

Report No.: 202601200801

Test Time: 2026-01-20 08:11

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ASD-LPR-9D18WH-5000K

Voltage: 121.3 V

Current: 0.155 A

Power: 18.15 W

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 1644.3 lm

Downward Ratio: 97%

Total Rated Lamp Lumens: 1644.3 lm

Efficiency: 100%

Upward Ratio: 3%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.4, 163.6, 163.9, 164.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.8, 113.0, 113.3, 113.4

Luminaire Efficacy Rating (LER): 90.65

Central Intensity: 553.7 cd

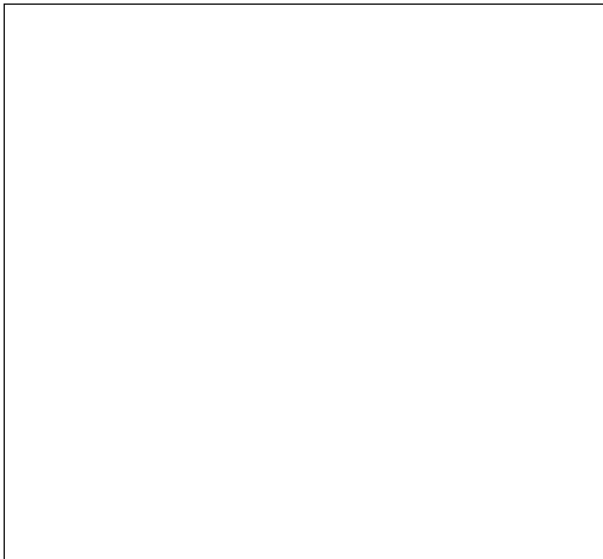
Max. Intensity: 553.71 cd

Pos of Max. Intensity: H0 V0

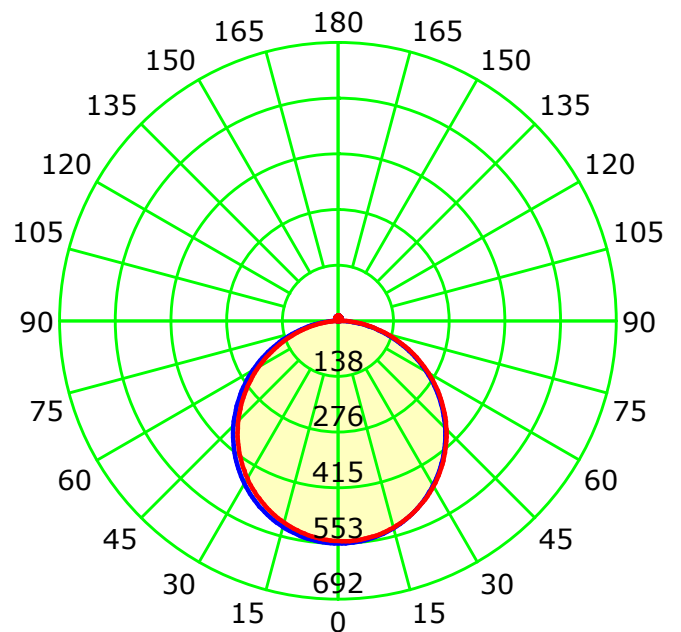
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.4°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

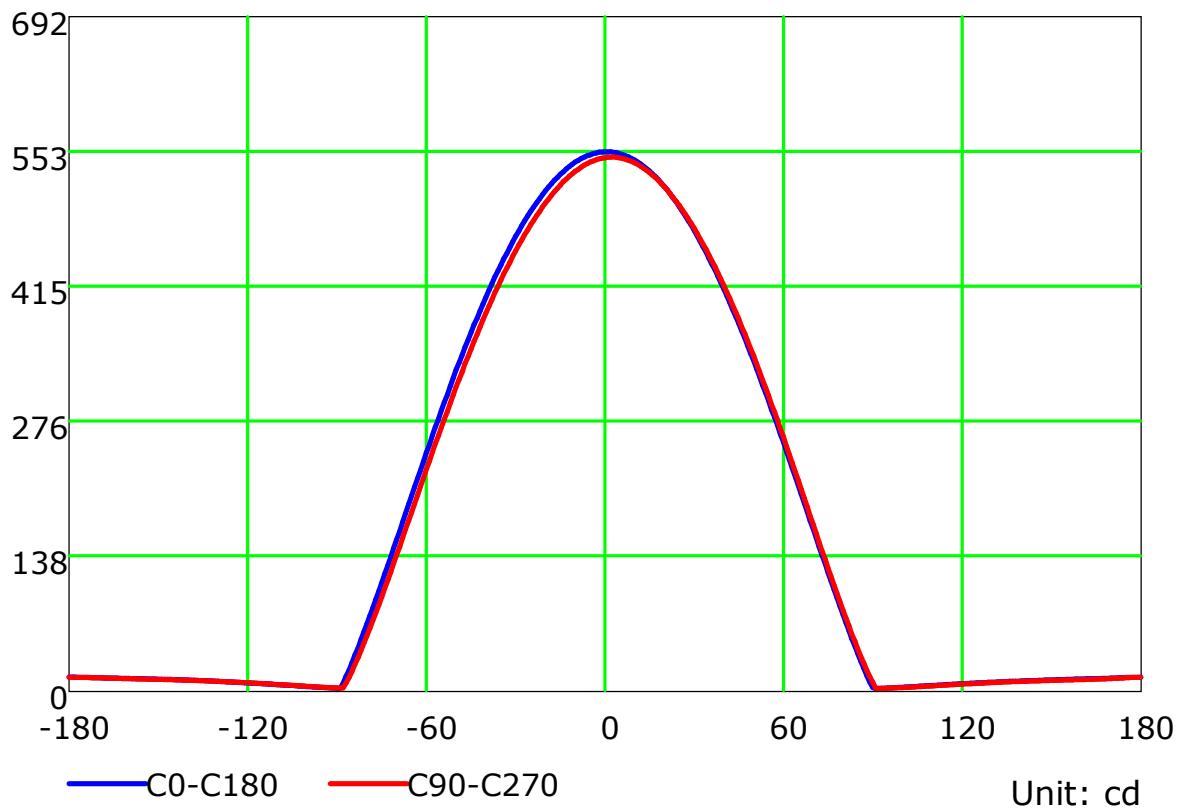
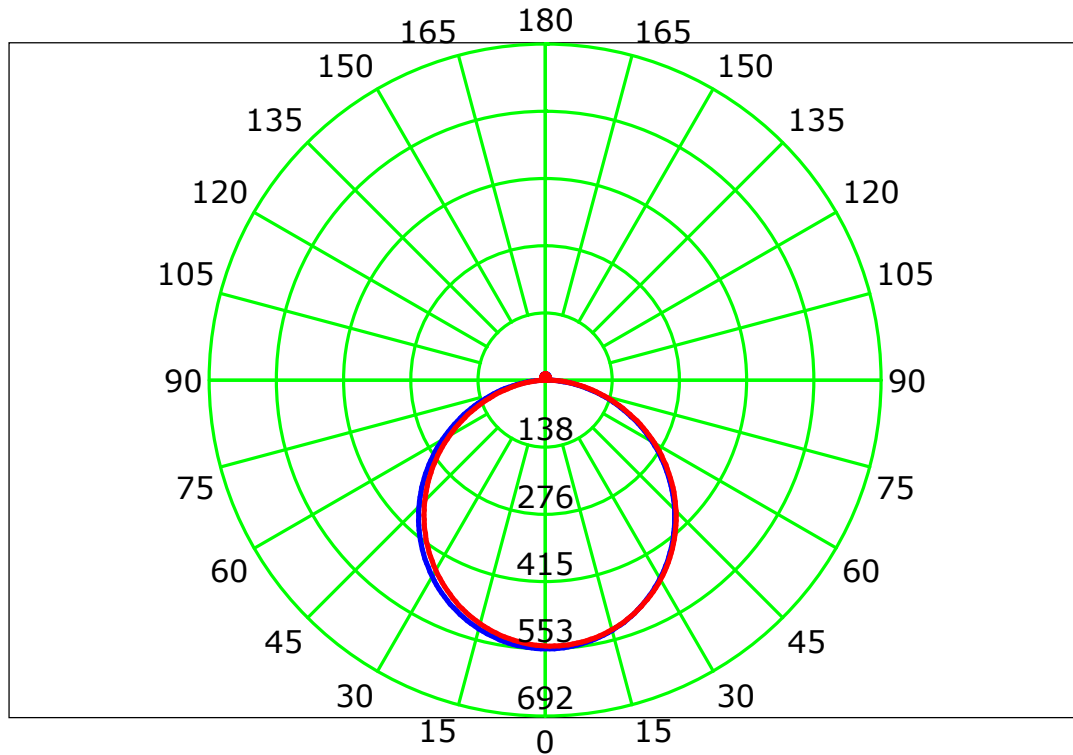
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

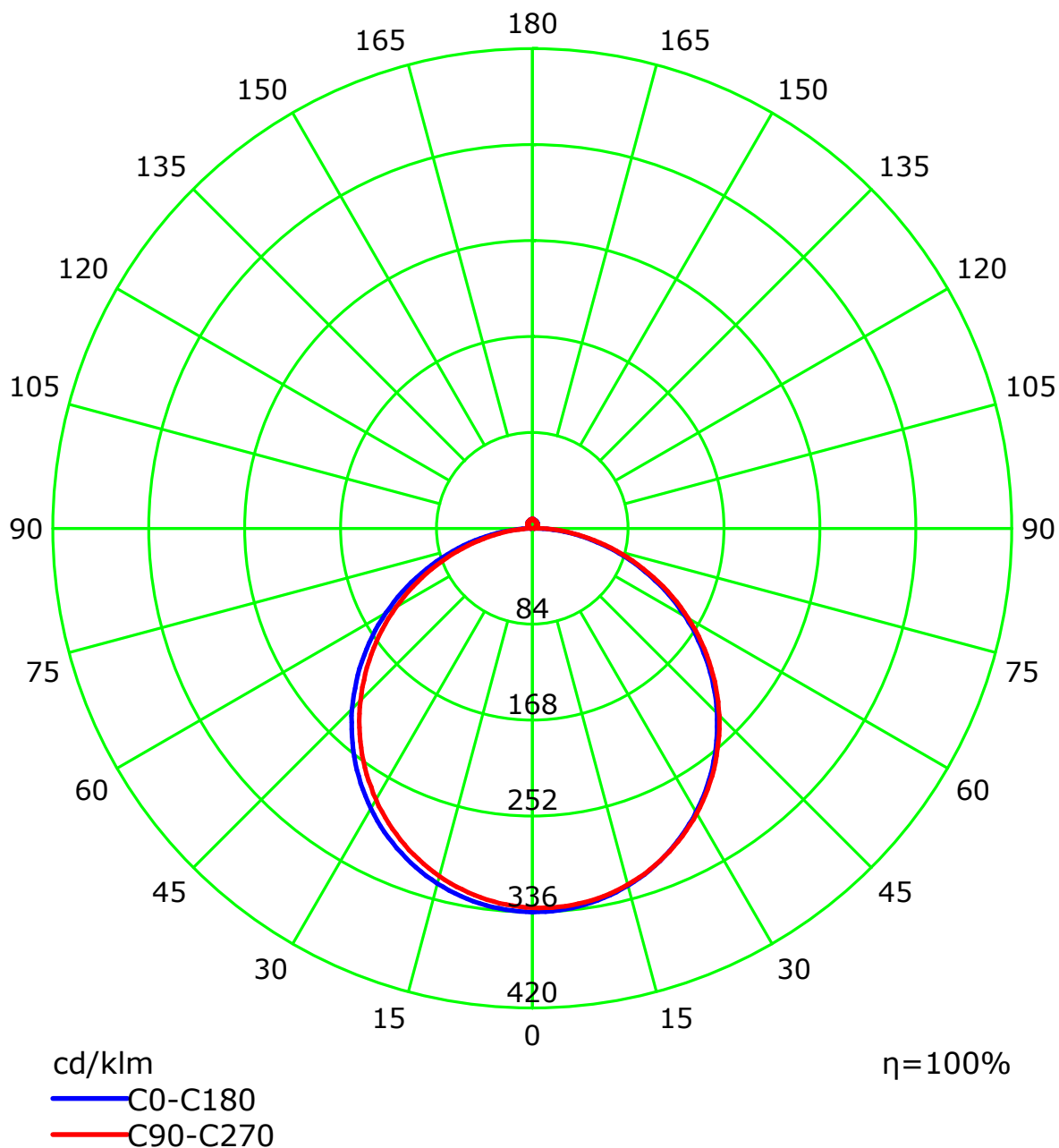
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

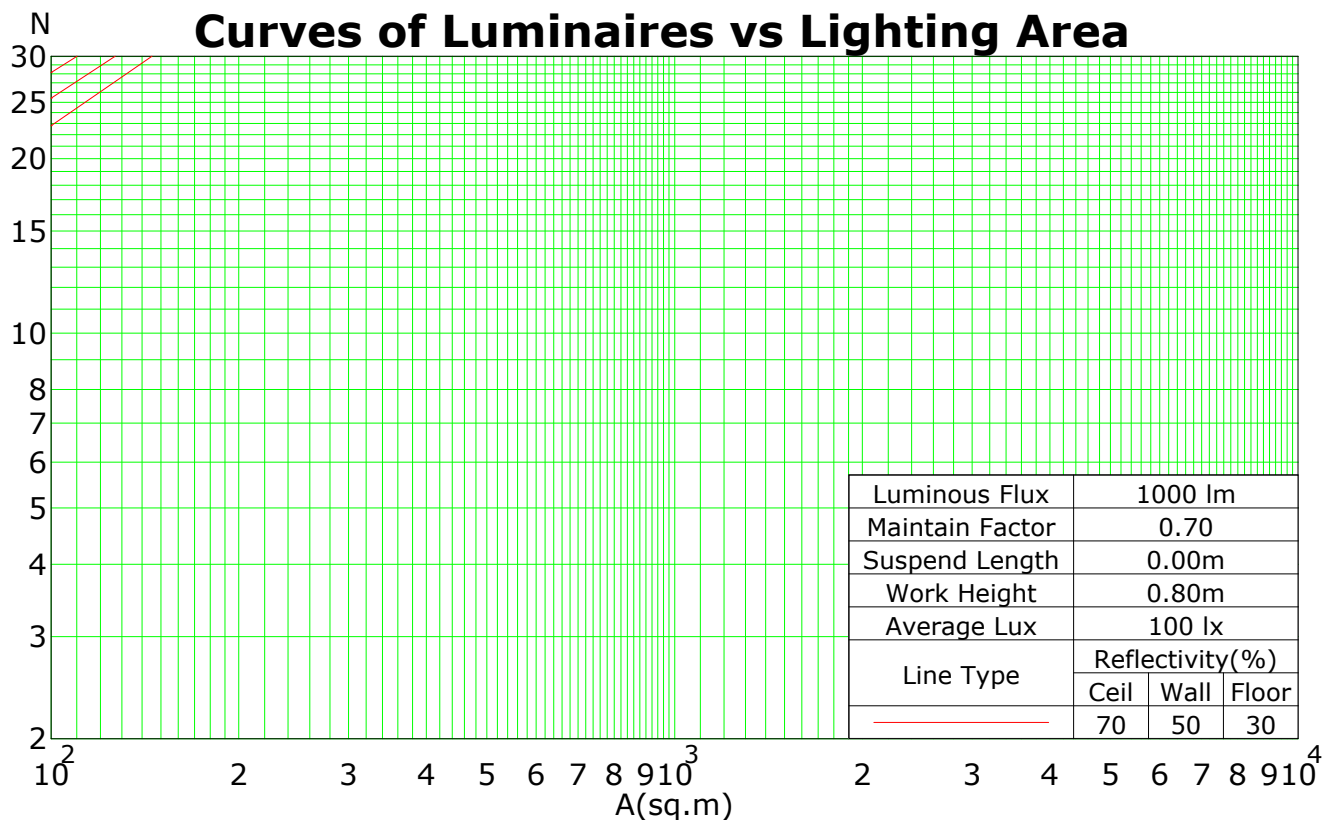
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	108	103	99	95	105	100	96	93	96	92	89	91	89	86	87	85	83	81
2	98	89	82	77	95	87	81	76	83	78	73	80	75	71	76	72	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	54	79	68	60	53	65	58	52	62	56	51	60	54	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	43	41
6	69	56	47	40	67	55	46	40	52	45	39	50	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.37



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

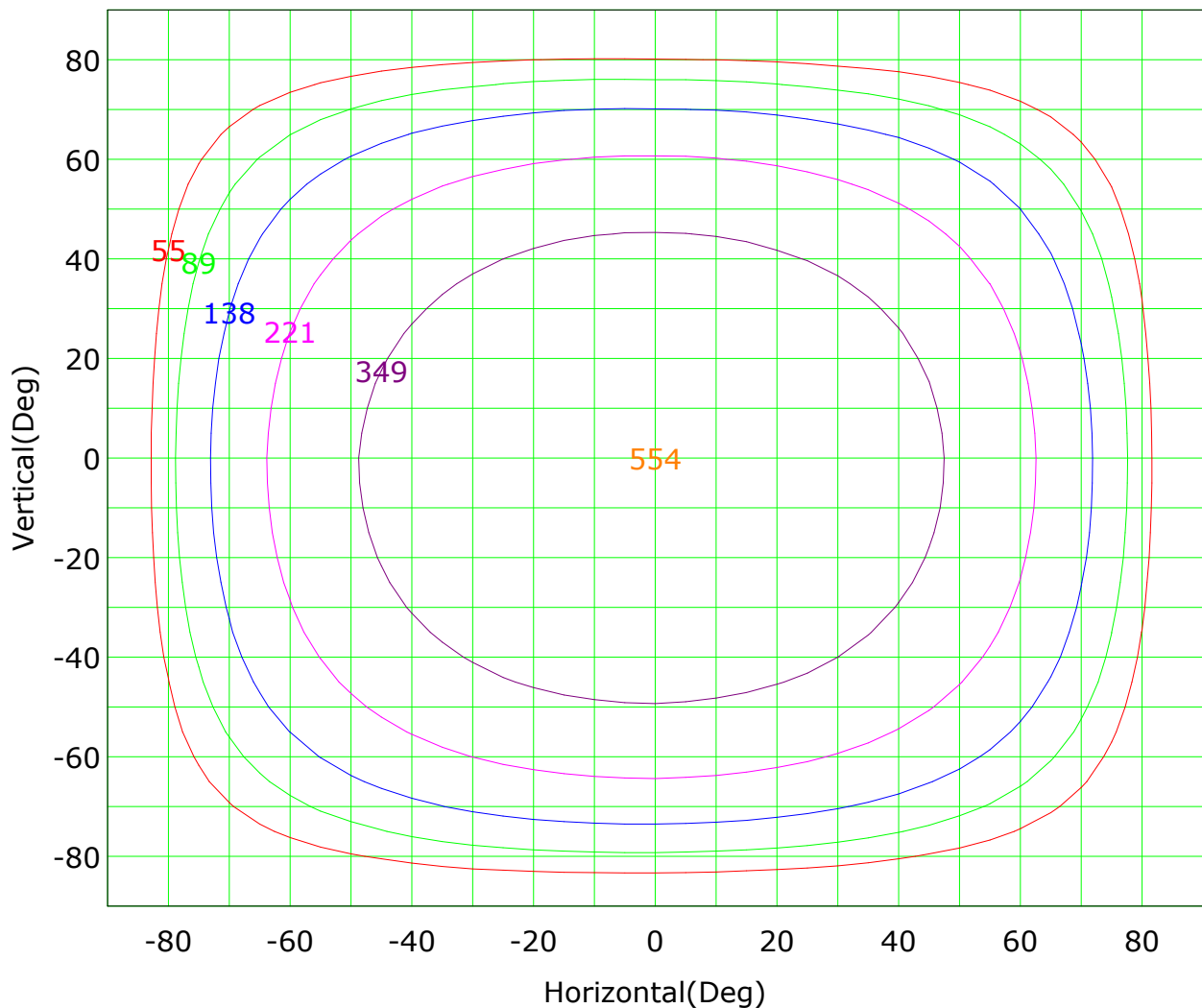
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 554 cd

(10%):	55 cd	(16%):	89 cd
(25%):	138 cd	(40%):	221 cd
(63%):	349 cd	(100%):	554 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

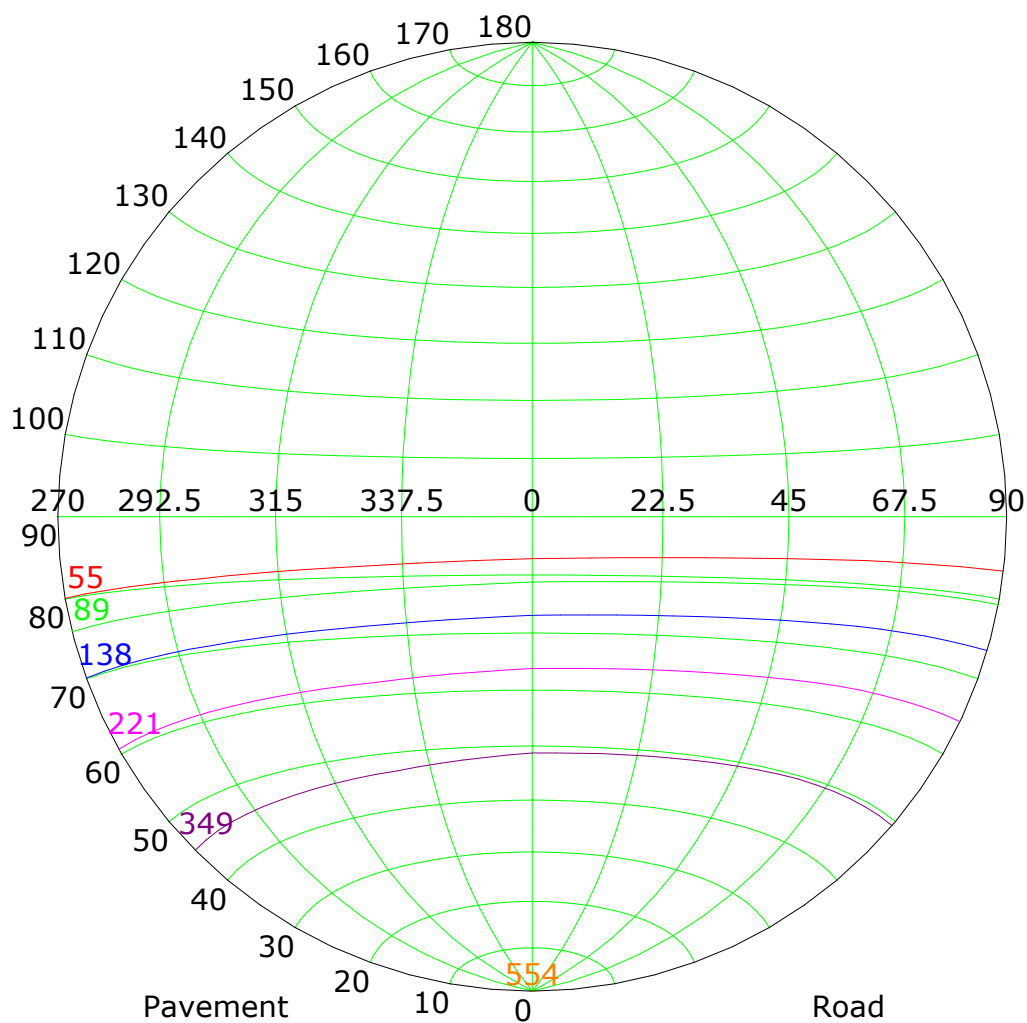
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 554 cd

(10%): 55 cd	(16%): 89 cd
(25%): 138 cd	(40%): 221 cd
(63%): 349 cd	(100%): 554 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

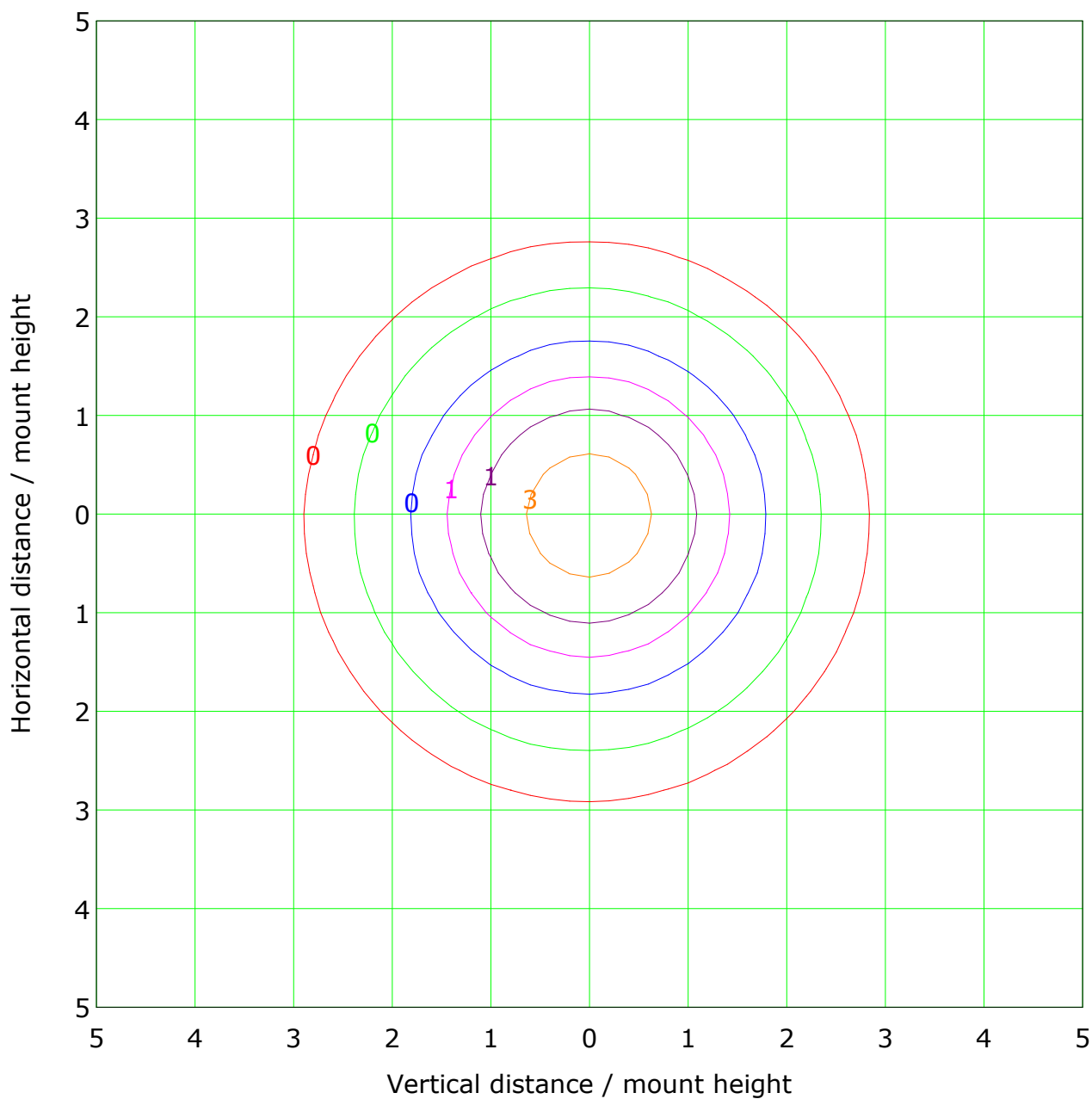
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 5.5 lx

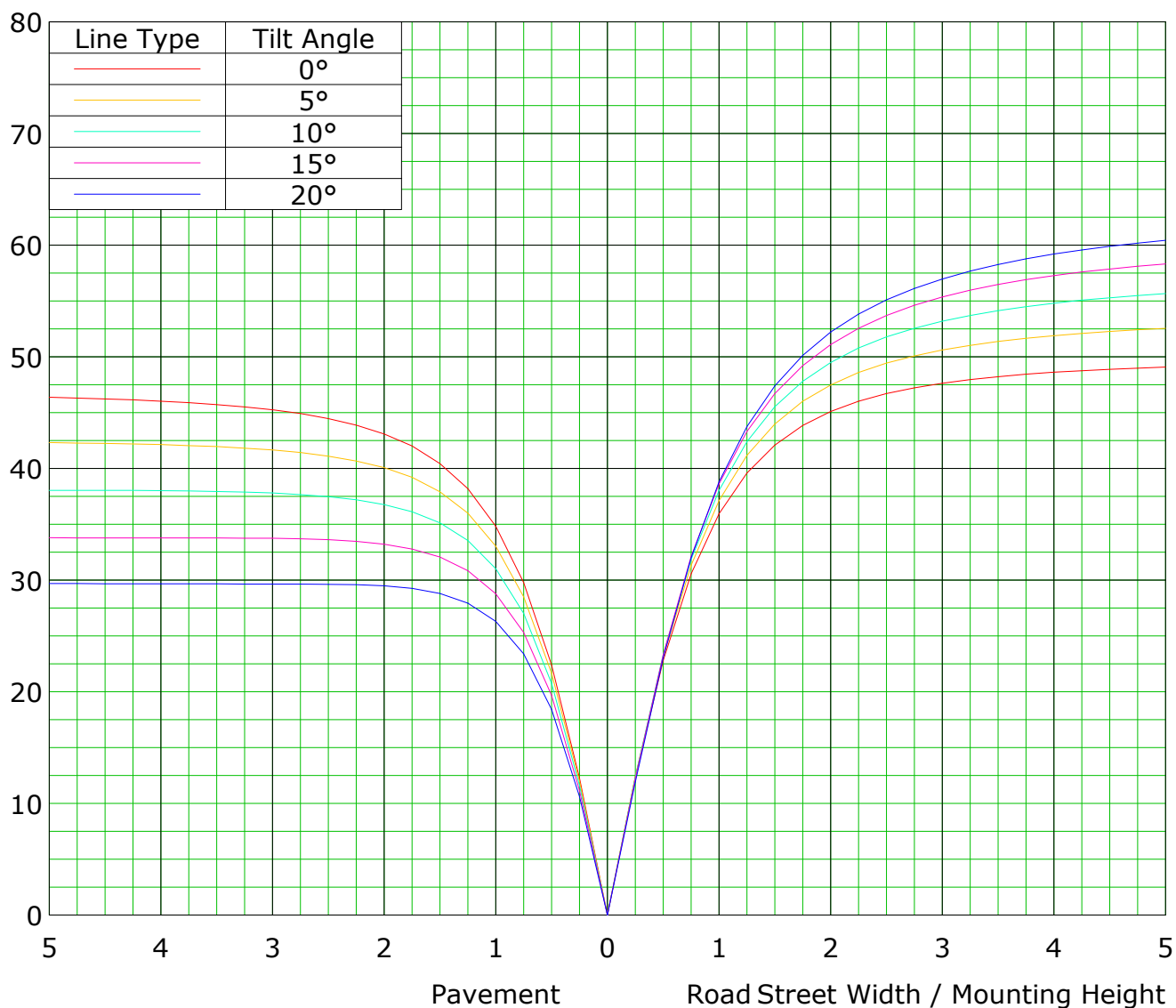
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.6 lx
(20%): 1.1 lx	(50%): 2.8 lx
(100%): 5.5 lx	

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

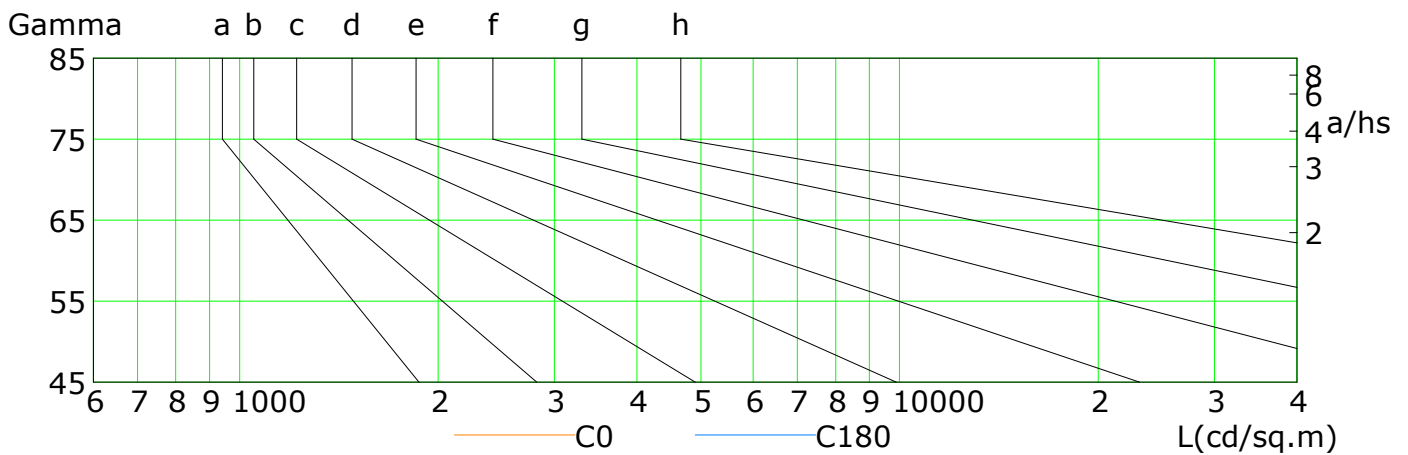
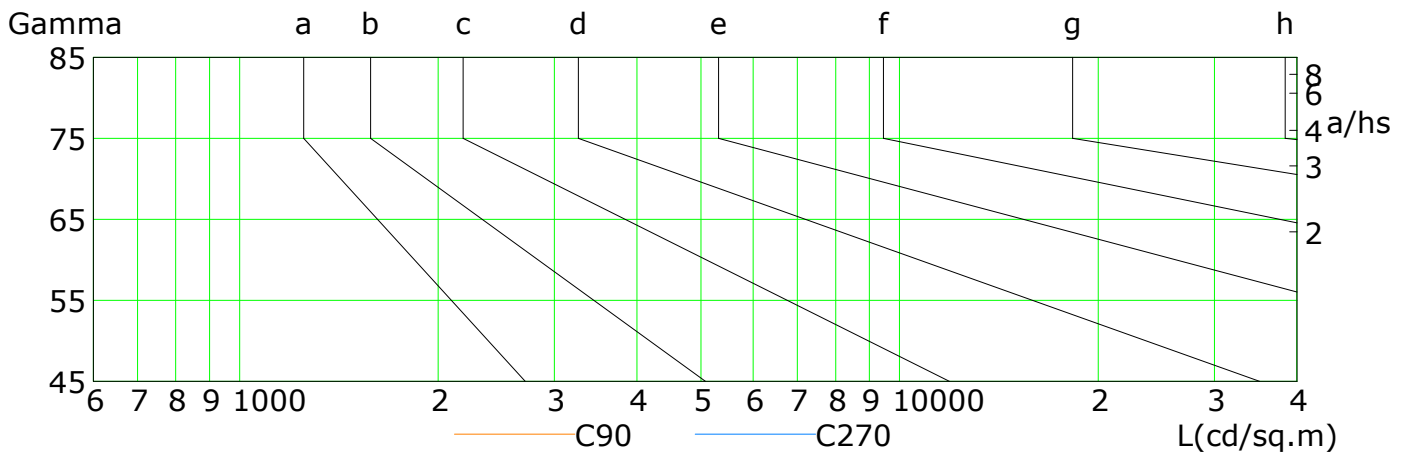
Humidity:

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	377	339	298	255	211	166	121	78	38
C90	382	344	303	260	216	171	126	82	42
C180	368	330	288	244	200	155	111	68	29
C270	351	312	271	227	183	139	96	56	20

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

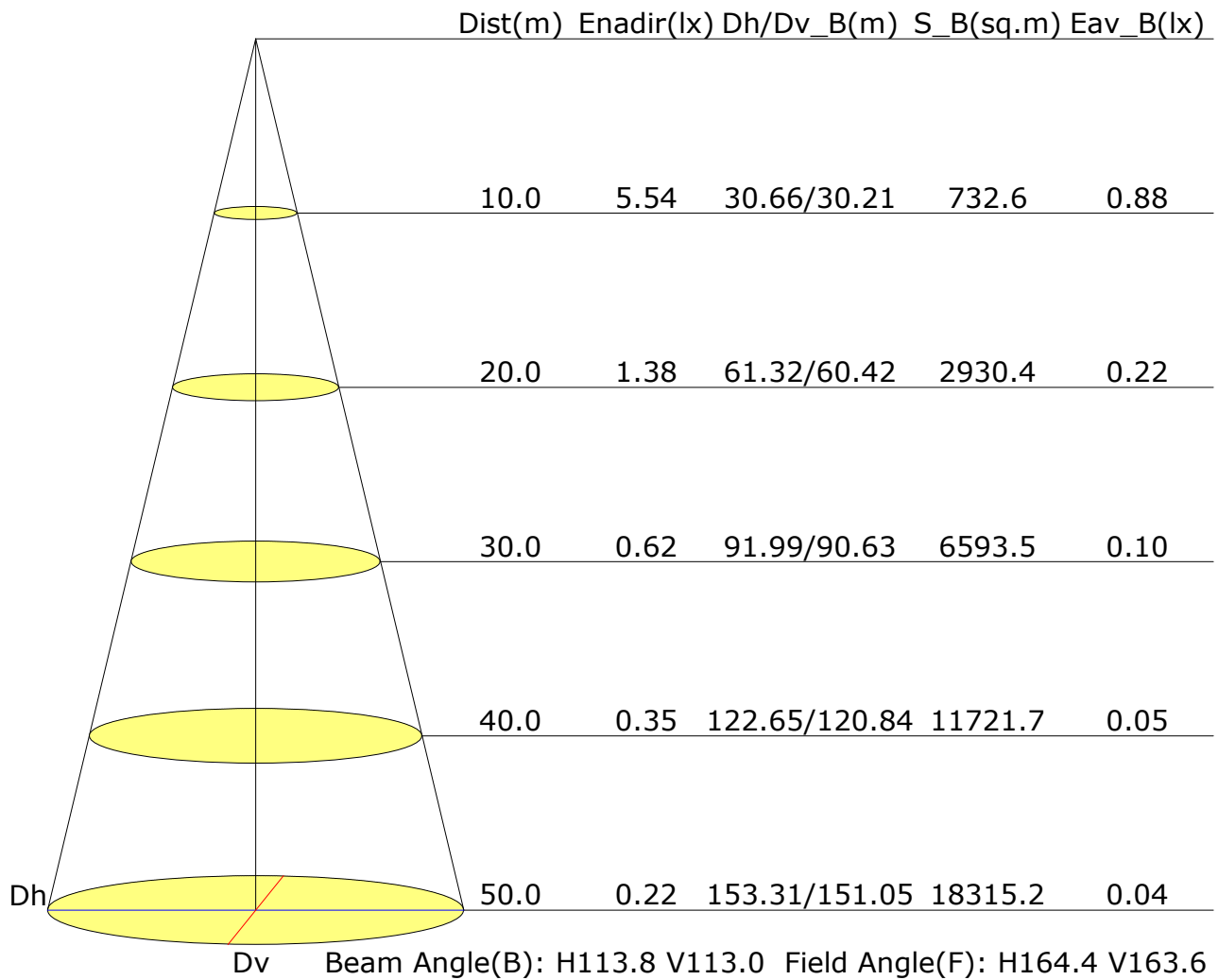
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

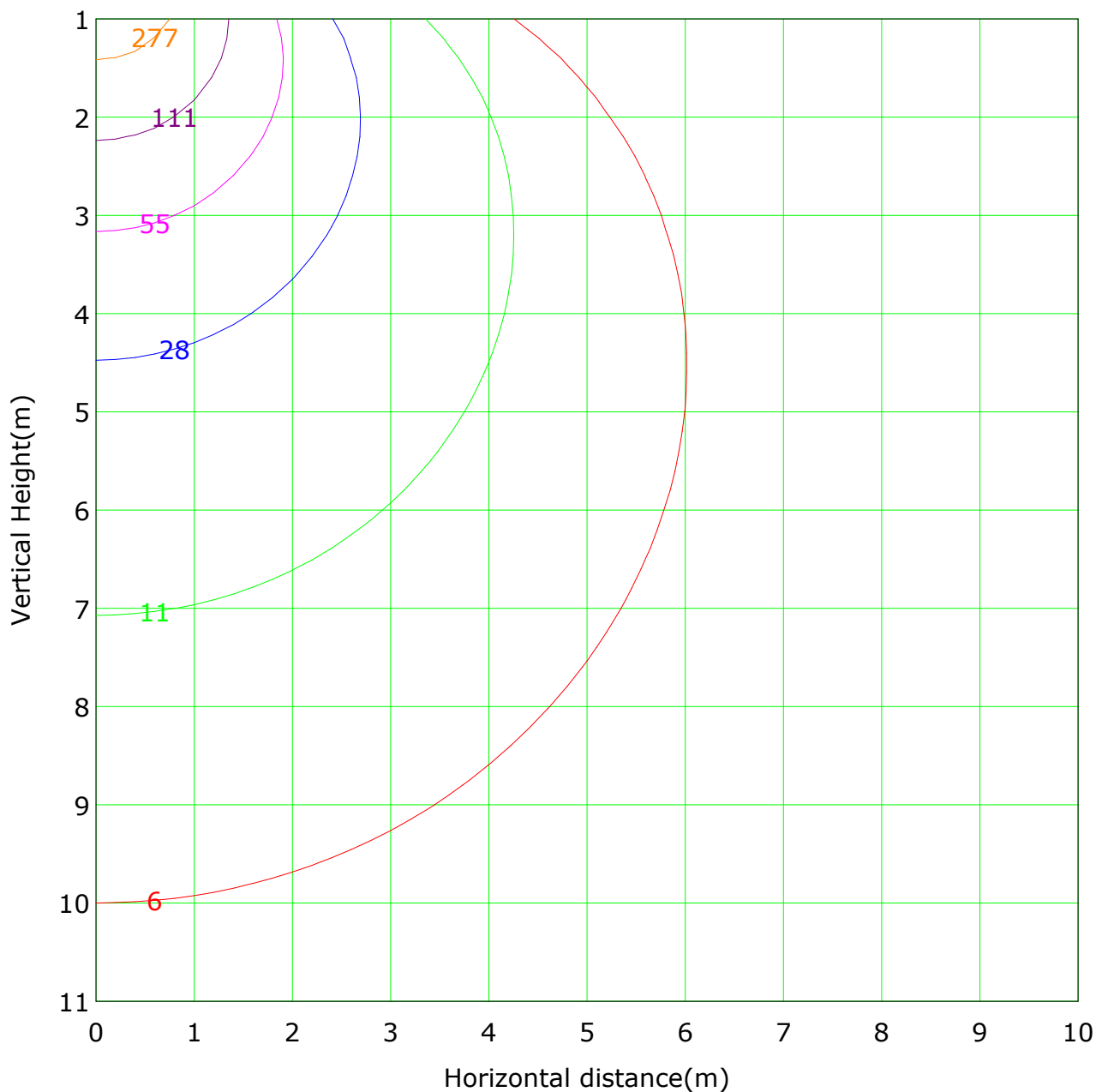
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 553.7 lx

(1%): 5.5 lx	(2%): 11.1 lx
(5%): 27.7 lx	(10%): 55.4 lx
(20%): 110.7 lx	(50%): 276.9 lx
(100%): 553.7 lx	

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Area Flux Table

Unit: lm

Vertical plane	Orbit, m																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
-90	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	6.4	0.0
-80	0.0	0.2	0.5	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.8	2.5	2.0	1.5	1.0	0.5	0.2	0.0	26.4	23.1
-70	0.0	0.3	0.9	1.7	2.6	3.6	4.5	5.2	5.5	5.6	5.2	4.6	3.7	2.8	1.8	1.0	0.4	0.1	49.3	48.5
-60	0.1	0.4	1.3	2.5	3.9	5.3	6.6	7.6	8.1	8.2	7.7	6.7	5.4	4.0	2.6	1.4	0.5	0.1	72.4	72.0
-50	0.1	0.6	1.7	3.2	5.1	6.9	8.6	9.9	10.6	10.6	9.9	8.7	7.0	5.2	3.3	1.8	0.7	0.1	93.9	93.6
-40	0.1	0.7	2.0	3.9	6.1	8.4	10.4	11.9	12.7	12.7	11.9	10.4	8.4	6.2	4.0	2.1	0.8	0.1	112.7	112.5
-30	0.1	0.8	2.3	4.4	6.9	9.5	11.8	13.5	14.4	14.4	13.5	11.8	9.5	7.0	4.5	2.4	0.9	0.1	127.9	127.8
-20	0.1	0.9	2.5	4.8	7.5	10.3	12.8	14.7	15.6	15.6	14.6	12.8	10.4	7.6	4.9	2.6	0.9	0.1	139.0	138.9
-10	0.1	0.9	2.6	5.0	7.9	10.8	13.4	15.4	16.4	16.3	15.4	13.5	10.9	8.0	5.2	2.7	1.0	0.1	145.6	145.5
0	0.1	0.9	2.6	5.0	7.9	10.8	13.5	15.4	16.4	16.6	15.6	13.6	11.0	8.1	5.2	2.7	1.0	0.1	146.6	146.5
10	0.1	0.9	2.5	4.9	7.6	10.5	13.0	14.9	16.0	16.0	15.1	13.2	10.7	7.8	5.0	2.6	1.0	0.1	142.0	141.8
20	0.1	0.8	2.3	4.5	7.1	9.8	12.2	14.0	15.0	15.0	14.1	12.3	10.0	7.3	4.7	2.5	0.9	0.1	132.7	132.6
30	0.1	0.7	2.1	4.0	6.4	8.8	10.9	12.5	13.4	13.5	12.7	11.1	8.9	6.5	4.2	2.2	0.8	0.1	118.9	118.8
40	0.1	0.6	1.8	3.4	5.4	7.4	9.3	10.7	11.5	11.5	10.8	9.4	7.6	5.6	3.6	1.9	0.7	0.1	101.2	101.0
50	0.1	0.5	1.4	2.7	4.3	5.9	7.4	8.5	9.1	9.1	8.6	7.5	6.0	4.4	2.8	1.5	0.6	0.1	80.3	80.0
60	0.0	0.3	1.0	1.9	3.0	4.2	5.2	6.0	6.5	6.5	6.1	5.3	4.3	3.2	2.0	1.1	0.4	0.1	57.2	56.6
70	0.0	0.2	0.6	1.1	1.8	2.4	3.0	3.5	3.8	3.8	3.6	3.2	2.6	1.9	1.2	0.7	0.2	0.0	33.6	31.8
80	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.3	1.3	1.1	0.9	0.7	0.5	0.3	0.1	0.0	11.7	4.0
90	1.2	9.8	28.1	54.5	85.7	117.8	146.5	168.2	179.9	180.4	169.5	148.5	120.1	88.2	56.8	30.0	11.0	1.6	1598	
Flux(T)	0.2	8.4	26.8	53.2	84.4	116.5	145.2	166.9	178.6	179.0	168.1	147.2	118.8	86.9	55.6	28.8	9.7	0.5		1575
Flux(E)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	

Horizontal plane

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

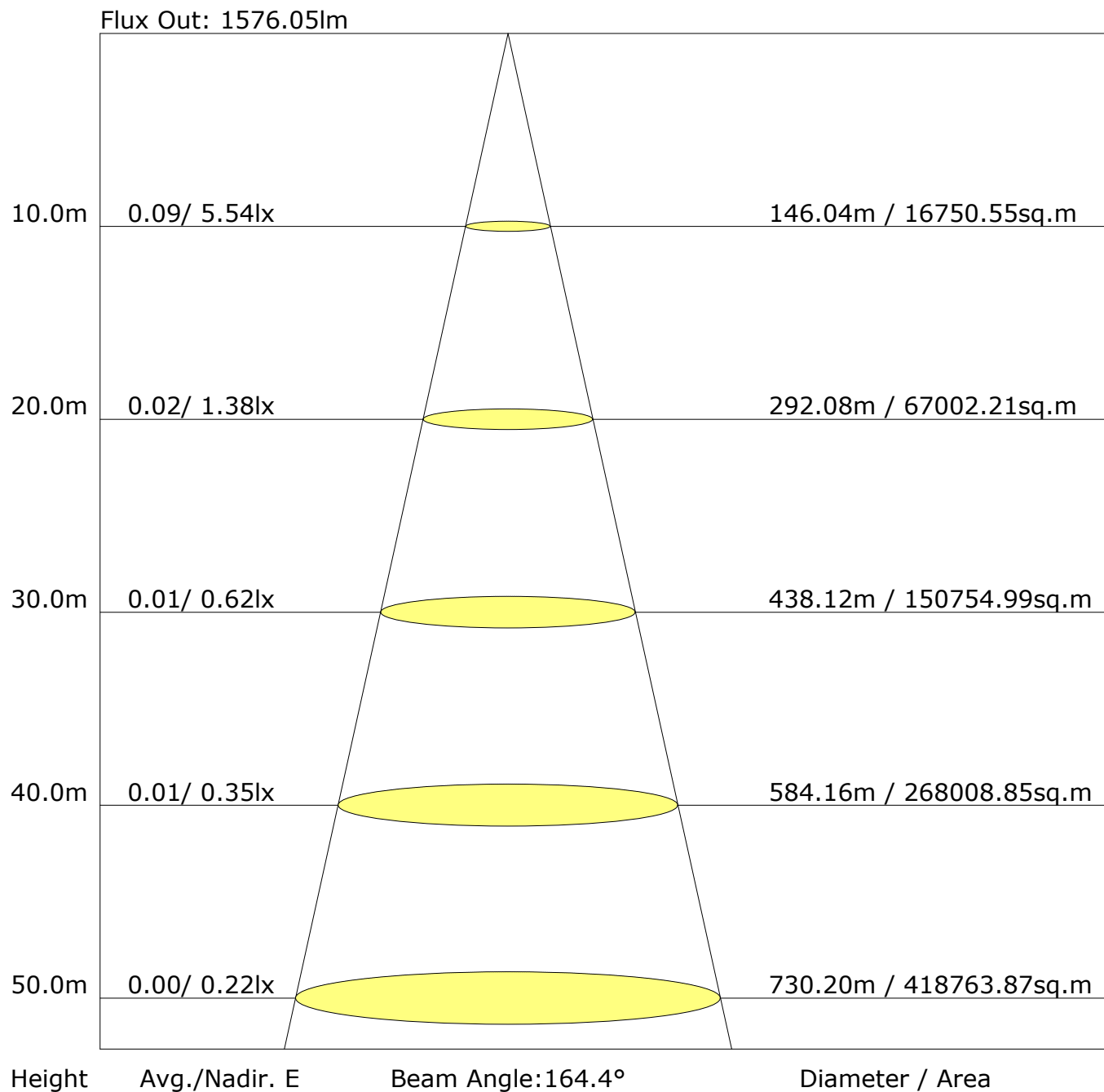
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

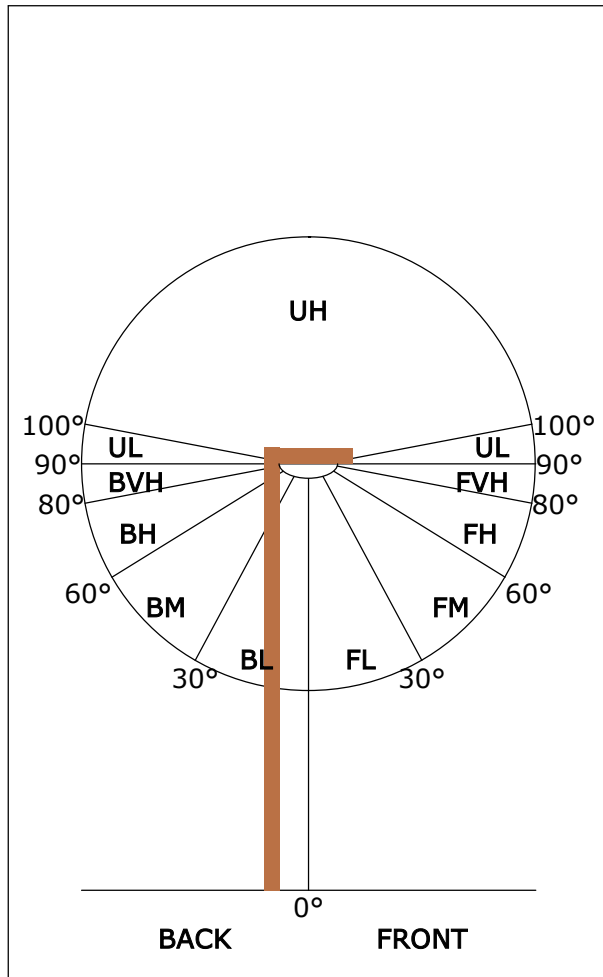
UGR Table

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.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 1644Im ($8\log(F/F_0) = 1.7$).

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM


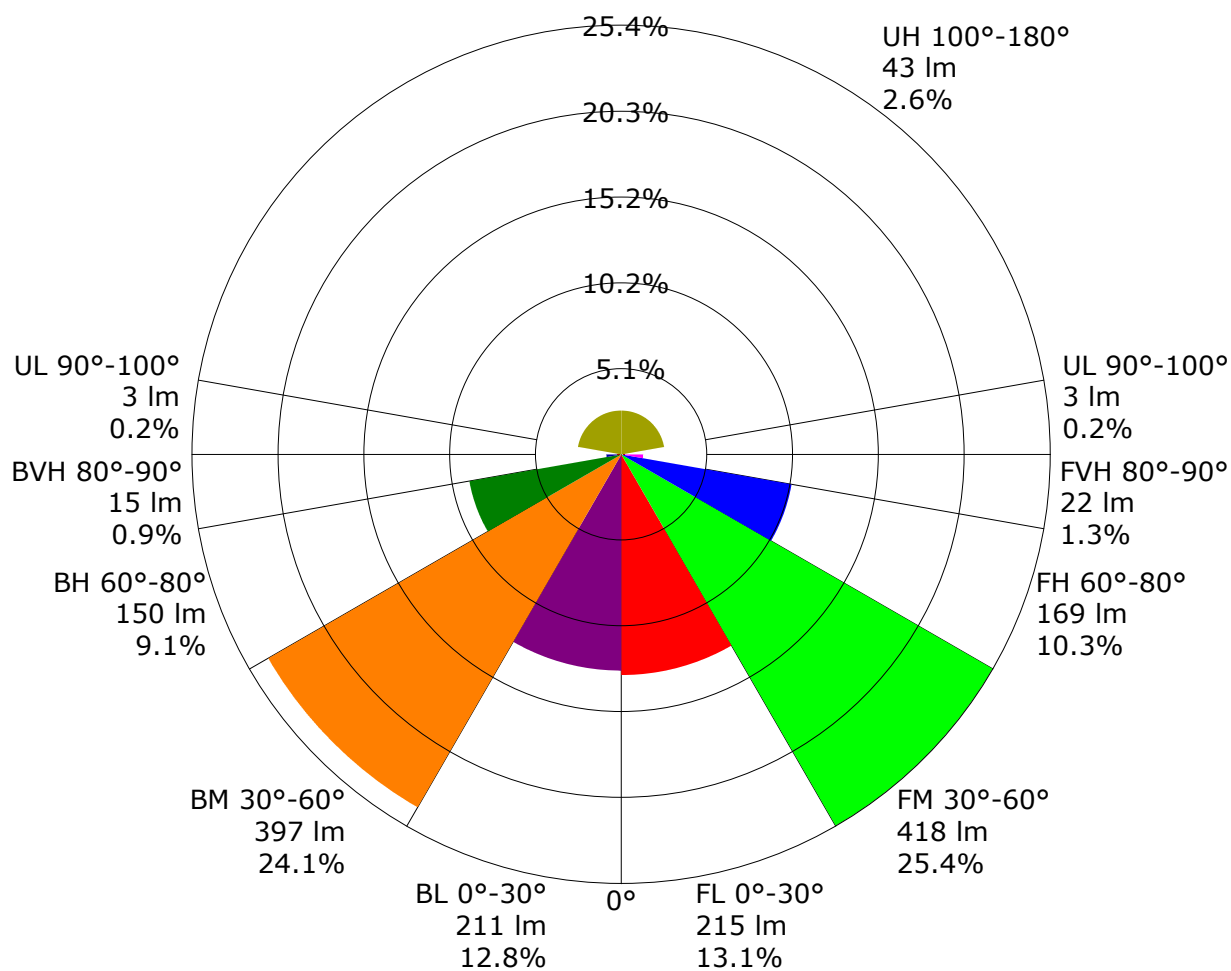
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	824	50.1
FL (0°-30°)	215	13.1
FM (30°-60°)	418	25.4
FH (60°-80°)	169	10.3
FVH (80°-90°)	22	1.3
BACK LIGHT	774	47.0
BL (0°-30°)	211	12.8
BM (30°-60°)	397	24.1
BH (60°-80°)	150	9.1
BVH (80°-90°)	15	0.9
UP LIGHT	46	2.8
UL (90°-100°)	3	0.2
UH (100°-180°)	43	2.6
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
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	0.55	0.66	0.73	0.78	0.86	0.91	0.94	0.99	1.02	
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.95	0.98	
	0.20		0.42	0.52	0.59	0.65	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.82	0.87	0.90	0.94	0.97	
	0.30		0.46	0.56	0.64	0.69	0.77	0.82	0.86	0.91	0.94	
	0.20		0.41	0.51	0.58	0.64	0.72	0.78	0.82	0.88	0.91	
0.30	0.50	0.20	0.52	0.61	0.67	0.72	0.79	0.83	0.86	0.90	0.93	
	0.30		0.45	0.55	0.62	0.67	0.74	0.79	0.83	0.87	0.90	
	0.20		0.41	0.50	0.57	0.63	0.70	0.76	0.80	0.85	0.88	
0.00	0.00	0.00	0.38	0.47	0.54	0.59	0.66	0.71	0.75	0.80	0.83	
Rating:18W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.01	0.83	0.71	0.62	0.50	0.41	0.35	0.28	0.23	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.20	
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.42	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.93	0.76	0.65	0.57	0.45	0.37	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.28	0.23	0.19	
0.00	0.00	0.00	0.59	0.50	0.43	0.38	0.31	0.26	0.22	0.18	0.15	
Rating:18W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
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	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25	
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22	
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.23	
	0.30		0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.30	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.22	0.23	
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.20	
	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
Rating:18W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	548.8	0.5	0.5	0.03	0.03
1.0-2.0	548.6	1.6	2.1	0.10	0.13
2.0-3.0	548.2	2.6	4.7	0.16	0.29
3.0-4.0	547.6	3.7	8.4	0.22	0.51
4.0-5.0	546.8	4.7	13.1	0.29	0.80
5.0-6.0	545.9	5.7	18.8	0.35	1.15
6.0-7.0	544.7	6.8	25.6	0.41	1.56
7.0-8.0	543.4	7.8	33.4	0.47	2.03
8.0-9.0	541.8	8.8	42.2	0.53	2.56
9.0-10.0	540.1	9.8	51.9	0.59	3.16
10.0-11.0	538.2	10.8	62.7	0.65	3.81
11.0-12.0	536.1	11.7	74.4	0.71	4.53
12.0-13.0	533.9	12.7	87.1	0.77	5.30
13.0-14.0	531.4	13.6	100.7	0.83	6.12
14.0-15.0	528.7	14.5	115.2	0.88	7.01
15.0-16.0	525.9	15.4	130.6	0.94	7.94
16.0-17.0	522.8	16.3	146.9	0.99	8.93
17.0-18.0	519.8	17.1	164.0	1.04	9.98
18.0-19.0	516.3	18.0	182.0	1.09	11.07
19.0-20.0	512.7	18.8	200.8	1.14	12.21
20.0-21.0	509.1	19.6	220.3	1.19	13.40
21.0-22.0	505.1	20.3	240.6	1.23	14.63
22.0-23.0	501.0	21.0	261.6	1.28	15.91
23.0-24.0	496.7	21.7	283.4	1.32	17.23
24.0-25.0	492.2	22.4	305.7	1.36	18.59
25.0-26.0	487.8	23.0	328.8	1.40	20.00
26.0-27.0	483.0	23.6	352.4	1.44	21.43
27.0-28.0	478.0	24.2	376.6	1.47	22.90
28.0-29.0	473.1	24.8	401.4	1.51	24.41
29.0-30.0	467.8	25.3	426.6	1.54	25.95
30.0-31.0	462.4	25.7	452.4	1.57	27.51
31.0-32.0	456.8	26.2	478.5	1.59	29.10
32.0-33.0	451.0	26.6	505.1	1.62	30.72
33.0-34.0	445.4	27.0	532.1	1.64	32.36
34.0-35.0	439.3	27.3	559.4	1.66	34.02
35.0-36.0	433.1	27.6	586.9	1.68	35.70

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 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 [%]
36.0-37.0	427.1	27.9	614.8	1.69	37.39
37.0-38.0	420.6	28.1	642.9	1.71	39.10
38.0-39.0	414.0	28.3	671.1	1.72	40.82
39.0-40.0	407.2	28.4	699.5	1.73	42.54
40.0-41.0	400.3	28.5	728.0	1.73	44.28
41.0-42.0	393.6	28.6	756.6	1.74	46.02
42.0-43.0	386.5	28.6	785.3	1.74	47.76
43.0-44.0	379.2	28.6	813.9	1.74	49.50
44.0-45.0	372.0	28.6	842.5	1.74	51.24
45.0-46.0	364.5	28.5	871.0	1.73	52.97
46.0-47.0	357.0	28.4	899.4	1.73	54.70
47.0-48.0	349.3	28.2	927.6	1.72	56.42
48.0-49.0	341.4	28.0	955.7	1.71	58.12
49.0-50.0	333.9	27.8	983.5	1.69	59.81
50.0-51.0	325.9	27.6	1011.1	1.68	61.49
51.0-52.0	317.7	27.3	1038.4	1.66	63.15
52.0-53.0	309.5	26.9	1065.3	1.64	64.79
53.0-54.0	301.1	26.5	1091.8	1.61	66.40
54.0-55.0	293.0	26.2	1118.0	1.59	67.99
55.0-56.0	284.6	25.7	1143.7	1.56	69.56
56.0-57.0	276.1	25.2	1169.0	1.54	71.09
57.0-58.0	267.8	24.8	1193.7	1.51	72.60
58.0-59.0	259.1	24.2	1217.9	1.47	74.07
59.0-60.0	250.3	23.6	1241.6	1.44	75.51
60.0-61.0	241.5	23.0	1264.6	1.40	76.91
61.0-62.0	232.6	22.4	1287.1	1.36	78.27
62.0-63.0	224.1	21.8	1308.9	1.33	79.60
63.0-64.0	215.1	21.1	1330.0	1.28	80.88
64.0-65.0	206.2	20.4	1350.4	1.24	82.12
65.0-66.0	197.6	19.7	1370.1	1.20	83.32
66.0-67.0	188.6	19.0	1389.1	1.15	84.48
67.0-68.0	179.6	18.2	1407.2	1.11	85.58
68.0-69.0	170.5	17.4	1424.6	1.06	86.64
69.0-70.0	161.4	16.6	1441.2	1.01	87.65
70.0-71.0	152.9	15.8	1457.0	0.96	88.61
71.0-72.0	144.0	15.0	1472.0	0.91	89.52

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 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 [%]
72.0-73.0	135.1	14.1	1486.1	0.86	90.38
73.0-74.0	126.6	13.3	1499.4	0.81	91.19
74.0-75.0	117.8	12.4	1511.9	0.76	91.95
75.0-76.0	109.1	11.6	1523.5	0.70	92.65
76.0-77.0	100.4	10.7	1534.2	0.65	93.30
77.0-78.0	91.9	9.8	1544.0	0.60	93.90
78.0-79.0	83.8	9.0	1553.0	0.55	94.45
79.0-80.0	75.4	8.1	1561.2	0.49	94.94
80.0-81.0	67.1	7.3	1568.4	0.44	95.38
81.0-82.0	59.3	6.4	1574.8	0.39	95.78
82.0-83.0	51.4	5.6	1580.4	0.34	96.12
83.0-84.0	43.6	4.7	1585.2	0.29	96.40
84.0-85.0	36.0	3.9	1589.1	0.24	96.64
85.0-86.0	28.6	3.1	1592.2	0.19	96.83
86.0-87.0	21.7	2.4	1594.6	0.14	96.98
87.0-88.0	14.9	1.6	1596.2	0.10	97.08
88.0-89.0	9.4	1.0	1597.3	0.06	97.14
89.0-90.0	5.6	0.6	1597.9	0.04	97.18
90.0-91.0	3.4	0.4	1598.3	0.02	97.20
91.0-92.0	2.6	0.3	1598.5	0.02	97.22
92.0-93.0	2.7	0.3	1598.8	0.02	97.23
93.0-94.0	2.8	0.3	1599.1	0.02	97.25
94.0-95.0	3.0	0.3	1599.5	0.02	97.27
95.0-96.0	3.1	0.3	1599.8	0.02	97.29
96.0-97.0	3.3	0.4	1600.2	0.02	97.32
97.0-98.0	3.5	0.4	1600.6	0.02	97.34
98.0-99.0	3.6	0.4	1600.9	0.02	97.36
99.0-100.0	3.8	0.4	1601.4	0.02	97.39
100.0-101.0	4.0	0.4	1601.8	0.03	97.41
101.0-102.0	4.1	0.4	1602.2	0.03	97.44
102.0-103.0	4.3	0.5	1602.7	0.03	97.47
103.0-104.0	4.5	0.5	1603.2	0.03	97.50
104.0-105.0	4.7	0.5	1603.7	0.03	97.53
105.0-106.0	4.8	0.5	1604.2	0.03	97.56
106.0-107.0	5.0	0.5	1604.7	0.03	97.59
107.0-108.0	5.2	0.5	1605.2	0.03	97.62

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 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 [%]
108.0-109.0	5.4	0.6	1605.8	0.03	97.66
109.0-110.0	5.5	0.6	1606.4	0.03	97.69
110.0-111.0	5.7	0.6	1607.0	0.04	97.73
111.0-112.0	5.9	0.6	1607.6	0.04	97.77
112.0-113.0	6.1	0.6	1608.2	0.04	97.80
113.0-114.0	6.3	0.6	1608.8	0.04	97.84
114.0-115.0	6.4	0.6	1609.4	0.04	97.88
115.0-116.0	6.6	0.7	1610.1	0.04	97.92
116.0-117.0	6.8	0.7	1610.8	0.04	97.96
117.0-118.0	6.9	0.7	1611.4	0.04	98.00
118.0-119.0	7.1	0.7	1612.1	0.04	98.04
119.0-120.0	7.3	0.7	1612.8	0.04	98.09
120.0-121.0	7.4	0.7	1613.5	0.04	98.13
121.0-122.0	7.6	0.7	1614.2	0.04	98.17
122.0-123.0	7.8	0.7	1615.0	0.04	98.22
123.0-124.0	7.9	0.7	1615.7	0.04	98.26
124.0-125.0	8.1	0.7	1616.4	0.04	98.30
125.0-126.0	8.2	0.7	1617.1	0.04	98.35
126.0-127.0	8.4	0.7	1617.9	0.04	98.39
127.0-128.0	8.5	0.7	1618.6	0.05	98.44
128.0-129.0	8.7	0.7	1619.4	0.05	98.48
129.0-130.0	8.8	0.7	1620.1	0.05	98.53
130.0-131.0	8.9	0.7	1620.8	0.05	98.57
131.0-132.0	9.1	0.7	1621.6	0.05	98.62
132.0-133.0	9.2	0.7	1622.3	0.05	98.66
133.0-134.0	9.4	0.7	1623.1	0.05	98.71
134.0-135.0	9.5	0.7	1623.8	0.05	98.75
135.0-136.0	9.6	0.7	1624.6	0.04	98.80
136.0-137.0	9.7	0.7	1625.3	0.04	98.84
137.0-138.0	9.9	0.7	1626.0	0.04	98.89
138.0-139.0	10.0	0.7	1626.7	0.04	98.93
139.0-140.0	10.1	0.7	1627.5	0.04	98.98
140.0-141.0	10.2	0.7	1628.2	0.04	99.02
141.0-142.0	10.3	0.7	1628.9	0.04	99.06
142.0-143.0	10.4	0.7	1629.6	0.04	99.10
143.0-144.0	10.5	0.7	1630.3	0.04	99.15

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 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 [%]
144.0-145.0	10.6	0.7	1630.9	0.04	99.19
145.0-146.0	10.7	0.7	1631.6	0.04	99.23
146.0-147.0	10.8	0.7	1632.3	0.04	99.27
147.0-148.0	10.9	0.6	1632.9	0.04	99.31
148.0-149.0	11.0	0.6	1633.5	0.04	99.35
149.0-150.0	11.1	0.6	1634.2	0.04	99.38
150.0-151.0	11.2	0.6	1634.8	0.04	99.42
151.0-152.0	11.3	0.6	1635.4	0.04	99.46
152.0-153.0	11.4	0.6	1635.9	0.04	99.49
153.0-154.0	11.5	0.6	1636.5	0.03	99.53
154.0-155.0	11.6	0.5	1637.0	0.03	99.56
155.0-156.0	11.7	0.5	1637.6	0.03	99.59
156.0-157.0	11.8	0.5	1638.1	0.03	99.62
157.0-158.0	11.8	0.5	1638.6	0.03	99.65
158.0-159.0	11.9	0.5	1639.1	0.03	99.68
159.0-160.0	12.0	0.5	1639.5	0.03	99.71
160.0-161.0	12.1	0.4	1640.0	0.03	99.74
161.0-162.0	12.2	0.4	1640.4	0.03	99.76
162.0-163.0	12.3	0.4	1640.8	0.02	99.79
163.0-164.0	12.3	0.4	1641.2	0.02	99.81
164.0-165.0	12.4	0.4	1641.5	0.02	99.83
165.0-166.0	12.5	0.3	1641.9	0.02	99.85
166.0-167.0	12.6	0.3	1642.2	0.02	99.87
167.0-168.0	12.7	0.3	1642.5	0.02	99.89
168.0-169.0	12.7	0.3	1642.8	0.02	99.91
169.0-170.0	12.8	0.3	1643.0	0.02	99.92
170.0-171.0	12.9	0.2	1643.3	0.01	99.94
171.0-172.0	13.0	0.2	1643.5	0.01	99.95
172.0-173.0	13.1	0.2	1643.7	0.01	99.96
173.0-174.0	13.2	0.2	1643.8	0.01	99.97
174.0-175.0	13.3	0.1	1644.0	0.01	99.98
175.0-176.0	13.4	0.1	1644.1	0.01	99.99
176.0-177.0	13.4	0.1	1644.2	0.01	99.99
177.0-178.0	13.5	0.1	1644.2	0.00	100.00
178.0-179.0	13.5	0.0	1644.3	0.00	100.00
179.0-180.0	13.5	0.0	1644.3	0.00	100.00

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	553.7	551.1	548.9	547.3	546.5	545.8	553.7	551.1	548.9	547.3
G1.0	553.3	551.0	549.4	548.0	546.4	545.7	553.3	550.5	548.5	547.1
G2.0	553.4	551.4	549.2	547.8	546.7	545.7	553.0	550.2	547.6	546.2
G3.0	552.8	550.9	549.3	548.1	546.3	545.2	552.3	549.3	546.9	545.3
G4.0	552.4	550.7	548.8	547.5	546.3	544.8	551.7	548.5	545.4	544.0
G5.0	551.5	550.0	548.8	547.3	545.5	544.0	550.4	547.2	544.6	543.0
G6.0	550.7	549.3	547.8	546.5	544.9	543.0	549.5	546.0	542.7	541.3
G7.0	549.4	548.1	547.3	545.7	543.9	542.0	548.0	544.5	541.2	539.8
G8.0	548.2	547.2	545.8	544.6	542.9	540.8	546.6	542.7	539.2	537.7
G9.0	546.5	545.7	545.1	543.6	541.5	539.0	544.8	541.0	537.3	535.5
G10.0	545.0	544.3	543.4	542.2	540.2	537.6	542.9	538.7	535.3	533.6
G11.0	542.9	542.3	541.8	540.7	538.2	535.5	540.5	536.6	532.6	530.7
G12.0	540.9	540.6	539.9	538.7	536.7	533.8	538.3	534.0	530.3	528.6
G13.0	538.8	538.5	537.8	536.6	534.6	531.8	536.2	531.5	527.3	525.6
G14.0	536.1	536.2	535.7	534.5	532.3	529.2	533.0	528.4	524.4	522.9
G15.0	533.7	533.7	533.3	532.1	529.8	526.5	530.6	525.7	521.1	519.4
G16.0	530.7	530.8	530.7	529.6	527.0	523.7	527.1	522.3	517.9	515.9
G17.0	528.0	528.1	527.9	526.8	524.4	520.8	524.3	519.1	514.3	512.6
G18.0	524.9	524.9	525.4	524.2	521.4	517.7	520.8	515.9	510.7	508.9
G19.0	521.4	521.8	521.8	520.7	518.1	514.3	517.2	511.9	506.8	505.0
G20.0	517.8	518.3	519.0	517.5	514.6	510.8	513.5	508.0	502.8	500.9
G21.0	514.3	515.0	515.3	514.1	511.5	507.5	509.5	504.0	499.0	497.1
G22.0	510.3	510.8	511.3	510.1	507.3	503.1	505.2	499.8	494.2	492.2
G23.0	506.0	506.7	507.7	506.6	503.3	499.0	501.4	495.3	490.0	488.1
G24.0	501.8	502.6	503.4	502.2	499.2	494.8	496.5	490.6	484.9	482.9
G25.0	497.3	498.1	499.6	498.6	495.0	490.5	492.4	486.0	480.3	478.5
G26.0	492.8	494.0	495.0	494.1	490.9	486.5	487.6	481.4	475.4	473.4
G27.0	487.9	489.0	490.5	489.5	485.8	481.2	482.5	476.0	470.0	468.2
G28.0	482.9	484.5	485.8	484.7	481.2	476.7	477.5	471.0	464.7	462.9
G29.0	478.4	479.8	481.1	480.1	476.8	471.7	472.1	465.7	459.3	457.9
G30.0	472.5	474.5	475.7	474.9	471.1	466.5	466.6	459.9	453.5	451.6
G31.0	467.5	469.2	470.7	469.8	466.2	461.0	461.2	454.3	448.3	446.4
G32.0	461.9	463.3	465.0	464.1	460.5	455.5	455.2	448.3	441.6	439.8
G33.0	456.2	458.0	459.7	458.8	455.1	449.9	449.3	442.4	435.6	434.2
G34.0	450.5	452.8	454.3	453.4	449.4	444.5	443.7	436.3	429.8	428.2
G35.0	444.2	446.1	448.1	447.3	443.4	437.9	437.0	429.8	423.1	421.6
G36.0	438.3	440.7	442.3	441.5	437.9	432.2	431.2	423.6	416.9	415.1

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	432.3	434.6	436.2	435.4	431.7	426.3	424.8	417.5	410.8	408.8
G38.0	425.5	428.0	429.9	429.0	424.7	419.6	417.9	410.3	403.3	401.5
G39.0	419.1	421.5	423.6	422.6	418.8	413.1	411.4	403.7	397.0	395.1
G40.0	412.1	414.8	416.8	415.8	412.2	406.3	404.0	396.3	389.2	387.8
G41.0	405.5	408.0	410.0	409.1	405.4	399.4	397.2	389.5	382.7	380.8
G42.0	398.6	401.4	403.7	402.9	398.8	392.9	390.2	382.9	375.4	373.8
G43.0	391.3	394.0	396.6	395.8	391.3	385.5	382.7	375.0	367.8	366.0
G44.0	384.1	387.0	389.6	388.6	384.5	378.6	376.0	368.1	360.5	358.8
G45.0	377.3	380.0	382.6	381.8	377.6	371.6	368.2	360.2	352.8	351.0
G46.0	369.7	372.0	374.9	373.8	369.8	363.9	360.6	352.6	345.0	343.4
G47.0	362.2	364.9	367.6	366.8	362.6	356.4	352.9	345.1	337.3	336.1
G48.0	354.2	357.2	359.7	358.9	354.5	348.7	344.7	336.9	329.0	327.4
G49.0	346.5	349.5	352.3	351.3	347.1	340.9	337.1	329.0	321.5	320.0
G50.0	339.0	342.1	344.8	343.7	339.9	333.7	329.6	321.6	313.8	312.2
G51.0	330.6	333.3	336.1	335.4	331.1	325.3	321.2	313.1	305.1	303.6
G52.0	322.6	325.9	328.5	327.7	323.7	317.4	313.0	305.1	297.2	295.5
G53.0	314.1	317.2	320.4	319.4	314.7	308.8	303.9	296.4	288.4	286.8
G54.0	305.9	309.2	312.0	311.1	307.0	300.8	296.0	288.1	280.2	278.5
G55.0	297.9	301.3	304.3	303.5	299.0	292.7	288.0	279.9	272.1	270.6
G56.0	288.9	292.3	295.0	294.1	290.1	284.0	279.0	271.1	263.3	261.9
G57.0	280.9	284.1	287.1	286.3	281.9	275.7	270.8	262.9	255.0	253.6
G58.0	272.9	275.8	278.6	278.0	273.5	267.6	262.2	254.3	246.4	245.1
G59.0	263.4	266.7	269.8	268.8	264.6	258.2	252.7	245.2	237.3	235.9
G60.0	255.3	258.5	261.3	260.4	256.0	250.1	244.4	236.5	228.7	227.3
G61.0	245.6	249.1	252.0	251.0	246.9	240.6	235.3	227.4	219.5	218.2
G62.0	237.5	240.8	243.5	242.6	238.6	232.3	226.5	219.1	210.8	209.9
G63.0	228.7	231.9	234.7	233.8	229.6	223.6	218.2	210.3	202.4	201.1
G64.0	219.5	222.7	225.5	224.5	220.2	214.5	209.0	201.0	193.2	191.9
G65.0	210.9	213.8	216.6	216.0	211.6	205.6	200.0	192.2	184.4	183.1
G66.0	202.2	205.5	208.1	207.1	203.3	197.4	191.5	183.7	176.0	174.8
G67.0	192.5	195.7	198.4	197.4	193.5	187.6	182.1	174.5	166.8	165.7
G68.0	184.0	187.3	189.8	188.9	185.2	179.2	173.2	165.6	158.1	157.0
G69.0	174.3	177.5	180.1	179.2	175.4	169.5	163.5	156.5	148.5	147.9
G70.0	165.9	169.1	171.5	170.5	167.0	161.1	155.1	147.7	140.2	139.2
G71.0	157.0	160.1	162.6	161.6	158.1	152.7	146.6	139.5	132.0	131.0
G72.0	147.8	151.0	153.4	152.3	148.9	143.2	137.1	129.9	122.6	121.7
G73.0	139.3	142.0	144.5	143.5	140.0	134.8	128.6	121.7	114.5	113.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	130.6	133.8	136.2	135.2	131.2	126.2	119.9	113.1	106.1	105.2
G75.0	121.2	124.3	126.6	125.7	122.2	117.1	111.0	104.3	97.2	96.5
G76.0	112.9	116.0	118.4	117.4	113.6	108.6	102.4	95.8	88.9	88.3
G77.0	103.6	106.7	109.0	108.0	104.7	99.4	93.4	87.0	80.4	79.7
G78.0	95.4	98.6	100.9	99.9	96.6	91.3	85.0	79.1	72.6	72.1
G79.0	87.0	90.1	92.4	91.5	88.3	82.9	77.0	70.9	64.6	64.1
G80.0	78.2	81.0	83.4	82.4	79.1	74.3	68.4	62.5	56.5	56.0
G81.0	69.9	73.2	75.4	74.5	71.3	66.1	60.2	54.5	48.8	48.8
G82.0	62.1	65.3	67.7	66.8	63.2	58.4	52.5	47.1	41.7	41.4
G83.0	53.4	56.6	59.0	58.2	55.0	49.8	43.9	39.2	33.7	33.9
G84.0	45.9	49.1	51.5	50.8	47.5	42.4	36.5	31.8	26.9	27.1
G85.0	37.8	40.7	43.2	42.4	39.3	34.1	28.6	24.2	19.9	19.8
G86.0	30.3	33.5	36.2	35.5	32.2	27.1	21.3	17.2	13.3	13.6
G87.0	22.9	26.2	28.9	28.3	25.0	20.2	14.6	10.9	7.5	7.7
G88.0	15.5	18.7	21.6	21.0	17.7	12.7	7.4	4.3	2.6	2.8
G89.0	9.1	12.2	15.1	14.6	11.1	6.6	2.6	2.6	2.7	2.7
G90.0	3.2	5.9	8.6	8.2	5.2	2.2	2.6	2.7	2.8	2.8
G91.0	2.2	2.3	2.9	2.6	2.1	2.2	2.7	2.9	3.0	2.9
G92.0	2.4	2.4	2.2	2.2	2.2	2.3	2.9	3.0	3.1	3.1
G93.0	2.4	2.5	2.3	2.3	2.3	2.5	3.0	3.2	3.3	3.2
G94.0	2.6	2.6	2.5	2.5	2.5	2.6	3.2	3.4	3.5	3.5
G95.0	2.7	2.8	2.5	2.6	2.6	2.7	3.3	3.5	3.6	3.5
G96.0	2.9	2.9	2.7	2.7	2.8	2.9	3.5	3.7	3.8	3.8
G97.0	3.0	3.0	2.9	2.8	2.9	3.0	3.7	3.8	4.0	3.9
G98.0	3.2	3.2	3.0	3.0	3.0	3.2	3.9	4.1	4.2	4.1
G99.0	3.4	3.3	3.2	3.2	3.2	3.3	4.1	4.2	4.4	4.3
G100.0	3.5	3.5	3.3	3.2	3.4	3.4	4.3	4.3	4.5	4.4
G101.0	3.7	3.7	3.5	3.5	3.5	3.6	4.5	4.6	4.7	4.7
G102.0	3.8	3.8	3.6	3.6	3.7	3.8	4.6	4.8	4.9	4.8
G103.0	4.1	4.0	3.7	3.7	3.8	3.9	4.8	4.9	5.1	5.0
G104.0	4.2	4.1	3.9	3.9	4.0	4.1	5.1	5.1	5.2	5.3
G105.0	4.4	4.3	4.1	4.0	4.1	4.3	5.3	5.3	5.4	5.4
G106.0	4.7	4.5	4.2	4.3	4.3	4.5	5.5	5.5	5.6	5.6
G107.0	4.8	4.7	4.4	4.5	4.5	4.6	5.7	5.7	5.8	5.8
G108.0	5.0	4.8	4.6	4.6	4.7	4.7	5.9	5.8	6.0	5.9
G109.0	5.2	5.0	4.8	4.8	4.8	5.0	6.0	6.0	6.1	6.1
G110.0	5.4	5.1	4.9	4.9	5.0	5.1	6.2	6.2	6.3	6.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	5.5	5.3	5.1	5.1	5.2	5.2	6.4	6.4	6.5	6.6
G112.0	5.7	5.5	5.3	5.3	5.3	5.4	6.6	6.6	6.7	6.8
G113.0	5.9	5.6	5.5	5.5	5.5	5.6	6.9	6.8	6.8	6.9
G114.0	6.1	5.8	5.6	5.7	5.6	5.8	7.0	7.0	7.0	7.1
G115.0	6.3	5.9	5.8	5.8	5.8	5.9	7.2	7.2	7.2	7.3
G116.0	6.4	6.1	5.9	6.0	6.0	6.0	7.4	7.3	7.4	7.5
G117.0	6.6	6.3	6.1	6.2	6.2	6.3	7.5	7.5	7.5	7.7
G118.0	6.8	6.5	6.2	6.4	6.3	6.4	7.8	7.7	7.7	7.8
G119.0	7.0	6.6	6.4	6.5	6.5	6.5	7.8	7.8	7.9	8.1
G120.0	7.2	6.7	6.5	6.8	6.7	6.6	8.1	8.0	8.1	8.2
G121.0	7.3	6.9	6.7	6.9	6.8	6.8	8.2	8.1	8.2	8.4
G122.0	7.5	7.1	6.8	7.1	6.9	7.0	8.4	8.3	8.4	8.5
G123.0	7.7	7.2	7.0	7.2	7.1	7.1	8.5	8.4	8.5	8.7
G124.0	7.8	7.4	7.2	7.4	7.3	7.3	8.7	8.6	8.6	8.8
G125.0	7.9	7.5	7.3	7.6	7.4	7.4	8.8	8.8	8.8	9.0
G126.0	8.1	7.7	7.5	7.8	7.5	7.6	9.0	8.9	9.0	9.1
G127.0	8.2	7.8	7.7	7.9	7.6	7.7	9.2	9.1	9.1	9.2
G128.0	8.4	8.0	7.8	8.0	7.8	7.9	9.3	9.2	9.3	9.4
G129.0	8.6	8.1	7.9	8.2	7.9	8.0	9.4	9.4	9.4	9.5
G130.0	8.7	8.2	8.1	8.3	8.1	8.1	9.6	9.5	9.5	9.7
G131.0	8.9	8.4	8.2	8.4	8.2	8.3	9.8	9.7	9.6	9.8
G132.0	9.0	8.5	8.4	8.6	8.4	8.4	9.9	9.8	9.7	9.9
G133.0	9.2	8.6	8.5	8.8	8.6	8.5	10.1	9.9	9.9	10.0
G134.0	9.3	8.8	8.6	8.9	8.6	8.7	10.2	10.0	10.0	10.2
G135.0	9.4	8.9	8.7	9.0	8.8	8.7	10.4	10.2	10.2	10.2
G136.0	9.5	9.0	8.9	9.1	8.9	8.9	10.4	10.3	10.3	10.4
G137.0	9.6	9.2	9.0	9.3	9.0	9.0	10.6	10.4	10.4	10.4
G138.0	9.8	9.4	9.2	9.4	9.1	9.2	10.7	10.5	10.4	10.5
G139.0	9.9	9.5	9.3	9.5	9.3	9.3	10.8	10.7	10.6	10.6
G140.0	10.0	9.6	9.4	9.6	9.4	9.4	11.0	10.8	10.7	10.8
G141.0	10.1	9.8	9.6	9.7	9.5	9.6	11.1	10.9	10.8	10.9
G142.0	10.2	9.9	9.6	9.8	9.6	9.6	11.2	11.0	10.9	10.9
G143.0	10.3	9.9	9.8	9.9	9.7	9.8	11.3	11.0	11.1	11.0
G144.0	10.4	10.1	9.8	10.0	9.9	9.9	11.3	11.1	11.1	11.1
G145.0	10.5	10.3	10.0	10.1	10.0	10.1	11.4	11.2	11.1	11.2
G146.0	10.7	10.4	10.1	10.2	10.1	10.2	11.5	11.4	11.3	11.3
G147.0	10.8	10.5	10.2	10.3	10.2	10.3	11.6	11.4	11.4	11.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	10.9	10.6	10.3	10.3	10.3	10.4	11.7	11.6	11.5	11.4
G149.0	11.0	10.8	10.4	10.4	10.4	10.6	11.8	11.7	11.6	11.5
G150.0	11.1	10.9	10.5	10.5	10.5	10.8	11.8	11.8	11.6	11.6
G151.0	11.2	11.1	10.6	10.6	10.6	10.9	11.9	11.9	11.7	11.6
G152.0	11.3	11.1	10.7	10.7	10.8	11.0	12.0	12.0	11.8	11.7
G153.0	11.4	11.2	10.9	10.8	10.8	11.1	12.0	12.1	11.9	11.8
G154.0	11.5	11.4	11.0	10.9	10.9	11.2	12.1	12.1	11.9	11.9
G155.0	11.6	11.5	11.1	10.9	10.9	11.3	12.2	12.2	12.0	12.0
G156.0	11.6	11.6	11.2	11.1	11.1	11.4	12.2	12.3	12.1	12.0
G157.0	11.8	11.6	11.3	11.1	11.2	11.6	12.3	12.4	12.1	12.1
G158.0	11.8	11.7	11.5	11.2	11.3	11.6	12.4	12.4	12.2	12.2
G159.0	11.9	11.8	11.6	11.3	11.4	11.7	12.4	12.5	12.3	12.2
G160.0	12.0	11.9	11.7	11.5	11.4	11.8	12.6	12.5	12.3	12.3
G161.0	12.1	12.0	11.8	11.5	11.5	11.9	12.6	12.6	12.4	12.4
G162.0	12.2	12.0	11.9	11.6	11.6	12.0	12.7	12.6	12.4	12.4
G163.0	12.2	12.1	11.9	11.7	11.7	12.1	12.8	12.7	12.4	12.5
G164.0	12.3	12.1	12.1	11.8	11.8	12.1	12.9	12.8	12.6	12.6
G165.0	12.4	12.2	12.1	11.9	11.9	12.1	12.9	12.8	12.6	12.7
G166.0	12.5	12.3	12.3	12.0	12.0	12.3	13.0	12.9	12.7	12.8
G167.0	12.6	12.4	12.4	12.1	12.0	12.4	13.0	12.9	12.8	12.9
G168.0	12.7	12.4	12.6	12.1	12.2	12.4	13.1	13.1	12.9	13.0
G169.0	12.8	12.5	12.7	12.3	12.2	12.5	13.2	13.1	12.9	13.1
G170.0	12.9	12.7	12.8	12.4	12.4	12.6	13.3	13.1	13.1	13.3
G171.0	13.0	12.8	12.9	12.6	12.5	12.6	13.4	13.2	13.1	13.3
G172.0	13.1	12.9	12.9	12.7	12.6	12.7	13.5	13.3	13.3	13.4
G173.0	13.3	13.0	13.0	12.8	12.8	12.8	13.5	13.3	13.3	13.4
G174.0	13.4	13.1	13.1	13.1	12.9	13.0	13.6	13.3	13.4	13.5
G175.0	13.5	13.3	13.2	13.2	13.0	13.0	13.7	13.4	13.4	13.6
G176.0	13.6	13.3	13.3	13.4	13.1	13.1	13.8	13.4	13.5	13.6
G177.0	13.7	13.4	13.3	13.5	13.2	13.2	13.8	13.5	13.4	13.7
G178.0	13.7	13.4	13.4	13.6	13.3	13.3	13.9	13.5	13.4	13.7
G179.0	13.8	13.5	13.4	13.7	13.2	13.3	13.9	13.6	13.4	13.7
G180.0	13.8	13.5	13.4	13.8	13.4	13.3	13.9	13.6	13.5	13.7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	546.5	545.8	553.7							
G1.0	545.8	545.3	553.3							
G2.0	545.4	545.0	553.4							
G3.0	544.3	544.2	552.8							
G4.0	543.5	543.5	552.4							
G5.0	542.2	542.4	551.5							
G6.0	540.8	541.3	550.7							
G7.0	539.3	540.2	549.4							
G8.0	537.6	538.4	548.2							
G9.0	535.6	536.8	546.5							
G10.0	533.5	534.6	545.0							
G11.0	531.2	532.5	542.9							
G12.0	528.7	530.1	540.9							
G13.0	526.2	528.0	538.8							
G14.0	523.3	525.2	536.1							
G15.0	520.3	522.5	533.7							
G16.0	516.8	519.3	530.7							
G17.0	513.7	516.2	528.0							
G18.0	510.1	513.0	524.9							
G19.0	506.3	509.2	521.4							
G20.0	502.5	505.7	517.8							
G21.0	498.4	501.7	514.3							
G22.0	494.1	497.7	510.3							
G23.0	489.6	493.4	506.0							
G24.0	484.9	488.9	501.8							
G25.0	480.1	484.5	497.3							
G26.0	475.8	479.9	492.8							
G27.0	470.3	474.7	487.9							
G28.0	465.1	470.0	482.9							
G29.0	459.9	464.7	478.4							
G30.0	454.2	459.3	472.5							
G31.0	448.6	453.9	467.5							
G32.0	442.5	447.9	461.9							
G33.0	436.7	442.4	456.2							
G34.0	430.8	436.5	450.5							
G35.0	424.2	430.2	444.2							
G36.0	418.1	424.1	438.3							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	411.8	418.1	432.3							
G38.0	405.2	411.0	425.5							
G39.0	398.2	404.8	419.1							
G40.0	390.8	397.5	412.1							
G41.0	384.1	391.0	405.5							
G42.0	377.6	384.5	398.6							
G43.0	369.6	376.6	391.3							
G44.0	362.8	370.0	384.1							
G45.0	354.9	362.2	377.3							
G46.0	347.5	355.0	369.7							
G47.0	340.0	347.6	362.2							
G48.0	332.1	339.5	354.2							
G49.0	324.1	332.0	346.5							
G50.0	316.7	324.7	339.0							
G51.0	308.5	316.4	330.6							
G52.0	300.3	308.4	322.6							
G53.0	291.8	300.0	314.1							
G54.0	283.7	291.8	305.9							
G55.0	275.5	284.0	297.9							
G56.0	266.7	275.2	288.9							
G57.0	258.7	267.3	280.9							
G58.0	250.1	258.8	272.9							
G59.0	241.3	250.0	263.4							
G60.0	233.0	241.4	255.3							
G61.0	223.7	232.6	245.6							
G62.0	215.4	224.3	237.5							
G63.0	206.8	215.8	228.7							
G64.0	197.6	206.6	219.5							
G65.0	189.2	198.3	210.9							
G66.0	180.5	189.5	202.2							
G67.0	171.4	180.5	192.5							
G68.0	163.2	172.2	184.0							
G69.0	153.7	162.6	174.3							
G70.0	145.0	153.9	165.9							
G71.0	136.9	145.8	157.0							
G72.0	127.9	136.4	147.8							
G73.0	119.4	128.2	139.3							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	111.3	119.7	130.6							
G75.0	102.3	110.8	121.2							
G76.0	94.3	102.4	112.9							
G77.0	85.3	93.8	103.6							
G78.0	77.5	85.8	95.4							
G79.0	69.6	77.7	87.0							
G80.0	61.3	69.2	78.2							
G81.0	53.9	61.2	69.9							
G82.0	46.3	53.7	62.1							
G83.0	38.5	45.7	53.4							
G84.0	31.2	38.1	45.9							
G85.0	23.9	30.5	37.8							
G86.0	17.5	23.3	30.3							
G87.0	11.0	16.7	22.9							
G88.0	5.0	9.6	15.5							
G89.0	2.5	4.1	9.1							
G90.0	2.6	2.6	3.2							
G91.0	2.7	2.7	2.2							
G92.0	2.9	2.8	2.4							
G93.0	3.1	3.0	2.4							
G94.0	3.2	3.1	2.6							
G95.0	3.4	3.3	2.7							
G96.0	3.5	3.4	2.9							
G97.0	3.8	3.6	3.0							
G98.0	3.9	3.8	3.2							
G99.0	4.1	3.9	3.4							
G100.0	4.3	4.1	3.5							
G101.0	4.4	4.3	3.7							
G102.0	4.7	4.5	3.8							
G103.0	4.8	4.7	4.1							
G104.0	5.0	4.9	4.2							
G105.0	5.2	5.1	4.4							
G106.0	5.4	5.3	4.7							
G107.0	5.4	5.5	4.8							
G108.0	5.7	5.6	5.0							
G109.0	6.0	5.8	5.2							
G110.0	6.2	6.0	5.4							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	6.3	6.1	5.5							
G112.0	6.5	6.3	5.7							
G113.0	6.6	6.5	5.9							
G114.0	6.8	6.7	6.1							
G115.0	7.0	6.9	6.3							
G116.0	7.2	7.0	6.4							
G117.0	7.4	7.2	6.6							
G118.0	7.6	7.4	6.8							
G119.0	7.7	7.5	7.0							
G120.0	7.8	7.7	7.2							
G121.0	8.0	7.8	7.3							
G122.0	8.2	8.0	7.5							
G123.0	8.4	8.1	7.7							
G124.0	8.4	8.3	7.8							
G125.0	8.7	8.5	7.9							
G126.0	8.8	8.6	8.1							
G127.0	8.9	8.8	8.2							
G128.0	9.1	8.9	8.4							
G129.0	9.1	9.1	8.6							
G130.0	9.3	9.2	8.7							
G131.0	9.5	9.4	8.9							
G132.0	9.6	9.6	9.0							
G133.0	9.8	9.7	9.2							
G134.0	9.9	9.8	9.3							
G135.0	10.0	9.9	9.4							
G136.0	10.1	10.1	9.5							
G137.0	10.2	10.2	9.6							
G138.0	10.3	10.3	9.8							
G139.0	10.4	10.4	9.9							
G140.0	10.5	10.5	10.0							
G141.0	10.7	10.6	10.1							
G142.0	10.8	10.7	10.2							
G143.0	10.9	10.8	10.3							
G144.0	11.0	10.9	10.4							
G145.0	11.1	11.0	10.5							
G146.0	11.2	11.2	10.7							
G147.0	11.3	11.3	10.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	11.4	11.3	10.9							
G149.0	11.5	11.4	11.0							
G150.0	11.6	11.5	11.1							
G151.0	11.7	11.6	11.2							
G152.0	11.7	11.7	11.3							
G153.0	11.8	11.8	11.4							
G154.0	11.9	11.9	11.5							
G155.0	12.0	12.0	11.6							
G156.0	12.0	12.0	11.6							
G157.0	12.1	12.1	11.8							
G158.0	12.2	12.2	11.8							
G159.0	12.3	12.3	11.9							
G160.0	12.4	12.4	12.0							
G161.0	12.5	12.4	12.1							
G162.0	12.6	12.5	12.2							
G163.0	12.6	12.6	12.2							
G164.0	12.7	12.6	12.3							
G165.0	12.8	12.7	12.4							
G166.0	12.8	12.8	12.5							
G167.0	12.9	12.9	12.6							
G168.0	13.0	12.9	12.7							
G169.0	13.0	13.0	12.8							
G170.0	13.1	13.1	12.9							
G171.0	13.2	13.1	13.0							
G172.0	13.3	13.2	13.1							
G173.0	13.3	13.3	13.3							
G174.0	13.4	13.3	13.4							
G175.0	13.4	13.3	13.5							
G176.0	13.4	13.3	13.6							
G177.0	13.4	13.4	13.7							
G178.0	13.5	13.3	13.7							
G179.0	13.4	13.3	13.8							
G180.0	13.4	13.3	13.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector: