

Report No.:

Test Time: 2018-08-27 14:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-5W-27K-80D Voltage: 12.1 V

Current: 0.467 A

Power: 4.40 W

Power Factor: 0.782

Photometric Results

CIE Class: Direct

Measurement Flux: 465.3 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 465.3 lm

Efficiency: 100%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,25%,50%,75%): H105.6,H88.4,H59.5,H38

Vertical Diffuse Angle(10%,25%,50%,75%): V105.3,V87.8,V59.4,V37.4

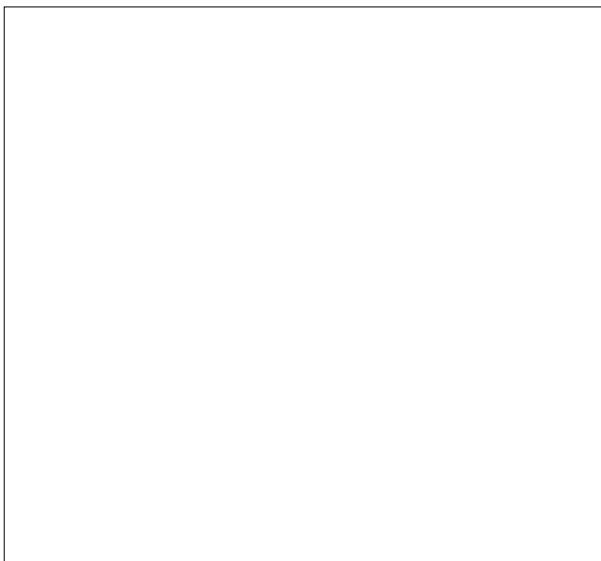
Luminaire Efficacy Rating (LER): 106

Central Intensity: 417.37 cd

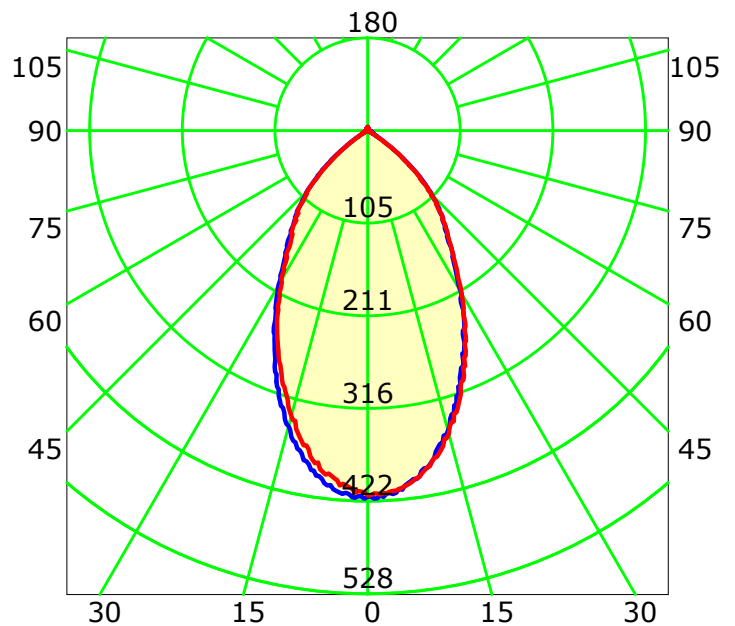
Max. Intensity: 420.05 cd

Pos of Max. Intensity: H45 V1.5

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

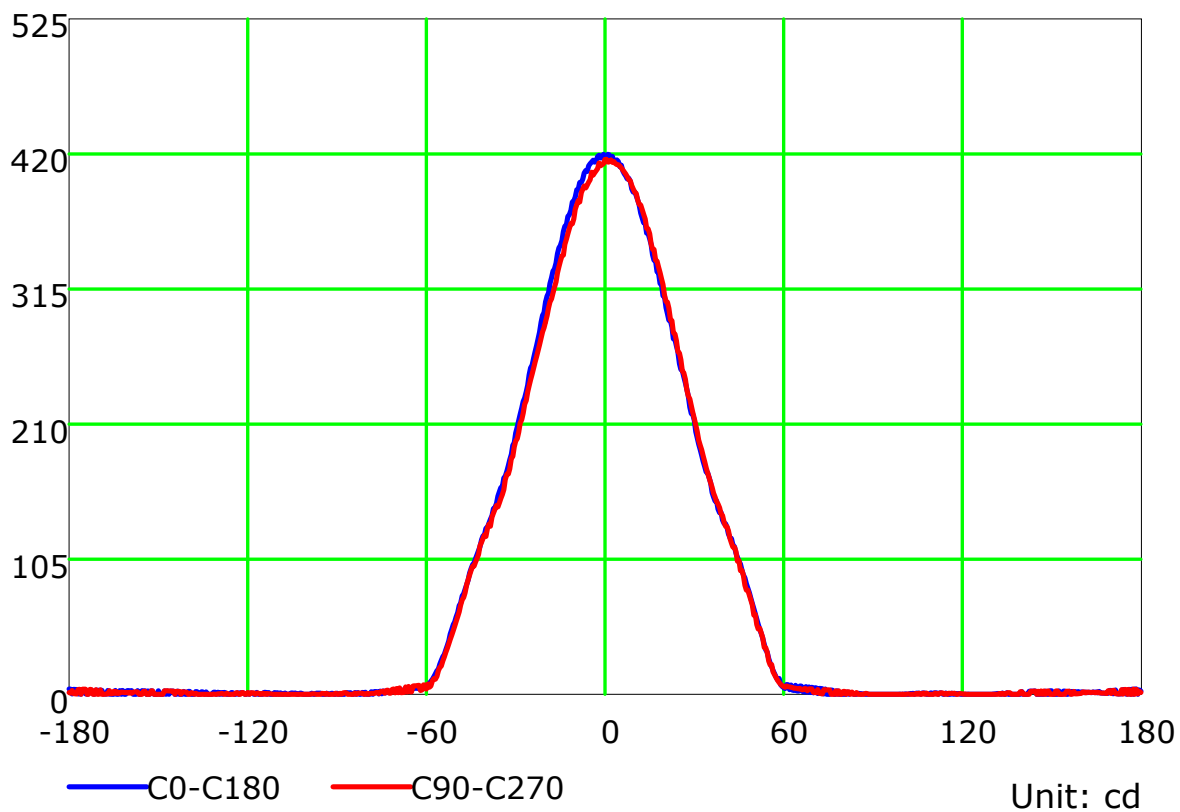
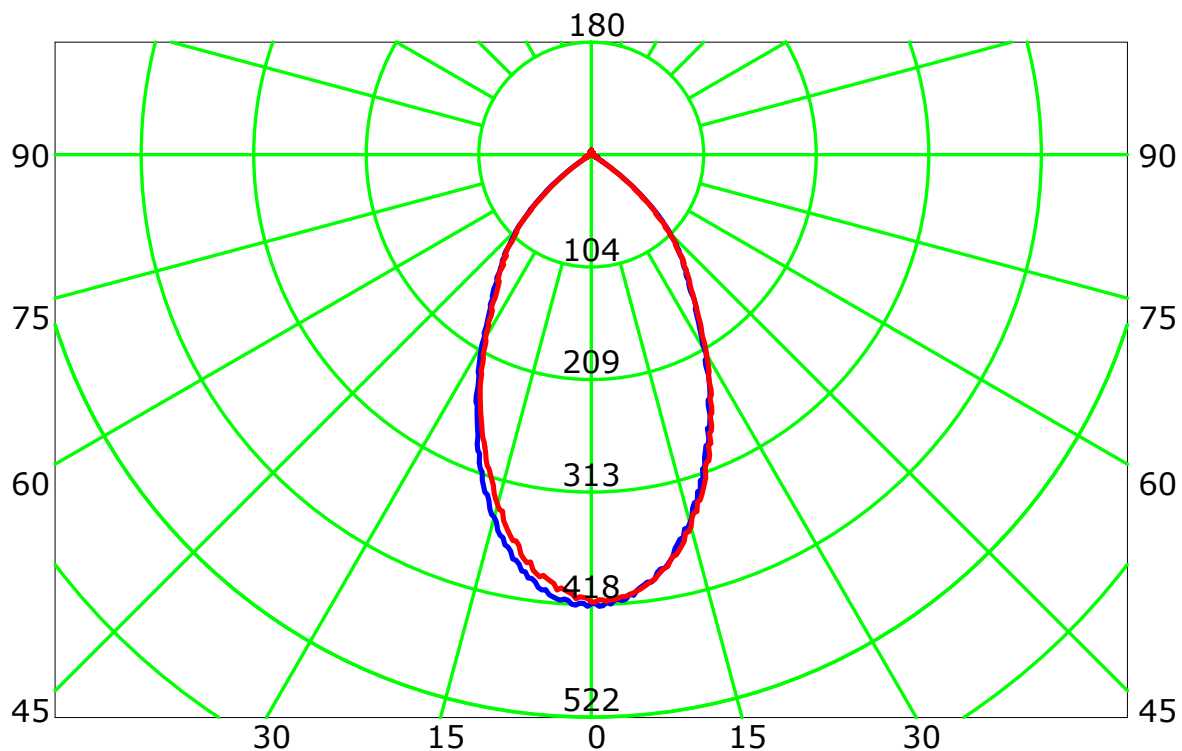
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

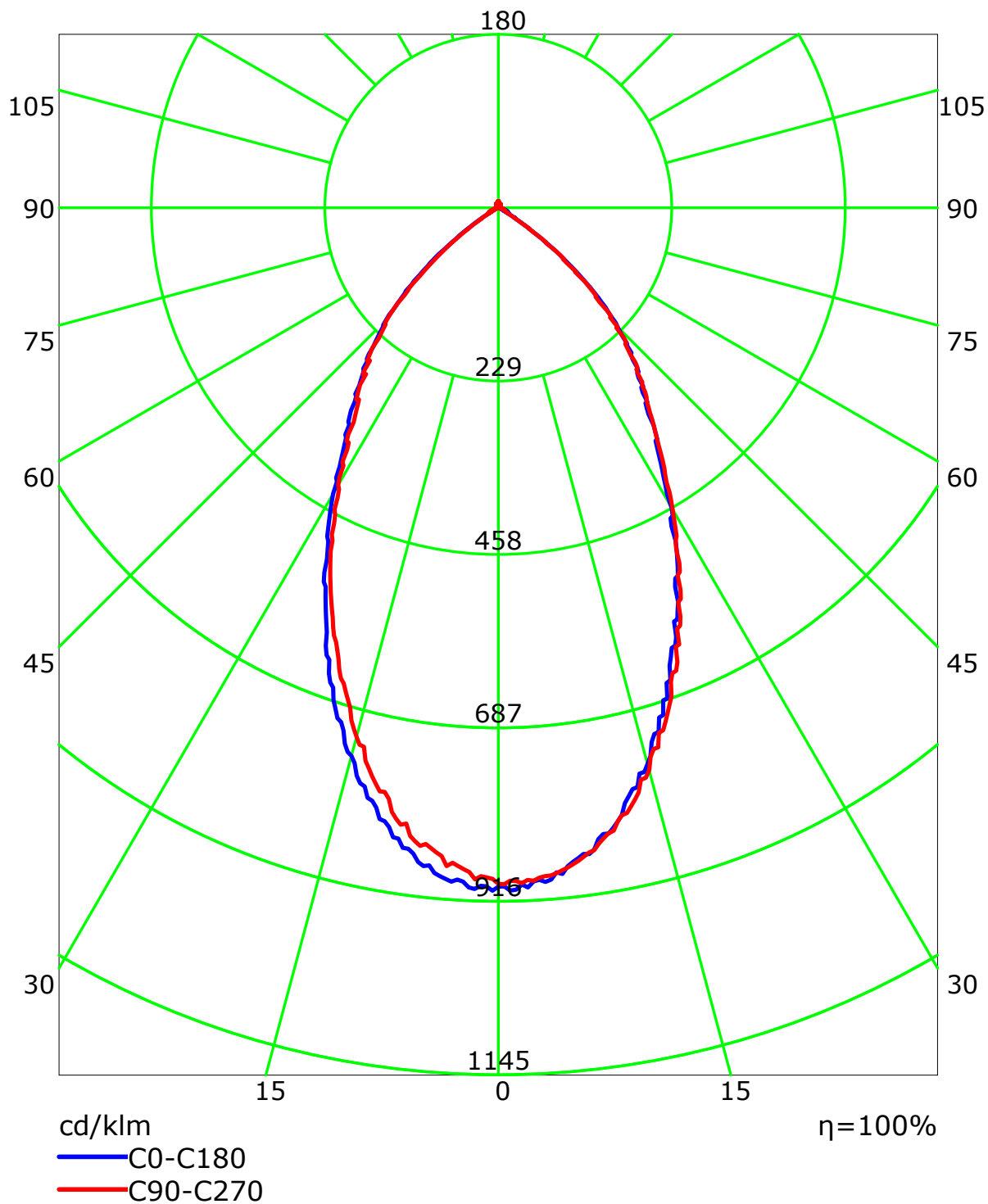
Luminous Intensity Distribution Curve



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)



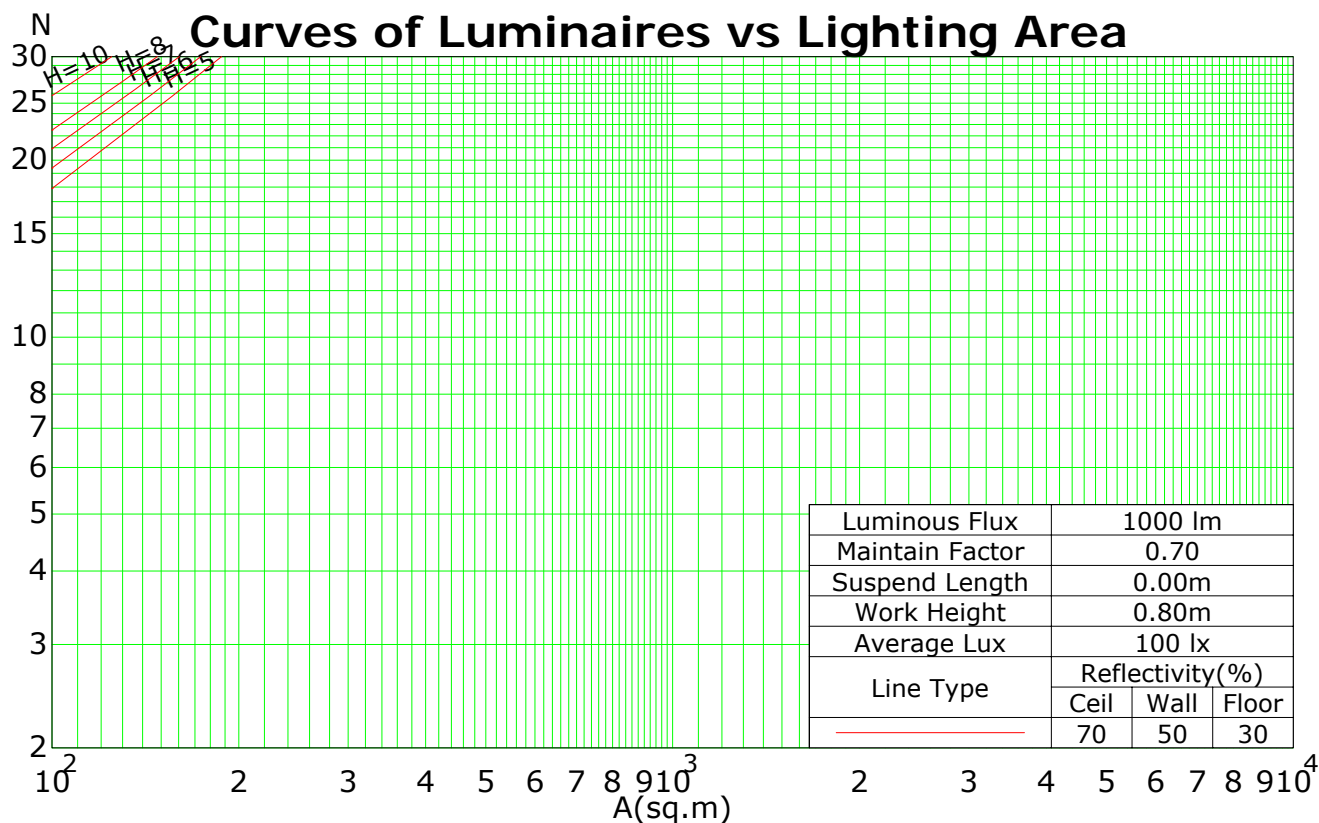
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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	112	109	106	104	110	107	105	102	103	101	99	99	97	96	95	94	93	91
2	106	100	96	92	103	98	94	91	95	91	88	92	89	86	89	87	85	83
3	99	92	86	82	97	91	85	81	88	83	80	85	81	78	83	80	77	75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	68
5	88	78	71	67	86	77	71	66	75	70	66	73	69	65	72	68	64	63
6	83	72	66	61	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

Spacing Criteria (0-180): 0.87
Spacing Criteria (90-270): 0.87
Spacing Criteria (Diagonal): 0.92



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

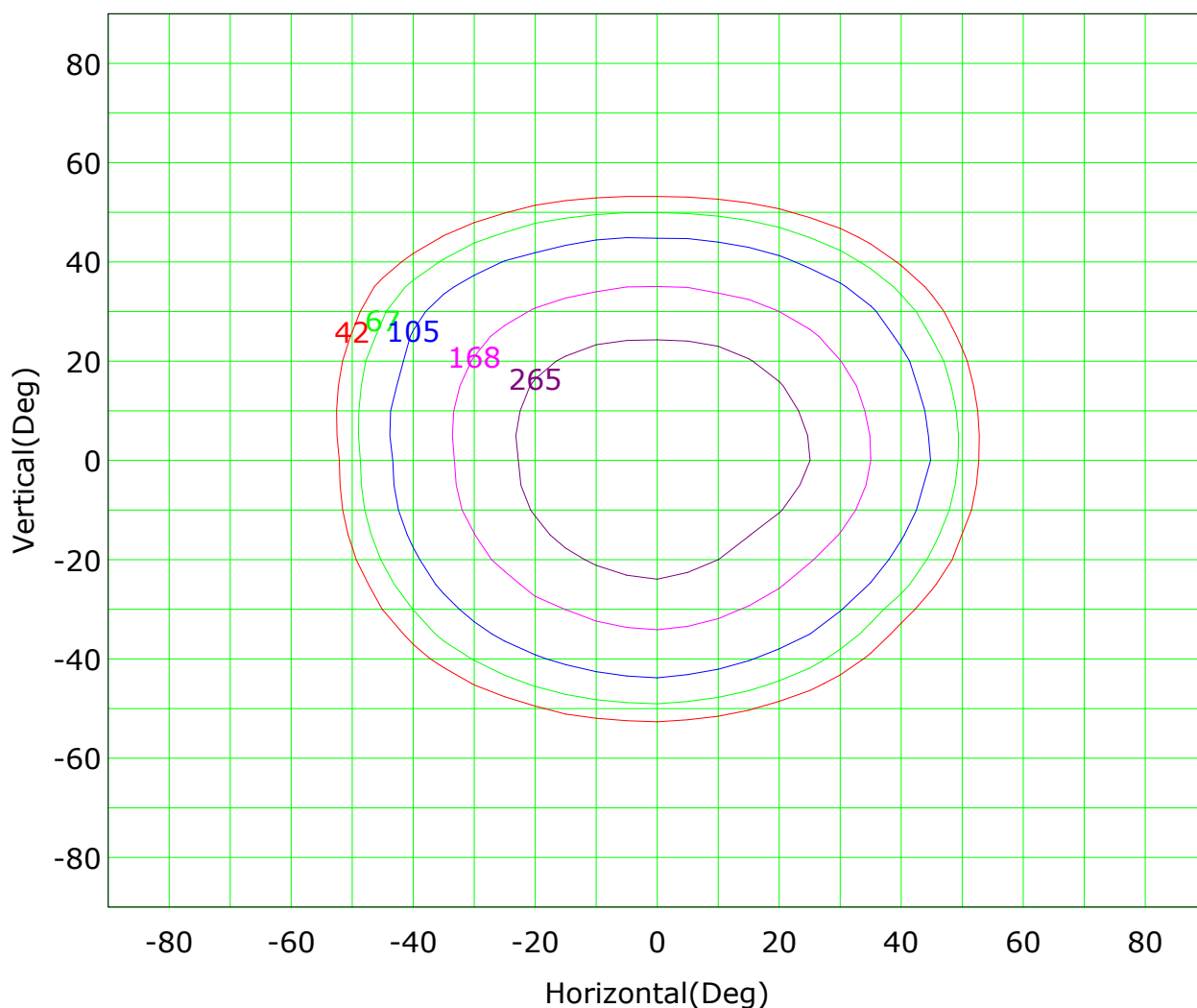
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 420 cd

(10%): 42 cd	(16%): 67 cd
(25%): 105 cd	(40%): 168 cd
(63%): 265 cd	(100%): 420 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

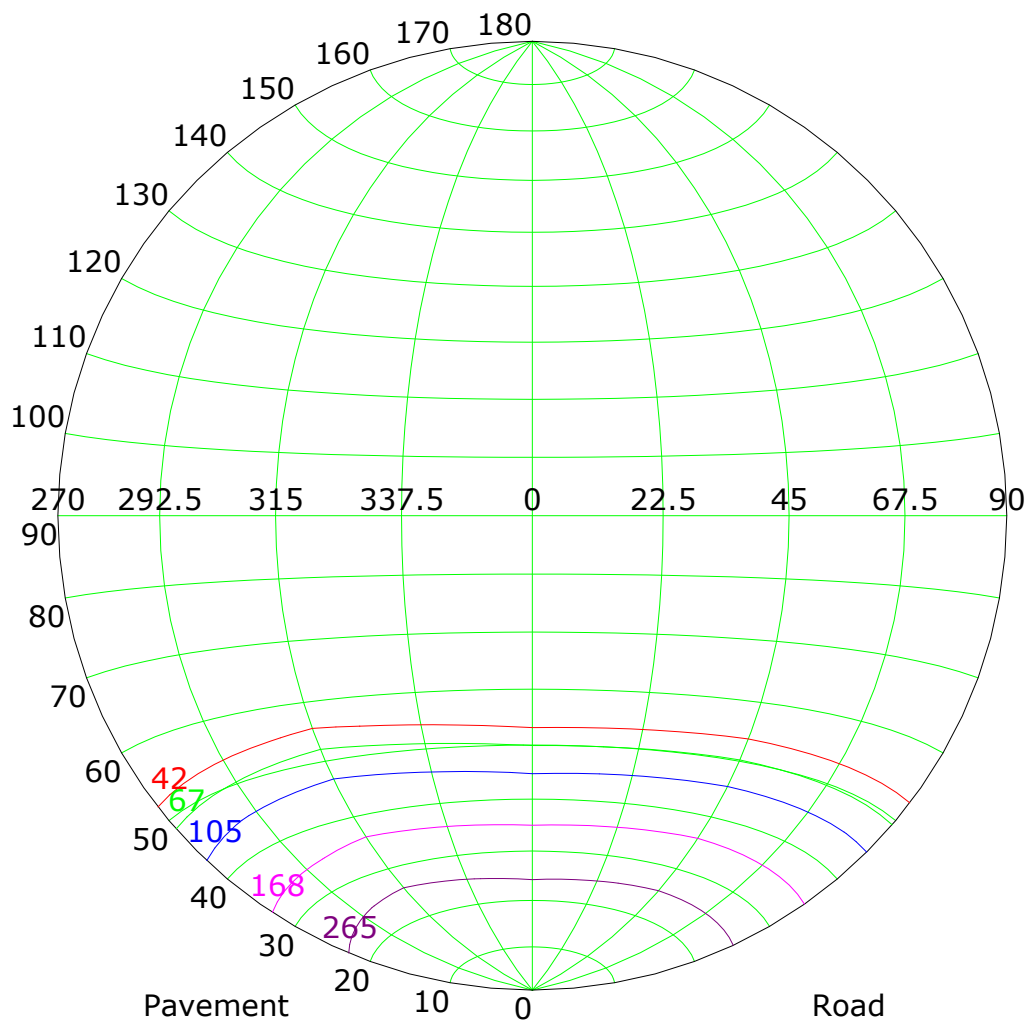
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 420 cd

(10%):	42 cd	(16%):	67 cd
(25%):	105 cd	(40%):	168 cd
(63%):	265 cd	(100%):	420 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

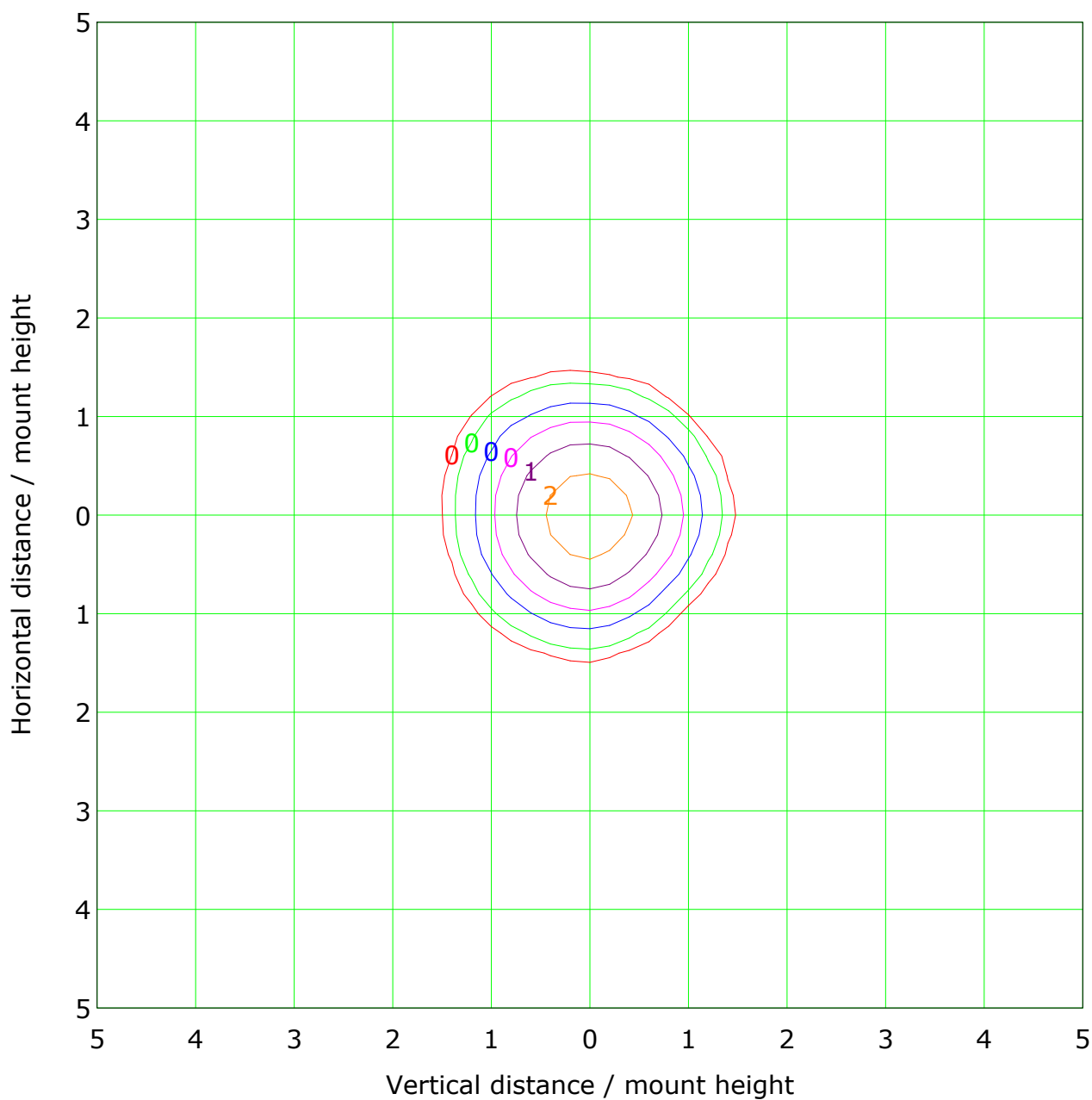
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.2 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.8 lx	(50%): 2.1 lx
(100%): 4.2 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

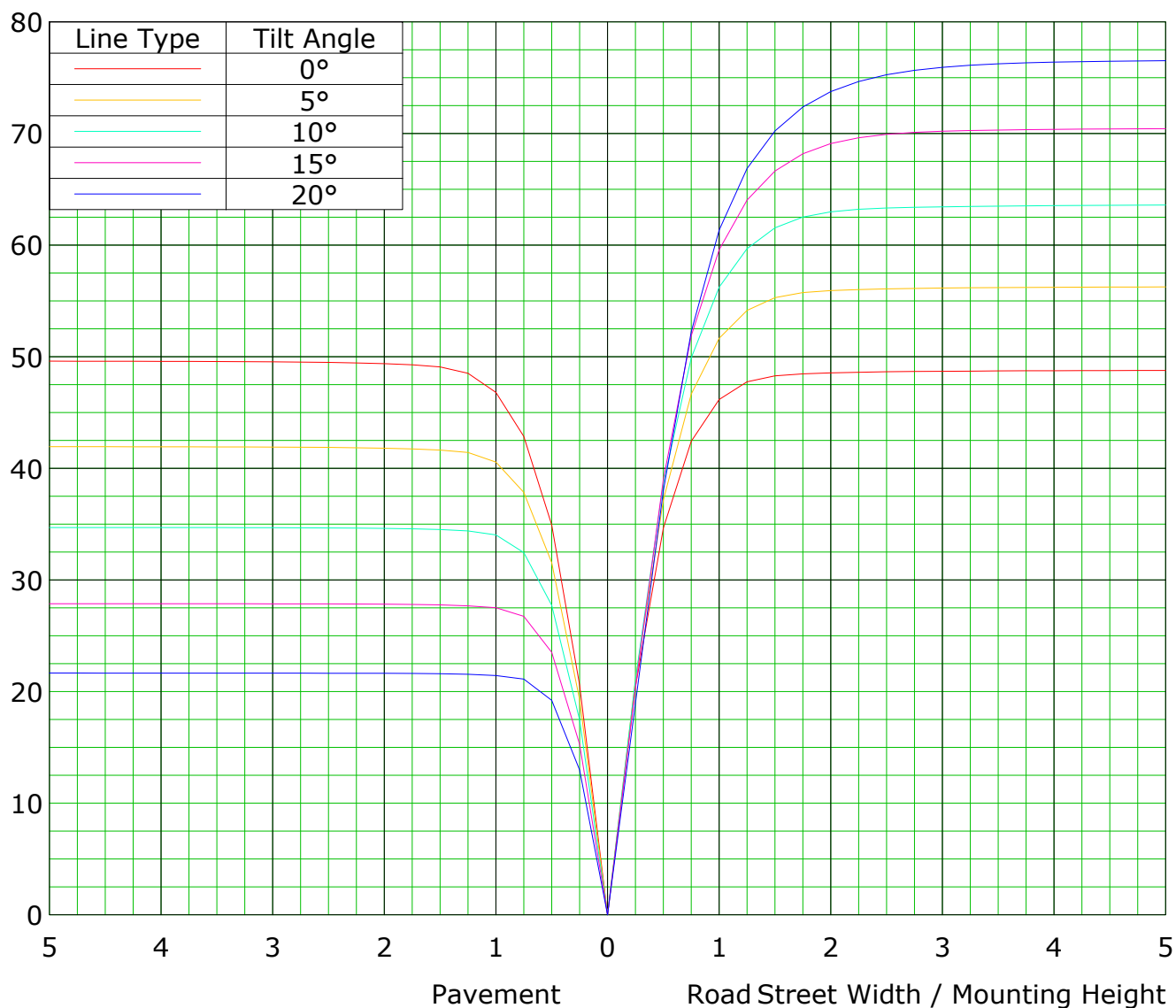
Distance: 8.177 m

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

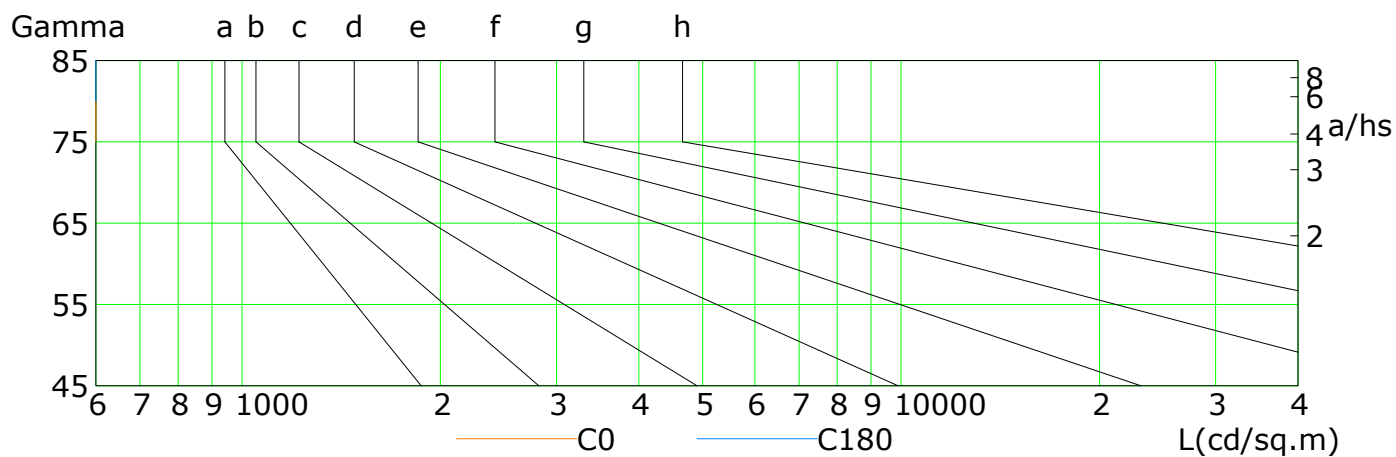
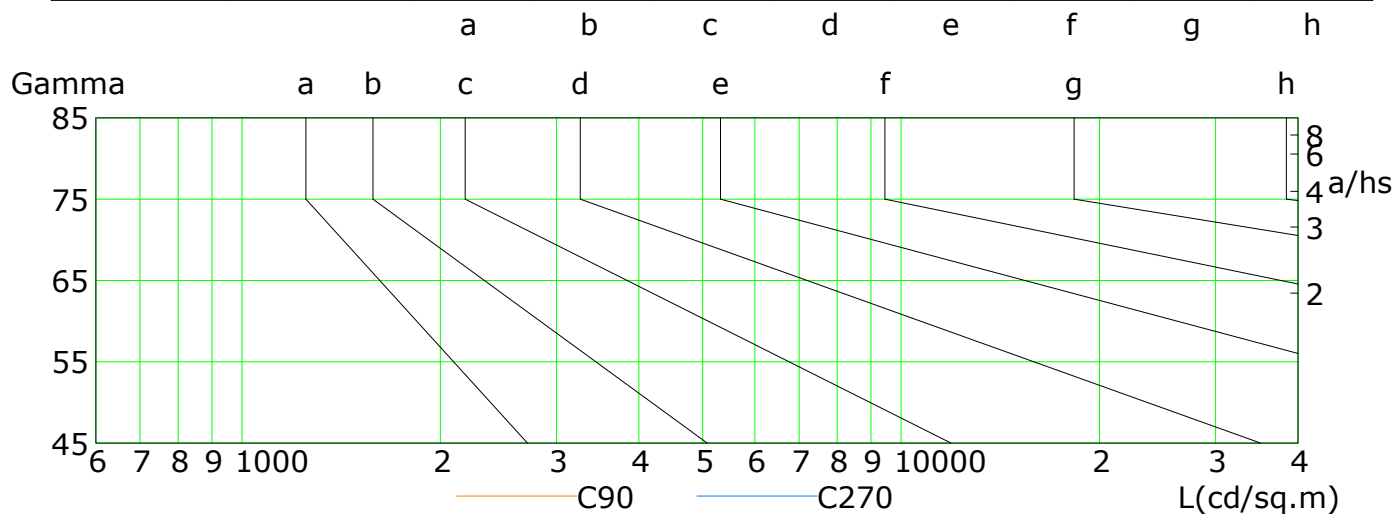
Distance: 8.177 m

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	104	67	28	5	3	1	0	0	1
C90	104	62	26	6	4	2	3	2	0
C180	98	60	26	6	4	3	0	0	0
C270	96	57	22	4	2	5	2	1	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

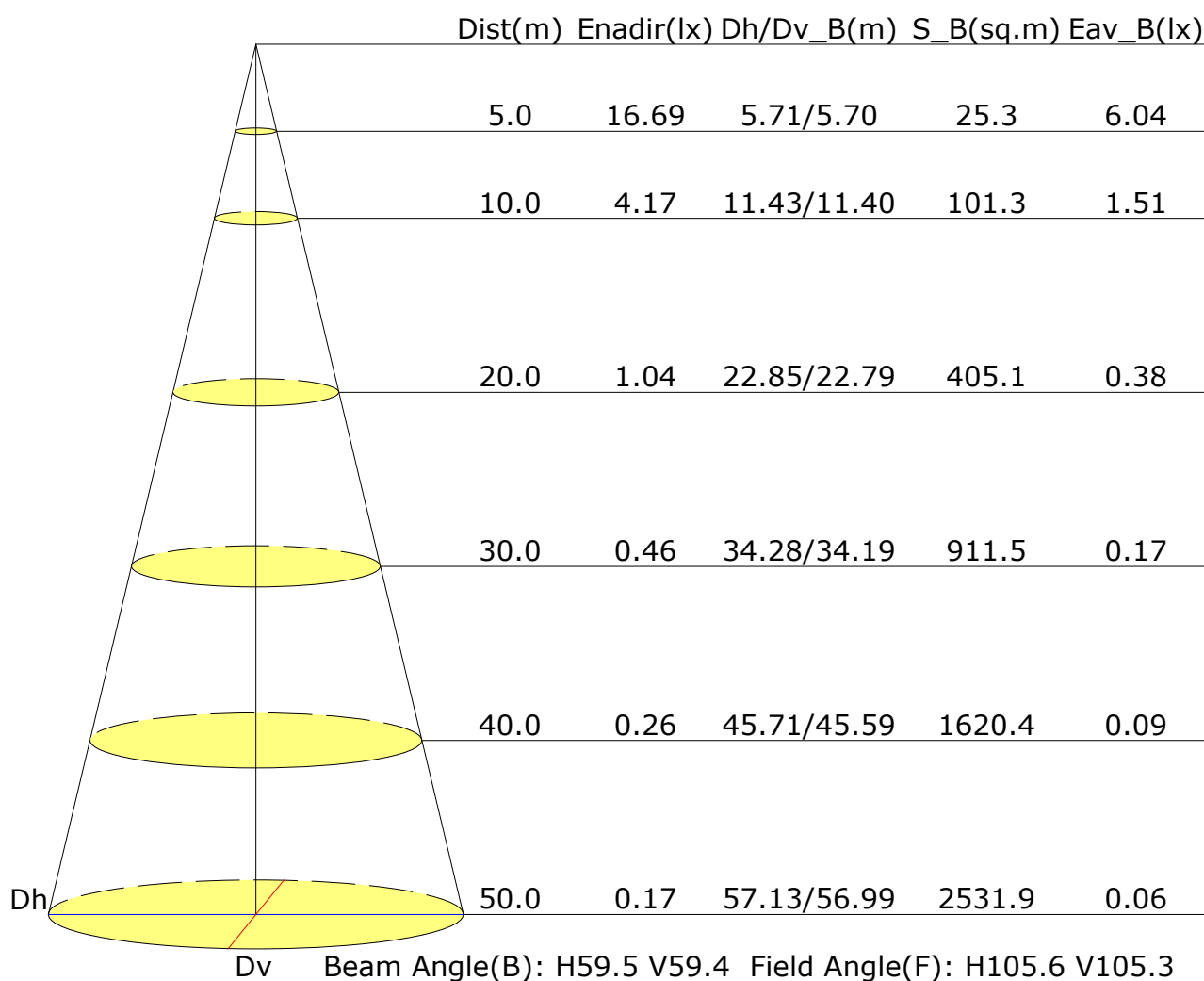
Test Device: GPM-1600

Distance: 8.177 m

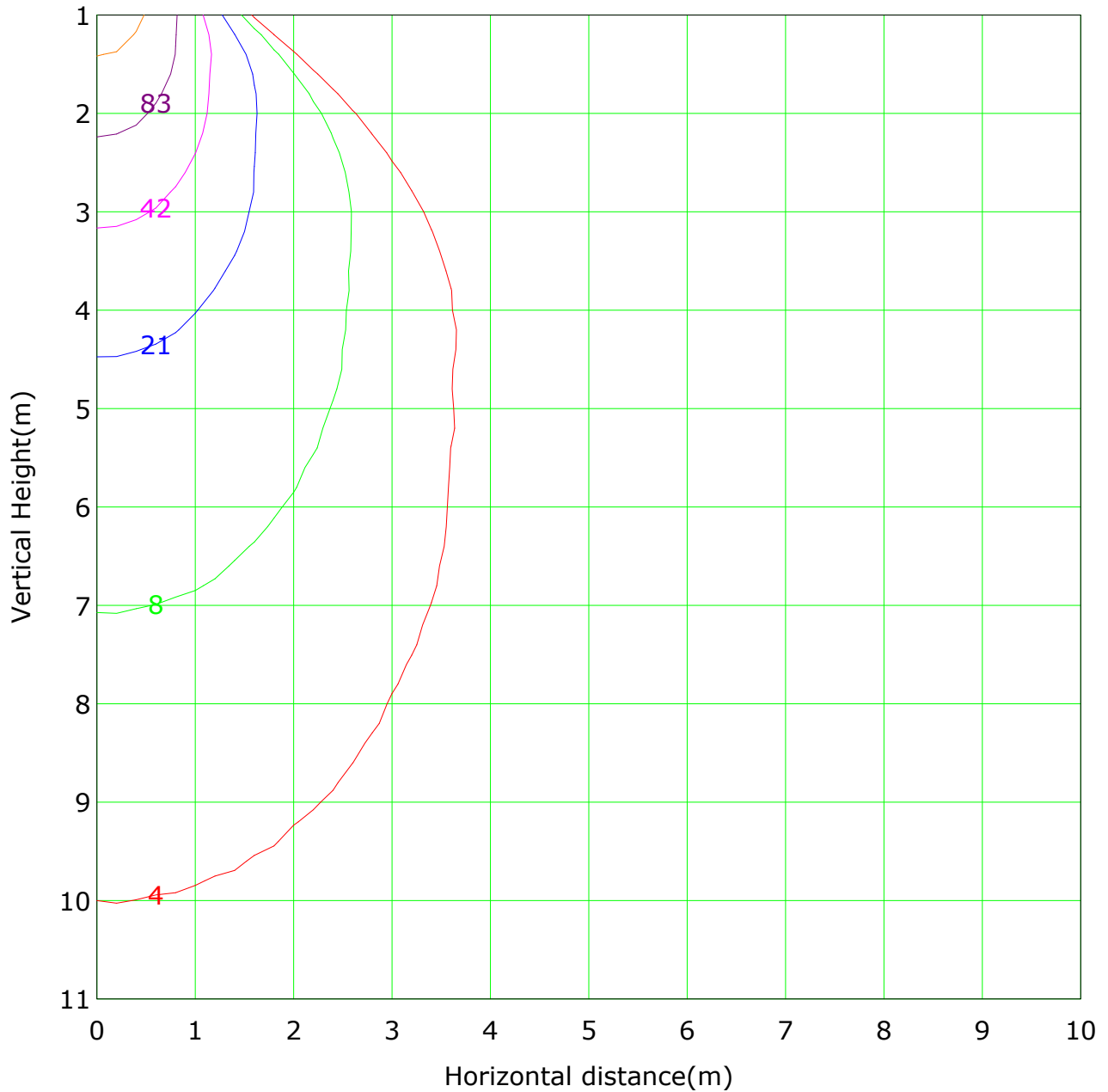
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 417.4 lx

(1%): 4.2 lx (2%): 8.3 lx
 (5%): 20.9 lx (10%): 41.7 lx
 (20%): 83.5 lx (50%): 208.7 lx
 (100%): 417.4 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:

Area Flux Table

Unit: lx

Vertical plane	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

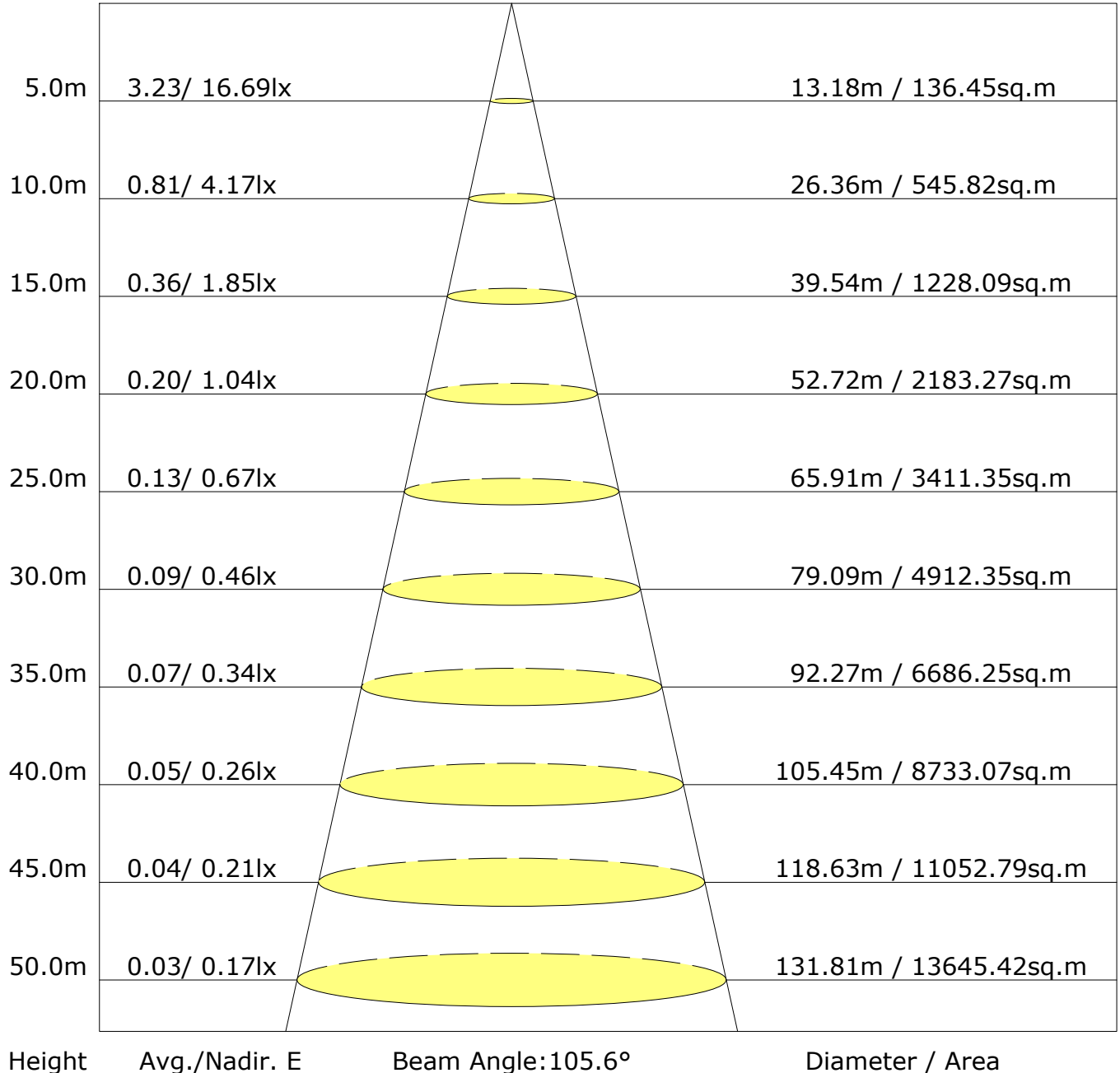
Horizontal plane

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:

The Average Illuminance Effective Figure

Flux Out: 441.27lm



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

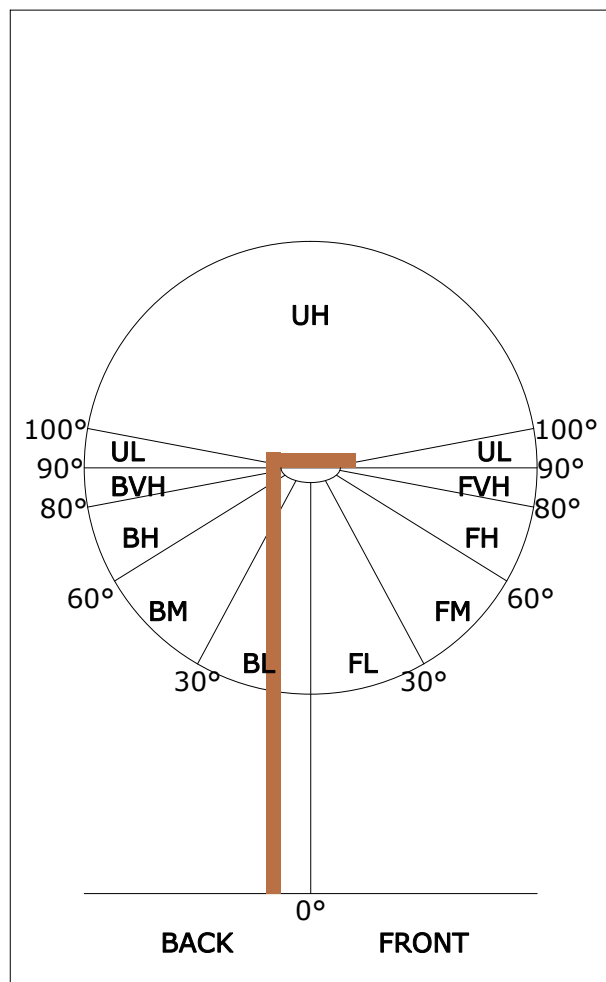
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	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	229	49.2
FL (0°-30°)	126	27.0
FM (30°-60°)	100	21.5
FH (60°-80°)	3	0.7
FVH (80°-90°)	0	0.1
BACK LIGHT	233	50.1
BL (0°-30°)	126	27.0
BM (30°-60°)	104	22.3
BH (60°-80°)	3	0.7
BVH (80°-90°)	0	0.1
UP LIGHT	3	0.7
UL (90°-100°)	0	0.0
UH (100°-180°)	3	0.7
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

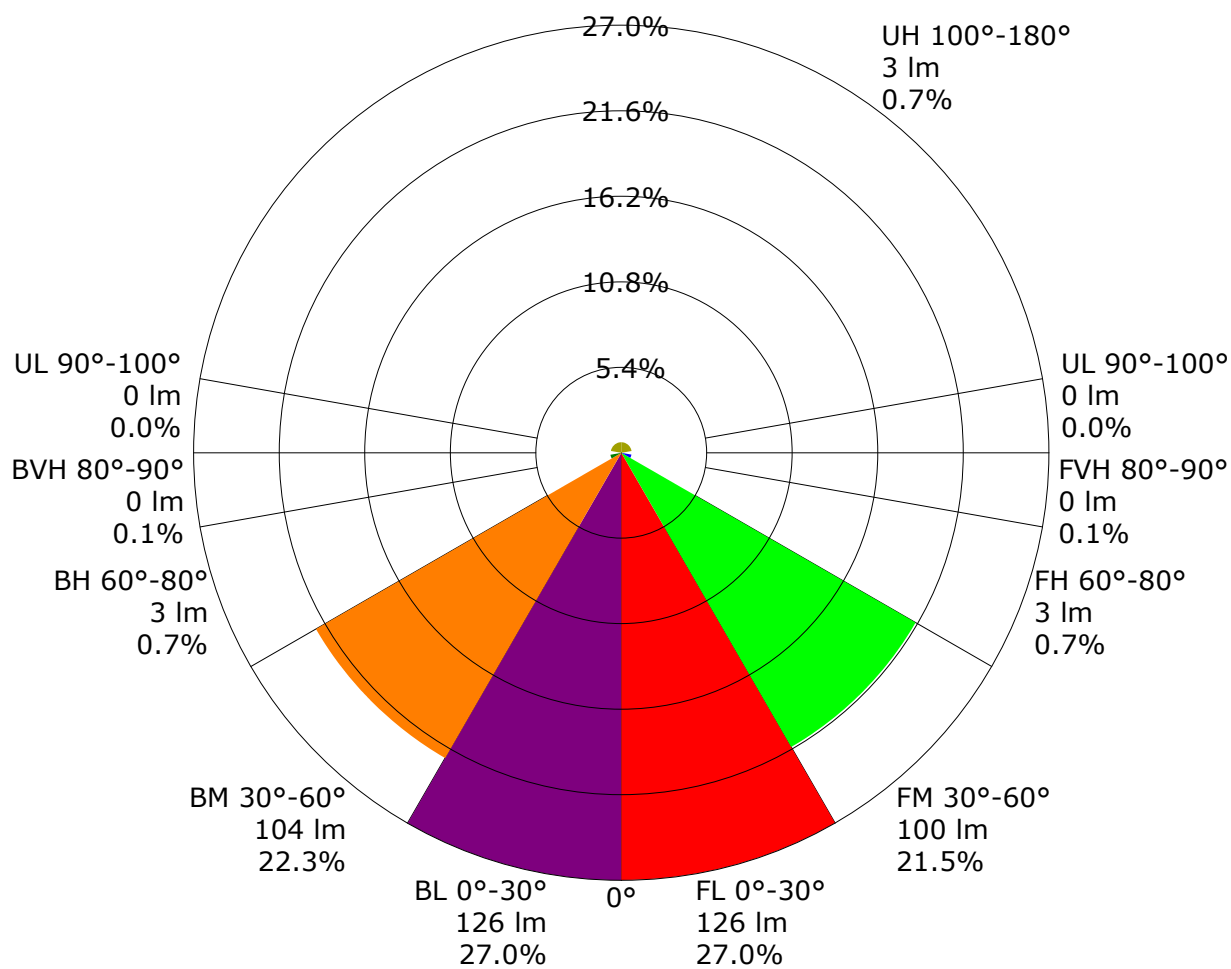
Test Device: GPM-1600

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	0.74	0.83	0.89	0.93	0.98	1.02	1.04	1.07	1.09	
	0.30		0.68	0.77	0.83	0.88	0.94	0.98	1.01	1.04	1.06	
	0.20		0.63	0.73	0.79	0.84	0.90	0.95	0.98	1.02	1.04	
0.50	0.50	0.20	0.72	0.81	0.86	0.90	0.95	0.98	1.00	1.03	1.05	
	0.30		0.67	0.76	0.82	0.86	0.91	0.95	0.97	1.01	1.03	
	0.20		0.63	0.72	0.78	0.83	0.89	0.92	0.95	0.99	1.01	
0.30	0.50	0.20	0.71	0.79	0.84	0.88	0.92	0.95	0.97	0.99	1.01	
	0.30		0.66	0.75	0.80	0.84	0.89	0.92	0.95	0.97	0.99	
	0.20		0.63	0.71	0.77	0.81	0.87	0.90	0.93	0.96	0.98	
0.00	0.00	0.00	0.61	0.69	0.75	0.78	0.83	0.87	0.89	0.91	0.93	
<p>Rating:4W 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	0.75	0.59	0.49	0.42	0.33	0.27	0.23	0.17	0.14	
	0.30		0.62	0.51	0.43	0.37	0.30	0.25	0.21	0.16	0.13	
	0.20		0.53	0.44	0.38	0.33	0.27	0.23	0.20	0.15	0.13	
0.50	0.50	0.20	0.71	0.56	0.47	0.40	0.31	0.29	0.21	0.16	0.13	
	0.30		0.60	0.49	0.41	0.36	0.28	0.23	0.20	0.15	0.13	
	0.20		0.52	0.43	0.37	0.32	0.26	0.22	0.19	0.15	0.12	
0.30	0.50	0.20	0.69	0.54	0.44	0.38	0.29	0.23	0.20	0.15	0.12	
	0.30		0.59	0.47	0.40	0.34	0.27	0.22	0.19	0.14	0.12	
	0.20		0.51	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.11	
0.00	0.00	0.00	0.39	0.31	0.25	0.21	0.16	0.13	0.11	0.08	0.07	
<p>Rating:4W 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>												

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(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	0.15	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	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	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		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18	
0.30	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	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		0.06	0.08	0.10	0.11	0.13	0.14	0.15	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	
<p>Rating:4W 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>												

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

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-0.5	416.7	0.1	0.1	0.02	0.02
0.5-1.0	415.6	0.3	0.4	0.06	0.09
1.0-1.5	414.7	0.5	0.9	0.11	0.19
1.5-2.0	414.3	0.7	1.6	0.15	0.34
2.0-2.5	413.5	0.9	2.5	0.19	0.53
2.5-3.0	412.3	1.1	3.6	0.23	0.77
3.0-3.5	411.3	1.3	4.8	0.27	1.04
3.5-4.0	411.2	1.5	6.3	0.32	1.36
4.0-4.5	410.4	1.7	8.0	0.36	1.72
4.5-5.0	408.6	1.9	9.8	0.40	2.11
5.0-5.5	407.0	2.0	11.9	0.44	2.55
5.5-6.0	405.0	2.2	14.1	0.48	3.03
6.0-6.5	403.0	2.4	16.5	0.52	3.55
6.5-7.0	402.0	2.6	19.1	0.56	4.11
7.0-7.5	400.1	2.8	21.9	0.59	4.70
7.5-8.0	397.8	2.9	24.8	0.63	5.33
8.0-8.5	395.5	3.1	27.9	0.67	6.00
8.5-9.0	392.4	3.3	31.2	0.70	6.70
9.0-9.5	389.4	3.4	34.6	0.74	7.44
9.5-10.0	386.5	3.6	38.2	0.77	8.21
10.0-10.5	383.7	3.7	42.0	0.80	9.02
10.5-11.0	380.4	3.9	45.9	0.84	9.85
11.0-11.5	376.7	4.0	49.9	0.87	10.72
11.5-12.0	373.2	4.2	54.0	0.90	11.62
12.0-12.5	369.6	4.3	58.3	0.92	12.54
12.5-13.0	365.8	4.4	62.8	0.95	13.49
13.0-13.5	362.2	4.6	67.3	0.98	14.47
13.5-14.0	358.0	4.7	72.0	1.00	15.47
14.0-14.5	353.8	4.8	76.8	1.03	16.50
14.5-15.0	350.1	4.9	81.7	1.05	17.55
15.0-15.5	345.8	5.0	86.6	1.07	18.62
15.5-16.0	341.2	5.1	91.7	1.09	19.71
16.0-16.5	336.5	5.2	96.9	1.11	20.82
16.5-17.0	332.0	5.2	102.1	1.13	21.95
17.0-17.5	327.8	5.3	107.5	1.15	23.10
17.5-18.0	323.9	5.4	112.9	1.16	24.26

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	319.5	5.5	118.4	1.18	25.44
18.5-19.0	314.9	5.5	123.9	1.19	26.63
19.0-19.5	310.2	5.6	129.5	1.21	27.84
19.5-20.0	305.1	5.7	135.2	1.21	29.05
20.0-20.5	299.7	5.7	140.9	1.22	30.27
20.5-21.0	295.3	5.7	146.6	1.23	31.51
21.0-21.5	291.0	5.8	152.4	1.24	32.75
21.5-22.0	285.6	5.8	158.2	1.25	34.00
22.0-22.5	280.9	5.8	164.0	1.25	35.25
22.5-23.0	276.1	5.9	169.9	1.26	36.51
23.0-23.5	271.2	5.9	175.7	1.26	37.77
23.5-24.0	266.7	5.9	181.6	1.27	39.04
24.0-24.5	261.6	5.9	187.5	1.27	40.30
24.5-25.0	256.6	5.9	193.4	1.27	41.57
25.0-25.5	251.9	5.9	199.3	1.27	42.84
25.5-26.0	246.9	5.9	205.2	1.26	44.10
26.0-26.5	242.1	5.9	211.1	1.26	45.36
26.5-27.0	236.8	5.8	216.9	1.26	46.62
27.0-27.5	232.0	5.8	222.7	1.25	47.87
27.5-28.0	227.7	5.8	228.5	1.25	49.12
28.0-28.5	222.3	5.8	234.3	1.24	50.36
28.5-29.0	217.2	5.7	240.0	1.23	51.59
29.0-29.5	212.5	5.7	245.7	1.22	52.81
29.5-30.0	207.8	5.7	251.4	1.22	54.03
30.0-30.5	202.9	5.6	257.0	1.20	55.23
30.5-31.0	197.8	5.5	262.5	1.19	56.43
31.0-31.5	192.9	5.5	268.0	1.18	57.60
31.5-32.0	188.1	5.4	273.4	1.17	58.77
32.0-32.5	184.1	5.4	278.8	1.16	59.93
32.5-33.0	180.1	5.3	284.2	1.15	61.08
33.0-33.5	175.9	5.3	289.5	1.14	62.21
33.5-34.0	171.5	5.2	294.7	1.12	63.34
34.0-34.5	167.8	5.2	299.9	1.11	64.45
34.5-35.0	164.4	5.1	305.0	1.10	65.55
35.0-35.5	161.1	5.1	310.1	1.10	66.65
35.5-36.0	157.9	5.1	315.2	1.09	67.74

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	153.3	5.0	320.1	1.07	68.80
36.5-37.0	149.0	4.9	325.0	1.05	69.86
37.0-37.5	146.6	4.9	329.9	1.05	70.90
37.5-38.0	143.6	4.8	334.7	1.04	71.94
38.0-38.5	140.5	4.8	339.5	1.03	72.96
38.5-39.0	138.6	4.8	344.2	1.02	73.98
39.0-39.5	135.3	4.7	348.9	1.01	74.99
39.5-40.0	131.3	4.6	353.5	0.99	75.98
40.0-40.5	128.5	4.6	358.1	0.98	76.96
40.5-41.0	125.9	4.5	362.6	0.97	77.93
41.0-41.5	123.5	4.5	367.0	0.96	78.89
41.5-42.0	120.5	4.4	371.4	0.95	79.83
42.0-42.5	116.3	4.3	375.7	0.92	80.76
42.5-43.0	112.5	4.2	379.9	0.90	81.66
43.0-43.5	109.5	4.1	384.0	0.88	82.54
43.5-44.0	106.7	4.0	388.1	0.87	83.41
44.0-44.5	104.0	4.0	392.1	0.86	84.27
44.5-45.0	101.3	3.9	396.0	0.84	85.11
45.0-45.5	97.7	3.8	399.8	0.82	85.92
45.5-46.0	94.1	3.7	403.5	0.79	86.72
46.0-46.5	90.8	3.6	407.1	0.77	87.49
46.5-47.0	86.9	3.5	410.5	0.75	88.24
47.0-47.5	82.6	3.3	413.9	0.72	88.95
47.5-48.0	79.5	3.2	417.1	0.69	89.64
48.0-48.5	76.0	3.1	420.2	0.67	90.31
48.5-49.0	71.9	3.0	423.2	0.64	90.95
49.0-49.5	68.3	2.8	426.0	0.61	91.56
49.5-50.0	64.1	2.7	428.7	0.58	92.14
50.0-50.5	60.2	2.5	431.2	0.55	92.68
50.5-51.0	56.6	2.4	433.6	0.52	93.20
51.0-51.5	53.0	2.3	435.9	0.49	93.69
51.5-52.0	50.0	2.2	438.1	0.46	94.15
52.0-52.5	46.6	2.0	440.1	0.43	94.58
52.5-53.0	42.9	1.9	441.9	0.40	94.99
53.0-53.5	39.0	1.7	443.7	0.37	95.35
53.5-54.0	35.3	1.6	445.2	0.34	95.69

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	32.3	1.4	446.7	0.31	96.00
54.5-55.0	28.7	1.3	447.9	0.28	96.27
55.0-55.5	25.4	1.1	449.1	0.25	96.52
55.5-56.0	22.8	1.0	450.1	0.22	96.74
56.0-56.5	20.3	0.9	451.0	0.20	96.94
56.5-57.0	17.7	0.8	451.9	0.17	97.12
57.0-57.5	15.6	0.7	452.6	0.15	97.27
57.5-58.0	13.8	0.6	453.2	0.14	97.41
58.0-58.5	12.0	0.6	453.8	0.12	97.53
58.5-59.0	10.3	0.5	454.3	0.10	97.63
59.0-59.5	8.7	0.4	454.7	0.09	97.72
59.5-60.0	7.2	0.3	455.0	0.07	97.79
60.0-60.5	6.7	0.3	455.3	0.07	97.86
60.5-61.0	6.7	0.3	455.6	0.07	97.93
61.0-61.5	6.0	0.3	455.9	0.06	97.99
61.5-62.0	5.4	0.3	456.2	0.06	98.05
62.0-62.5	5.3	0.3	456.4	0.06	98.10
62.5-63.0	5.1	0.3	456.7	0.05	98.16
63.0-63.5	4.7	0.2	456.9	0.05	98.21
63.5-64.0	4.5	0.2	457.1	0.05	98.25
64.0-64.5	4.5	0.2	457.4	0.05	98.30
64.5-65.0	4.4	0.2	457.6	0.05	98.35
65.0-65.5	4.8	0.2	457.8	0.05	98.40
65.5-66.0	4.9	0.2	458.1	0.05	98.45
66.0-66.5	4.1	0.2	458.3	0.04	98.50
66.5-67.0	3.7	0.2	458.5	0.04	98.54
67.0-67.5	4.1	0.2	458.7	0.04	98.58
67.5-68.0	3.6	0.2	458.9	0.04	98.62
68.0-68.5	3.5	0.2	459.0	0.04	98.66
68.5-69.0	3.7	0.2	459.2	0.04	98.70
69.0-69.5	3.4	0.2	459.4	0.04	98.74
69.5-70.0	3.2	0.2	459.6	0.04	98.77
70.0-70.5	2.6	0.1	459.7	0.03	98.80
70.5-71.0	2.7	0.1	459.8	0.03	98.83
71.0-71.5	2.9	0.2	460.0	0.03	98.86
71.5-72.0	2.6	0.1	460.1	0.03	98.89

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	460.3	0.03	98.92
72.5-73.0	2.6	0.1	460.4	0.03	98.95
73.0-73.5	2.1	0.1	460.5	0.02	98.97
73.5-74.0	2.2	0.1	460.6	0.02	99.00
74.0-74.5	2.4	0.1	460.7	0.03	99.03
74.5-75.0	1.8	0.1	460.8	0.02	99.05
75.0-75.5	1.5	0.1	460.9	0.02	99.06
75.5-76.0	1.4	0.1	461.0	0.02	99.08
76.0-76.5	1.1	0.1	461.0	0.01	99.09
76.5-77.0	0.9	0.1	461.1	0.01	99.10
77.0-77.5	1.2	0.1	461.2	0.01	99.12
77.5-78.0	1.4	0.1	461.2	0.02	99.13
78.0-78.5	1.3	0.1	461.3	0.01	99.15
78.5-79.0	1.0	0.1	461.4	0.01	99.16
79.0-79.5	0.7	0.0	461.4	0.01	99.17
79.5-80.0	1.0	0.1	461.5	0.01	99.18
80.0-80.5	1.1	0.1	461.5	0.01	99.19
80.5-81.0	0.8	0.0	461.6	0.01	99.20
81.0-81.5	0.9	0.0	461.6	0.01	99.21
81.5-82.0	1.1	0.1	461.7	0.01	99.23
82.0-82.5	0.6	0.0	461.7	0.01	99.23
82.5-83.0	0.5	0.0	461.7	0.01	99.24
83.0-83.5	0.6	0.0	461.8	0.01	99.25
83.5-84.0	0.6	0.0	461.8	0.01	99.25
84.0-84.5	0.6	0.0	461.8	0.01	99.26
84.5-85.0	0.3	0.0	461.8	0.00	99.26
85.0-85.5	0.3	0.0	461.9	0.00	99.27
85.5-86.0	0.3	0.0	461.9	0.00	99.27
86.0-86.5	0.3	0.0	461.9	0.00	99.27
86.5-87.0	0.3	0.0	461.9	0.00	99.28
87.0-87.5	0.3	0.0	461.9	0.00	99.28
87.5-88.0	0.3	0.0	461.9	0.00	99.28
88.0-88.5	0.2	0.0	462.0	0.00	99.29
88.5-89.0	0.1	0.0	462.0	0.00	99.29
89.0-89.5	0.1	0.0	462.0	0.00	99.29
89.5-90.0	0.1	0.0	462.0	0.00	99.29

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	0.1	0.0	462.0	0.00	99.29
90.5-91.0	0.1	0.0	462.0	0.00	99.29
91.0-91.5	0.1	0.0	462.0	0.00	99.29
91.5-92.0	0.2	0.0	462.0	0.00	99.30
92.0-92.5	0.1	0.0	462.0	0.00	99.30
92.5-93.0	0.1	0.0	462.0	0.00	99.30
93.0-93.5	0.2	0.0	462.0	0.00	99.30
93.5-94.0	0.1	0.0	462.0	0.00	99.30
94.0-94.5	0.1	0.0	462.0	0.00	99.30
94.5-95.0	0.2	0.0	462.0	0.00	99.30
95.0-95.5	0.2	0.0	462.0	0.00	99.31
95.5-96.0	0.2	0.0	462.1	0.00	99.31
96.0-96.5	0.2	0.0	462.1	0.00	99.31
96.5-97.0	0.2	0.0	462.1	0.00	99.31
97.0-97.5	0.1	0.0	462.1	0.00	99.32
97.5-98.0	0.1	0.0	462.1	0.00	99.32
98.0-98.5	0.2	0.0	462.1	0.00	99.32
98.5-99.0	0.2	0.0	462.1	0.00	99.32
99.0-99.5	0.1	0.0	462.1	0.00	99.32
99.5-100.0	0.1	0.0	462.1	0.00	99.32
100.0-100.5	0.1	0.0	462.1	0.00	99.33
100.5-101.0	0.2	0.0	462.1	0.00	99.33
101.0-101.5	0.2	0.0	462.2	0.00	99.33
101.5-102.0	0.2	0.0	462.2	0.00	99.33
102.0-102.5	0.4	0.0	462.2	0.00	99.34
102.5-103.0	0.3	0.0	462.2	0.00	99.34
103.0-103.5	0.2	0.0	462.2	0.00	99.34
103.5-104.0	0.4	0.0	462.2	0.00	99.35
104.0-104.5	0.4	0.0	462.3	0.00	99.35
104.5-105.0	0.4	0.0	462.3	0.00	99.36
105.0-105.5	0.6	0.0	462.3	0.01	99.36
105.5-106.0	0.4	0.0	462.3	0.00	99.37
106.0-106.5	0.3	0.0	462.3	0.00	99.37
106.5-107.0	0.3	0.0	462.4	0.00	99.37
107.0-107.5	0.4	0.0	462.4	0.00	99.38
107.5-108.0	0.3	0.0	462.4	0.00	99.38

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	0.1	0.0	462.4	0.00	99.38
108.5-109.0	0.1	0.0	462.4	0.00	99.38
109.0-109.5	0.3	0.0	462.4	0.00	99.39
109.5-110.0	0.3	0.0	462.4	0.00	99.39
110.0-110.5	0.2	0.0	462.5	0.00	99.39
110.5-111.0	0.4	0.0	462.5	0.00	99.40
111.0-111.5	0.5	0.0	462.5	0.01	99.40
111.5-112.0	0.3	0.0	462.5	0.00	99.41
112.0-112.5	0.4	0.0	462.5	0.00	99.41
112.5-113.0	0.6	0.0	462.6	0.01	99.42
113.0-113.5	0.4	0.0	462.6	0.00	99.42
113.5-114.0	0.4	0.0	462.6	0.00	99.43
114.0-114.5	0.6	0.0	462.6	0.01	99.43
114.5-115.0	0.4	0.0	462.6	0.00	99.44
115.0-115.5	0.3	0.0	462.7	0.00	99.44
115.5-116.0	0.2	0.0	462.7	0.00	99.44
116.0-116.5	0.4	0.0	462.7	0.00	99.45
116.5-117.0	0.6	0.0	462.7	0.01	99.45
117.0-117.5	0.5	0.0	462.7	0.00	99.46
117.5-118.0	0.3	0.0	462.8	0.00	99.46
118.0-118.5	0.3	0.0	462.8	0.00	99.46
118.5-119.0	0.5	0.0	462.8	0.01	99.47
119.0-119.5	0.4	0.0	462.8	0.00	99.47
119.5-120.0	0.3	0.0	462.8	0.00	99.47
120.0-120.5	0.2	0.0	462.8	0.00	99.48
120.5-121.0	0.1	0.0	462.8	0.00	99.48
121.0-121.5	0.2	0.0	462.9	0.00	99.48
121.5-122.0	0.4	0.0	462.9	0.00	99.48
122.0-122.5	0.3	0.0	462.9	0.00	99.49
122.5-123.0	0.1	0.0	462.9	0.00	99.49
123.0-123.5	0.2	0.0	462.9	0.00	99.49
123.5-124.0	0.3	0.0	462.9	0.00	99.49
124.0-124.5	0.1	0.0	462.9	0.00	99.49
124.5-125.0	0.1	0.0	462.9	0.00	99.49
125.0-125.5	0.2	0.0	462.9	0.00	99.50
125.5-126.0	0.1	0.0	462.9	0.00	99.50

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	0.0	0.0	462.9	0.00	99.50
126.5-127.0	0.1	0.0	462.9	0.00	99.50
127.0-127.5	0.3	0.0	463.0	0.00	99.50
127.5-128.0	0.3	0.0	463.0	0.00	99.50
128.0-128.5	0.2	0.0	463.0	0.00	99.51
128.5-129.0	0.3	0.0	463.0	0.00	99.51
129.0-129.5	0.4	0.0	463.0	0.00	99.51
129.5-130.0	0.3	0.0	463.0	0.00	99.52
130.0-130.5	0.4	0.0	463.0	0.00	99.52
130.5-131.0	0.4	0.0	463.1	0.00	99.52
131.0-131.5	0.5	0.0	463.1	0.00	99.53
131.5-132.0	0.5	0.0	463.1	0.00	99.53
132.0-132.5	0.5	0.0	463.1	0.00	99.54
132.5-133.0	0.4	0.0	463.1	0.00	99.54
133.0-133.5	0.4	0.0	463.1	0.00	99.54
133.5-134.0	0.6	0.0	463.2	0.00	99.55
134.0-134.5	0.6	0.0	463.2	0.01	99.55
134.5-135.0	0.7	0.0	463.2	0.01	99.56
135.0-135.5	0.7	0.0	463.2	0.01	99.56
135.5-136.0	0.5	0.0	463.3	0.00	99.57
136.0-136.5	0.5	0.0	463.3	0.00	99.57
136.5-137.0	0.6	0.0	463.3	0.00	99.58
137.0-137.5	0.6	0.0	463.3	0.00	99.58
137.5-138.0	0.6	0.0	463.3	0.00	99.59
138.0-138.5	0.6	0.0	463.4	0.00	99.59
138.5-139.0	0.5	0.0	463.4	0.00	99.60
139.0-139.5	0.8	0.0	463.4	0.01	99.60
139.5-140.0	1.3	0.0	463.5	0.01	99.61
140.0-140.5	1.0	0.0	463.5	0.01	99.62
140.5-141.0	0.9	0.0	463.5	0.01	99.63
141.0-141.5	1.1	0.0	463.6	0.01	99.63
141.5-142.0	0.8	0.0	463.6	0.01	99.64
142.0-142.5	0.7	0.0	463.6	0.00	99.64
142.5-143.0	1.1	0.0	463.7	0.01	99.65
143.0-143.5	1.7	0.1	463.7	0.01	99.66
143.5-144.0	1.9	0.1	463.8	0.01	99.68

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	1.4	0.0	463.8	0.01	99.69
144.5-145.0	1.2	0.0	463.9	0.01	99.70
145.0-145.5	1.5	0.0	463.9	0.01	99.71
145.5-146.0	1.4	0.0	463.9	0.01	99.72
146.0-146.5	1.1	0.0	464.0	0.01	99.72
146.5-147.0	1.1	0.0	464.0	0.01	99.73
147.0-147.5	1.2	0.0	464.0	0.01	99.74
147.5-148.0	1.3	0.0	464.1	0.01	99.75
148.0-148.5	0.9	0.0	464.1	0.01	99.75
148.5-149.0	0.9	0.0	464.1	0.01	99.76
149.0-149.5	0.8	0.0	464.2	0.00	99.76
149.5-150.0	0.7	0.0	464.2	0.00	99.76
150.0-150.5	0.9	0.0	464.2	0.01	99.77
150.5-151.0	0.6	0.0	464.2	0.00	99.77
151.0-151.5	0.7	0.0	464.2	0.00	99.78
151.5-152.0	1.3	0.0	464.3	0.01	99.78
152.0-152.5	1.3	0.0	464.3	0.01	99.79
152.5-153.0	0.6	0.0	464.3	0.00	99.80
153.0-153.5	0.7	0.0	464.3	0.00	99.80
153.5-154.0	0.9	0.0	464.4	0.00	99.80
154.0-154.5	1.1	0.0	464.4	0.01	99.81
154.5-155.0	1.6	0.0	464.4	0.01	99.82
155.0-155.5	1.6	0.0	464.5	0.01	99.83
155.5-156.0	1.3	0.0	464.5	0.01	99.83
156.0-156.5	0.9	0.0	464.5	0.00	99.84
156.5-157.0	1.0	0.0	464.5	0.00	99.84
157.0-157.5	1.4	0.0	464.6	0.01	99.85
157.5-158.0	1.3	0.0	464.6	0.01	99.85
158.0-158.5	1.0	0.0	464.6	0.00	99.86
158.5-159.0	1.2	0.0	464.6	0.01	99.86
159.0-159.5	1.3	0.0	464.7	0.01	99.87
159.5-160.0	1.3	0.0	464.7	0.01	99.87
160.0-160.5	1.6	0.0	464.7	0.01	99.88
160.5-161.0	1.4	0.0	464.7	0.01	99.88
161.0-161.5	1.4	0.0	464.8	0.01	99.89
161.5-162.0	2.0	0.0	464.8	0.01	99.90

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	1.7	0.0	464.8	0.01	99.90
162.5-163.0	1.5	0.0	464.8	0.01	99.91
163.0-163.5	1.4	0.0	464.9	0.00	99.91
163.5-164.0	1.2	0.0	464.9	0.00	99.92
164.0-164.5	1.4	0.0	464.9	0.00	99.92
164.5-165.0	1.6	0.0	464.9	0.00	99.93
165.0-165.5	1.7	0.0	465.0	0.01	99.93
165.5-166.0	1.6	0.0	465.0	0.00	99.94
166.0-166.5	1.7	0.0	465.0	0.00	99.94
166.5-167.0	1.3	0.0	465.0	0.00	99.94
167.0-167.5	0.7	0.0	465.0	0.00	99.95
167.5-168.0	0.7	0.0	465.0	0.00	99.95
168.0-168.5	1.4	0.0	465.0	0.00	99.95
168.5-169.0	1.7	0.0	465.1	0.00	99.96
169.0-169.5	2.0	0.0	465.1	0.00	99.96
169.5-170.0	2.1	0.0	465.1	0.00	99.96
170.0-170.5	1.7	0.0	465.1	0.00	99.97
170.5-171.0	1.9	0.0	465.1	0.00	99.97
171.0-171.5	1.9	0.0	465.2	0.00	99.97
171.5-172.0	1.0	0.0	465.2	0.00	99.98
172.0-172.5	1.6	0.0	465.2	0.00	99.98
172.5-173.0	2.4	0.0	465.2	0.00	99.98
173.0-173.5	1.7	0.0	465.2	0.00	99.98
173.5-174.0	0.9	0.0	465.2	0.00	99.99
174.0-174.5	1.9	0.0	465.2	0.00	99.99
174.5-175.0	2.6	0.0	465.2	0.00	99.99
175.0-175.5	1.9	0.0	465.2	0.00	99.99
175.5-176.0	1.5	0.0	465.2	0.00	99.99
176.0-176.5	1.5	0.0	465.3	0.00	100.00
176.5-177.0	1.4	0.0	465.3	0.00	100.00
177.0-177.5	1.5	0.0	465.3	0.00	100.00
177.5-178.0	2.4	0.0	465.3	0.00	100.00
178.0-178.5	2.5	0.0	465.3	0.00	100.00
178.5-179.0	1.7	0.0	465.3	0.00	100.00
179.0-179.5	2.0	0.0	465.3	0.00	100.00
179.5-180.0	2.5	0.0	465.3	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	417.4	419.3	415.7	414.7	417.4	419.3	415.7	414.7	417.4	
G0.5	417.2	419.6	416.0	413.9	419.9	418.6	412.6	415.1	417.2	
G1.0	419.9	415.7	413.8	412.9	417.3	414.0	411.8	411.4	419.9	
G1.5	419.4	420.0	414.0	407.7	417.0	413.4	411.1	415.8	419.4	
G2.0	416.3	415.6	415.5	406.5	419.1	412.6	413.2	411.7	416.3	
G2.5	418.2	415.2	413.7	404.9	418.2	415.4	408.8	411.6	418.2	
G3.0	414.7	414.7	414.3	403.6	414.9	410.4	407.2	411.3	414.7	
G3.5	413.9	418.4	412.6	406.1	413.8	409.0	405.5	410.6	413.9	
G4.0	415.5	417.6	412.0	400.3	415.3	411.0	403.7	414.0	415.5	
G4.5	414.3	416.8	411.8	398.2	413.9	406.1	405.9	409.4	414.3	
G5.0	410.1	411.6	410.6	396.1	412.5	407.6	400.1	412.3	410.1	
G5.5	411.4	410.6	409.2	393.8	410.9	405.7	398.2	411.1	411.4	
G6.0	407.1	409.4	407.9	391.3	406.6	400.7	395.9	410.2	407.1	
G6.5	404.8	408.1	406.2	388.8	407.3	401.5	393.7	409.0	404.8	
G7.0	402.9	410.5	404.5	389.6	405.3	396.5	395.2	407.6	402.9	
G7.5	400.7	408.7	402.5	386.6	400.5	394.1	392.8	403.1	400.7	
G8.0	401.3	406.8	400.3	383.8	397.9	393.4	390.0	401.6	401.3	
G8.5	398.9	404.6	399.3	380.5	397.9	388.7	382.8	399.8	398.9	
G9.0	393.0	398.7	395.6	373.5	392.7	387.3	384.0	400.4	393.0	
G9.5	390.4	396.4	393.0	370.0	392.4	384.0	380.9	398.0	390.4	
G10.0	390.7	393.8	390.4	366.1	386.7	379.1	377.2	395.5	390.7	
G10.5	387.8	394.0	389.5	365.4	383.6	377.0	369.6	392.7	387.8	
G11.0	384.4	388.0	384.5	358.1	382.8	373.4	365.9	389.8	384.4	
G11.5	380.9	387.6	381.1	353.8	376.3	368.8	366.1	386.2	380.9	
G12.0	374.2	384.7	380.4	349.4	372.8	365.2	362.1	381.9	374.2	
G12.5	370.4	378.4	376.9	347.1	371.6	361.3	358.2	378.6	370.4	
G13.0	366.8	377.7	373.4	340.6	365.2	357.5	353.9	375.3	366.8	
G13.5	366.3	373.7	369.6	335.6	363.8	353.7	349.8	372.7	366.3	
G14.0	358.6	370.0	362.4	331.1	359.8	349.6	341.5	369.1	358.6	
G14.5	358.4	366.0	362.0	328.6	352.8	345.1	341.0	365.2	358.4	
G15.0	354.2	360.4	358.1	322.1	348.9	340.7	336.8	361.2	354.2	
G15.5	349.8	357.6	350.3	319.4	347.0	336.3	332.4	357.3	349.8	
G16.0	341.8	352.0	346.1	314.5	342.6	331.9	327.7	353.2	341.8	
G16.5	337.5	347.8	346.0	310.2	335.2	328.6	320.6	349.1	337.5	
G17.0	337.0	343.7	337.6	304.5	330.7	322.7	316.4	344.9	337.0	
G17.5	328.6	339.4	336.9	300.6	329.0	319.8	312.0	340.7	328.6	
G18.0	327.9	335.2	332.5	295.9	324.0	315.1	307.5	337.1	327.9	

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	319.4	330.8	327.8	291.1	319.3	310.4	305.1	333.2	319.4	
G19.0	319.0	326.7	323.1	286.3	311.9	305.6	300.4	328.2	319.0	
G19.5	309.9	321.6	318.7	281.6	309.6	301.0	294.3	325.0	309.9	
G20.0	309.1	317.1	310.1	276.9	304.6	293.1	289.5	319.2	309.1	
G20.5	300.6	312.5	305.4	272.3	296.7	288.3	285.0	314.7	300.6	
G21.0	295.9	306.9	304.9	266.8	294.7	286.5	281.8	312.2	295.9	
G21.5	290.8	302.1	300.1	262.3	289.5	278.4	277.1	305.7	290.8	
G22.0	290.3	297.0	291.0	257.4	281.5	273.2	271.8	301.0	290.3	
G22.5	285.6	292.2	290.5	251.6	276.4	271.6	267.3	296.4	285.6	
G23.0	276.4	288.2	281.3	247.5	271.4	267.1	262.8	291.7	276.4	
G23.5	276.0	283.5	280.1	241.0	266.2	258.3	258.3	289.3	276.0	
G24.0	270.9	278.7	275.0	236.0	261.3	256.6	253.6	282.4	270.9	
G24.5	266.5	274.0	266.5	232.9	256.0	248.1	249.1	277.8	266.5	
G25.0	257.2	269.1	265.3	225.9	253.8	242.9	244.6	276.0	257.2	
G25.5	252.5	264.1	260.2	220.7	248.5	241.6	239.9	268.0	252.5	
G26.0	251.8	256.6	251.4	217.8	240.3	236.5	235.1	265.9	251.8	
G26.5	247.1	254.3	250.1	210.9	235.3	231.4	228.5	260.9	247.1	
G27.0	242.2	246.8	245.1	206.0	230.3	222.5	225.5	252.9	242.2	
G27.5	237.4	244.2	237.0	203.8	227.8	221.6	218.6	251.1	237.4	
G28.0	232.1	239.2	232.1	199.3	222.7	216.7	213.7	246.3	232.1	
G28.5	223.1	234.1	229.6	194.8	217.7	207.4	211.0	237.6	223.1	
G29.0	218.3	229.0	224.4	187.3	213.0	207.2	203.9	236.3	218.3	
G29.5	217.8	224.4	219.3	183.1	208.0	198.1	198.8	231.2	217.8	
G30.0	213.0	219.6	214.3	182.2	203.1	193.5	196.9	222.2	213.0	
G30.5	204.2	214.8	209.3	174.8	195.5	188.8	192.5	221.0	204.2	
G31.0	199.6	206.2	204.4	173.9	193.7	184.4	184.9	216.7	199.6	
G31.5	194.6	201.4	197.8	170.1	186.6	180.1	183.6	208.0	194.6	
G32.0	190.2	200.3	193.5	162.5	182.3	179.8	175.4	203.3	190.2	
G32.5	185.8	192.4	190.0	162.8	177.8	175.4	171.3	202.6	185.8	
G33.0	181.2	191.3	185.4	159.4	173.6	167.4	171.2	193.9	181.2	
G33.5	176.9	186.9	180.8	152.2	169.5	163.4	167.1	194.0	176.9	
G34.0	172.9	178.6	176.1	153.0	168.3	159.4	159.2	185.6	172.9	
G34.5	172.4	178.7	172.1	150.1	161.7	155.9	155.5	185.2	172.4	
G35.0	168.3	174.5	168.1	146.9	160.7	152.3	152.2	176.5	168.3	
G35.5	164.4	170.2	164.4	143.9	157.4	152.8	148.8	177.0	164.4	
G36.0	157.0	166.6	160.9	140.8	154.1	149.6	145.7	173.0	157.0	
G36.5	153.5	158.5	156.5	133.3	148.4	143.0	146.8	164.9	153.5	

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 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	150.3	155.1	153.2	130.2	145.2	140.0	143.8	161.1	150.3	
G37.5	150.4	156.3	149.8	127.2	144.4	140.3	140.9	157.8	150.4	
G38.0	144.0	148.8	147.9	124.3	138.9	134.3	138.0	154.4	144.0	
G38.5	141.1	149.9	145.0	125.4	136.0	134.0	130.7	155.4	141.1	
G39.0	141.5	147.0	140.3	122.4	133.0	131.1	132.3	152.2	141.5	
G39.5	135.5	139.9	139.1	119.3	130.1	126.0	129.3	145.1	135.5	
G40.0	132.8	141.1	133.8	111.8	129.1	123.2	122.7	142.1	132.8	
G40.5	132.7	133.9	130.7	112.5	124.0	122.3	124.0	139.0	132.7	
G41.0	129.9	131.1	130.4	105.3	123.2	117.6	121.3	136.3	129.9	
G41.5	124.7	132.3	127.3	105.6	120.2	114.7	118.4	137.7	124.7	
G42.0	121.8	129.4	121.1	102.0	114.8	111.6	115.6	130.9	121.8	
G42.5	121.1	122.1	117.7	94.5	111.8	109.4	108.8	128.3	121.1	
G43.0	116.1	119.4	114.5	90.7	108.7	105.3	105.8	125.6	116.1	
G43.5	114.8	115.9	114.4	87.0	105.5	102.7	102.8	123.2	114.8	
G44.0	109.8	116.4	111.0	83.1	102.3	98.6	99.8	120.6	109.8	
G44.5	106.7	112.9	103.6	82.2	100.9	95.8	99.6	121.5	106.7	
G45.0	103.5	109.3	103.9	75.5	97.6	92.1	96.2	118.8	103.5	
G45.5	101.3	105.7	96.3	71.5	94.3	88.6	92.8	116.0	101.3	
G46.0	96.9	98.4	96.5	70.4	88.9	85.3	89.1	113.2	96.9	
G46.5	93.0	98.0	92.9	67.0	85.5	82.0	85.4	110.0	93.0	
G47.0	90.5	94.3	84.8	63.5	81.7	78.7	79.1	103.5	90.5	
G47.5	86.1	87.1	81.0	59.9	78.2	75.3	75.3	103.3	86.1	
G48.0	82.7	86.2	81.1	54.2	76.6	71.9	73.6	99.8	82.7	
G48.5	78.9	79.8	77.1	50.9	70.9	66.8	69.3	96.2	78.9	
G49.0	74.8	76.2	73.3	49.1	69.0	64.7	64.1	89.6	74.8	
G49.5	70.8	75.1	69.6	45.5	63.7	59.4	60.5	88.2	70.8	
G50.0	66.5	68.8	61.5	41.4	60.1	55.8	56.6	82.1	66.5	
G50.5	62.6	65.1	62.1	37.8	56.3	54.5	53.1	78.1	62.6	
G51.0	58.6	61.4	54.3	33.1	54.2	51.1	49.6	74.5	58.6	
G51.5	54.4	59.6	50.9	29.6	50.5	47.7	46.2	73.1	54.4	
G52.0	50.4	56.0	51.4	27.2	46.8	44.3	42.8	69.4	50.4	
G52.5	47.4	52.2	47.8	24.1	41.5	40.8	39.3	64.0	47.4	
G53.0	43.8	47.4	44.1	21.2	38.0	37.6	35.9	61.9	43.8	
G53.5	38.7	44.9	36.4	18.2	34.5	31.3	32.5	57.1	38.7	
G54.0	34.6	40.0	36.3	15.5	31.1	31.1	29.0	53.6	34.6	
G54.5	32.9	37.3	32.8	13.1	29.2	24.4	26.1	50.0	32.9	
G55.0	27.7	33.9	25.8	10.8	26.3	21.2	22.0	46.0	27.7	

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	24.2	30.5	22.9	9.5	23.5	18.3	20.9	42.4	24.2	
G56.0	21.4	26.9	23.3	7.4	19.6	15.8	18.4	39.5	21.4	
G56.5	18.5	23.8	17.5	7.3	18.3	17.1	14.0	35.4	18.5	
G57.0	15.9	20.7	15.1	5.6	15.9	14.9	11.7	31.9	15.9	
G57.5	13.4	18.0	13.0	6.2	13.7	12.8	12.2	28.9	13.4	
G58.0	11.3	16.0	11.0	4.5	11.8	11.2	10.7	25.8	11.3	
G58.5	12.4	13.0	9.2	5.8	10.1	10.0	6.5	22.3	12.4	
G59.0	7.6	11.6	7.8	5.8	8.8	9.1	5.6	19.4	7.6	
G59.5	6.3	9.1	6.9	5.8	6.6	4.2	8.0	16.5	6.3	
G60.0	5.3	8.9	6.1	3.6	6.1	3.8	4.2	14.5	5.3	
G60.5	4.6	6.6	5.6	5.7	5.6	7.7	7.3	12.5	4.6	
G61.0	7.7	5.9	6.6	5.6	5.1	3.2	7.4	9.5	7.7	
G61.5	7.6	5.3	6.1	5.6	5.2	3.2	3.4	7.9	7.6	
G62.0	3.7	6.7	5.8	2.8	5.6	7.3	3.0	7.0	3.7	
G62.5	7.3	6.8	5.6	2.6	4.7	2.7	7.1	6.1	7.3	
G63.0	3.3	4.4	5.3	2.5	4.7	7.0	6.9	5.5	3.3	
G63.5	3.1	3.9	4.7	2.3	5.0	2.6	6.6	7.1	3.1	
G64.0	7.0	3.9	4.7	2.1	4.7	2.3	6.6	4.8	7.0	
G64.5	2.7	6.3	4.5	1.9	4.5	2.4	6.5	6.9	2.7	
G65.0	2.5	6.1	4.3	5.2	4.4	6.3	1.9	4.3	2.5	
G65.5	6.6	6.2	4.6	5.1	4.2	5.9	2.0	6.7	6.6	
G66.0	6.4	6.0	3.7	5.0	4.0	2.0	6.1	3.9	6.4	
G66.5	2.2	2.5	3.5	4.9	3.8	5.8	1.8	3.7	2.2	
G67.0	2.0	5.9	4.5	1.0	3.7	1.8	5.8	6.5	2.0	
G67.5	6.1	5.8	4.5	4.8	3.5	1.8	1.5	6.4	6.1	
G68.0	1.7	2.3	2.8	0.7	3.3	5.2	1.5	6.3	1.7	
G68.5	5.8	1.9	4.3	4.5	3.1	4.8	1.4	6.3	5.8	
G69.0	1.4	5.5	4.3	0.4	2.9	1.5	5.0	6.2	1.4	
G69.5	5.6	1.6	4.3	4.3	3.5	4.6	1.3	2.5	5.6	
G70.0	1.2	5.3	1.6	0.0	3.5	1.2	4.6	6.0	1.2	
G70.5	5.2	1.2	1.6	0.0	3.4	4.2	1.1	2.1	5.2	
G71.0	5.1	1.0	1.4	4.0	3.3	4.0	4.2	1.9	5.1	
G71.5	0.7	4.9	3.8	0.0	3.2	3.7	3.9	1.7	0.7	
G72.0	4.7	0.6	0.9	3.7	1.7	1.1	0.9	5.6	4.7	
G72.5	4.6	4.6	0.6	3.6	1.5	1.0	0.9	5.3	4.6	
G73.0	4.4	0.3	0.3	3.4	2.9	3.2	3.3	1.2	4.4	
G73.5	0.3	4.3	3.7	0.0	1.3	1.0	3.0	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 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	4.1	0.0	3.7	3.1	1.0	2.8	0.9	4.9	4.1	
G74.5	0.0	0.0	3.4	3.0	2.7	0.9	2.5	5.0	0.0	
G75.0	0.0	0.0	3.5	2.7	0.5	2.3	2.3	0.7	0.0	
G75.5	0.0	3.8	3.4	0.0	2.5	0.7	2.0	0.3	0.0	
G76.0	3.4	3.6	0.0	0.0	0.3	0.7	0.6	0.4	3.4	
G76.5	3.2	0.0	0.0	0.0	2.1	1.6	1.6	0.3	3.2	
G77.0	0.0	0.0	0.0	2.2	2.2	0.6	1.4	0.0	0.0	
G77.5	0.0	3.2	2.8	2.0	2.1	1.3	0.6	0.1	0.0	
G78.0	2.8	0.0	0.0	1.6	0.0	0.6	0.8	4.0	2.8	
G78.5	0.0	2.9	2.8	1.7	2.0	0.6	0.8	0.0	0.0	
G79.0	0.0	2.8	0.0	1.6	0.0	0.5	0.6	0.0	0.0	
G79.5	0.0	2.5	0.0	0.0	0.0	0.3	0.1	3.4	0.0	
G80.0	0.0	2.4	2.4	1.3	0.0	0.2	0.8	3.3	0.0	
G80.5	0.0	2.3	2.3	1.1	1.7	0.5	0.0	0.0	0.0	
G81.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.9	0.0	
G81.5	1.8	0.0	2.1	0.0	1.6	0.5	1.0	2.7	1.8	
G82.0	0.0	1.8	2.0	0.7	0.0	0.0	1.0	2.5	0.0	
G82.5	1.4	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.4	
G83.0	1.2	0.0	1.8	0.4	1.5	0.0	1.0	0.0	1.2	
G83.5	0.0	1.4	0.0	0.0	0.0	0.5	0.0	2.0	0.0	
G84.0	0.0	1.2	0.0	0.2	1.4	0.3	1.1	1.8	0.0	
G84.5	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.7	0.0	
G85.0	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	
G85.5	0.7	0.8	0.0	0.0	1.3	0.4	0.0	0.0	0.7	
G86.0	0.0	0.6	0.0	0.0	1.1	0.7	0.0	0.0	0.0	
G86.5	0.4	0.3	0.0	0.0	1.3	0.0	0.0	0.0	0.4	
G87.0	0.3	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.3	
G87.5	0.0	0.0	0.8	0.0	0.0	0.0	1.3	0.0	0.0	
G88.0	0.0	0.0	0.7	0.0	0.0	0.8	1.1	0.7	0.0	
G88.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.0	
G89.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G90.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.1	0.0	
G90.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	
G91.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
G91.5	0.0	0.0	0.0	0.0	0.8	0.7	0.0	0.0	0.0	
G92.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	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:

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	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G93.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G93.5	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.0	0.0	
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G94.5	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.0	0.0	
G95.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.0	0.0	
G95.5	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	
G96.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	
G96.5	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.0	
G97.0	0.0	0.0	0.0	0.1	0.9	0.0	0.0	0.0	0.0	
G97.5	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	
G98.0	0.0	0.0	0.0	0.3	0.0	0.9	0.4	0.0	0.0	
G98.5	0.0	0.0	0.0	0.0	0.9	0.0	0.4	0.0	0.0	
G99.0	0.2	0.0	0.0	0.0	0.0	0.8	0.0	0.1	0.2	
G99.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.2	0.0	
G100.0	0.0	0.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	
G100.5	0.0	0.4	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G101.0	0.5	0.4	0.1	0.7	0.0	0.0	0.0	0.0	0.5	
G101.5	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
G102.0	0.0	0.6	0.3	0.9	1.0	0.0	0.0	0.5	0.0	
G102.5	0.7	0.6	0.0	0.0	1.0	0.4	0.0	0.6	0.7	
G103.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.5	
G103.5	0.8	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.8	
G104.0	0.0	0.8	0.0	1.1	1.0	0.3	0.0	0.7	0.0	
G104.5	0.9	0.0	0.7	0.0	0.8	0.0	0.0	0.0	0.9	
G105.0	0.9	0.0	0.0	1.2	1.1	0.4	0.0	0.8	0.9	
G105.5	0.9	0.0	0.9	1.3	1.1	0.1	0.0	0.8	0.9	
G106.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.0	
G106.5	1.0	0.0	0.0	1.3	0.0	0.0	0.0	0.9	1.0	
G107.0	1.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.0	
G107.5	1.1	1.0	0.0	0.0	1.0	0.1	0.0	1.0	1.1	
G108.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	
G108.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G109.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	
G109.5	1.2	1.1	0.0	1.3	0.0	0.0	0.0	0.0	1.2	
G110.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	
G110.5	1.2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.2	

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 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	1.2	0.0	1.0	0.0	1.4	0.0	0.0	0.9	1.2	
G111.5	1.1	1.0	0.0	1.2	0.0	0.0	0.0	0.0	1.1	
G112.0	0.0	1.0	0.0	0.9	0.0	0.0	0.3	0.0	0.0	
G112.5	1.2	0.0	1.0	1.1	0.0	0.0	0.4	0.0	1.2	
G113.0	1.1	0.0	1.2	0.0	1.4	0.0	0.5	0.8	1.1	
G113.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	
G114.0	0.0	0.9	0.0	1.0	1.5	0.0	0.7	0.8	0.0	
G114.5	1.1	0.0	0.8	0.9	1.5	0.0	0.0	0.0	1.1	
G115.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.7	0.0	
G115.5	0.0	0.8	0.9	0.0	0.0	0.0	0.0	0.7	0.0	
G116.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
G116.5	0.9	0.6	0.9	0.8	0.0	0.0	1.0	0.0	0.9	
G117.0	0.0	0.0	0.8	0.7	1.6	0.0	1.1	0.5	0.0	
G117.5	0.9	0.5	0.8	0.7	0.0	0.0	0.0	0.0	0.9	
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.3	0.0	
G118.5	0.6	0.0	0.0	0.6	1.1	0.0	1.2	0.3	0.6	
G119.0	0.7	0.0	0.6	0.5	1.1	0.0	1.3	0.2	0.7	
G119.5	0.0	0.2	0.5	0.5	0.0	0.0	0.0	0.0	0.0	
G120.0	0.0	0.1	0.5	0.0	1.1	0.0	1.3	0.0	0.0	
G120.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	
G121.0	0.0	0.0	0.4	0.0	0.0	0.5	0.0	0.0	0.0	
G121.5	0.0	0.0	0.0	0.0	1.2	0.0	1.3	0.0	0.0	
G122.0	0.2	0.0	0.0	0.2	1.2	0.8	1.4	0.0	0.2	
G122.5	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	
G123.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	
G123.5	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	0.0	
G124.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	0.0	0.0	
G124.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G125.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	
G125.5	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G126.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G127.0	0.0	0.0	0.0	0.0	0.0	1.5	0.9	0.0	0.0	
G127.5	0.0	0.0	0.0	0.0	1.3	1.5	0.0	0.0	0.0	
G128.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	
G128.5	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.0	
G129.0	0.0	0.3	0.0	0.0	1.4	1.6	0.6	0.0	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:

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	0.0	0.0	0.0	0.0	1.7	0.3	0.2	0.0	
G130.0	0.0	0.6	0.0	0.4	1.6	0.0	0.5	0.0	0.0	
G130.5	0.3	0.7	0.0	0.6	0.0	1.7	0.0	0.2	0.3	
G131.0	0.0	0.0	0.0	0.0	1.7	1.8	0.1	0.0	0.0	
G131.5	0.6	0.0	0.0	0.0	1.7	1.8	0.2	0.0	0.6	
G132.0	0.7	0.0	0.0	0.0	0.0	1.8	0.0	0.5	0.7	
G132.5	0.6	1.1	0.6	0.9	0.0	0.0	0.0	0.8	0.6	
G133.0	0.0	0.0	0.0	1.0	0.0	1.9	0.0	0.0	0.0	
G133.5	1.0	0.0	0.8	1.2	0.0	0.0	0.0	0.8	1.0	
G134.0	0.0	0.0	0.0	1.3	1.9	1.9	0.0	0.0	0.0	
G134.5	0.0	1.5	0.0	0.0	0.0	1.9	0.1	1.2	0.0	
G135.0	1.3	1.6	1.1	0.0	1.9	0.0	0.0	1.1	1.3	
G135.5	0.0	1.7	1.3	0.0	2.0	0.0	0.0	0.0	0.0	
G136.0	0.0	1.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	
G136.5	0.0	0.0	0.0	1.7	0.0	1.9	0.0	1.4	0.0	
G137.0	0.0	0.0	0.0	1.9	2.1	0.0	0.0	0.0	0.0	
G137.5	0.0	1.9	0.0	0.0	2.1	0.0	0.9	0.0	0.0	
G138.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	
G138.5	0.0	0.0	0.0	2.1	0.0	0.0	1.0	1.9	0.0	
G139.0	0.0	0.0	0.0	2.1	0.0	0.0	1.3	0.0	0.0	
G139.5	0.0	2.2	2.0	0.0	2.3	1.9	0.0	1.8	0.0	
G140.0	2.2	0.0	2.0	0.0	2.3	1.9	0.0	2.0	2.2	
G140.5	0.0	0.0	0.0	2.3	0.0	1.6	1.7	0.0	0.0	
G141.0	0.0	2.3	0.0	2.4	0.0	0.0	1.8	2.0	0.0	
G141.5	0.0	2.3	0.0	0.0	2.3	0.0	1.9	2.1	0.0	
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.2	0.0	
G142.5	2.5	0.0	0.0	2.6	0.0	1.7	0.0	0.0	2.5	
G143.0	2.5	0.0	2.4	0.0	0.0	1.7	2.3	2.2	2.5	
G143.5	2.5	0.0	2.5	2.7	2.5	1.5	2.3	2.2	2.5	
G144.0	2.6	2.4	2.5	2.7	0.0	0.0	2.4	2.2	2.6	
G144.5	2.7	0.0	2.5	2.8	0.0	0.0	0.0	0.0	2.7	
G145.0	0.0	0.0	0.0	2.8	2.5	1.5	2.5	2.2	0.0	
G145.5	0.0	2.4	2.4	2.8	2.6	0.0	2.6	0.0	0.0	
G146.0	0.0	0.0	0.0	2.8	2.6	0.0	2.7	2.2	0.0	
G146.5	0.0	2.4	2.6	0.0	0.0	0.0	2.7	0.0	0.0	
G147.0	0.0	2.4	0.0	0.0	2.7	1.4	2.7	0.0	0.0	
G147.5	0.0	2.4	2.7	0.0	0.0	0.0	2.8	2.1	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:

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	2.6	0.0	0.0	0.0	2.7	0.1	2.8	2.0	2.6	
G148.5	0.0	0.0	2.5	0.0	0.0	0.2	0.0	2.0	0.0	
G149.0	0.0	2.3	2.7	3.0	0.0	1.2	0.0	0.0	0.0	
G149.5	2.8	0.0	0.0	0.0	0.0	0.4	0.0	0.0	2.8	
G150.0	2.8	0.0	0.0	0.0	2.8	0.6	0.0	1.9	2.8	
G150.5	0.0	2.2	0.0	3.0	0.0	0.7	0.0	0.0	0.0	
G151.0	0.0	2.1	0.0	0.0	0.0	1.0	0.0	0.0	0.0	
G151.5	0.0	0.0	2.7	3.0	0.0	0.9	0.0	1.7	0.0	
G152.0	0.0	2.0	2.6	0.0	2.6	0.9	2.8	1.6	0.0	
G152.5	2.7	0.0	0.0	0.0	2.8	0.8	2.7	0.0	2.7	
G153.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	
G153.5	0.0	1.9	0.0	3.0	2.7	0.7	0.0	1.4	0.0	
G154.0	2.5	0.1	0.0	0.0	0.0	1.5	0.0	0.3	2.5	
G154.5	2.6	0.3	0.0	2.9	2.9	0.6	2.5	1.3	2.6	
G155.0	0.0	0.4	2.5	2.9	2.7	1.8	2.4	0.5	0.0	
G155.5	0.1	1.6	2.4	2.7	2.9	1.9	0.0	0.6	0.1	
G156.0	2.4	0.5	2.4	0.0	0.0	2.0	0.0	0.8	2.4	
G156.5	0.3	1.5	0.1	2.9	0.0	0.3	0.1	0.8	0.3	
G157.0	2.3	1.4	0.2	0.0	2.9	0.3	1.9	1.0	2.3	
G157.5	0.5	1.1	2.3	2.8	0.0	2.4	2.1	1.1	0.5	
G158.0	2.2	1.3	0.4	0.2	0.0	2.4	2.0	0.6	2.2	
G158.5	0.7	1.3	0.5	0.0	0.0	2.5	1.7	0.8	0.7	
G159.0	2.1	0.9	0.6	0.3	2.9	2.4	0.8	1.5	2.1	
G159.5	0.9	1.1	0.7	0.4	2.7	0.0	1.7	1.5	0.9	
G160.0	1.9	1.7	0.8	2.6	2.9	0.0	0.9	0.6	1.9	
G160.5	1.8	0.8	1.9	2.6	3.0	2.7	1.5	0.5	1.8	
G161.0	1.3	0.9	1.9	0.7	0.0	0.0	1.4	1.9	1.3	
G161.5	1.8	2.0	1.1	2.5	0.0	3.2	1.4	2.2	1.8	
G162.0	1.3	2.1	1.8	2.5	3.0	3.0	1.6	2.3	1.3	
G162.5	1.6	0.7	1.7	1.0	0.0	0.0	1.8	2.3	1.6	
G163.0	1.5	2.4	1.5	2.3	3.0	0.0	1.0	2.5	1.5	
G163.5	1.3	0.6	1.6	1.2	0.1	0.0	0.7	2.7	1.3	
G164.0	1.9	0.5	1.7	2.2	0.0	0.0	2.2	2.8	1.9	
G164.5	1.4	2.7	1.4	1.4	3.0	0.0	0.8	0.0	1.4	
G165.0	1.9	0.4	1.4	1.6	0.1	3.5	2.4	2.9	1.9	
G165.5	1.2	0.3	1.8	2.0	0.1	3.6	0.6	3.0	1.2	
G166.0	2.3	3.1	1.2	1.9	0.1	3.7	0.5	0.0	2.3	

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	1.0	0.2	1.1	1.9	0.2	3.7	2.9	3.2	1.0	
G167.0	1.0	0.2	0.9	1.7	3.1	0.0	0.3	0.0	1.0	
G167.5	0.9	0.1	1.0	1.6	0.2	0.0	0.3	0.0	0.9	
G168.0	0.9	0.1	0.9	1.6	0.3	0.0	0.2	3.4	0.9	
G168.5	0.8	3.5	0.7	2.2	0.3	3.8	0.1	3.5	0.8	
G169.0	0.8	0.0	2.8	2.3	3.2	3.9	0.1	0.0	0.8	
G169.5	3.0	0.0	2.9	2.5	3.2	0.0	3.5	3.6	3.0	
G170.0	3.1	3.7	0.7	1.2	3.2	0.0	0.0	3.6	3.1	
G170.5	0.6	0.0	3.1	1.2	3.2	0.0	0.0	3.7	0.6	
G171.0	0.5	0.0	3.2	1.1	3.2	3.7	3.7	3.7	0.5	
G171.5	3.4	0.0	0.6	2.8	0.2	0.0	0.0	3.6	3.4	
G172.0	0.4	3.9	0.4	0.9	0.4	0.0	0.0	0.0	0.4	
G172.5	0.4	3.9	0.3	0.7	3.3	3.9	3.7	3.8	0.4	
G173.0	0.4	0.0	0.3	3.1	3.4	3.9	4.0	3.8	0.4	
G173.5	0.3	0.0	3.6	3.2	0.5	0.0	0.0	0.0	0.3	
G174.0	3.7	0.0	0.2	3.1	0.2	0.0	0.0	0.0	3.7	
G174.5	3.8	4.1	3.8	3.3	0.5	3.7	4.1	0.0	3.8	
G175.0	0.2	0.0	3.8	3.4	3.3	3.6	4.0	0.0	0.2	
G175.5	0.2	0.0	0.1	0.3	3.5	3.5	4.0	0.0	0.2	
G176.0	4.0	0.0	3.8	3.6	0.2	0.5	0.0	0.0	4.0	
G176.5	0.1	0.0	0.0	3.8	0.4	0.4	3.9	3.8	0.1	
G177.0	4.1	0.0	0.0	0.2	0.4	0.8	3.8	0.1	4.1	
G177.5	0.0	3.8	4.1	0.2	3.8	3.0	0.3	0.3	0.0	
G178.0	4.2	3.9	0.0	3.9	3.8	2.7	0.4	3.4	4.2	
G178.5	4.2	0.3	3.9	0.0	3.9	1.4	0.6	3.2	4.2	
G179.0	0.1	1.0	0.5	0.0	0.3	2.3	3.0	3.0	0.1	
G179.5	3.4	2.1	2.5	3.8	4.1	1.8	1.0	2.7	3.4	
G180.0	2.5	3.3	1.6	0.7	4.2	2.8	1.5	2.3	2.5	

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: