.20		0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.54	
0.00	0.00	0.00	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	
Rating:29W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1247.7	1.2	1.2	0.03	0.03
1.0-2.0	1246.6	3.6	4.8	0.10	0.14
2.0-3.0	1244.3	6.0	10.7	0.17	0.31
3.0-4.0	1240.9	8.3	19.0	0.24	0.55
4.0-5.0	1236.6	10.6	29.7	0.31	0.86
5.0-6.0	1231.0	12.9	42.6	0.38	1.24
6.0-7.0	1224.3	15.2	57.8	0.44	1.68
7.0-8.0	1216.7	17.4	75.2	0.51	2.18
8.0-9.0	1207.8	19.6	94.8	0.57	2.75
9.0-10.0	1197.8	21.7	116.5	0.63	3.38
10.0-11.0	1186.5	23.7	140.2	0.69	4.07
11.0-12.0	1174.3	25.7	165.9	0.74	4.81
12.0-13.0	1161.5	27.6	193.4	0.80	5.61
13.0-14.0	1146.9	29.4	222.8	0.85	6.46
14.0-15.0	1131.2	31.1	253.9	0.90	7.36
15.0-16.0	1114.5	32.7	286.5	0.95	8.31
16.0-17.0	1096.8	34.2	320.7	0.99	9.30
17.0-18.0	1078.6	35.6	356.2	1.03	10.33
18.0-19.0	1059.0	36.8	393.1	1.07	11.40
19.0-20.0	1039.0	38.0	431.1	1.10	12.50
20.0-21.0	1018.8	39.1	470.3	1.13	13.64
21.0-22.0	997.4	40.1	510.3	1.16	14.80
22.0-23.0	975.5	40.9	551.3	1.19	15.99
23.0-24.0	953.1	41.7	592.9	1.21	17.20
24.0-25.0	930.3	42.3	635.3	1.23	18.42
25.0-26.0	908.2	42.9	678.1	1.24	19.67
26.0-27.0	885.2	43.3	721.4	1.26	20.92
27.0-28.0	861.9	43.6	765.1	1.27	22.19
28.0-29.0	839.5	43.9	809.0	1.27	23.46
29.0-30.0	816.4	44.1	853.1	1.28	24.74
30.0-31.0	793.4	44.2	897.3	1.28	26.02
31.0-32.0	770.6	44.2	941.4	1.28	27.30
32.0-33.0	748.5	44.1	985.5	1.28	28.58
33.0-34.0	727.8	44.0	1029.6	1.28	29.86
34.0-35.0	706.1	43.9	1073.4	1.27	31.13
35.0-36.0	684.8	43.6	1117.0	1.26	32.39

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
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	664.5	43.3	1160.4	1.26	33.65
37.0-38.0	643.9	43.0	1203.4	1.25	34.90
38.0-39.0	623.4	42.6	1245.9	1.23	36.13
39.0-40.0	601.6	42.0	1287.9	1.22	37.35
40.0-41.0	578.6	41.2	1329.1	1.19	38.54
41.0-42.0	554.0	40.3	1369.3	1.17	39.71
42.0-43.0	524.5	38.9	1408.2	1.13	40.84
43.0-44.0	491.4	37.1	1445.3	1.08	41.91
44.0-45.0	454.4	34.9	1480.2	1.01	42.93
45.0-46.0	414.3	32.4	1512.6	0.94	43.87
46.0-47.0	376.5	30.0	1542.6	0.87	44.73
47.0-48.0	341.3	27.6	1570.2	0.80	45.53
48.0-49.0	309.8	25.4	1595.6	0.74	46.27
49.0-50.0	283.7	23.7	1619.3	0.69	46.96
50.0-51.0	259.8	22.0	1641.2	0.64	47.60
51.0-52.0	238.9	20.5	1661.8	0.59	48.19
52.0-53.0	221.1	19.2	1681.0	0.56	48.75
53.0-54.0	204.2	18.0	1699.0	0.52	49.27
54.0-55.0	188.8	16.9	1715.8	0.49	49.76
55.0-56.0	173.9	15.7	1731.6	0.46	50.21
56.0-57.0	159.6	14.6	1746.2	0.42	50.64
57.0-58.0	146.8	13.6	1759.7	0.39	51.03
58.0-59.0	134.5	12.6	1772.3	0.36	51.40
59.0-60.0	123.1	11.6	1783.9	0.34	51.73
60.0-61.0	112.8	10.8	1794.7	0.31	52.05
61.0-62.0	103.7	10.0	1804.7	0.29	52.34
62.0-63.0	96.2	9.4	1814.1	0.27	52.61
63.0-64.0	89.5	8.8	1822.8	0.25	52.86
64.0-65.0	84.1	8.3	1831.2	0.24	53.10
65.0-66.0	79.9	8.0	1839.1	0.23	53.33
66.0-67.0	76.6	7.7	1846.8	0.22	53.56
67.0-68.0	74.2	7.5	1854.4	0.22	53.78
68.0-69.0	72.4	7.4	1861.7	0.21	53.99
69.0-70.0	71.2	7.3	1869.1	0.21	54.20
70.0-71.0	70.2	7.3	1876.3	0.21	54.41
71.0-72.0	69.4	7.2	1883.5	0.21	54.62

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
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	68.5	7.2	1890.7	0.21	54.83
73.0-74.0	67.6	7.1	1897.8	0.21	55.04
74.0-75.0	66.2	7.0	1904.8	0.20	55.24
75.0-76.0	64.3	6.8	1911.6	0.20	55.44
76.0-77.0	61.5	6.6	1918.2	0.19	55.63
77.0-78.0	57.7	6.2	1924.4	0.18	55.81
78.0-79.0	53.0	5.7	1930.1	0.17	55.97
79.0-80.0	47.6	5.1	1935.2	0.15	56.12
80.0-81.0	42.2	4.6	1939.8	0.13	56.25
81.0-82.0	37.0	4.0	1943.8	0.12	56.37
82.0-83.0	32.0	3.5	1947.3	0.10	56.47
83.0-84.0	27.4	3.0	1950.2	0.09	56.56
84.0-85.0	22.8	2.5	1952.7	0.07	56.63
85.0-86.0	18.1	2.0	1954.7	0.06	56.69
86.0-87.0	13.7	1.5	1956.2	0.04	56.73
87.0-88.0	9.4	1.0	1957.2	0.03	56.76
88.0-89.0	5.7	0.6	1957.9	0.02	56.78
89.0-90.0	3.2	0.3	1958.2	0.01	56.79
90.0-91.0	2.4	0.3	1958.5	0.01	56.80
91.0-92.0	3.1	0.3	1958.8	0.01	56.80
92.0-93.0	4.2	0.5	1959.3	0.01	56.82
93.0-94.0	6.4	0.7	1960.0	0.02	56.84
94.0-95.0	9.5	1.0	1961.0	0.03	56.87
95.0-96.0	13.3	1.5	1962.5	0.04	56.91
96.0-97.0	17.1	1.9	1964.3	0.05	56.96
97.0-98.0	20.7	2.2	1966.6	0.07	57.03
98.0-99.0	24.3	2.6	1969.2	0.08	57.11
99.0-100.0	28.1	3.0	1972.3	0.09	57.19
100.0-101.0	32.3	3.5	1975.7	0.10	57.30
101.0-102.0	36.8	4.0	1979.7	0.11	57.41
102.0-103.0	41.5	4.4	1984.1	0.13	57.54
103.0-104.0	46.3	4.9	1989.1	0.14	57.68
104.0-105.0	51.7	5.5	1994.6	0.16	57.84
105.0-106.0	57.6	6.1	2000.6	0.18	58.02
106.0-107.0	63.7	6.7	2007.3	0.19	58.21
107.0-108.0	70.2	7.3	2014.7	0.21	58.42

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
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	77.0	8.0	2022.7	0.23	58.66
109.0-110.0	83.9	8.7	2031.3	0.25	58.91
110.0-111.0	90.6	9.3	2040.7	0.27	59.18
111.0-112.0	97.7	10.0	2050.6	0.29	59.47
112.0-113.0	105.2	10.7	2061.3	0.31	59.78
113.0-114.0	113.2	11.4	2072.7	0.33	60.11
114.0-115.0	121.3	12.1	2084.8	0.35	60.46
115.0-116.0	129.5	12.8	2097.6	0.37	60.83
116.0-117.0	138.2	13.6	2111.2	0.39	61.22
117.0-118.0	146.8	14.3	2125.4	0.41	61.64
118.0-119.0	155.1	15.0	2140.4	0.43	62.07
119.0-120.0	163.6	15.6	2156.0	0.45	62.52
120.0-121.0	171.7	16.2	2172.2	0.47	62.99
121.0-122.0	179.8	16.8	2189.0	0.49	63.48
122.0-123.0	187.7	17.4	2206.4	0.50	63.98
123.0-124.0	195.2	17.9	2224.2	0.52	64.50
124.0-125.0	203.2	18.4	2242.6	0.53	65.03
125.0-126.0	210.7	18.8	2261.4	0.55	65.58
126.0-127.0	217.8	19.2	2280.6	0.56	66.14
127.0-128.0	225.1	19.6	2300.2	0.57	66.71
128.0-129.0	232.2	19.9	2320.1	0.58	67.28
129.0-130.0	240.0	20.3	2340.4	0.59	67.87
130.0-131.0	248.9	20.8	2361.2	0.60	68.47
131.0-132.0	259.3	21.3	2382.5	0.62	69.09
132.0-133.0	273.1	22.1	2404.6	0.64	69.73
133.0-134.0	290.2	23.1	2427.7	0.67	70.40
134.0-135.0	311.1	24.3	2452.0	0.71	71.11
135.0-136.0	336.2	25.8	2477.8	0.75	71.86
136.0-137.0	363.3	27.4	2505.3	0.80	72.65
137.0-138.0	392.7	29.1	2534.4	0.84	73.50
138.0-139.0	422.3	30.7	2565.0	0.89	74.39
139.0-140.0	448.6	32.0	2597.0	0.93	75.31
140.0-141.0	473.1	33.0	2630.0	0.96	76.27
141.0-142.0	494.1	33.7	2663.7	0.98	77.25
142.0-143.0	510.7	34.1	2697.8	0.99	78.24
143.0-144.0	524.5	34.2	2732.0	0.99	79.23

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:



Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	535.3	34.1	2766.1	0.99	80.22
145.0-146.0	544.2	33.8	2799.9	0.98	81.20
146.0-147.0	551.8	33.4	2833.3	0.97	82.17
147.0-148.0	558.3	32.9	2866.2	0.95	83.12
148.0-149.0	564.6	32.3	2898.6	0.94	84.06
149.0-150.0	570.5	31.8	2930.3	0.92	84.98
150.0-151.0	576.0	31.1	2961.4	0.90	85.88
151.0-152.0	581.2	30.4	2991.8	0.88	86.76
152.0-153.0	586.1	29.7	3021.5	0.86	87.62
153.0-154.0	591.1	28.9	3050.4	0.84	88.46
154.0-155.0	596.1	28.1	3078.6	0.82	89.28
155.0-156.0	600.8	27.3	3105.9	0.79	90.07
156.0-157.0	605.4	26.5	3132.4	0.77	90.84
157.0-158.0	609.8	25.6	3158.0	0.74	91.58
158.0-159.0	614.1	24.7	3182.6	0.72	92.30
159.0-160.0	618.3	23.7	3206.4	0.69	92.98
160.0-161.0	622.1	22.8	3229.2	0.66	93.64
161.0-162.0	625.8	21.8	3250.9	0.63	94.28
162.0-163.0	629.2	20.7	3271.7	0.60	94.88
163.0-164.0	632.1	19.7	3291.4	0.57	95.45
164.0-165.0	635.1	18.6	3310.0	0.54	95.99
165.0-166.0	637.9	17.5	3327.5	0.51	96.50
166.0-167.0	640.4	16.4	3343.9	0.48	96.97
167.0-168.0	642.4	15.2	3359.1	0.44	97.41
168.0-169.0	644.2	14.1	3373.2	0.41	97.82
169.0-170.0	646.0	12.9	3386.1	0.37	98.20
170.0-171.0	647.8	11.7	3397.9	0.34	98.54
171.0-172.0	649.5	10.5	3408.4	0.31	98.84
172.0-173.0	651.0	9.3	3417.7	0.27	99.11
173.0-174.0	652.3	8.1	3425.8	0.23	99.35
174.0-175.0	653.3	6.9	3432.7	0.20	99.55
175.0-176.0	654.1	5.6	3438.3	0.16	99.71
176.0-177.0	654.6	4.4	3442.7	0.13	99.84
177.0-178.0	654.9	3.1	3445.8	0.09	99.93
178.0-179.0	655.1	1.9	3447.7	0.05	99.98
179.0-180.0	655.2	0.6	3448.3	0.02	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 1480.21 lm

%lum = 42.9%

%lamp = 42.9%

cone flux(120°): 1783.94 lm

%lum = 51.7%

%lamp = 51.7%



Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1251.8	1244.1	1251.8	1244.1	1251.8					
G1.0	1249.8	1242.6	1252.8	1244.3	1249.8					
G2.0	1247.2	1239.5	1253.5	1242.9	1247.2					
G3.0	1243.7	1234.7	1253.2	1239.9	1243.7					
G4.0	1239.5	1228.6	1252.1	1235.8	1239.5					
G5.0	1234.9	1221.5	1250.5	1230.2	1234.9					
G6.0	1228.8	1211.8	1247.8	1222.7	1228.8					
G7.0	1222.5	1201.9	1244.6	1214.6	1222.5					
G8.0	1215.5	1189.3	1240.2	1205.0	1215.5					
G9.0	1206.9	1176.8	1235.5	1193.1	1206.9					
G10.0	1197.9	1162.4	1229.5	1180.3	1197.9					
G11.0	1187.4	1146.2	1222.3	1165.7	1187.4					
G12.0	1177.0	1130.1	1214.8	1151.1	1177.0					
G13.0	1165.3	1112.1	1206.5	1135.4	1165.3					
G14.0	1151.7	1092.2	1196.3	1116.0	1151.7					
G15.0	1137.7	1072.2	1185.4	1097.8	1137.7					
G16.0	1122.8	1050.4	1172.9	1077.0	1122.8					
G17.0	1106.1	1028.7	1160.2	1056.0	1106.1					
G18.0	1089.7	1006.3	1146.2	1035.2	1089.7					
G19.0	1070.1	982.4	1130.2	1012.0	1070.1					
G20.0	1051.9	960.3	1114.4	990.3	1051.9					
G21.0	1032.1	937.0	1096.2	968.4	1032.1					
G22.0	1010.6	912.7	1078.6	943.2	1010.6					
G23.0	989.0	889.5	1059.1	921.2	989.0					
G24.0	966.8	865.7	1037.8	895.9	966.8					
G25.0	943.0	843.0	1016.7	874.0	943.0					
G26.0	920.9	820.5	995.6	852.0	920.9					
G27.0	895.1	797.1	971.9	828.1	895.1					
G28.0	872.5	775.1	949.7	805.6	872.5					
G29.0	848.6	754.5	925.1	784.5	848.6					
G30.0	823.0	731.3	902.4	761.7	823.0					
G31.0	799.5	710.4	878.6	740.4	799.5					
G32.0	774.4	689.1	853.8	718.5	774.4					
G33.0	752.8	669.2	831.3	698.9	752.8					
G34.0	730.5	650.8	809.0	679.8	730.5					
G35.0	706.5	630.1	784.0	658.4	706.5					
G36.0	685.8	611.4	762.3	640.1	685.8					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	664.0	591.0	739.2	622.1	664.0					
G38.0	641.0	573.0	718.3	602.5	641.0					
G39.0	617.8	553.8	696.7	584.0	617.8					
G40.0	589.0	532.8	674.2	564.2	589.0					
G41.0	559.6	510.6	652.9	545.4	559.6					
G42.0	525.4	484.5	628.8	524.5	525.4					
G43.0	485.8	447.3	600.1	499.4	485.8					
G44.0	450.1	407.0	570.4	470.8	450.1					
G45.0	412.7	356.9	533.2	434.5	412.7					
G46.0	375.0	316.0	499.0	387.1	375.0					
G47.0	340.1	287.7	462.7	344.7	340.1					
G48.0	304.8	263.8	421.6	305.0	304.8					
G49.0	277.4	244.6	382.0	279.5	277.4					
G50.0	254.6	227.6	344.8	259.2	254.6					
G51.0	233.9	210.8	308.2	239.2	233.9					
G52.0	216.2	197.2	282.2	223.7	216.2					
G53.0	199.7	182.1	258.3	209.4	199.7					
G54.0	183.1	168.7	237.6	194.6	183.1					
G55.0	169.4	156.2	219.4	181.0	169.4					
G56.0	154.6	142.6	200.5	167.3	154.6					
G57.0	142.6	131.4	183.4	154.6	142.6					
G58.0	131.0	120.5	168.2	143.0	131.0					
G59.0	120.0	109.9	152.3	131.1	120.0					
G60.0	110.7	101.8	138.3	120.5	110.7					
G61.0	102.5	93.8	124.5	110.2	102.5					
G62.0	94.9	87.7	113.7	102.4	94.9					
G63.0	88.9	83.0	103.6	95.2	88.9					
G64.0	83.2	78.9	94.7	88.9	83.2					
G65.0	79.0	76.0	87.6	84.5	79.0					
G66.0	75.6	74.0	81.7	80.8	75.6					
G67.0	73.0	72.3	77.5	77.9	73.0					
G68.0	71.1	71.0	74.7	75.9	71.1					
G69.0	69.7	69.8	73.0	74.3	69.7					
G70.0	68.8	68.7	72.0	73.2	68.8					
G71.0	68.1	67.4	71.7	72.0	68.1					
G72.0	67.4	65.9	71.8	70.7	67.4					
G73.0	66.9	64.1	72.2	69.3	66.9					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	66.6	61.2	72.9	67.4	66.6					
G75.0	66.2	57.3	73.3	65.0	66.2					
G76.0	64.9	53.0	73.2	61.9	64.9					
G77.0	61.6	48.5	71.4	57.9	61.6					
G78.0	57.2	43.6	67.6	53.5	57.2					
G79.0	51.5	39.0	62.5	49.0	51.5					
G80.0	44.9	34.3	56.3	43.7	44.9					
G81.0	38.9	29.8	50.8	38.9	38.9					
G82.0	32.9	25.8	45.0	34.2	32.9					
G83.0	27.3	21.5	39.6	29.5	27.3					
G84.0	23.4	17.5	34.5	25.6	23.4					
G85.0	18.7	13.3	28.5	20.9	18.7					
G86.0	14.5	9.6	23.0	16.6	14.5					
G87.0	10.2	4.8	18.3	12.8	10.2					
G88.0	5.2	2.8	13.0	7.9	5.2					
G89.0	1.5	2.5	8.7	3.9	1.5					
G90.0	0.9	1.8	1.3	4.8	0.9					
G91.0	1.2	1.9	2.8	4.8	1.2					
G92.0	1.9	2.0	5.0	4.8	1.9					
G93.0	4.7	2.1	8.3	5.2	4.7					
G94.0	8.4	2.2	12.0	8.3	8.4					
G95.0	13.3	3.1	16.6	12.0	13.3					
G96.0	18.4	8.3	21.5	13.4	18.4					
G97.0	23.8	10.8	26.8	14.1	23.8					
G98.0	29.8	12.0	32.8	15.1	29.8					
G99.0	36.2	13.0	39.1	16.0	36.2					
G100.0	43.1	14.0	46.3	17.1	43.1					
G101.0	49.8	15.2	54.3	18.4	49.8					
G102.0	59.1	16.5	61.4	19.6	59.1					
G103.0	67.2	18.0	69.1	21.1	67.2					
G104.0	74.5	19.5	78.4	22.8	74.5					
G105.0	83.6	21.2	88.8	24.7	83.6					
G106.0	94.2	23.0	98.3	26.6	94.2					
G107.0	105.1	25.0	108.8	28.8	105.1					
G108.0	118.3	26.8	117.7	30.8	118.3					
G109.0	130.4	29.2	129.2	33.4	130.4					
G110.0	141.7	31.5	140.1	35.5	141.7					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	152.0	33.9	152.0	37.9	152.0					
G112.0	163.5	36.7	164.7	40.6	163.5					
G113.0	176.6	39.2	177.4	43.1	176.6					
G114.0	191.4	42.1	189.9	45.8	191.4					
G115.0	204.6	44.6	203.8	48.5	204.6					
G116.0	218.6	47.3	217.7	51.2	218.6					
G117.0	233.6	50.3	232.9	53.6	233.6					
G118.0	248.0	52.9	246.8	56.0	248.0					
G119.0	263.2	55.4	260.8	58.1	263.2					
G120.0	277.6	58.1	275.0	60.4	277.6					
G121.0	291.5	60.4	288.3	62.3	291.5					
G122.0	307.5	62.8	301.9	64.1	307.5					
G123.0	321.2	64.8	313.8	65.5	321.2					
G124.0	336.0	66.7	327.0	66.9	336.0					
G125.0	352.0	68.4	340.6	68.3	352.0					
G126.0	364.7	69.8	352.5	69.7	364.7					
G127.0	378.4	71.3	364.6	71.6	378.4					
G128.0	390.5	73.1	377.2	74.3	390.5					
G129.0	400.8	75.0	388.4	78.5	400.8					
G130.0	411.9	78.5	400.9	86.0	411.9					
G131.0	421.6	84.0	411.6	96.8	421.6					
G132.0	431.8	92.8	422.2	113.8	431.8					
G133.0	443.0	109.3	433.4	138.6	443.0					
G134.0	453.2	130.9	442.6	170.6	453.2					
G135.0	464.6	162.1	451.7	212.6	464.6					
G136.0	474.4	206.0	461.3	257.0	474.4					
G137.0	483.0	250.2	469.5	305.0	483.0					
G138.0	491.7	303.6	478.2	360.6	491.7					
G139.0	498.9	352.5	486.3	406.6	498.9					
G140.0	505.8	397.9	493.9	447.1	505.8					
G141.0	513.8	439.3	502.4	484.9	513.8					
G142.0	521.0	471.5	510.3	510.0	521.0					
G143.0	529.2	495.7	518.3	530.1	529.2					
G144.0	536.7	516.4	526.2	543.5	536.7					
G145.0	543.7	530.4	532.5	553.1	543.7					
G146.0	551.5	541.8	539.2	561.3	551.5					
G147.0	558.0	550.2	544.7	568.0	558.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	564.3	557.0	550.3	574.4	564.3					
G149.0	570.1	563.5	556.4	580.7	570.1					
G150.0	575.4	569.5	561.8	586.2	575.4					
G151.0	580.9	575.2	566.6	592.2	580.9					
G152.0	585.5	580.0	572.1	597.1	585.5					
G153.0	590.6	584.5	577.0	601.7	590.6					
G154.0	596.1	589.5	582.7	606.4	596.1					
G155.0	601.2	594.0	588.2	610.7	601.2					
G156.0	606.0	598.9	592.9	614.7	606.0					
G157.0	610.3	603.8	598.2	618.7	610.3					
G158.0	614.1	608.5	603.1	622.1	614.1					
G159.0	617.8	613.8	607.3	626.3	617.8					
G160.0	621.0	618.5	611.7	629.9	621.0					
G161.0	624.2	622.6	615.4	633.5	624.2					
G162.0	627.8	627.0	619.0	636.9	627.8					
G163.0	630.8	630.7	622.2	639.1	630.8					
G164.0	634.2	634.2	625.1	640.9	634.2					
G165.0	637.2	637.3	628.4	643.3	637.2					
G166.0	640.0	639.8	631.5	645.6	640.0					
G167.0	642.7	642.0	634.0	647.6	642.7					
G168.0	644.4	644.1	636.0	648.7	644.4					
G169.0	646.0	646.1	638.3	649.7	646.0					
G170.0	648.0	647.9	641.0	651.0	648.0					
G171.0	650.0	649.4	643.2	652.2	650.0					
G172.0	651.9	650.4	645.2	653.3	651.9					
G173.0	653.0	651.6	647.7	654.6	653.0					
G174.0	653.5	652.6	649.7	655.4	653.5					
G175.0	653.9	653.7	651.4	656.1	653.9					
G176.0	654.4	654.5	652.5	656.2	654.4					
G177.0	654.7	654.9	653.3	656.2	654.7					
G178.0	654.8	655.0	653.9	656.1	654.8					
G179.0	654.9	655.2	654.4	656.2	654.9					
G180.0	654.9	655.6	654.9	655.6	654.9					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector: