

Report No.:

Test Time: 2018-08-22 17:31

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-5W-3000K-36D

Voltage: 12.1 V

Current: 0.493 A

Power: 4.60 W

Power Factor: 0.765

Photometric Results

CIE Class: Direct

Measurement Flux: 442.6 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 442.6 lm

Efficiency: 100%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,25%,50%,75%): H81.1,H64.9,H48.1,H31.7

Vertical Diffuse Angle(10%,25%,50%,75%): V81.4,V66,V49.3,V32.6

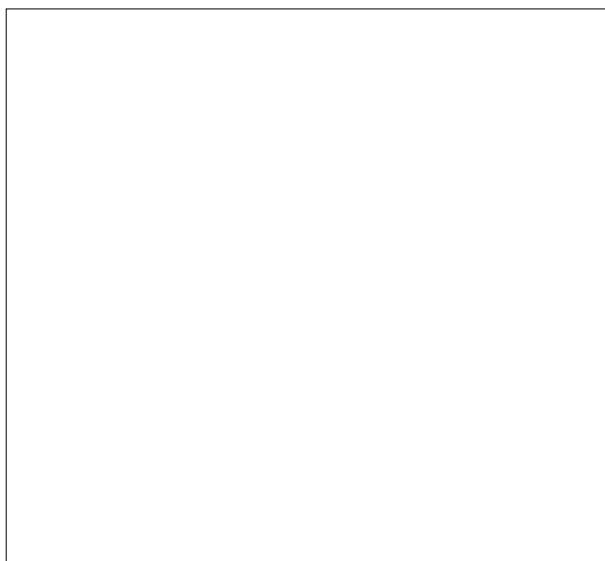
Luminaire Efficacy Rating (LER): 96

Central Intensity: 598.94 cd

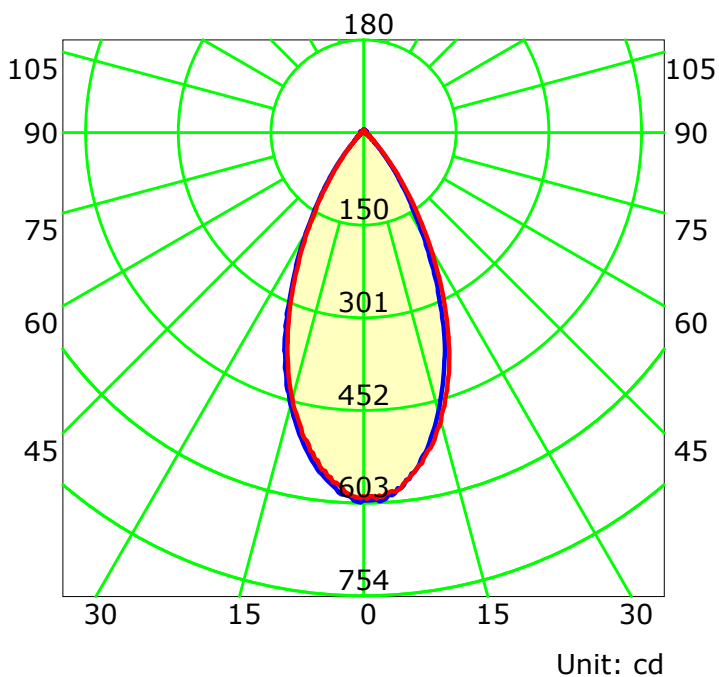
Max. Intensity: 602.48 cd

Pos of Max. Intensity: H180 V0.5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

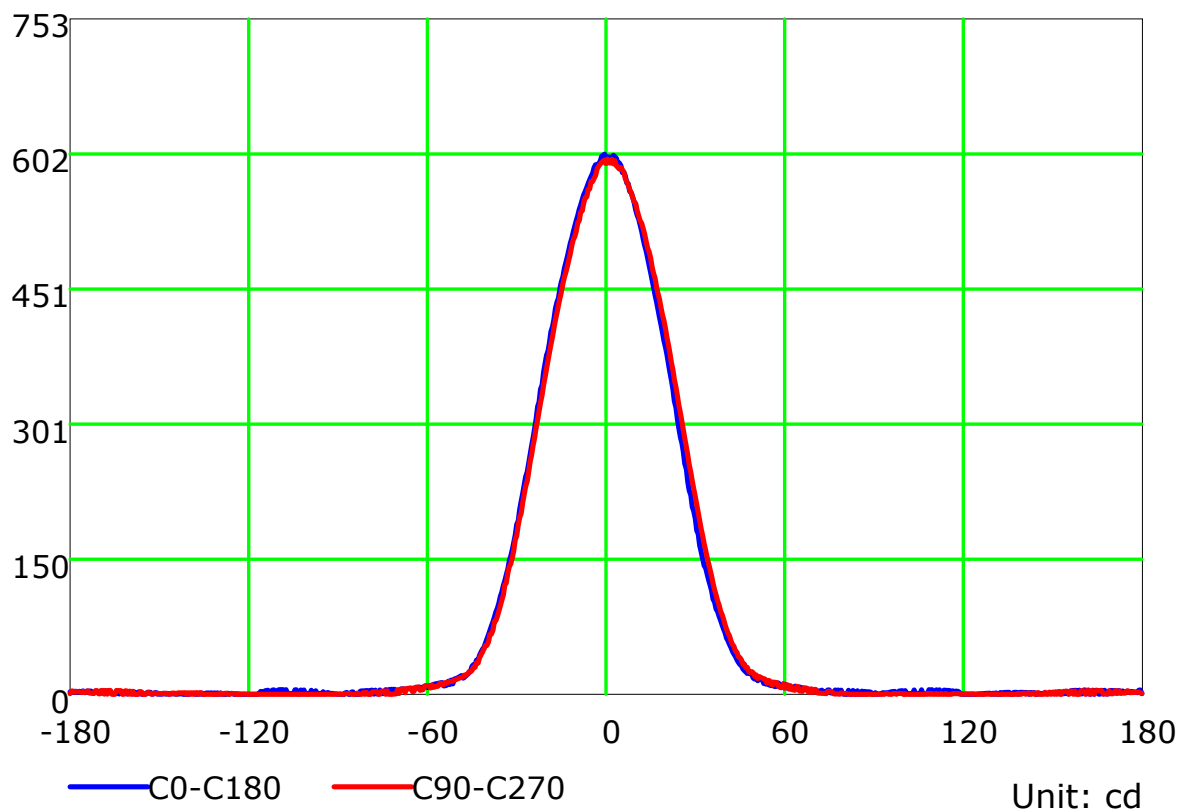
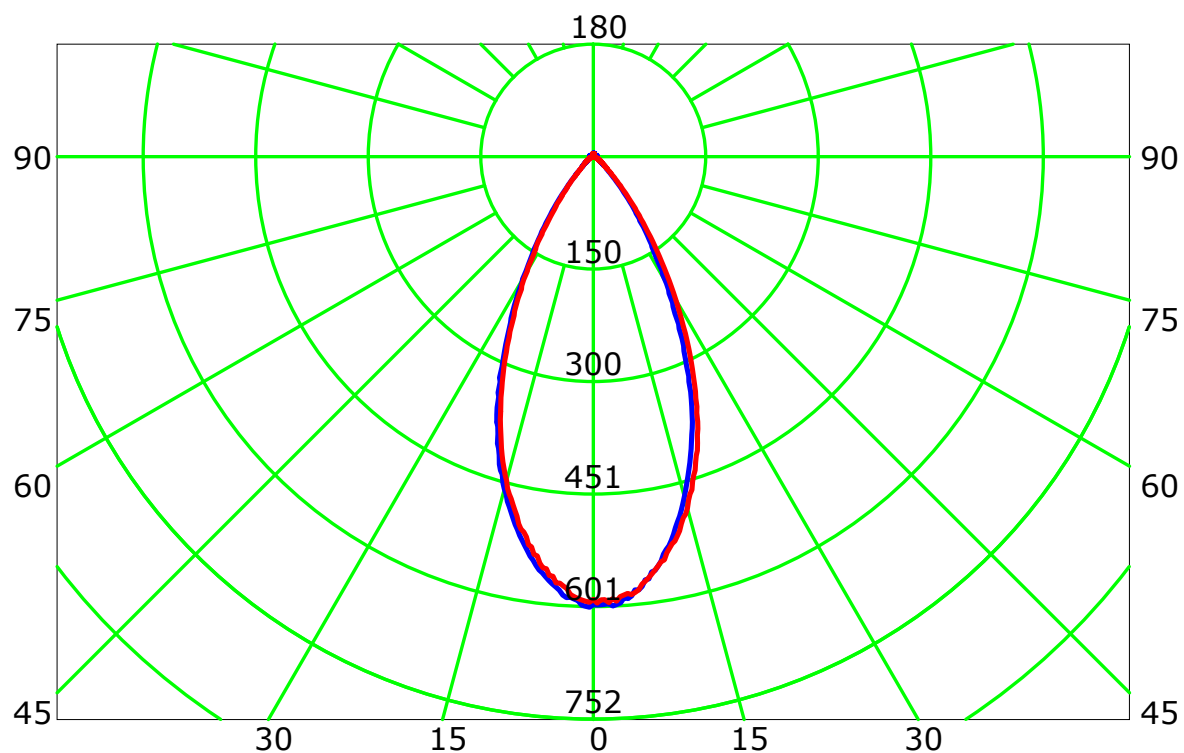
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

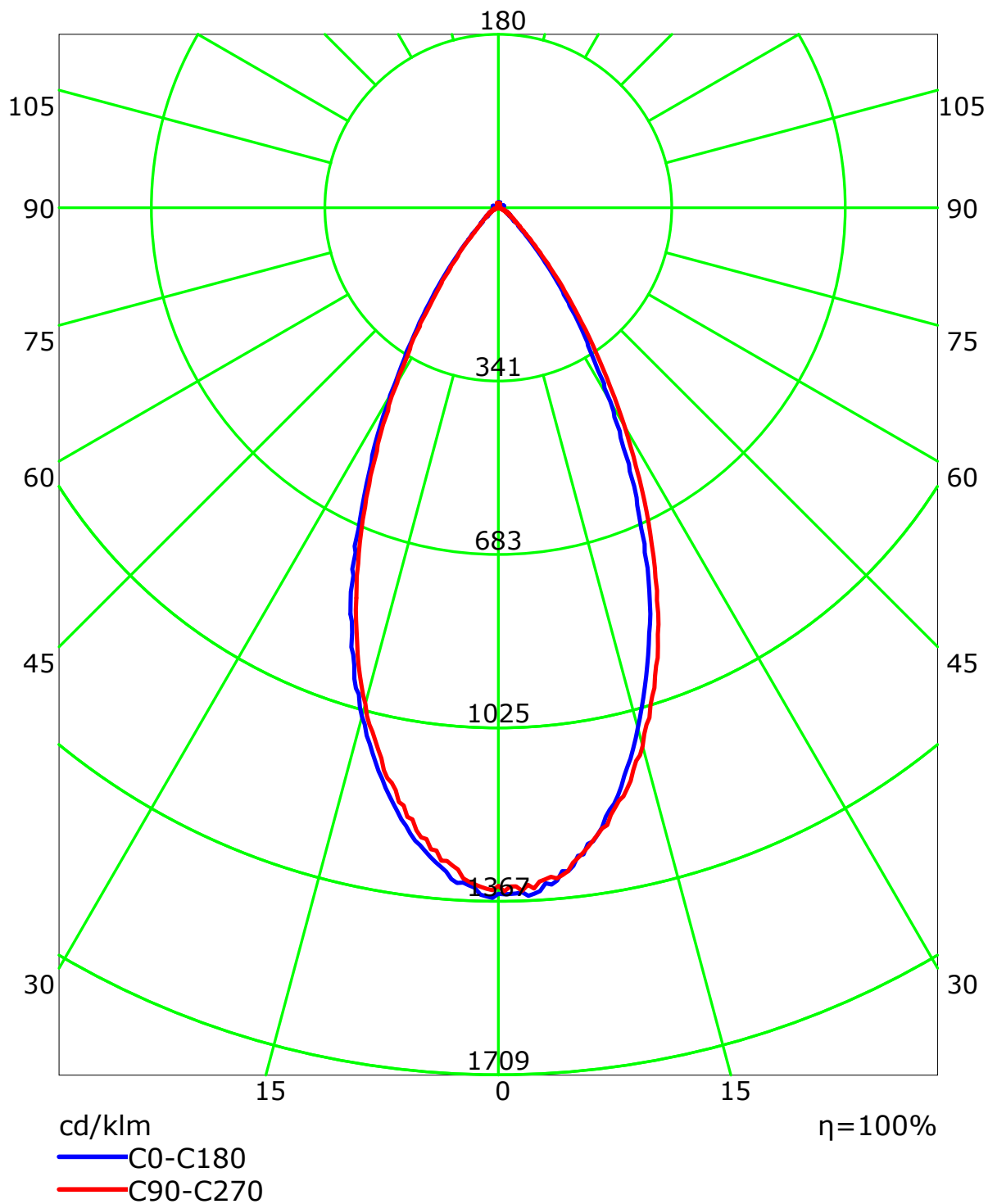
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



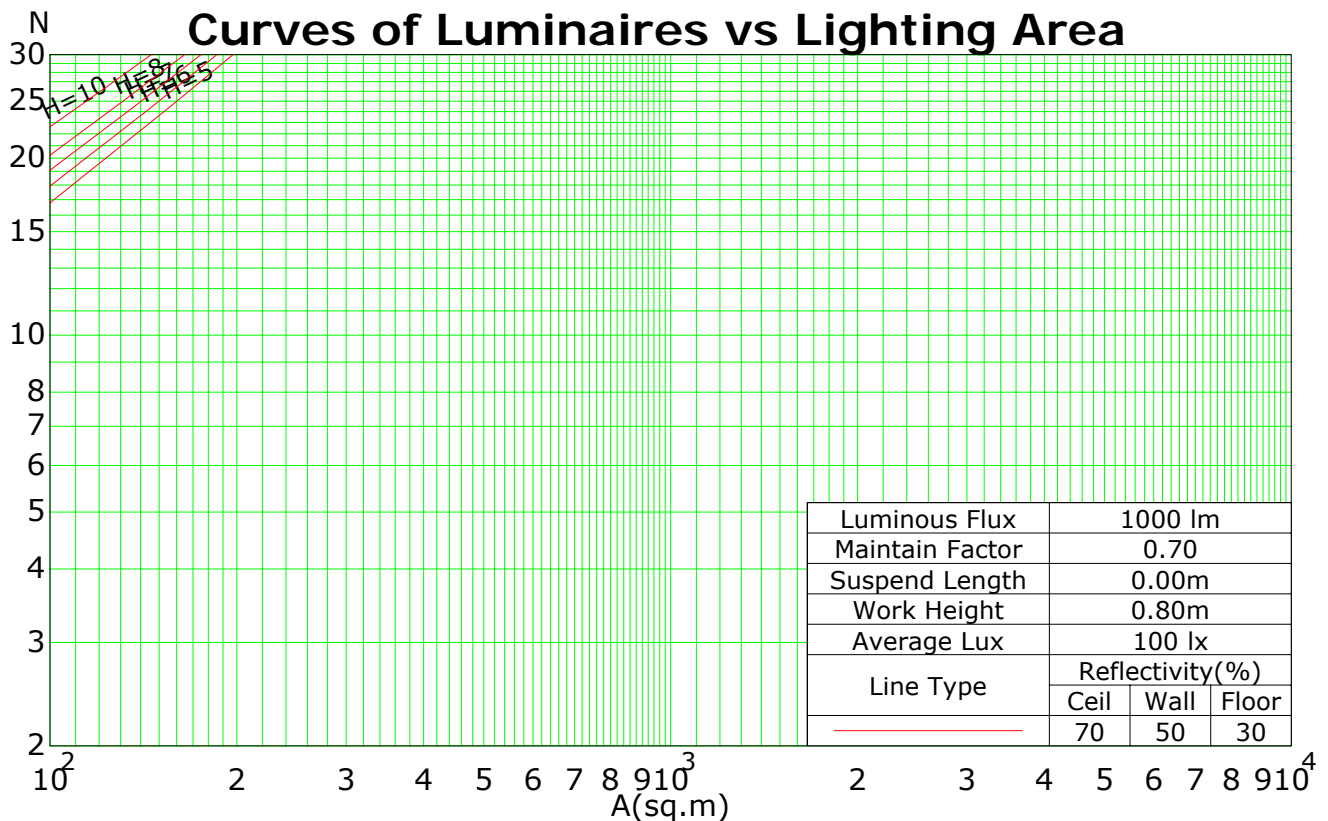
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	113	110	108	105	110	108	106	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	95	105	100	97	93	97	94	91	94	91	89	91	89	87	85
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	97	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74
5	92	83	77	73	90	82	77	73	80	75	72	78	74	71	77	73	70	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	66	73	69	66	64
7	83	74	68	63	82	73	67	63	72	66	63	70	66	62	69	65	62	60
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57
9	75	66	60	56	74	65	60	56	64	59	56	63	59	55	62	58	55	54
10	72	62	57	53	71	62	56	53	61	56	52	60	56	52	59	55	52	51

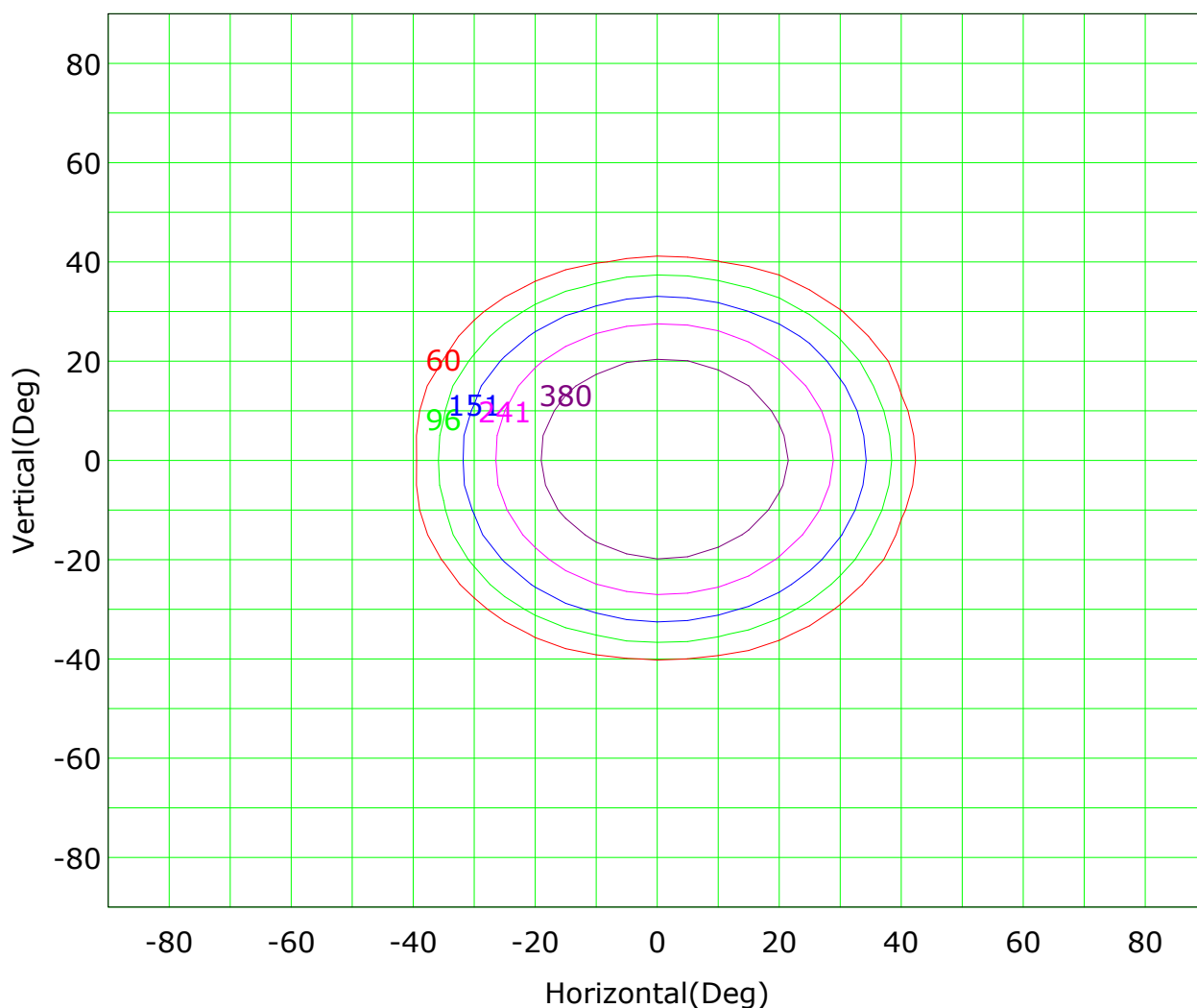
Spacing Criteria (0-180): 0.76
Spacing Criteria (90-270): 0.77
Spacing Criteria (Diagonal): 0.77



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 602 cd

(10%): 60 cd	(16%): 96 cd
(25%): 151 cd	(40%): 241 cd
(63%): 380 cd	(100%): 602 cd

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

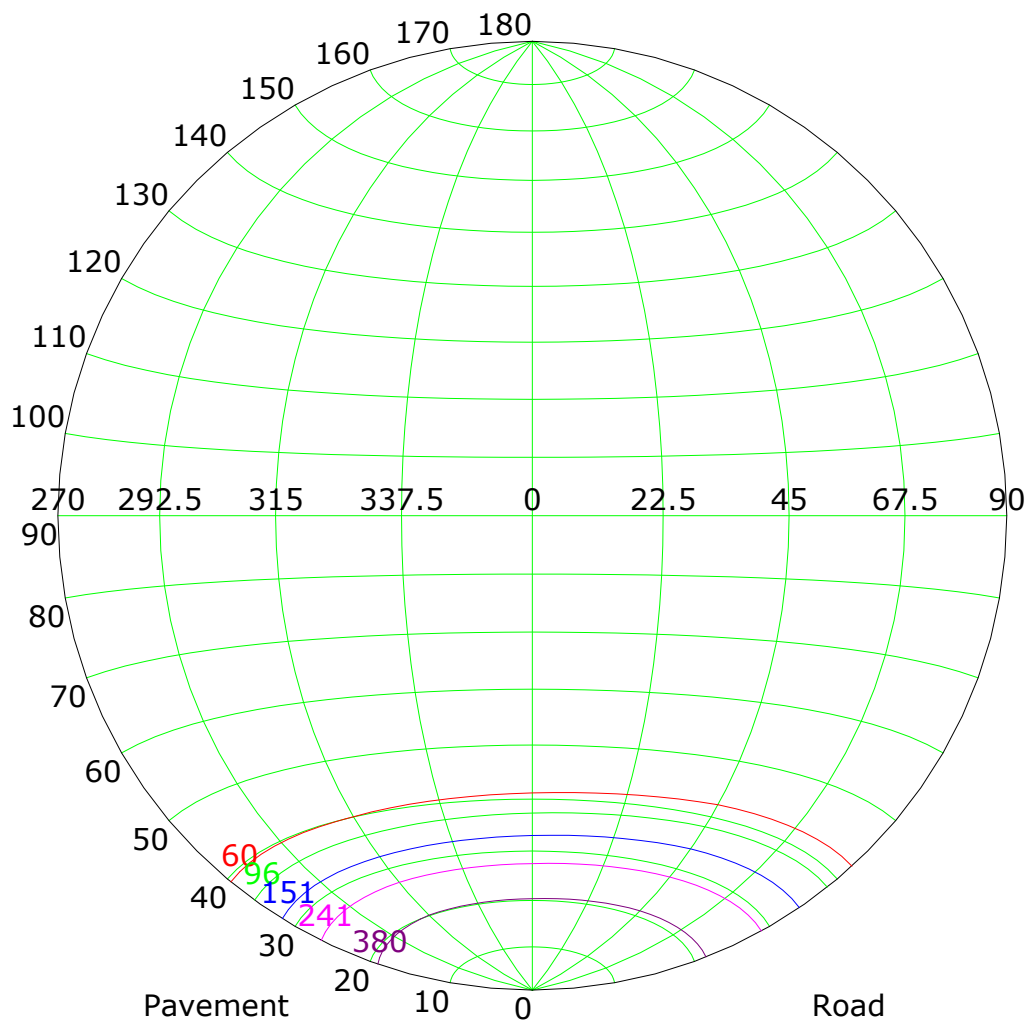
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 602 cd

(10%): 60 cd	(16%): 96 cd
(25%): 151 cd	(40%): 241 cd
(63%): 380 cd	(100%): 602 cd

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

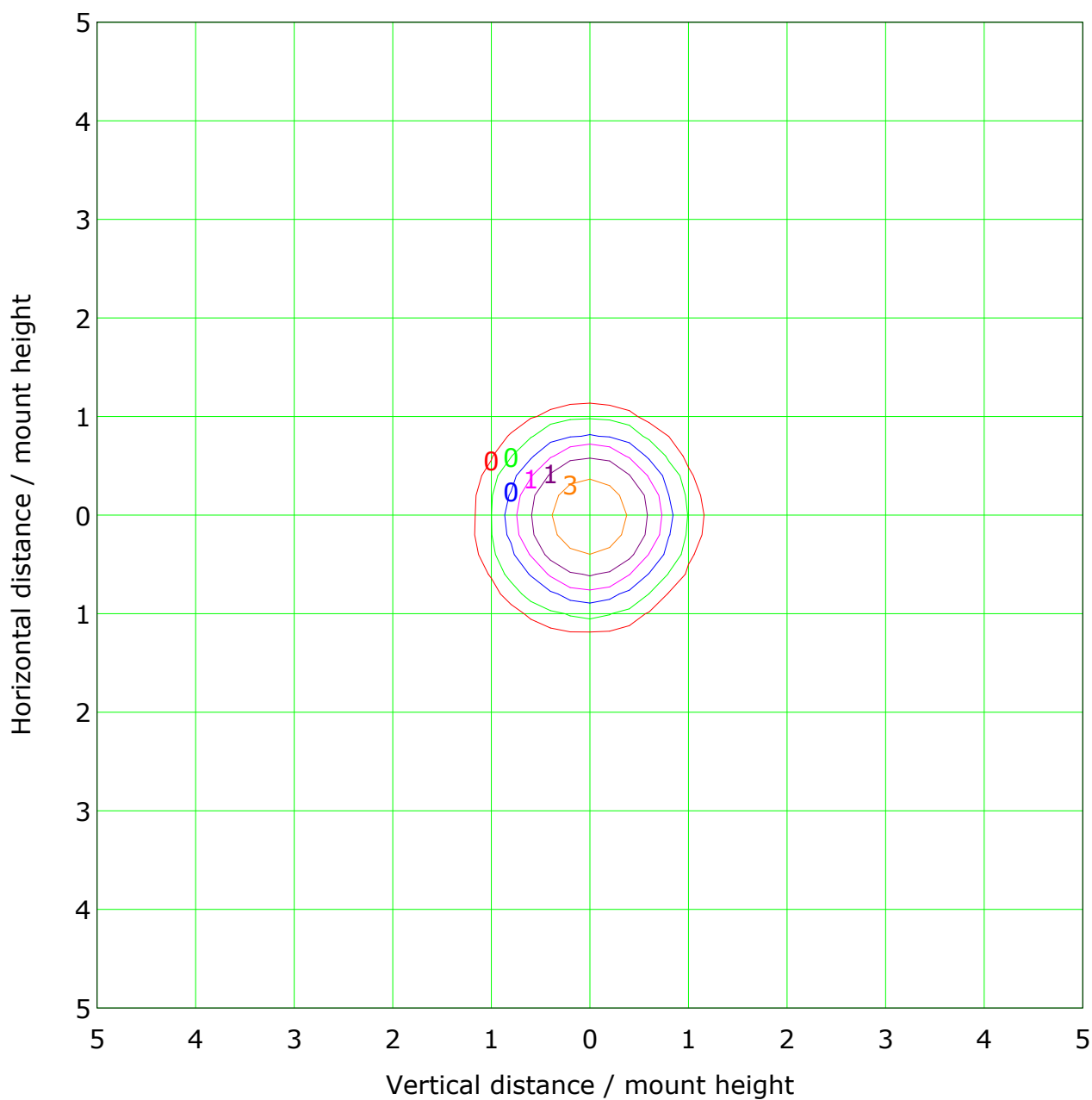
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 6.0 lx

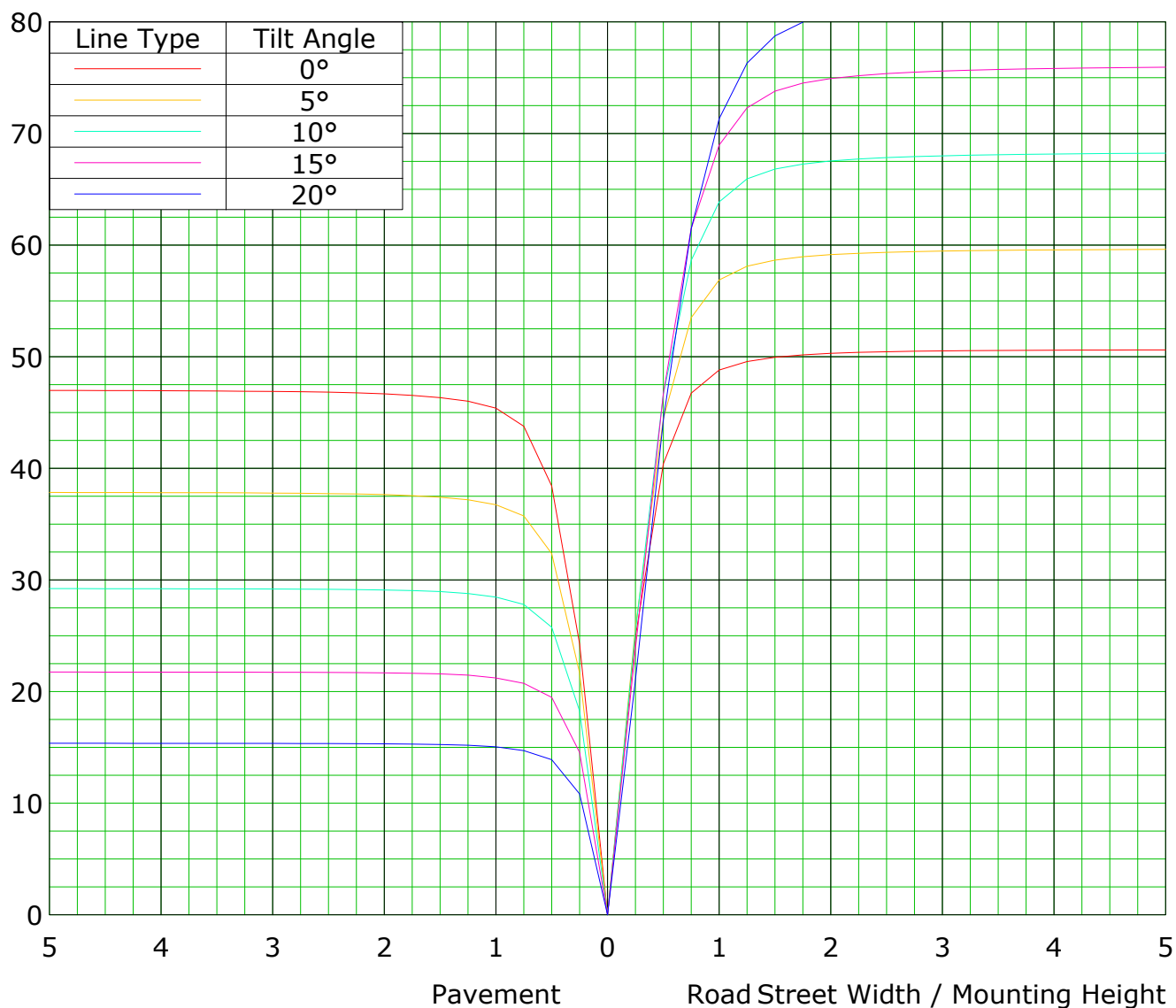
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.6 lx
(20%): 1.2 lx	(50%): 3.0 lx
(100%): 6.0 lx	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

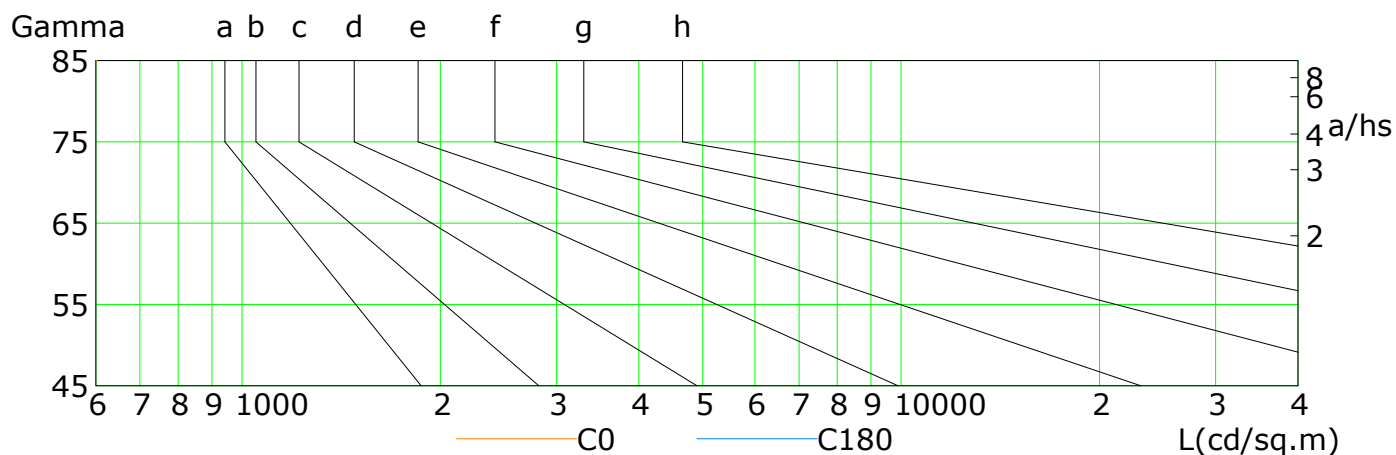
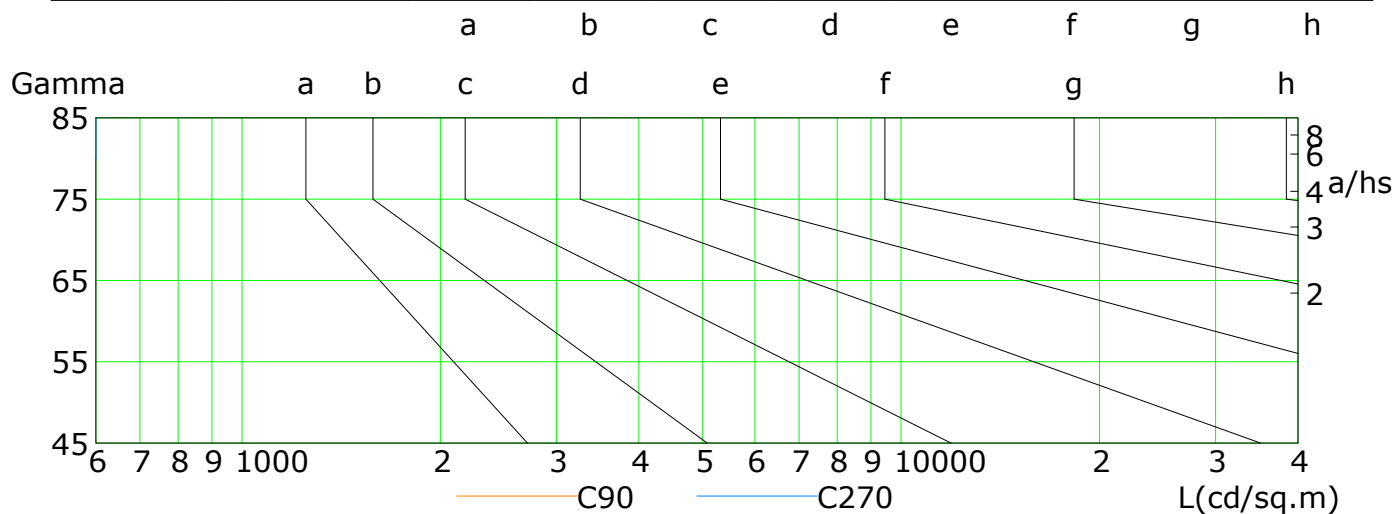
Distance: 8.177 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	33	17	10	11	8	5	5	0	0
C90	41	20	15	7	4	6	3	0	0
C180	31	18	13	8	7	3	1	4	3
C270	27	17	11	10	3	5	4	0	0

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

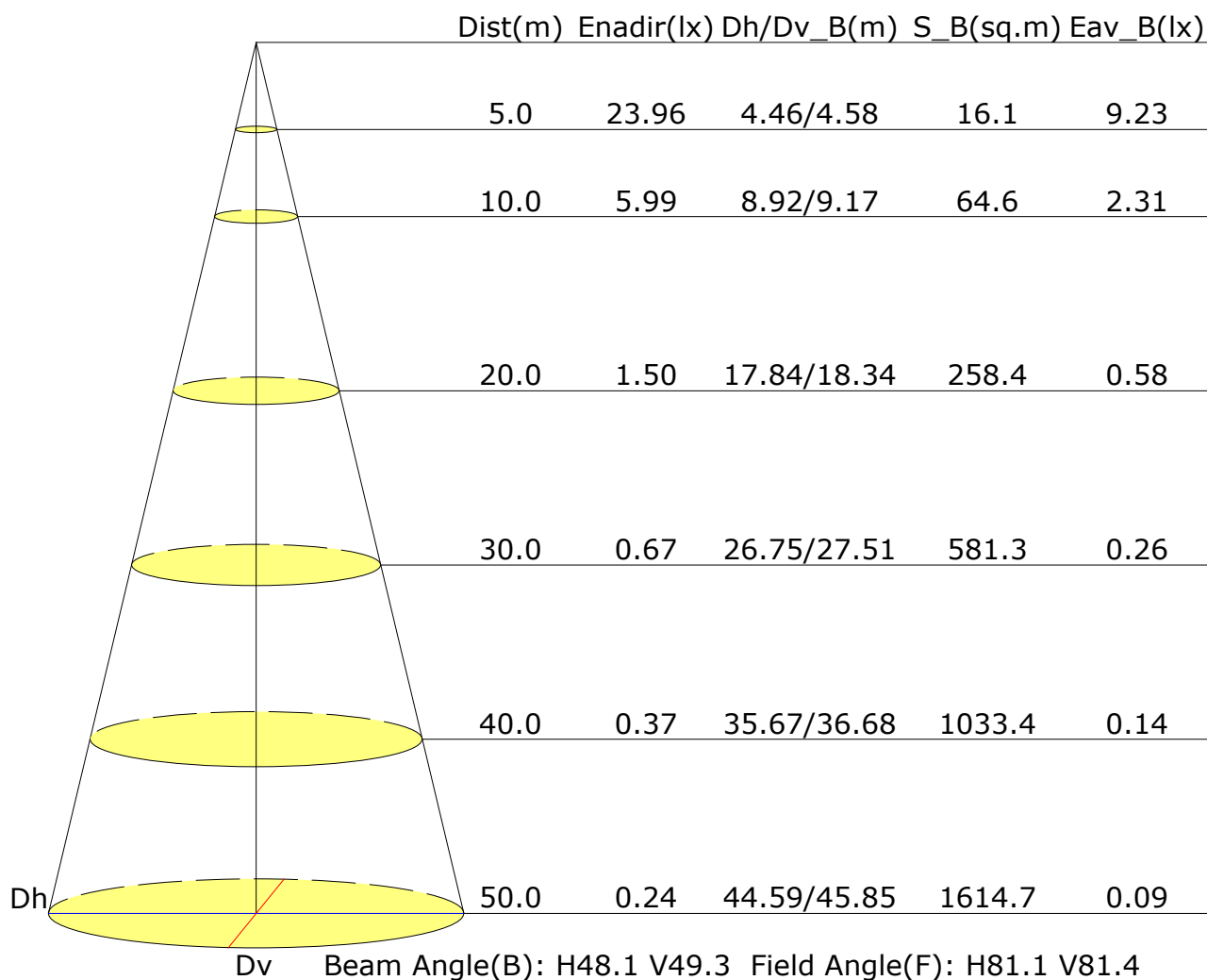
Test Device: GPM-1600

Distance: 8.177 m

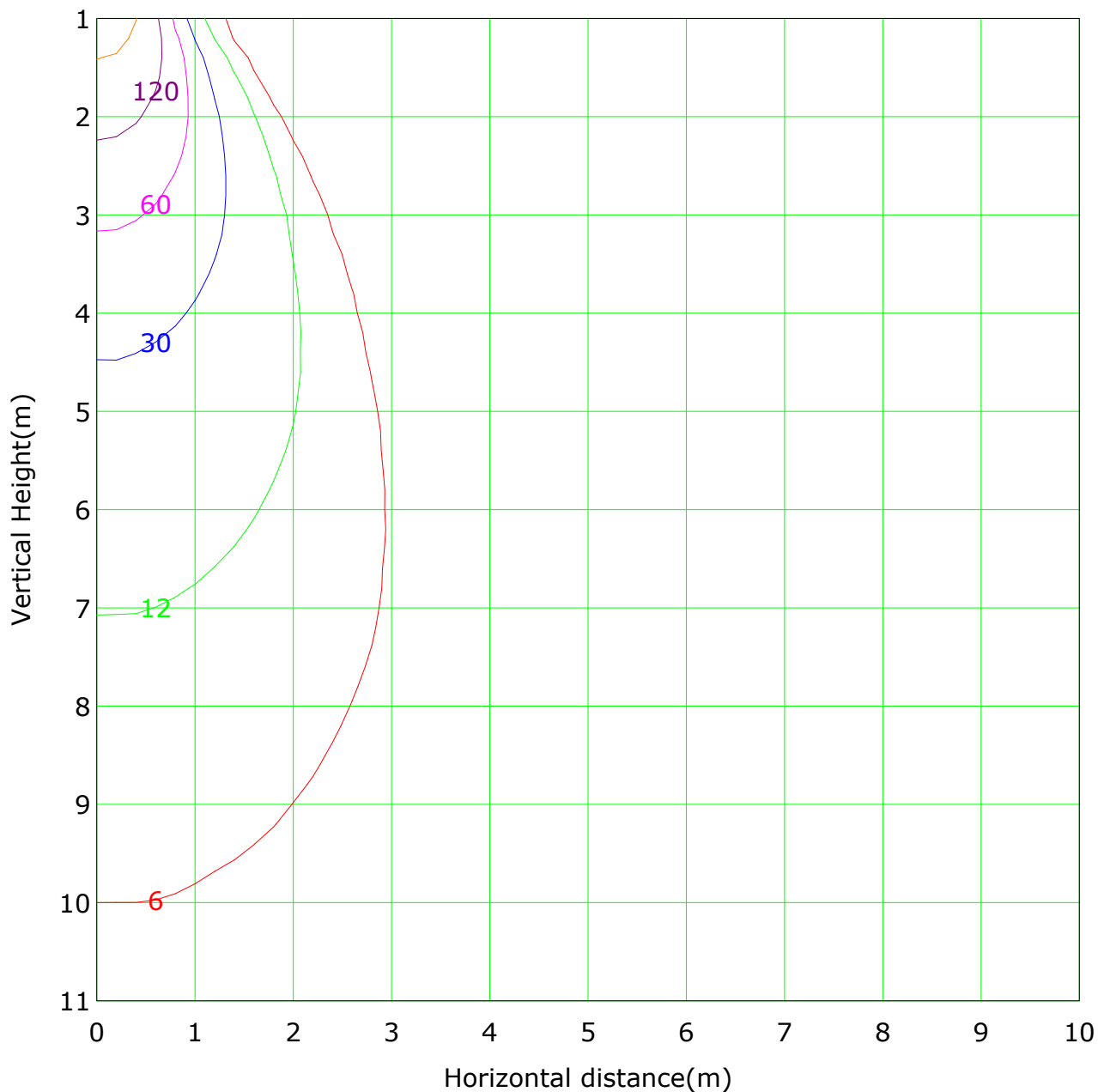
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 598.9 lx

(1%): 6.0 lx	(2%): 12.0 lx
(5%): 29.9 lx	(10%): 59.9 lx
(20%): 119.8 lx	(50%): 299.5 lx
(100%): 598.9 lx	

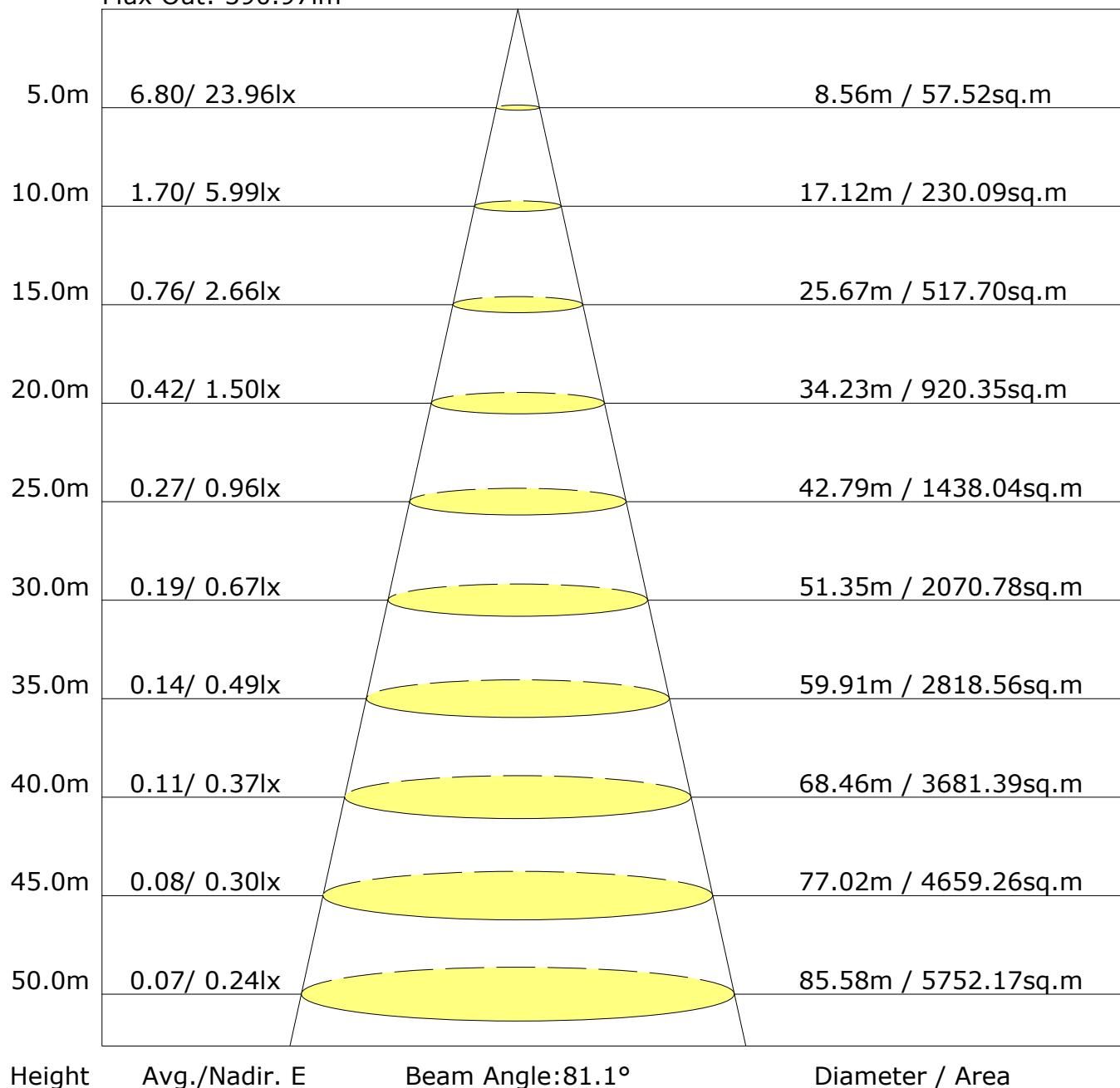
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

The Average Illuminance Effective Figure

Flux Out: 390.97lm



C Plane (°): 0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-180.0: 0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

UGR Table

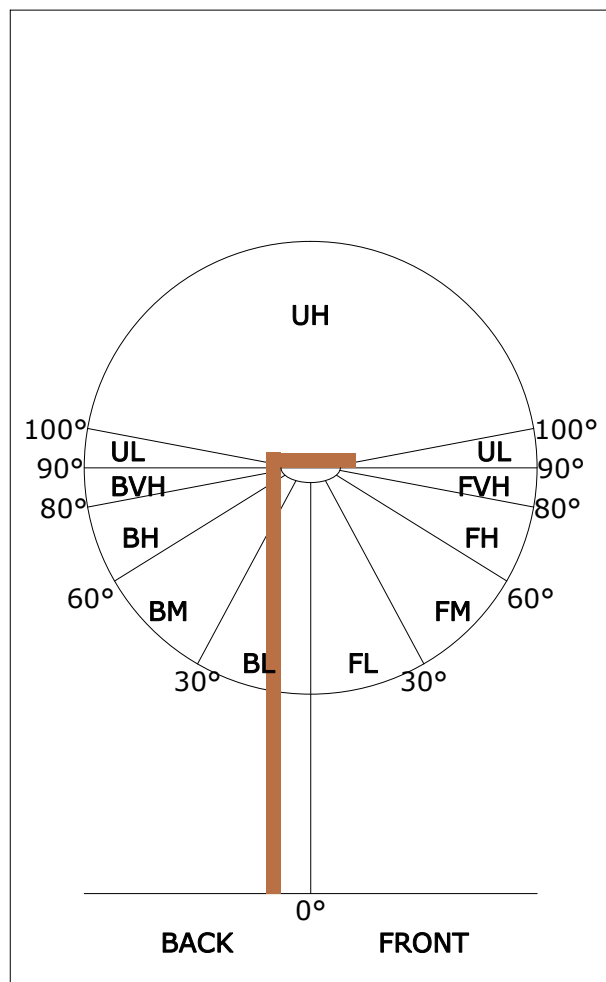
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$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

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



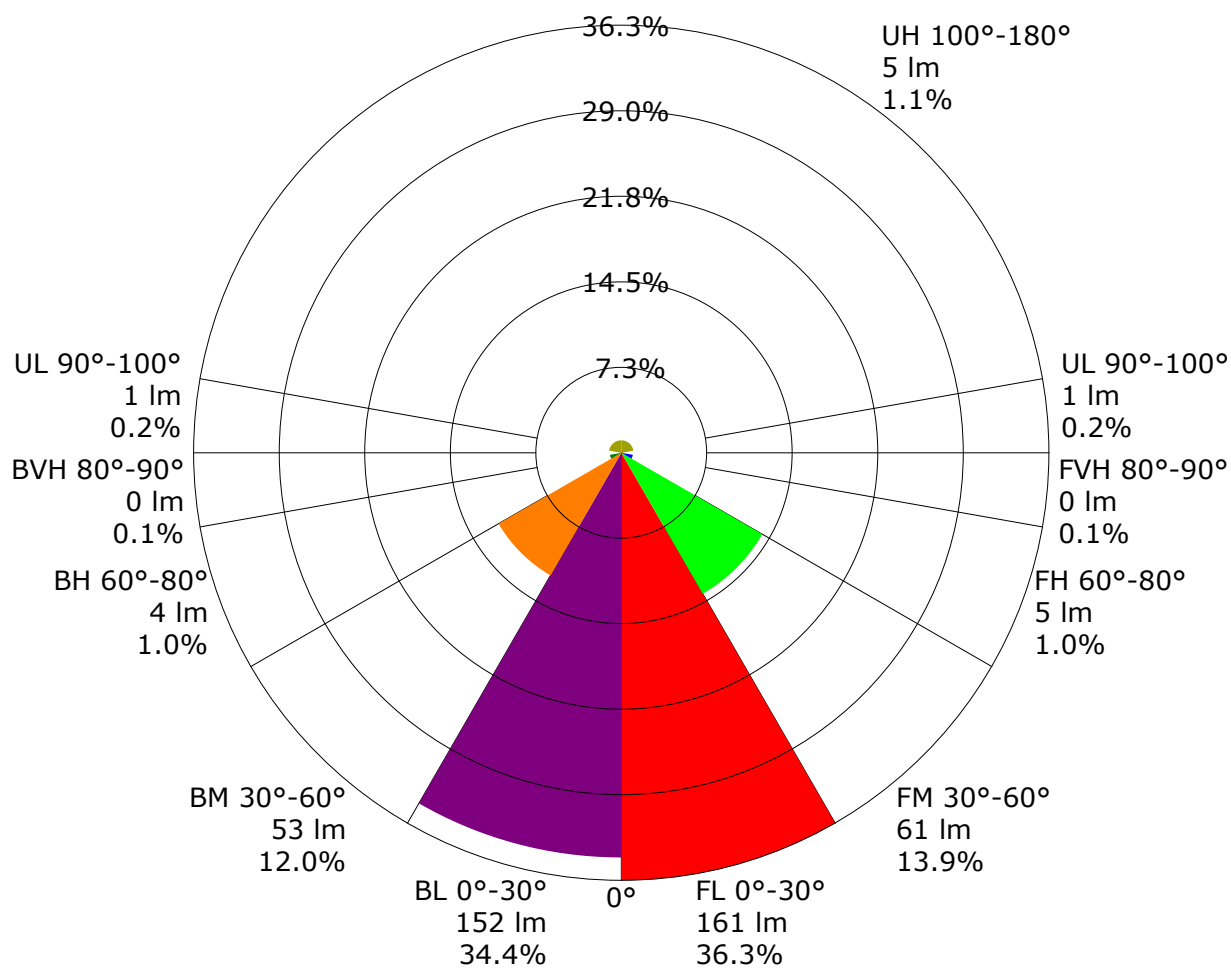
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	227	51.3
FL (0°-30°)	161	36.3
FM (30°-60°)	61	13.9
FH (60°-80°)	5	1.0
FVH (80°-90°)	0	0.1
BACK LIGHT	210	47.5
BL (0°-30°)	152	34.4
BM (30°-60°)	53	12.0
BH (60°-80°)	4	1.0
BVH (80°-90°)	0	0.1
UP LIGHT	5	1.2
UL (90°-100°)	1	0.2
UH (100°-180°)	5	1.1
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

LCS Graph



Forward Light

Back Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75									
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	0.81	0.89	0.93	0.96	1.01	1.04	1.06	1.08	1.10	
	0.30		0.77	0.84	0.89	0.92	0.97	1.00	1.03	1.06	1.08	
	0.20		0.73	0.80	0.85	0.89	0.94	0.98	1.00	1.04	1.06	
0.50	0.50	0.20	0.80	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.06	
	0.30		0.76	0.83	0.87	0.90	0.95	0.98	1.00	1.02	1.04	
	0.20		0.72	0.80	0.84	0.88	0.92	0.95	0.98	1.01	1.02	
0.30	0.50	0.20	0.79	0.85	0.89	0.92	0.95	0.97	0.99	1.00	1.02	
	0.30		0.75	0.81	0.86	0.89	0.93	0.95	0.97	0.99	1.00	
	0.20		0.72	0.79	0.83	0.86	0.91	0.93	0.95	0.98	0.99	
0.00	0.00	0.00	0.70	0.77	0.81	0.84	0.87	0.90	0.91	0.93	0.94	
<p>Rating:5W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75									
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	0.62	0.50	0.42	0.36	0.28	0.23	0.20	0.15	0.12	
	0.30		0.52	0.43	0.37	0.32	0.26	0.21	0.18	0.14	0.12	
	0.20		0.45	0.37	0.32	0.29	0.23	0.20	0.17	0.14	0.11	
0.50	0.50	0.20	0.59	0.47	0.39	0.34	0.26	0.26	0.18	0.14	0.11	
	0.30		0.50	0.41	0.35	0.30	0.24	0.20	0.17	0.13	0.11	
	0.20		0.44	0.36	0.31	0.27	0.22	0.19	0.16	0.13	0.10	
0.30	0.50	0.20	0.57	0.45	0.37	0.32	0.24	0.20	0.17	0.13	0.10	
	0.30		0.48	0.39	0.33	0.29	0.23	0.19	0.16	0.12	0.10	
	0.20		0.42	0.35	0.30	0.26	0.21	0.17	0.15	0.12	0.10	
0.00	0.00	0.00	0.29	0.23	0.19	0.16	0.12	0.10	0.08	0.06	0.05	
Rating:5W 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 = 0.75									
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	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.18	0.18	0.20	0.21	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	
0.50	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.18	
0.30	0.50	0.20	0.13	0.15	0.16	0.16	0.18	0.18	0.19	0.20	0.20	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating:5W 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 [%]
0.0-0.5	595.8	0.1	0.1	0.03	0.03
0.5-1.0	596.1	0.4	0.6	0.10	0.13
1.0-1.5	595.1	0.7	1.3	0.16	0.29
1.5-2.0	594.1	1.0	2.3	0.22	0.51
2.0-2.5	592.6	1.3	3.6	0.29	0.80
2.5-3.0	591.2	1.6	5.1	0.35	1.15
3.0-3.5	589.3	1.8	6.9	0.41	1.57
3.5-4.0	586.4	2.1	9.0	0.48	2.04
4.0-4.5	583.3	2.4	11.4	0.54	2.58
4.5-5.0	581.0	2.6	14.1	0.60	3.17
5.0-5.5	577.6	2.9	16.9	0.65	3.83
5.5-6.0	573.7	3.2	20.1	0.71	4.54
6.0-6.5	570.0	3.4	23.5	0.77	5.31
6.5-7.0	565.1	3.6	27.1	0.82	6.13
7.0-7.5	560.8	3.9	31.0	0.88	7.01
7.5-8.0	556.2	4.1	35.1	0.93	7.94
8.0-8.5	550.7	4.3	39.5	0.98	8.92
8.5-9.0	545.8	4.6	44.0	1.03	9.95
9.0-9.5	540.6	4.8	48.8	1.08	11.02
9.5-10.0	534.9	5.0	53.8	1.12	12.14
10.0-10.5	529.0	5.2	58.9	1.17	13.31
10.5-11.0	523.2	5.4	64.3	1.21	14.52
11.0-11.5	517.0	5.5	69.8	1.25	15.77
11.5-12.0	510.2	5.7	75.5	1.29	17.06
12.0-12.5	503.5	5.9	81.4	1.32	18.38
12.5-13.0	496.9	6.0	87.4	1.36	19.74
13.0-13.5	490.3	6.2	93.5	1.39	21.13
13.5-14.0	483.1	6.3	99.8	1.42	22.55
14.0-14.5	476.0	6.4	106.2	1.45	24.00
14.5-15.0	468.9	6.5	112.8	1.48	25.48
15.0-15.5	461.5	6.7	119.4	1.50	26.99
15.5-16.0	453.3	6.7	126.2	1.52	28.51
16.0-16.5	445.7	6.8	133.0	1.54	30.05
16.5-17.0	438.0	6.9	140.0	1.56	31.62
17.0-17.5	429.6	7.0	146.9	1.58	33.20
17.5-18.0	421.2	7.0	154.0	1.59	34.79

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
18.0-18.5	413.2	7.1	161.1	1.60	36.39
18.5-19.0	404.4	7.1	168.2	1.61	38.00
19.0-19.5	395.2	7.1	175.3	1.61	39.61
19.5-20.0	387.0	7.2	182.5	1.62	41.23
20.0-20.5	378.4	7.2	189.7	1.62	42.86
20.5-21.0	369.7	7.2	196.9	1.62	44.48
21.0-21.5	359.6	7.1	204.0	1.61	46.09
21.5-22.0	349.9	7.1	211.1	1.61	47.70
22.0-22.5	340.5	7.1	218.2	1.60	49.30
22.5-23.0	330.7	7.0	225.2	1.58	50.88
23.0-23.5	320.9	6.9	232.2	1.57	52.45
23.5-24.0	310.9	6.9	239.0	1.55	54.00
24.0-24.5	301.0	6.8	245.8	1.53	55.53
24.5-25.0	291.2	6.7	252.5	1.51	57.04
25.0-25.5	282.0	6.6	259.1	1.49	58.53
25.5-26.0	272.3	6.5	265.6	1.47	60.00
26.0-26.5	262.4	6.4	271.9	1.44	61.44
26.5-27.0	253.1	6.2	278.2	1.41	62.85
27.0-27.5	243.9	6.1	284.3	1.38	64.23
27.5-28.0	234.3	6.0	290.3	1.35	65.58
28.0-28.5	224.9	5.8	296.1	1.32	66.90
28.5-29.0	216.0	5.7	301.8	1.29	68.19
29.0-29.5	207.4	5.6	307.4	1.26	69.44
29.5-30.0	198.9	5.4	312.8	1.22	70.66
30.0-30.5	190.2	5.3	318.0	1.19	71.85
30.5-31.0	181.8	5.1	323.1	1.15	73.00
31.0-31.5	173.3	4.9	328.1	1.11	74.12
31.5-32.0	164.7	4.8	332.8	1.07	75.19
32.0-32.5	157.7	4.6	337.4	1.04	76.23
32.5-33.0	150.9	4.5	341.9	1.01	77.24
33.0-33.5	143.3	4.3	346.2	0.97	78.22
33.5-34.0	136.4	4.2	350.4	0.94	79.16
34.0-34.5	130.0	4.0	354.4	0.91	80.06
34.5-35.0	123.3	3.9	358.2	0.87	80.93
35.0-35.5	116.5	3.7	361.9	0.83	81.77
35.5-36.0	109.8	3.5	365.4	0.79	82.56

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-36.5	103.7	3.4	368.8	0.76	83.32
36.5-37.0	97.9	3.2	372.0	0.73	84.04
37.0-37.5	92.6	3.1	375.1	0.69	84.74
37.5-38.0	88.0	3.0	378.0	0.67	85.41
38.0-38.5	82.5	2.8	380.8	0.63	86.04
38.5-39.0	78.0	2.7	383.5	0.60	86.64
39.0-39.5	73.6	2.6	386.1	0.58	87.22
39.5-40.0	68.4	2.4	388.5	0.54	87.76
40.0-40.5	63.5	2.2	390.7	0.51	88.27
40.5-41.0	59.4	2.1	392.9	0.48	88.75
41.0-41.5	55.8	2.0	394.9	0.46	89.21
41.5-42.0	51.9	1.9	396.8	0.43	89.63
42.0-42.5	48.4	1.8	398.5	0.40	90.04
42.5-43.0	45.2	1.7	400.2	0.38	90.42
43.0-43.5	42.3	1.6	401.8	0.36	90.78
43.5-44.0	39.4	1.5	403.3	0.34	91.11
44.0-44.5	36.5	1.4	404.7	0.32	91.43
44.5-45.0	34.2	1.3	406.0	0.30	91.73
45.0-45.5	32.0	1.2	407.3	0.28	92.01
45.5-46.0	29.7	1.2	408.4	0.26	92.27
46.0-46.5	27.4	1.1	409.5	0.24	92.52
46.5-47.0	25.8	1.0	410.6	0.23	92.75
47.0-47.5	24.8	1.0	411.6	0.23	92.98
47.5-48.0	23.4	1.0	412.5	0.22	93.19
48.0-48.5	22.6	0.9	413.4	0.21	93.40
48.5-49.0	21.9	0.9	414.3	0.20	93.60
49.0-49.5	20.6	0.9	415.2	0.19	93.80
49.5-50.0	19.0	0.8	416.0	0.18	93.98
50.0-50.5	18.3	0.8	416.8	0.17	94.15
50.5-51.0	17.4	0.7	417.5	0.17	94.32
51.0-51.5	16.6	0.7	418.2	0.16	94.48
51.5-52.0	16.6	0.7	418.9	0.16	94.64
52.0-52.5	15.6	0.7	419.6	0.15	94.79
52.5-53.0	14.9	0.7	420.2	0.15	94.94
53.0-53.5	14.0	0.6	420.9	0.14	95.08
53.5-54.0	12.7	0.6	421.4	0.13	95.21

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
54.0-54.5	12.3	0.5	422.0	0.12	95.33
54.5-55.0	12.2	0.5	422.5	0.12	95.45
55.0-55.5	11.7	0.5	423.0	0.12	95.57
55.5-56.0	11.5	0.5	423.6	0.12	95.69
56.0-56.5	11.5	0.5	424.1	0.12	95.81
56.5-57.0	11.2	0.5	424.6	0.12	95.92
57.0-57.5	11.1	0.5	425.1	0.12	96.04
57.5-58.0	10.8	0.5	425.6	0.11	96.15
58.0-58.5	10.0	0.5	426.1	0.11	96.26
58.5-59.0	9.0	0.4	426.5	0.10	96.36
59.0-59.5	9.2	0.4	426.9	0.10	96.45
59.5-60.0	9.6	0.5	427.4	0.10	96.56
60.0-60.5	9.7	0.5	427.9	0.10	96.66
60.5-61.0	9.0	0.4	428.3	0.10	96.76
61.0-61.5	8.0	0.4	428.7	0.09	96.84
61.5-62.0	8.0	0.4	429.1	0.09	96.93
62.0-62.5	7.8	0.4	429.4	0.09	97.02
62.5-63.0	7.4	0.4	429.8	0.08	97.10
63.0-63.5	6.8	0.3	430.1	0.08	97.17
63.5-64.0	6.7	0.3	430.5	0.07	97.25
64.0-64.5	6.7	0.3	430.8	0.08	97.32
64.5-65.0	6.0	0.3	431.1	0.07	97.39
65.0-65.5	5.8	0.3	431.4	0.07	97.46
65.5-66.0	5.8	0.3	431.7	0.06	97.52
66.0-66.5	5.5	0.3	431.9	0.06	97.58
66.5-67.0	5.8	0.3	432.2	0.07	97.65
67.0-67.5	5.5	0.3	432.5	0.06	97.71
67.5-68.0	5.3	0.3	432.8	0.06	97.77
68.0-68.5	5.3	0.3	433.1	0.06	97.83
68.5-69.0	5.0	0.3	433.3	0.06	97.89
69.0-69.5	4.3	0.2	433.5	0.05	97.94
69.5-70.0	4.0	0.2	433.7	0.05	97.99
70.0-70.5	4.0	0.2	433.9	0.05	98.03
70.5-71.0	3.7	0.2	434.1	0.04	98.08
71.0-71.5	3.1	0.2	434.3	0.04	98.11
71.5-72.0	2.5	0.1	434.4	0.03	98.14

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-72.5	2.6	0.1	434.6	0.03	98.17
72.5-73.0	2.8	0.1	434.7	0.03	98.21
73.0-73.5	2.7	0.1	434.8	0.03	98.24
73.5-74.0	2.5	0.1	435.0	0.03	98.27
74.0-74.5	2.7	0.1	435.1	0.03	98.30
74.5-75.0	2.8	0.1	435.3	0.03	98.33
75.0-75.5	2.7	0.1	435.4	0.03	98.37
75.5-76.0	2.2	0.1	435.5	0.03	98.39
76.0-76.5	1.9	0.1	435.6	0.02	98.42
76.5-77.0	1.9	0.1	435.7	0.02	98.44
77.0-77.5	2.1	0.1	435.9	0.03	98.47
77.5-78.0	2.1	0.1	436.0	0.03	98.49
78.0-78.5	2.0	0.1	436.1	0.02	98.51
78.5-79.0	2.3	0.1	436.2	0.03	98.54
79.0-79.5	1.8	0.1	436.3	0.02	98.56
79.5-80.0	0.9	0.1	436.3	0.01	98.58
80.0-80.5	0.9	0.0	436.4	0.01	98.59
80.5-81.0	1.0	0.1	436.4	0.01	98.60
81.0-81.5	1.6	0.1	436.5	0.02	98.62
81.5-82.0	1.3	0.1	436.6	0.02	98.63
82.0-82.5	0.6	0.0	436.6	0.01	98.64
82.5-83.0	0.7	0.0	436.7	0.01	98.65
83.0-83.5	0.8	0.0	436.7	0.01	98.66
83.5-84.0	0.7	0.0	436.8	0.01	98.67
84.0-84.5	1.0	0.1	436.8	0.01	98.68
84.5-85.0	0.8	0.0	436.9	0.01	98.69
85.0-85.5	0.6	0.0	436.9	0.01	98.70
85.5-86.0	0.8	0.0	436.9	0.01	98.71
86.0-86.5	0.6	0.0	437.0	0.01	98.72
86.5-87.0	0.7	0.0	437.0	0.01	98.72
87.0-87.5	1.0	0.1	437.1	0.01	98.74
87.5-88.0	0.7	0.0	437.1	0.01	98.74
88.0-88.5	0.5	0.0	437.1	0.01	98.75
88.5-89.0	0.5	0.0	437.1	0.01	98.76
89.0-89.5	0.5	0.0	437.2	0.01	98.76
89.5-90.0	0.3	0.0	437.2	0.00	98.77

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 5)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
90.0-90.5	0.4	0.0	437.2	0.00	98.77
90.5-91.0	0.6	0.0	437.2	0.01	98.78
91.0-91.5	0.3	0.0	437.3	0.00	98.78
91.5-92.0	0.3	0.0	437.3	0.00	98.79
92.0-92.5	0.6	0.0	437.3	0.01	98.79
92.5-93.0	0.8	0.0	437.4	0.01	98.80
93.0-93.5	0.9	0.0	437.4	0.01	98.82
93.5-94.0	0.8	0.0	437.4	0.01	98.83
94.0-94.5	0.8	0.0	437.5	0.01	98.83
94.5-95.0	0.7	0.0	437.5	0.01	98.84
95.0-95.5	0.7	0.0	437.6	0.01	98.85
95.5-96.0	0.6	0.0	437.6	0.01	98.86
96.0-96.5	0.7	0.0	437.6	0.01	98.87
96.5-97.0	0.9	0.0	437.7	0.01	98.88
97.0-97.5	0.9	0.0	437.7	0.01	98.89
97.5-98.0	0.7	0.0	437.8	0.01	98.90
98.0-98.5	0.7	0.0	437.8	0.01	98.91
98.5-99.0	1.1	0.1	437.9	0.01	98.92
99.0-99.5	1.0	0.1	437.9	0.01	98.93
99.5-100.0	0.5	0.0	438.0	0.01	98.94
100.0-100.5	0.5	0.0	438.0	0.01	98.95
100.5-101.0	0.5	0.0	438.0	0.01	98.95
101.0-101.5	0.5	0.0	438.0	0.01	98.96
101.5-102.0	0.6	0.0	438.1	0.01	98.97
102.0-102.5	0.5	0.0	438.1	0.01	98.97
102.5-103.0	0.5	0.0	438.1	0.01	98.98
103.0-103.5	0.5	0.0	438.1	0.01	98.98
103.5-104.0	0.8	0.0	438.2	0.01	98.99
104.0-104.5	0.8	0.0	438.2	0.01	99.00
104.5-105.0	0.6	0.0	438.3	0.01	99.01
105.0-105.5	0.2	0.0	438.3	0.00	99.01
105.5-106.0	0.5	0.0	438.3	0.01	99.02
106.0-106.5	0.6	0.0	438.3	0.01	99.03
106.5-107.0	0.4	0.0	438.4	0.00	99.03
107.0-107.5	0.7	0.0	438.4	0.01	99.04
107.5-108.0	0.7	0.0	438.4	0.01	99.05

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 6)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-108.5	1.0	0.1	438.5	0.01	99.06
108.5-109.0	1.2	0.1	438.5	0.01	99.07
109.0-109.5	1.2	0.1	438.6	0.01	99.09
109.5-110.0	1.3	0.1	438.7	0.02	99.10
110.0-110.5	0.7	0.0	438.7	0.01	99.11
110.5-111.0	0.7	0.0	438.7	0.01	99.12
111.0-111.5	1.0	0.1	438.8	0.01	99.13
111.5-112.0	1.2	0.1	438.9	0.01	99.14
112.0-112.5	1.1	0.1	438.9	0.01	99.16
112.5-113.0	0.7	0.0	438.9	0.01	99.16
113.0-113.5	1.0	0.1	439.0	0.01	99.18
113.5-114.0	1.4	0.1	439.1	0.02	99.19
114.0-114.5	1.3	0.1	439.1	0.01	99.21
114.5-115.0	1.2	0.1	439.2	0.01	99.22
115.0-115.5	1.2	0.1	439.3	0.01	99.23
115.5-116.0	0.9	0.0	439.3	0.01	99.24
116.0-116.5	0.8	0.0	439.3	0.01	99.25
116.5-117.0	0.7	0.0	439.4	0.01	99.26
117.0-117.5	0.6	0.0	439.4	0.01	99.27
117.5-118.0	0.7	0.0	439.4	0.01	99.28
118.0-118.5	0.7	0.0	439.5	0.01	99.28
118.5-119.0	0.7	0.0	439.5	0.01	99.29
119.0-119.5	0.4	0.0	439.5	0.00	99.30
119.5-120.0	0.1	0.0	439.5	0.00	99.30
120.0-120.5	0.1	0.0	439.5	0.00	99.30
120.5-121.0	0.3	0.0	439.5	0.00	99.30
121.0-121.5	0.2	0.0	439.6	0.00	99.30
121.5-122.0	0.3	0.0	439.6	0.00	99.31
122.0-122.5	0.3	0.0	439.6	0.00	99.31
122.5-123.0	0.1	0.0	439.6	0.00	99.31
123.0-123.5	0.2	0.0	439.6	0.00	99.31
123.5-124.0	0.3	0.0	439.6	0.00	99.32
124.0-124.5	0.2	0.0	439.6	0.00	99.32
124.5-125.0	0.2	0.0	439.6	0.00	99.32
125.0-125.5	0.6	0.0	439.7	0.01	99.33
125.5-126.0	0.7	0.0	439.7	0.01	99.33

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 7)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
126.0-126.5	0.5	0.0	439.7	0.01	99.34
126.5-127.0	0.6	0.0	439.7	0.01	99.34
127.0-127.5	0.6	0.0	439.8	0.01	99.35
127.5-128.0	0.5	0.0	439.8	0.00	99.36
128.0-128.5	0.5	0.0	439.8	0.00	99.36
128.5-129.0	0.5	0.0	439.8	0.00	99.36
129.0-129.5	0.6	0.0	439.9	0.01	99.37
129.5-130.0	0.6	0.0	439.9	0.01	99.38
130.0-130.5	0.5	0.0	439.9	0.00	99.38
130.5-131.0	0.5	0.0	439.9	0.00	99.39
131.0-131.5	0.4	0.0	439.9	0.00	99.39
131.5-132.0	0.3	0.0	440.0	0.00	99.39
132.0-132.5	0.4	0.0	440.0	0.00	99.40
132.5-133.0	0.6	0.0	440.0	0.01	99.40
133.0-133.5	0.4	0.0	440.0	0.00	99.41
133.5-134.0	0.5	0.0	440.0	0.00	99.41
134.0-134.5	0.6	0.0	440.1	0.00	99.42
134.5-135.0	0.5	0.0	440.1	0.00	99.42
135.0-135.5	0.5	0.0	440.1	0.00	99.42
135.5-136.0	0.5	0.0	440.1	0.00	99.43
136.0-136.5	0.6	0.0	440.1	0.00	99.43
136.5-137.0	0.7	0.0	440.2	0.01	99.44
137.0-137.5	0.7	0.0	440.2	0.01	99.44
137.5-138.0	0.7	0.0	440.2	0.01	99.45
138.0-138.5	0.7	0.0	440.2	0.01	99.46
138.5-139.0	0.9	0.0	440.3	0.01	99.46
139.0-139.5	0.9	0.0	440.3	0.01	99.47
139.5-140.0	0.8	0.0	440.3	0.01	99.48
140.0-140.5	0.9	0.0	440.4	0.01	99.48
140.5-141.0	1.0	0.0	440.4	0.01	99.49
141.0-141.5	1.0	0.0	440.4	0.01	99.50
141.5-142.0	0.9	0.0	440.5	0.01	99.51
142.0-142.5	0.8	0.0	440.5	0.01	99.51
142.5-143.0	1.1	0.0	440.5	0.01	99.52
143.0-143.5	1.3	0.0	440.6	0.01	99.53
143.5-144.0	1.1	0.0	440.6	0.01	99.54

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 8)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-144.5	0.8	0.0	440.6	0.01	99.54
144.5-145.0	1.0	0.0	440.7	0.01	99.55
145.0-145.5	1.0	0.0	440.7	0.01	99.56
145.5-146.0	0.8	0.0	440.7	0.01	99.56
146.0-146.5	0.7	0.0	440.7	0.00	99.57
146.5-147.0	0.8	0.0	440.8	0.01	99.57
147.0-147.5	1.2	0.0	440.8	0.01	99.58
147.5-148.0	1.3	0.0	440.8	0.01	99.59
148.0-148.5	0.8	0.0	440.9	0.01	99.60
148.5-149.0	1.1	0.0	440.9	0.01	99.60
149.0-149.5	1.2	0.0	440.9	0.01	99.61
149.5-150.0	1.1	0.0	441.0	0.01	99.62
150.0-150.5	1.2	0.0	441.0	0.01	99.63
150.5-151.0	1.5	0.0	441.0	0.01	99.63
151.0-151.5	1.6	0.0	441.1	0.01	99.64
151.5-152.0	1.5	0.0	441.1	0.01	99.65
152.0-152.5	1.7	0.0	441.1	0.01	99.66
152.5-153.0	1.4	0.0	441.2	0.01	99.67
153.0-153.5	1.7	0.0	441.2	0.01	99.68
153.5-154.0	1.9	0.0	441.3	0.01	99.69
154.0-154.5	1.9	0.0	441.3	0.01	99.70
154.5-155.0	1.6	0.0	441.4	0.01	99.71
155.0-155.5	1.0	0.0	441.4	0.01	99.71
155.5-156.0	1.6	0.0	441.4	0.01	99.72
156.0-156.5	2.8	0.1	441.5	0.01	99.74
156.5-157.0	2.6	0.1	441.5	0.01	99.75
157.0-157.5	1.8	0.0	441.6	0.01	99.76
157.5-158.0	1.4	0.0	441.6	0.01	99.76
158.0-158.5	1.6	0.0	441.6	0.01	99.77
158.5-159.0	1.8	0.0	441.7	0.01	99.78
159.0-159.5	1.8	0.0	441.7	0.01	99.79
159.5-160.0	2.0	0.0	441.7	0.01	99.80
160.0-160.5	2.4	0.0	441.8	0.01	99.81
160.5-161.0	2.5	0.0	441.8	0.01	99.82
161.0-161.5	2.2	0.0	441.9	0.01	99.83
161.5-162.0	2.2	0.0	441.9	0.01	99.83

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Zonal Lumen (Continue 9)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
162.0-162.5	1.9	0.0	441.9	0.01	99.84
162.5-163.0	1.8	0.0	442.0	0.01	99.85
163.0-163.5	2.8	0.0	442.0	0.01	99.86
163.5-164.0	3.1	0.0	442.1	0.01	99.87
164.0-164.5	3.0	0.0	442.1	0.01	99.88
164.5-165.0	2.6	0.0	442.1	0.01	99.89
165.0-165.5	1.7	0.0	442.2	0.01	99.89
165.5-166.0	1.3	0.0	442.2	0.00	99.90
166.0-166.5	2.1	0.0	442.2	0.01	99.90
166.5-167.0	2.6	0.0	442.2	0.01	99.91
167.0-167.5	2.2	0.0	442.3	0.01	99.92
167.5-168.0	2.4	0.0	442.3	0.01	99.92
168.0-168.5	2.3	0.0	442.3	0.01	99.93
168.5-169.0	2.7	0.0	442.4	0.01	99.93
169.0-169.5	2.7	0.0	442.4	0.01	99.94
169.5-170.0	2.3	0.0	442.4	0.01	99.95
170.0-170.5	2.0	0.0	442.4	0.00	99.95
170.5-171.0	2.4	0.0	442.4	0.00	99.95
171.0-171.5	2.9	0.0	442.5	0.01	99.96
171.5-172.0	2.7	0.0	442.5	0.00	99.97
172.0-172.5	2.4	0.0	442.5	0.00	99.97
172.5-173.0	2.0	0.0	442.5	0.00	99.97
173.0-173.5	1.9	0.0	442.5	0.00	99.98
173.5-174.0	2.1	0.0	442.5	0.00	99.98
174.0-174.5	2.6	0.0	442.6	0.00	99.98
174.5-175.0	2.8	0.0	442.6	0.00	99.98
175.0-175.5	3.1	0.0	442.6	0.00	99.99
175.5-176.0	3.0	0.0	442.6	0.00	99.99
176.0-176.5	2.6	0.0	442.6	0.00	99.99
176.5-177.0	2.7	0.0	442.6	0.00	99.99
177.0-177.5	3.0	0.0	442.6	0.00	100.00
177.5-178.0	3.2	0.0	442.6	0.00	100.00
178.0-178.5	2.8	0.0	442.6	0.00	100.00
178.5-179.0	2.8	0.0	442.6	0.00	100.00
179.0-179.5	3.0	0.0	442.6	0.00	100.00
179.5-180.0	2.8	0.0	442.6	0.00	100.00

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	598.9	596.2	592.0	592.8	598.9	596.2	592.0	592.8	598.9	
G0.5	599.3	596.6	596.8	593.5	602.5	595.0	595.8	593.7	599.3	
G1.0	599.2	597.1	592.6	593.3	601.2	593.4	594.6	593.4	599.2	
G1.5	598.8	597.1	592.6	592.6	599.8	591.3	593.0	591.2	598.8	
G2.0	598.0	596.8	596.7	591.5	594.0	589.0	591.1	591.7	598.0	
G2.5	601.2	594.8	591.6	590.2	592.1	586.4	588.8	588.6	601.2	
G3.0	599.6	594.8	595.1	588.8	589.9	584.7	586.2	586.7	599.6	
G3.5	597.7	593.3	589.3	586.9	590.6	580.1	578.7	586.5	597.7	
G4.0	591.1	589.6	587.7	584.5	587.6	578.4	575.7	584.0	591.1	
G4.5	592.6	587.3	585.8	581.9	581.3	574.7	572.0	579.0	592.6	
G5.0	589.5	584.6	587.7	580.0	577.5	570.8	572.1	578.4	589.5	
G5.5	581.9	581.7	585.1	575.7	573.8	563.8	563.8	575.0	581.9	
G6.0	582.4	581.3	582.3	572.2	569.7	559.0	563.1	567.9	582.4	
G6.5	578.2	574.8	575.4	569.8	565.2	556.8	554.7	567.0	578.2	
G7.0	570.0	570.9	571.8	565.4	560.7	548.2	553.8	559.2	570.0	
G7.5	569.3	566.9	567.8	559.2	557.3	546.4	548.1	557.7	569.3	
G8.0	560.8	566.3	563.3	554.4	551.8	537.1	539.2	552.9	560.8	
G8.5	559.3	557.7	558.8	549.5	545.6	532.0	537.7	544.4	559.3	
G9.0	554.1	552.7	554.1	546.3	540.8	529.5	528.3	542.6	554.1	
G9.5	548.4	547.5	549.2	538.5	534.3	519.5	526.1	537.1	548.4	
G10.0	539.8	546.5	547.3	535.9	528.2	516.9	516.3	527.3	539.8	
G10.5	534.3	541.0	539.0	527.0	522.1	510.6	510.6	521.5	534.3	
G11.0	530.1	534.7	533.7	523.5	516.0	500.1	507.4	519.8	530.1	
G11.5	523.7	524.6	528.2	513.9	508.9	493.4	501.1	513.2	523.7	
G12.0	516.3	522.9	525.3	508.4	503.0	486.0	491.3	503.0	516.3	
G12.5	508.0	512.0	519.4	505.0	495.6	479.0	484.5	496.0	508.0	
G13.0	500.9	509.9	513.5	494.9	488.4	476.3	477.5	489.8	500.9	
G13.5	494.5	503.3	504.7	487.9	481.2	463.9	470.5	487.0	494.5	
G14.0	486.7	496.4	497.6	480.6	475.0	455.9	465.1	479.9	486.7	
G14.5	478.6	489.0	493.6	477.3	465.8	448.1	458.2	468.5	478.6	
G15.0	470.4	482.0	486.5	465.5	460.0	445.2	448.4	465.3	470.4	
G15.5	462.4	474.9	476.6	458.0	452.4	437.8	441.8	457.7	462.4	
G16.0	453.9	467.1	469.4	454.1	441.8	425.6	433.8	445.3	453.9	
G16.5	445.8	459.1	464.4	447.4	437.6	422.0	425.8	437.5	445.8	
G17.0	437.4	451.2	454.3	435.1	430.1	414.3	417.3	429.4	437.4	
G17.5	429.1	443.2	446.8	430.6	418.5	406.6	408.6	421.1	429.1	
G18.0	420.6	430.6	440.8	422.3	410.1	398.5	398.9	412.7	420.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G18.5	412.1	426.8	431.0	414.2	404.5	390.4	390.1	408.0	412.1	
G19.0	403.3	418.5	422.8	402.2	392.2	377.4	381.4	395.5	403.3	
G19.5	394.3	406.0	416.8	397.8	383.0	373.1	372.6	386.6	394.3	
G20.0	386.8	401.1	407.5	384.3	377.5	360.0	362.6	381.5	386.8	
G20.5	378.7	392.3	397.5	380.4	368.4	351.2	353.3	371.6	378.7	
G21.0	368.8	382.3	389.9	371.2	359.2	342.0	344.9	362.9	368.8	
G21.5	359.5	370.4	380.7	357.2	345.1	332.6	334.0	353.3	359.5	
G22.0	350.0	363.2	369.5	352.1	340.3	325.8	325.3	339.1	350.0	
G22.5	340.4	353.8	361.9	338.7	325.9	316.1	315.8	329.6	340.4	
G23.0	327.0	344.3	351.0	333.5	321.0	306.6	306.3	319.9	327.0	
G23.5	320.0	331.9	342.5	324.0	306.3	293.9	296.8	309.9	320.0	
G24.0	306.9	322.1	332.9	314.4	296.4	287.2	285.9	304.2	306.9	
G24.5	296.8	314.4	322.6	300.7	286.6	277.5	278.0	290.2	296.8	
G25.0	286.7	302.6	313.7	295.0	276.9	266.4	266.7	284.4	286.7	
G25.5	280.4	292.9	304.4	285.5	267.2	258.6	259.3	270.6	280.4	
G26.0	270.6	283.6	295.0	271.0	257.6	249.1	247.7	263.7	270.6	
G26.5	257.2	273.5	285.4	265.9	248.1	238.2	237.6	254.1	257.2	
G27.0	251.2	264.0	275.9	251.8	242.7	230.8	231.9	241.7	251.2	
G27.5	236.8	254.3	266.5	242.3	233.4	220.6	223.0	234.7	236.8	
G28.0	227.3	244.7	255.9	233.1	224.3	212.1	214.3	225.3	227.3	
G28.5	222.1	235.5	247.4	223.9	215.1	203.5	201.8	212.8	222.1	
G29.0	209.1	226.4	237.6	215.1	206.3	195.4	197.4	206.6	209.1	
G29.5	204.4	217.5	229.3	209.5	193.8	186.8	189.0	194.5	204.4	
G30.0	195.8	209.7	220.2	200.9	189.2	179.7	176.5	185.8	195.8	
G30.5	182.6	200.4	211.4	192.4	177.4	171.2	172.3	177.3	182.6	
G31.0	179.1	193.5	202.6	183.8	169.4	165.2	160.7	169.0	179.1	
G31.5	166.3	185.7	193.9	172.1	161.6	156.6	152.3	160.9	166.3	
G32.0	158.5	177.4	184.2	164.1	154.1	149.5	145.6	153.1	158.5	
G32.5	151.0	170.4	176.7	156.3	149.1	144.0	142.4	146.8	151.0	
G33.0	143.8	162.3	168.0	151.0	139.9	137.5	135.6	139.4	143.8	
G33.5	140.8	152.6	160.2	143.7	133.1	129.0	124.1	132.4	140.8	
G34.0	134.2	148.1	152.4	134.1	126.6	122.4	122.3	125.6	134.2	
G34.5	127.7	141.1	145.8	129.8	121.7	118.3	111.1	119.1	127.7	
G35.0	121.4	134.3	138.6	121.0	114.0	112.2	104.9	111.8	121.4	
G35.5	115.4	123.8	131.7	114.8	109.1	106.3	98.8	105.9	115.4	
G36.0	105.8	117.2	123.3	108.8	101.8	100.5	93.0	100.1	105.8	
G36.5	103.3	114.5	116.8	104.1	96.3	91.3	87.4	94.3	103.3	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	95.1	105.0	110.6	98.5	91.8	85.9	82.2	88.7	95.1	
G37.5	92.5	99.2	104.4	93.0	86.0	84.1	81.2	84.1	92.5	
G38.0	87.4	97.6	99.8	86.9	81.0	79.1	71.7	79.2	87.4	
G38.5	82.5	88.2	92.7	82.2	76.1	74.4	67.2	74.2	82.5	
G39.0	77.8	87.8	89.2	77.3	71.3	69.9	67.0	69.8	77.8	
G39.5	73.1	83.1	84.1	72.6	66.5	65.6	58.5	64.7	73.1	
G40.0	68.5	74.2	77.5	68.0	61.7	61.5	54.7	60.5	68.5	
G40.5	62.8	69.6	72.7	62.9	57.2	53.0	54.5	56.3	62.8	
G41.0	59.8	65.9	68.3	58.4	52.6	53.4	50.8	52.6	59.8	
G41.5	55.9	61.7	65.5	54.2	50.4	45.3	47.4	51.1	55.9	
G42.0	52.1	58.0	59.5	50.2	46.9	41.7	44.0	45.8	52.1	
G42.5	48.2	54.3	55.5	47.7	43.5	43.0	40.9	42.7	48.2	
G43.0	45.1	50.9	53.7	44.6	38.3	39.8	35.0	39.8	45.1	
G43.5	42.2	51.9	48.2	39.8	38.2	37.2	35.5	37.0	42.2	
G44.0	38.7	44.1	47.0	39.1	32.8	34.8	30.3	34.4	38.7	
G44.5	35.9	41.3	41.8	36.5	33.3	28.2	30.7	34.5	35.9	
G45.0	33.3	43.1	41.0	32.0	31.3	26.3	26.6	32.0	33.3	
G45.5	32.2	36.3	38.5	32.3	26.2	24.6	25.2	30.4	32.2	
G46.0	28.5	38.2	33.8	27.4	24.2	23.1	25.6	28.6	28.5	
G46.5	26.6	32.0	33.8	25.6	22.5	21.6	22.5	23.6	26.6	
G47.0	24.9	33.9	29.6	23.8	20.9	24.3	21.5	25.6	24.9	
G47.5	23.3	28.3	30.0	25.3	19.4	23.0	21.8	20.8	23.3	
G48.0	24.3	26.7	25.7	24.1	18.0	21.8	19.6	23.2	24.3	
G48.5	23.2	28.5	24.1	19.2	21.0	20.8	18.9	22.2	23.2	
G49.0	22.1	27.0	25.4	21.6	20.0	16.3	18.7	21.3	22.1	
G49.5	18.0	25.5	24.0	16.9	19.1	15.6	17.8	20.6	18.0	
G50.0	17.0	21.1	19.9	15.9	18.2	18.0	17.1	19.9	17.0	
G50.5	19.5	22.8	21.8	18.9	17.6	14.4	16.3	15.0	19.5	
G51.0	15.2	21.6	17.6	14.2	17.0	16.6	15.9	14.4	15.2	
G51.5	18.1	20.4	19.8	17.7	11.8	13.3	14.8	18.0	18.1	
G52.0	17.6	17.3	19.0	16.9	15.9	13.0	14.2	17.4	17.6	
G52.5	17.0	18.4	18.1	12.0	11.0	14.7	14.5	12.5	17.0	
G53.0	12.2	15.7	17.5	15.9	14.7	13.9	14.1	16.3	12.2	
G53.5	11.8	16.7	16.8	10.9	10.2	13.6	12.4	11.3	11.8	
G54.0	11.3	14.7	12.7	14.9	9.8	11.6	13.3	10.8	11.3	
G54.5	14.9	14.9	15.7	10.0	9.3	11.2	11.2	10.4	14.9	
G55.0	10.2	13.7	15.1	14.1	13.2	11.1	10.7	10.0	10.2	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G55.5	9.8	13.4	10.9	9.3	12.9	10.8	12.3	9.6	9.8	
G56.0	13.7	13.0	10.4	9.0	12.5	10.6	12.0	13.7	13.7	
G56.5	9.1	12.6	13.7	13.0	12.1	10.6	9.0	8.9	9.1	
G57.0	8.7	12.1	13.3	12.7	11.8	10.1	8.8	13.0	8.7	
G57.5	12.7	11.6	12.9	8.1	11.5	9.7	8.3	12.7	12.7	
G58.0	12.6	11.9	8.4	12.0	11.1	9.8	7.7	12.3	12.6	
G58.5	7.9	11.6	8.1	11.7	8.0	8.8	10.6	7.8	7.9	
G59.0	7.5	11.5	7.7	7.4	8.0	9.4	7.1	11.7	7.5	
G59.5	11.6	9.6	11.5	7.2	7.9	8.0	9.9	11.4	11.6	
G60.0	11.3	10.9	6.9	10.7	7.8	7.6	9.8	11.1	11.3	
G60.5	10.8	8.6	10.8	10.4	9.6	8.9	9.6	10.6	10.8	
G61.0	6.8	8.2	10.6	6.7	9.2	6.9	9.1	6.7	6.8	
G61.5	6.6	10.3	5.9	9.8	7.5	8.6	5.3	10.2	6.6	
G62.0	6.3	10.1	9.8	6.5	7.4	8.4	4.9	9.7	6.3	
G62.5	6.3	9.9	5.2	9.2	8.1	8.2	4.6	9.6	6.3	
G63.0	6.2	6.6	4.9	8.9	7.8	8.1	8.4	6.1	6.2	
G63.5	9.2	6.2	4.5	6.2	7.1	5.1	8.1	5.8	9.2	
G64.0	8.9	5.8	8.9	6.0	7.0	4.7	8.0	5.8	8.9	
G64.5	5.9	9.1	8.6	5.9	6.8	7.5	3.4	5.7	5.9	
G65.0	8.2	5.1	3.7	7.5	6.7	4.1	3.2	5.4	8.2	
G65.5	5.6	4.7	3.6	7.2	5.9	7.1	7.3	7.8	5.6	
G66.0	7.4	4.4	3.4	5.6	6.5	3.4	7.0	5.2	7.4	
G66.5	5.4	4.0	7.3	6.4	6.4	3.1	6.7	5.1	5.4	
G67.0	5.3	8.0	7.2	6.1	6.1	2.8	6.6	6.8	5.3	
G67.5	5.2	7.8	6.9	5.1	4.5	2.5	1.9	4.8	5.2	
G68.0	6.0	7.5	2.3	5.4	6.2	6.2	6.1	6.2	6.0	
G68.5	5.6	2.9	2.3	5.1	5.9	5.8	5.9	5.8	5.6	
G69.0	5.0	2.6	6.2	4.6	6.0	5.8	5.7	4.4	5.0	
G69.5	5.0	2.4	2.1	4.8	3.3	5.6	1.0	4.3	5.0	
G70.0	4.9	6.6	5.7	4.1	2.8	1.0	5.3	4.8	4.9	
G70.5	4.3	1.9	5.4	4.5	2.7	5.3	0.6	4.4	4.3	
G71.0	4.0	6.1	1.6	3.4	5.7	5.2	0.5	4.0	4.0	
G71.5	3.7	1.6	1.4	3.1	5.5	0.3	0.3	3.8	3.7	
G72.0	3.4	1.4	1.3	4.2	5.6	0.4	0.2	3.5	3.4	
G72.5	4.8	1.2	1.2	4.3	5.5	0.2	0.0	3.6	4.8	
G73.0	2.9	5.2	1.1	2.1	5.3	4.4	0.0	3.6	2.9	
G73.5	2.6	4.9	1.0	1.7	1.4	0.0	4.1	2.5	2.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	2.3	4.7	0.9	1.6	5.3	4.3	0.0	3.4	2.3	
G74.5	4.8	0.8	3.5	4.1	0.9	0.0	3.8	3.4	4.8	
G75.0	4.8	4.2	3.3	0.9	0.9	4.0	3.7	1.7	4.8	
G75.5	1.7	0.7	3.1	3.9	0.8	3.9	3.6	1.5	1.7	
G76.0	1.5	0.4	2.8	3.8	4.9	0.0	0.0	3.3	1.5	
G76.5	1.3	3.5	0.6	3.5	0.6	3.6	0.0	0.9	1.3	
G77.0	4.9	0.5	0.5	3.6	0.4	0.0	3.1	3.1	4.9	
G77.5	1.0	2.9	0.5	0.0	4.7	3.4	3.0	2.8	1.0	
G78.0	4.8	0.5	0.4	0.0	0.3	3.2	2.7	3.0	4.8	
G78.5	0.7	2.5	0.3	3.3	4.6	3.1	2.8	0.0	0.7	
G79.0	4.8	0.3	1.6	3.2	4.5	3.0	0.0	2.7	4.8	
G79.5	0.4	0.5	1.4	3.0	0.1	2.8	0.0	0.0	0.4	
G80.0	0.3	1.9	0.3	0.0	4.3	0.0	0.0	0.0	0.3	
G80.5	0.0	0.3	1.0	0.0	4.2	0.0	2.3	0.0	0.0	
G81.0	0.1	1.4	0.8	0.0	4.0	2.3	0.0	0.0	0.1	
G81.5	4.5	1.1	0.2	0.0	3.9	2.1	2.0	2.6	4.5	
G82.0	0.0	0.7	0.2	0.0	3.8	0.0	0.0	0.0	0.0	
G82.5	0.0	0.6	0.2	0.0	3.6	0.0	0.0	0.0	0.0	
G83.0	4.3	0.6	0.0	2.4	0.0	0.0	0.0	0.0	4.3	
G83.5	0.0	0.1	0.0	0.0	0.0	1.5	1.5	2.2	0.0	
G84.0	0.0	0.7	0.0	2.2	0.0	1.4	0.0	2.3	0.0	
G84.5	4.1	0.7	0.1	2.1	0.0	0.0	0.0	2.2	4.1	
G85.0	0.0	0.0	0.1	0.0	2.8	0.0	0.0	0.0	0.0	
G85.5	0.0	0.8	0.1	1.9	2.6	0.8	0.0	0.0	0.0	
G86.0	3.7	0.8	0.0	0.0	0.0	0.8	1.0	0.0	3.7	
G86.5	0.0	0.0	0.0	0.0	0.1	0.0	0.9	2.0	0.0	
G87.0	3.3	0.0	0.1	1.7	2.1	0.4	0.9	0.0	3.3	
G87.5	0.0	1.0	0.1	1.6	1.9	0.4	0.8	1.9	0.0	
G88.0	2.9	0.0	0.0	0.0	0.2	0.0	0.0	0.0	2.9	
G88.5	2.7	1.1	0.0	0.0	0.0	0.0	0.0	1.7	2.7	
G89.0	2.5	0.0	0.1	0.0	0.2	0.0	0.0	0.0	2.5	
G89.5	0.0	1.1	0.2	1.1	0.2	0.0	0.3	1.6	0.0	
G90.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	
G90.5	1.9	1.1	0.0	0.9	0.4	0.0	0.3	1.3	1.9	
G91.0	0.1	0.0	0.2	0.8	0.6	0.0	0.3	1.3	0.1	
G91.5	0.3	0.0	0.4	0.8	0.6	0.0	0.0	0.0	0.3	
G92.0	0.6	1.4	0.0	0.0	1.1	0.0	0.0	0.0	0.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G92.5	0.9	1.6	0.0	0.8	0.7	0.0	0.3	1.3	0.9	
G93.0	1.8	1.9	0.0	0.7	1.6	0.0	0.0	1.5	1.8	
G93.5	1.8	2.1	0.0	0.4	2.1	0.0	0.3	0.0	1.8	
G94.0	1.8	2.2	0.8	0.3	0.8	0.0	0.1	0.0	1.8	
G94.5	1.8	2.1	0.9	0.1	0.6	0.0	0.0	1.0	1.8	
G95.0	1.8	0.0	0.0	0.0	2.9	0.0	0.0	0.7	1.8	
G95.5	2.6	2.4	0.0	0.0	0.9	0.0	0.0	0.4	2.6	
G96.0	2.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0	2.9	
G96.5	3.1	2.2	1.0	0.0	0.9	0.0	0.0	0.0	3.1	
G97.0	3.3	2.0	1.0	0.0	0.9	0.0	0.0	0.0	3.3	
G97.5	1.5	1.6	0.0	0.0	4.1	0.0	0.0	0.0	1.5	
G98.0	1.5	0.0	1.0	0.0	0.8	0.0	0.0	0.0	1.5	
G98.5	3.8	1.4	1.0	0.0	0.8	0.0	0.0	0.0	3.8	
G99.0	3.8	1.2	1.0	0.0	4.6	0.1	0.0	0.0	3.8	
G99.5	4.1	0.0	1.0	0.0	0.8	0.0	0.0	0.0	4.1	
G100.0	1.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.1	
G100.5	4.2	0.8	0.8	0.0	0.7	0.0	0.0	0.0	4.2	
G101.0	1.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	1.0	
G101.5	0.9	0.0	0.0	0.0	4.9	0.7	0.0	0.0	0.9	
G102.0	0.6	0.5	0.0	0.0	0.6	0.7	0.0	0.0	0.6	
G102.5	0.8	0.5	0.0	0.0	5.0	0.0	0.0	0.0	0.8	
G103.0	0.7	0.3	0.0	0.0	0.5	0.0	0.0	0.0	0.7	
G103.5	4.9	0.0	0.0	0.0	0.5	0.9	0.0	0.0	4.9	
G104.0	0.6	0.2	0.0	0.0	5.0	1.0	0.0	0.0	0.6	
G104.5	0.6	0.0	0.0	0.1	5.0	1.0	0.0	0.0	0.6	
G105.0	0.6	0.0	0.0	0.0	0.7	1.1	0.0	0.0	0.6	
G105.5	0.6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.6	
G106.0	5.1	0.0	0.0	0.3	0.9	0.0	0.0	0.0	5.1	
G106.5	0.7	0.0	0.0	0.4	1.0	1.1	0.0	0.0	0.7	
G107.0	0.8	0.0	0.0	0.4	1.1	1.1	0.0	0.0	0.8	
G107.5	0.8	0.0	1.1	0.0	5.2	1.1	0.0	0.0	0.8	
G108.0	0.9	0.0	0.0	0.6	1.4	0.0	0.0	0.0	0.9	
G108.5	5.3	0.0	1.1	0.0	5.2	1.0	0.0	0.0	5.3	
G109.0	1.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	1.0	
G109.5	5.3	0.0	1.0	0.0	5.2	1.0	0.0	0.0	5.3	
G110.0	1.1	0.0	0.0	0.8	5.0	1.0	0.0	0.1	1.1	
G110.5	1.1	0.0	0.0	0.0	2.1	0.0	0.0	0.1	1.1	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	5.2	0.0	1.0	0.0	2.3	0.0	0.0	0.2	5.2	
G111.5	1.3	0.0	0.0	1.0	4.8	0.0	0.0	0.0	1.3	
G112.0	5.0	0.0	0.0	0.9	4.9	0.8	0.0	0.0	5.0	
G112.5	1.4	0.0	1.0	1.0	2.5	0.0	0.0	0.4	1.4	
G113.0	1.3	0.0	0.0	1.1	2.4	0.0	0.0	0.4	1.3	
G113.5	4.7	0.0	0.0	1.1	4.5	0.6	0.0	0.0	4.7	
G114.0	4.6	0.0	0.9	1.1	4.3	0.0	0.0	0.5	4.6	
G114.5	4.3	0.0	0.0	1.1	4.0	0.0	0.0	0.0	4.3	
G115.0	4.4	0.5	0.0	1.2	2.9	0.0	0.0	0.6	4.4	
G115.5	4.3	0.0	0.0	1.2	2.9	0.2	0.0	0.7	4.3	
G116.0	1.7	0.0	0.0	0.0	3.3	0.1	0.0	0.7	1.7	
G116.5	4.0	0.8	0.8	0.0	1.5	0.0	0.0	0.7	4.0	
G117.0	2.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	2.0	
G117.5	3.6	0.9	0.8	1.2	0.0	0.0	0.0	0.0	3.6	
G118.0	3.5	0.0	0.8	0.0	0.0	0.0	0.0	0.8	3.5	
G118.5	3.0	1.0	0.7	1.3	0.0	0.0	0.0	0.9	3.0	
G119.0	0.8	1.1	0.0	1.2	0.0	0.0	0.1	0.9	0.8	
G119.5	0.0	0.0	0.7	1.2	0.0	0.0	0.0	0.0	0.0	
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G120.5	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.0	0.0	
G121.0	0.0	0.0	0.6	1.1	0.0	0.0	0.3	1.0	0.0	
G121.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
G122.0	0.0	1.3	0.6	1.1	0.0	0.0	0.4	1.0	0.0	
G122.5	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	
G123.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	
G123.5	0.0	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	
G124.0	0.0	1.1	0.0	0.0	0.7	0.1	0.7	1.1	0.0	
G124.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	
G125.0	0.4	1.3	0.0	0.0	0.0	0.3	0.9	0.0	0.4	
G125.5	0.6	1.0	0.0	0.8	1.0	0.4	0.9	1.2	0.6	
G126.0	0.7	1.2	0.0	0.0	1.1	0.6	1.0	0.0	0.7	
G126.5	0.0	1.2	0.4	0.7	0.0	0.0	0.0	1.3	0.0	
G127.0	0.9	1.1	0.0	0.6	1.3	0.8	0.0	1.3	0.9	
G127.5	1.0	1.0	0.0	0.0	0.0	0.9	1.2	0.0	1.0	
G128.0	1.2	0.0	0.4	0.5	0.0	0.0	1.3	0.0	1.2	
G128.5	1.1	0.9	0.0	0.0	0.0	1.1	0.0	1.4	1.1	
G129.0	1.4	0.9	0.4	0.0	0.0	0.0	0.0	0.0	1.4	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G129.5	0.0	0.8	0.0	0.3	1.6	1.4	1.5	1.5	0.0	
G130.0	1.4	0.7	0.2	0.3	0.0	0.0	0.0	0.0	1.4	
G130.5	0.0	0.7	0.5	0.0	1.6	1.5	0.0	1.5	0.0	
G131.0	1.7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	1.7	
G131.5	0.0	0.0	0.3	0.1	1.6	1.7	0.0	0.0	0.0	
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	
G132.5	2.0	0.2	0.0	0.0	1.6	1.8	0.0	0.0	2.0	
G133.0	0.0	0.0	0.3	0.0	1.4	1.8	0.0	0.0	0.0	
G133.5	2.1	0.0	0.0	0.0	1.6	0.0	0.0	0.0	2.1	
G134.0	2.1	0.0	0.0	0.0	1.5	0.0	0.0	0.0	2.1	
G134.5	2.2	0.0	0.0	0.0	1.3	0.0	0.0	1.8	2.2	
G135.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	
G135.5	2.2	0.0	0.0	0.0	1.4	0.0	0.0	1.9	2.2	
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	
G136.5	0.0	0.1	0.0	0.0	1.3	1.9	1.9	1.9	0.0	
G137.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.2	
G137.5	2.3	0.0	0.0	0.0	0.9	1.9	2.0	0.0	2.3	
G138.0	2.2	0.4	0.0	0.0	0.0	0.0	0.0	2.0	2.2	
G138.5	0.0	0.8	1.1	0.0	1.0	0.0	1.9	2.1	0.0	
G139.0	2.2	0.0	0.0	0.0	0.8	1.8	0.0	2.1	2.2	
G139.5	2.2	0.0	0.0	1.1	0.9	0.0	1.9	2.1	2.2	
G140.0	2.2	1.3	1.3	0.0	0.0	0.0	0.0	0.0	2.2	
G140.5	2.1	1.4	1.3	1.4	0.0	0.0	1.9	2.2	2.1	
G141.0	2.1	1.6	0.0	0.0	0.0	1.6	0.0	0.0	2.1	
G141.5	2.1	1.7	1.5	1.6	0.0	1.4	1.8	0.0	2.1	
G142.0	0.0	1.8	1.5	0.0	0.0	0.0	1.8	0.0	0.0	
G142.5	2.0	1.9	0.0	1.9	0.6	0.0	1.7	0.0	2.0	
G143.0	1.9	2.1	0.0	1.9	0.6	0.0	1.7	2.2	1.9	
G143.5	1.9	2.2	1.7	2.2	0.5	0.0	1.6	0.0	1.9	
G144.0	1.9	0.0	0.0	2.3	0.3	1.2	1.6	0.0	1.9	
G144.5	0.0	2.4	0.0	0.0	0.5	0.0	0.0	2.3	0.0	
G145.0	0.2	0.0	2.0	2.5	0.4	1.0	1.5	2.5	0.2	
G145.5	1.5	0.0	0.0	0.0	0.7	0.2	1.4	2.5	1.5	
G146.0	0.5	2.7	0.0	0.0	0.4	0.7	1.4	0.0	0.5	
G146.5	0.7	2.8	0.0	0.0	1.0	0.5	0.0	0.0	0.7	
G147.0	1.3	2.7	0.0	0.0	0.3	0.7	0.0	2.6	1.3	
G147.5	1.5	0.0	2.4	3.0	1.2	0.4	1.2	2.5	1.5	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	1.3	3.0	0.0	0.0	0.3	0.5	1.2	2.7	1.3	
G148.5	1.3	0.0	0.0	0.0	1.4	0.4	1.0	0.0	1.3	
G149.0	1.6	3.1	2.6	3.2	0.3	1.4	1.0	0.0	1.6	
G149.5	1.2	0.0	0.0	3.3	0.3	0.2	0.8	0.0	1.2	
G150.0	1.0	2.9	2.6	0.0	0.3	1.8	1.0	2.8	1.0	
G150.5	2.2	3.1	0.0	0.0	0.3	0.0	1.1	0.0	2.2	
G151.0	1.0	3.1	2.9	3.4	1.9	2.2	0.4	2.9	1.0	
G151.5	0.8	0.0	0.0	0.0	1.9	0.0	1.4	2.9	0.8	
G152.0	2.8	3.2	3.1	3.5	0.3	2.5	1.5	0.0	2.8	
G152.5	3.0	0.0	0.0	3.6	0.3	0.0	0.3	3.0	3.0	
G153.0	0.6	2.9	0.0	3.6	2.2	0.0	0.4	3.0	0.6	
G153.5	0.8	0.0	3.3	3.6	2.3	3.0	2.0	0.0	0.8	
G154.0	0.8	0.0	3.3	3.7	2.4	3.1	2.0	0.0	0.8	
G154.5	3.4	0.0	3.5	3.7	0.4	3.3	0.2	0.0	3.4	
G155.0	0.7	0.0	3.5	0.0	0.4	3.4	0.1	2.9	0.7	
G155.5	0.7	0.1	0.0	0.0	0.3	3.5	0.0	0.0	0.7	
G156.0	3.9	0.2	3.6	3.8	0.2	3.6	2.7	3.2	3.9	
G156.5	4.2	2.9	3.7	3.8	2.8	3.8	2.9	0.0	4.2	
G157.0	4.3	2.8	0.0	3.7	2.8	3.8	0.0	0.3	4.3	
G157.5	4.4	2.8	3.8	0.2	0.2	0.0	0.0	0.3	4.4	
G158.0	4.6	2.7	0.0	0.3	0.4	0.0	0.0	3.2	4.6	
G158.5	0.6	2.7	0.0	0.3	2.9	4.0	0.0	3.5	0.6	
G159.0	4.8	1.2	0.0	0.6	0.4	4.1	3.5	0.6	4.8	
G159.5	0.7	1.4	4.0	0.7	3.0	0.0	0.0	3.4	0.7	
G160.0	0.6	1.6	4.0	0.9	3.0	4.1	3.7	0.8	0.6	
G160.5	5.0	2.4	4.1	1.0	3.0	4.1	0.0	0.9	5.0	
G161.0	5.0	2.3	0.0	4.0	0.5	0.0	3.8	3.8	5.0	
G161.5	0.5	2.2	4.1	1.2	3.1	0.0	3.9	1.0	0.5	
G162.0	4.9	2.3	4.2	1.3	3.0	0.0	0.0	3.9	4.9	
G162.5	0.3	2.6	0.0	4.0	3.2	0.0	0.0	1.2	0.3	
G163.0	0.2	2.7	4.2	1.5	3.2	0.0	4.2	1.2	0.2	
G163.5	4.6	1.9	4.2	4.0	0.5	4.1	4.2	4.0	4.6	
G164.0	0.2	3.1	0.0	3.9	3.3	4.0	4.3	4.1	0.2	
G164.5	4.6	1.7	4.3	1.8	0.8	3.9	4.3	4.1	4.6	
G165.0	4.5	1.6	4.3	3.8	0.6	0.4	0.0	1.2	4.5	
G165.5	0.2	1.5	4.3	1.8	0.9	0.5	0.0	1.2	0.2	
G166.0	0.3	1.4	4.3	1.8	0.9	0.6	0.0	1.0	0.3	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G166.5	4.5	3.8	4.3	1.7	3.3	0.7	4.4	0.9	4.5	
G167.0	0.4	1.2	0.3	3.3	3.4	3.7	4.4	0.8	0.4	
G167.5	4.5	1.2	0.5	3.2	1.0	3.7	0.2	3.6	4.5	
G168.0	0.6	1.1	0.5	3.1	3.5	3.5	4.4	3.7	0.6	
G168.5	0.5	4.1	0.4	3.1	3.5	3.4	0.3	0.9	0.5	
G169.0	0.8	4.4	4.3	1.9	3.6	3.3	4.4	3.8	0.8	
G169.5	4.4	0.8	0.8	1.7	1.2	3.2	4.4	0.9	4.4	
G170.0	4.1	4.3	0.6	2.0	3.6	3.1	0.6	1.0	4.1	
G170.5	4.3	0.6	0.9	2.1	1.4	2.0	0.7	0.9	4.3	
G171.0	4.2	0.6	4.2	1.9	3.4	2.9	4.3	3.9	4.2	
G171.5	1.1	0.3	4.0	2.2	3.7	2.4	4.2	3.8	1.1	
G172.0	4.1	4.8	1.2	2.2	1.6	2.5	1.0	4.0	4.1	
G172.5	4.1	0.5	4.1	2.1	1.7	2.7	1.1	1.0	4.1	
G173.0	1.5	0.3	1.2	3.1	3.7	2.3	1.3	1.0	1.5	
G173.5	3.9	0.5	1.5	2.3	3.6	2.2	1.5	1.0	3.9	
G174.0	1.9	0.5	1.5	3.0	3.7	1.9	3.8	0.8	1.9	
G174.5	2.0	5.1	1.5	2.4	3.6	1.9	3.5	4.3	2.0	
G175.0	3.6	0.5	3.9	2.5	2.0	1.5	1.9	4.2	3.6	
G175.5	2.3	5.0	3.8	2.9	3.6	3.9	3.4	4.4	2.3	
G176.0	2.3	0.4	1.9	3.0	3.6	1.2	2.3	4.3	2.3	
G176.5	3.3	4.9	2.0	2.5	2.2	4.3	2.3	0.9	3.3	
G177.0	2.7	4.9	2.1	3.0	3.6	1.2	3.0	0.9	2.7	
G177.5	2.8	4.8	2.2	2.7	2.3	4.7	2.9	4.7	2.8	
G178.0	2.5	4.5	2.4	2.8	3.4	4.8	3.1	0.8	2.5	
G178.5	1.9	1.5	2.7	2.6	3.4	0.8	2.4	4.8	1.9	
G179.0	4.7	3.0	2.3	3.1	2.7	5.0	3.6	0.7	4.7	
G179.5	5.0	4.3	1.6	3.4	2.6	0.6	3.9	0.7	5.0	
G180.0	0.8	5.0	1.2	2.0	2.7	4.9	0.9	5.1	0.8	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector: