

Report No.: 202603111046

Test Time: 2026-03-11 10:50

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ASD-LPR-7D15BK-CCT-5000K

Voltage: 120.9 V

Current: 0.121 A

Power: 13.93 W

Power Factor: 0.950

Photometric Results

CIE Class: Direct

Measurement Flux: 1085.7 lm

Downward Ratio: 97%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.0, 163.9, 163.7, 164.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.5, 113.3, 113.1, 113.7

Luminaire Efficacy Rating (LER): 77.99

Total Rated Lamp Lumens: 1085.7 lm

Efficiency: 100%

Upward Ratio: 3%

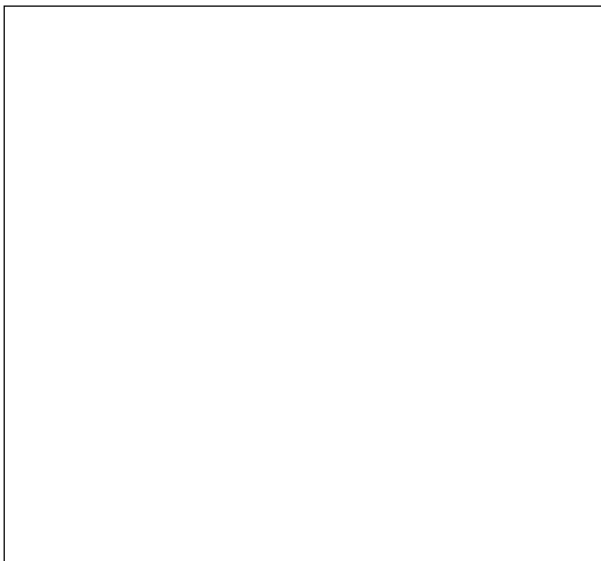
Central Intensity: 361.35 cd

Pos of Max. Intensity: H30 V0

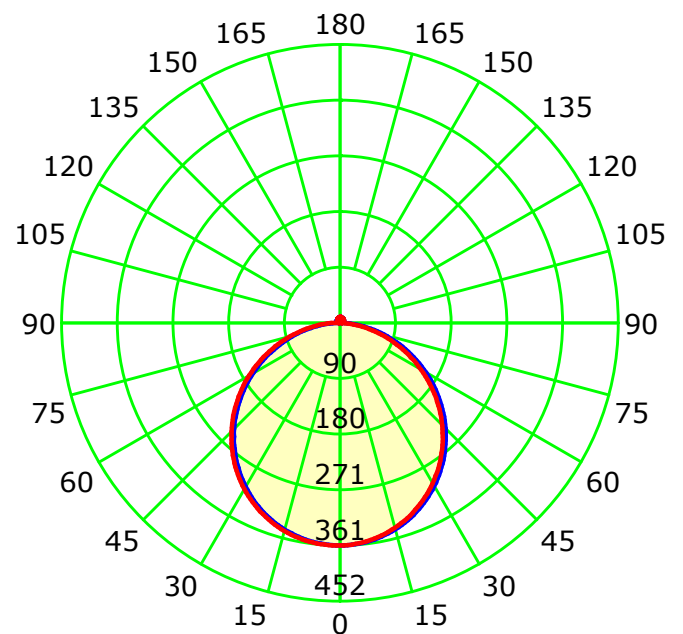
S/MH(C0/C180): 1.26

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

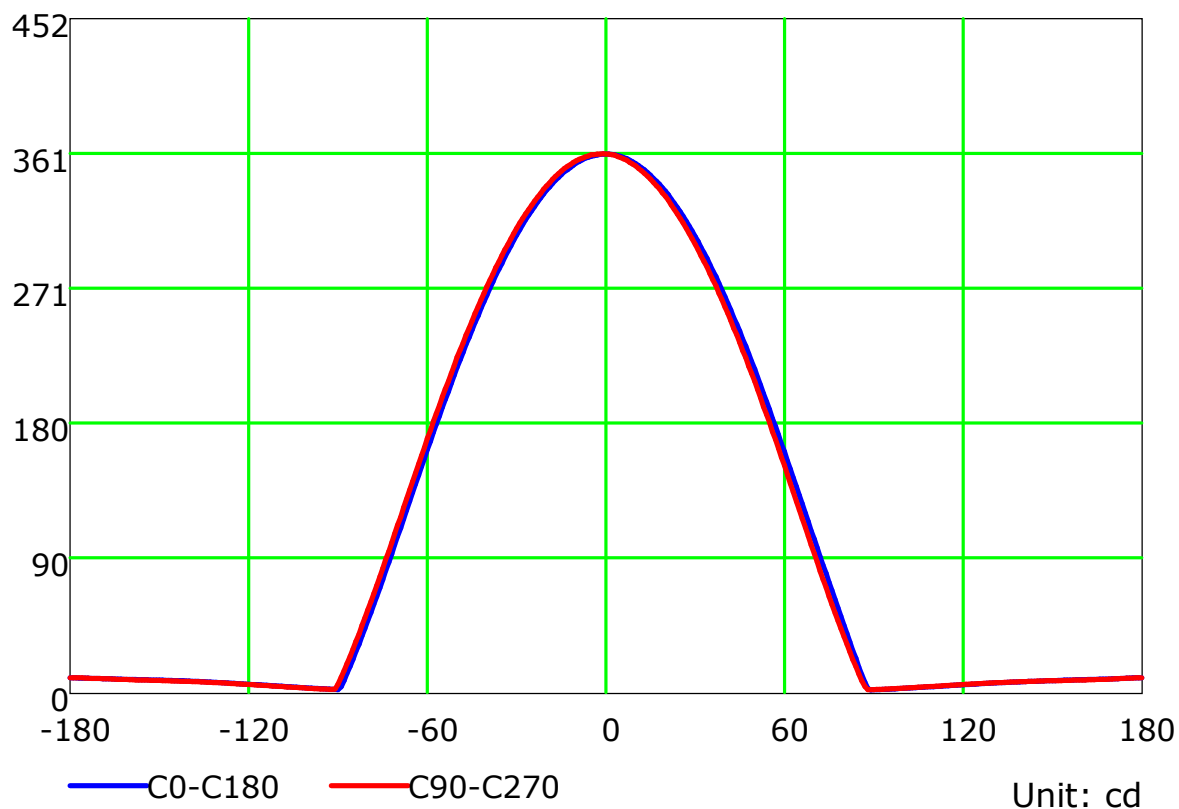
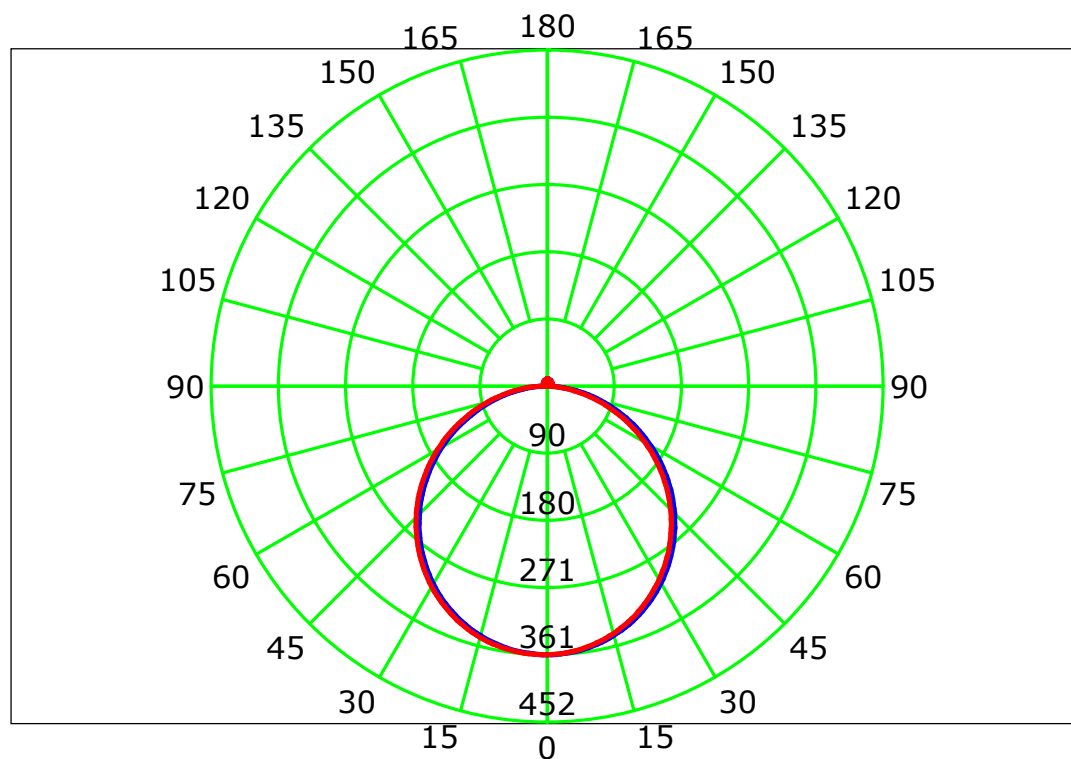
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

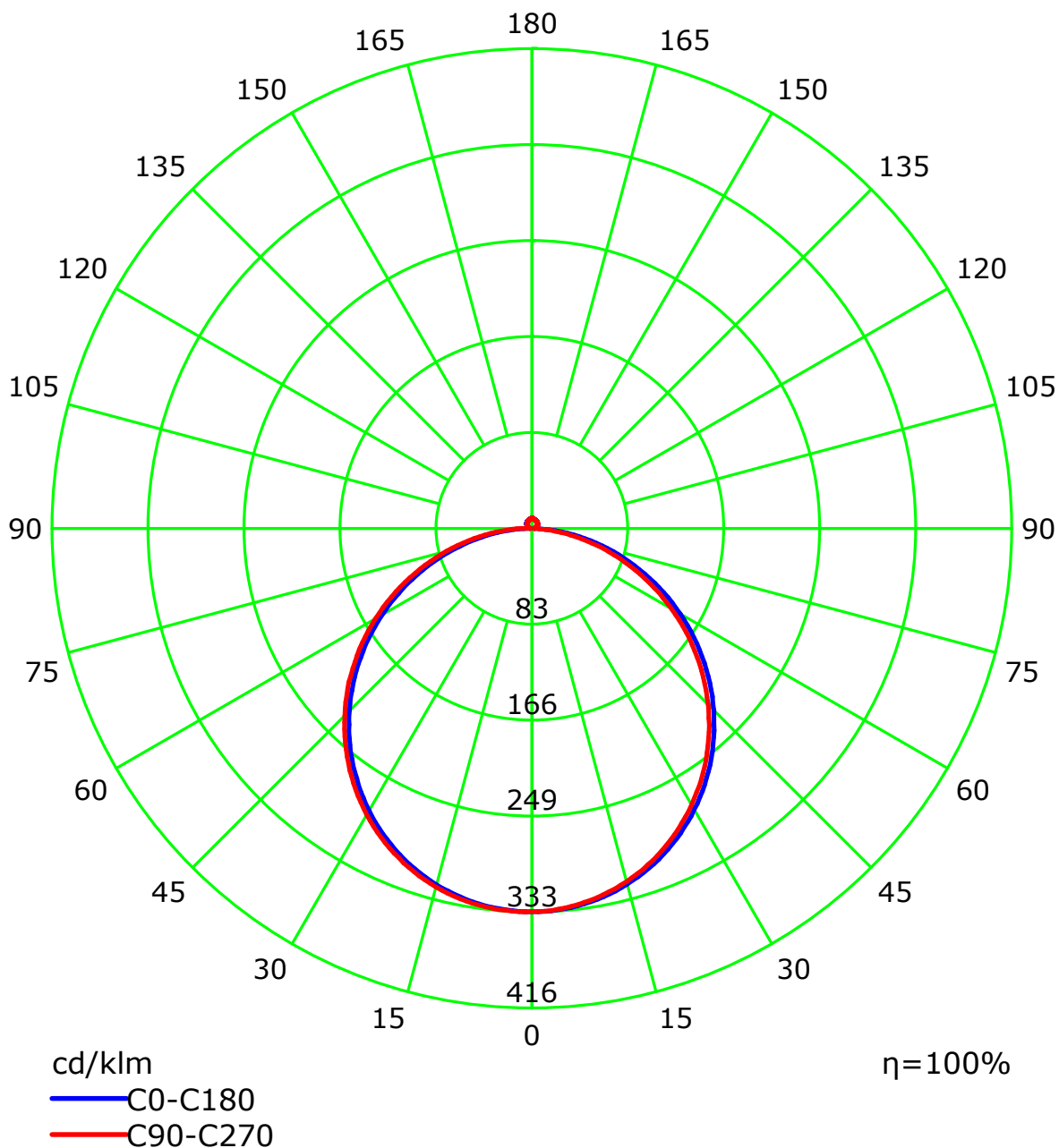
Luminous Intensity Distribution Curve



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:

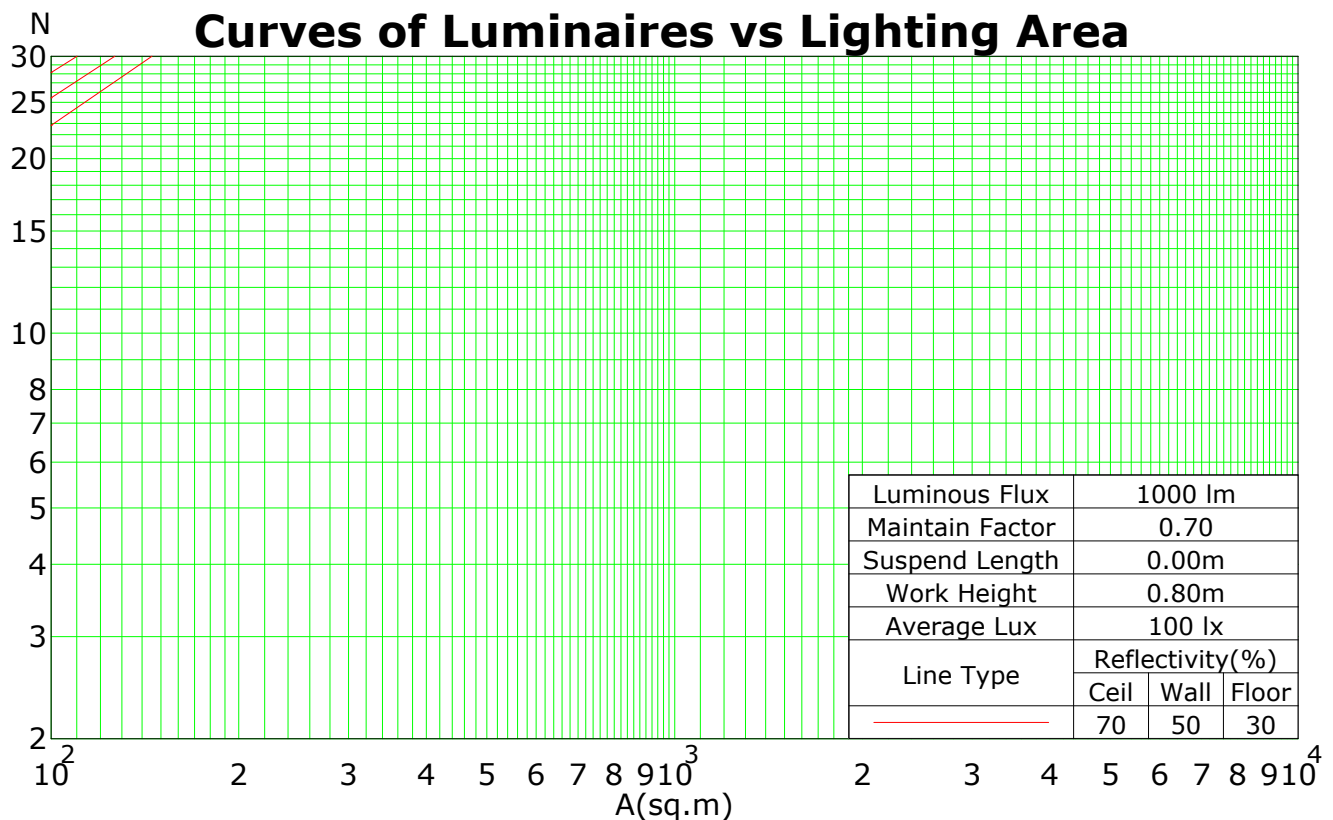
Coefficients Of Utilization - Zonal Cavity Method

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	109	109	109	104	104	104	99	99	99	97
1	108	103	98	95	105	100	96	93	95	92	89	91	88	86	87	85	83	80
2	98	89	82	77	95	87	81	75	83	78	73	79	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	59	53	65	58	52	62	56	51	60	54	50	48
5	75	62	53	46	72	61	52	46	58	51	45	56	49	44	54	48	43	41
6	69	56	47	40	67	54	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	37	32	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	29	25	35	29	25	23

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.38



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

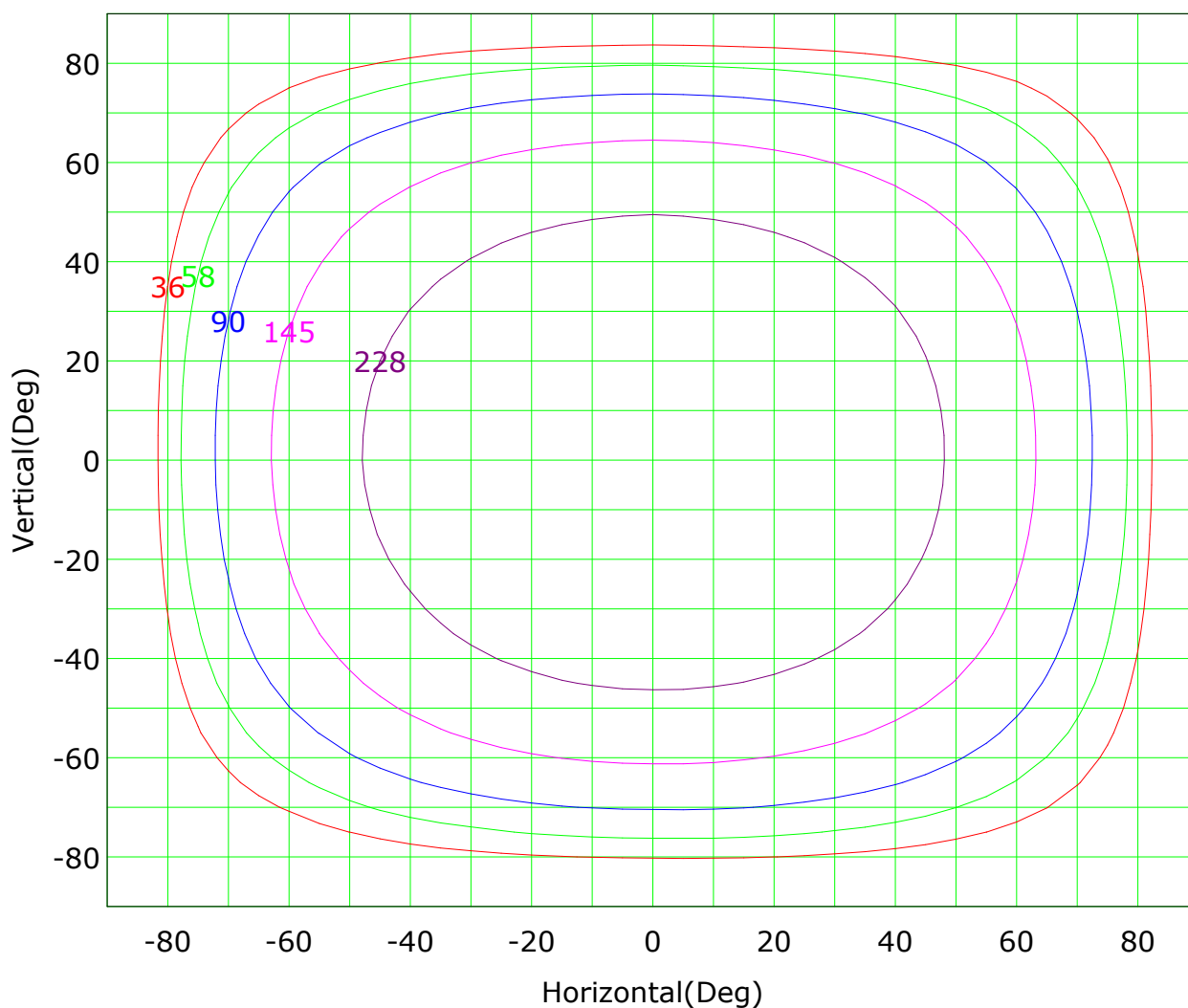
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 362 cd

(10%):	36 cd	(16%):	58 cd
(25%):	90 cd	(40%):	145 cd
(63%):	228 cd	(100%):	362 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

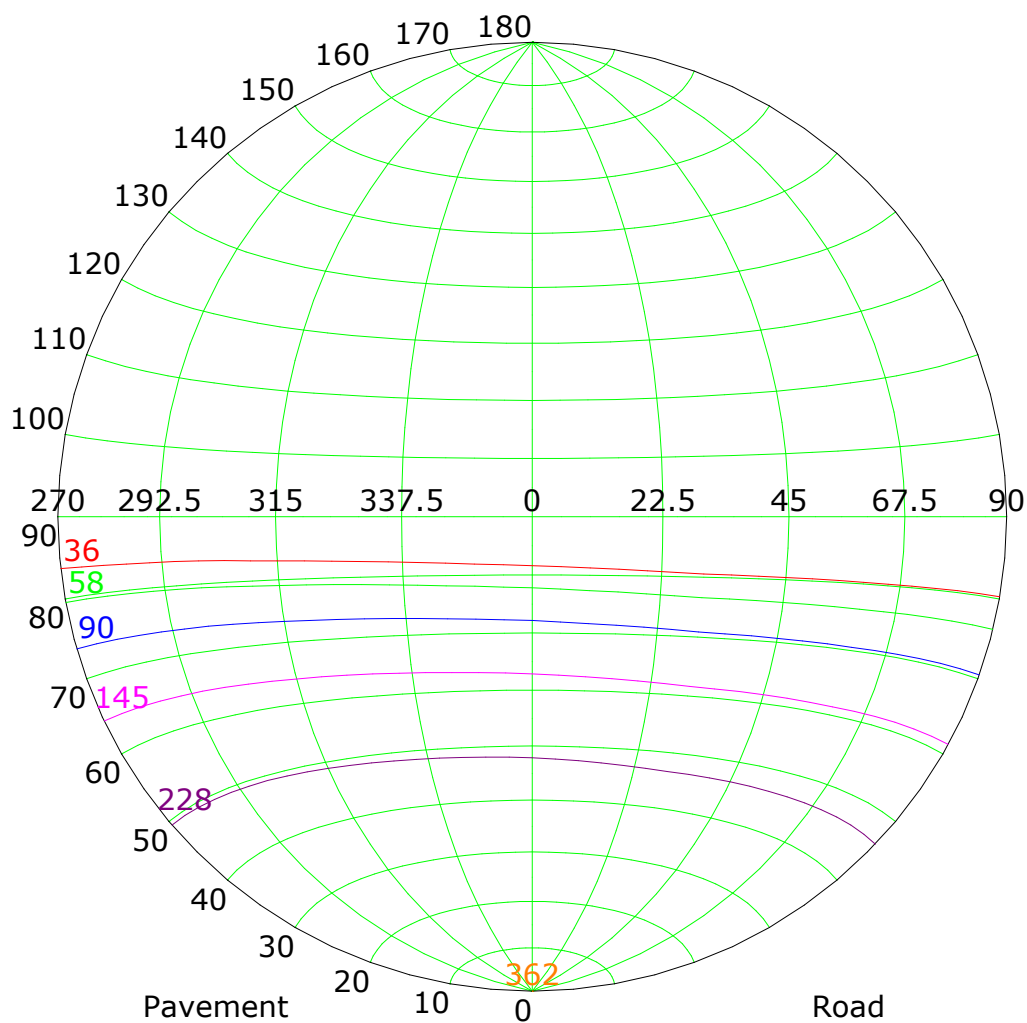
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 362 cd

(10%):	36 cd	(16%):	58 cd
(25%):	90 cd	(40%):	145 cd
(63%):	228 cd	(100%):	362 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

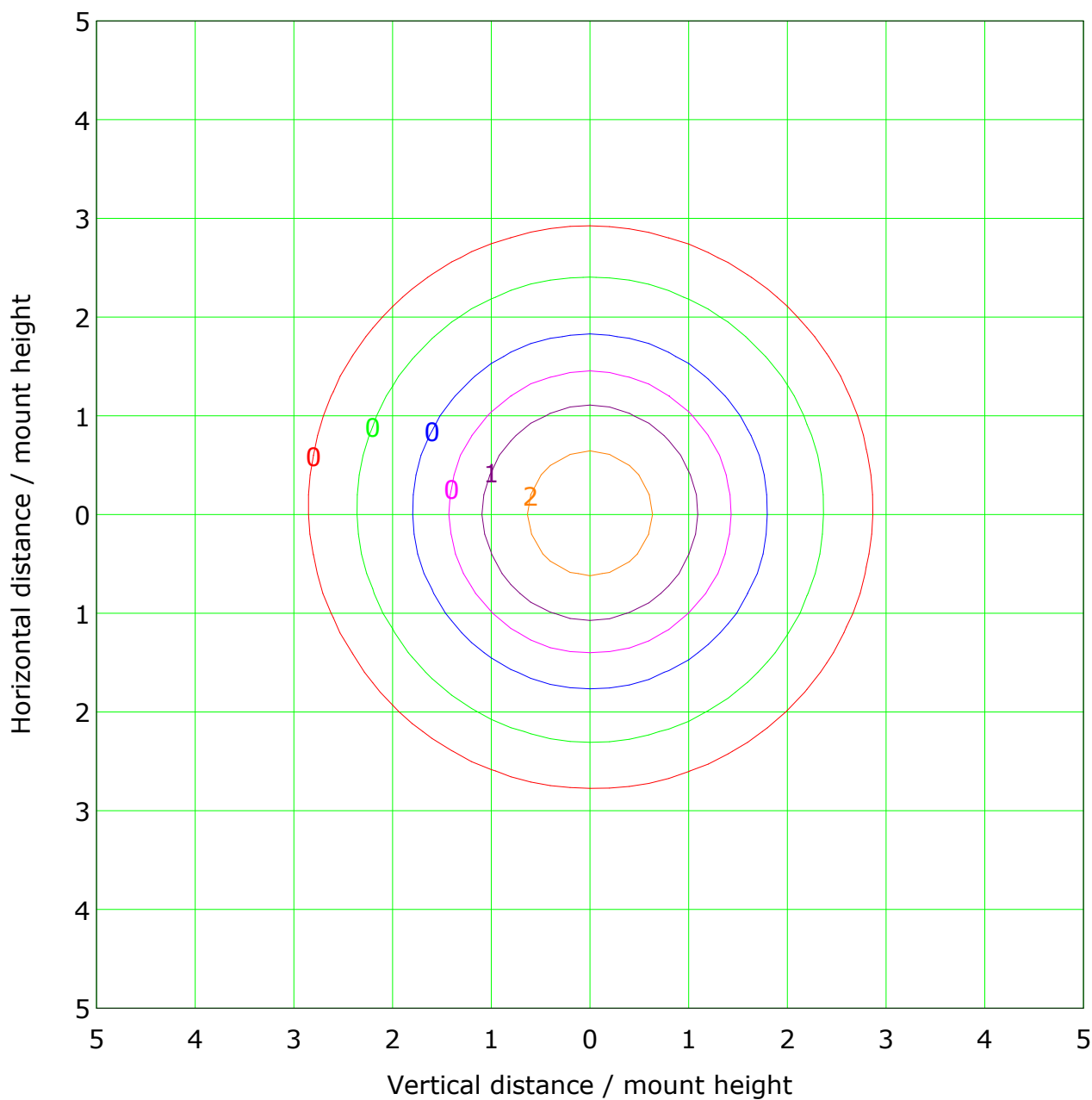
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.6 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.7 lx	(50%): 1.8 lx
(100%): 3.6 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

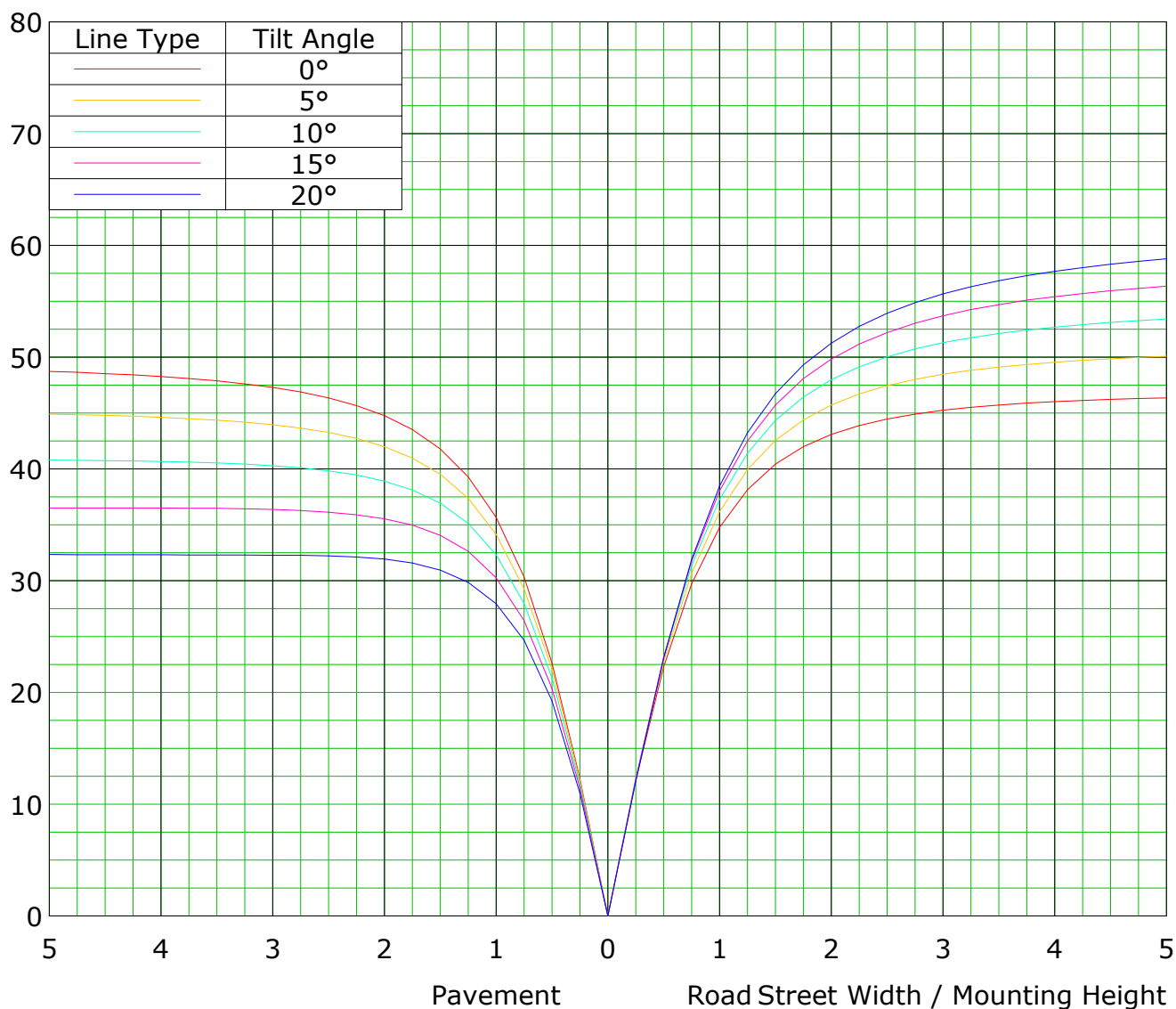
Distance: 8.432 m

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

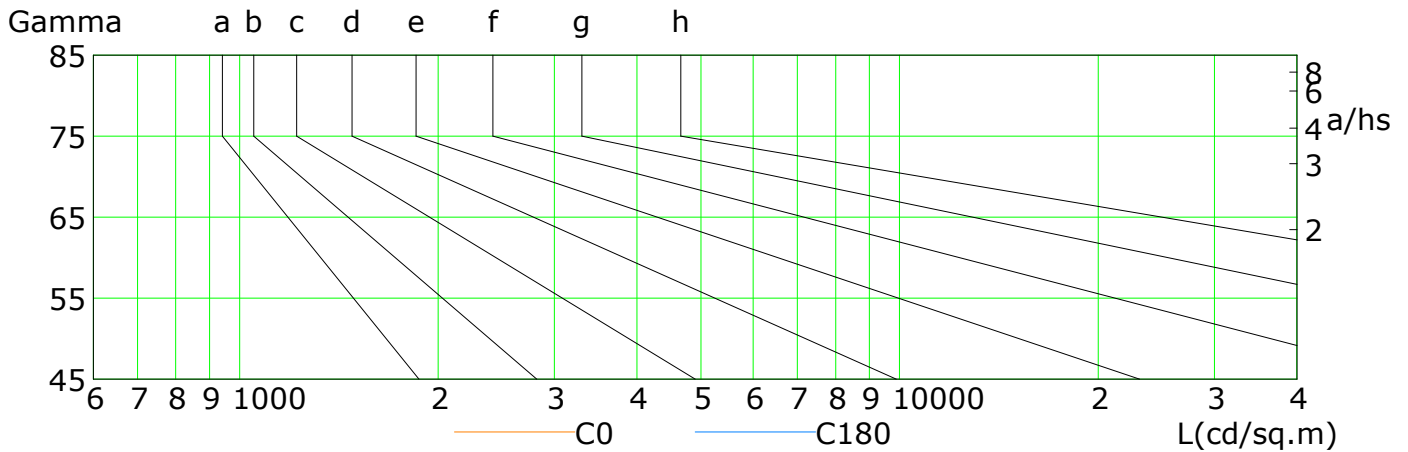
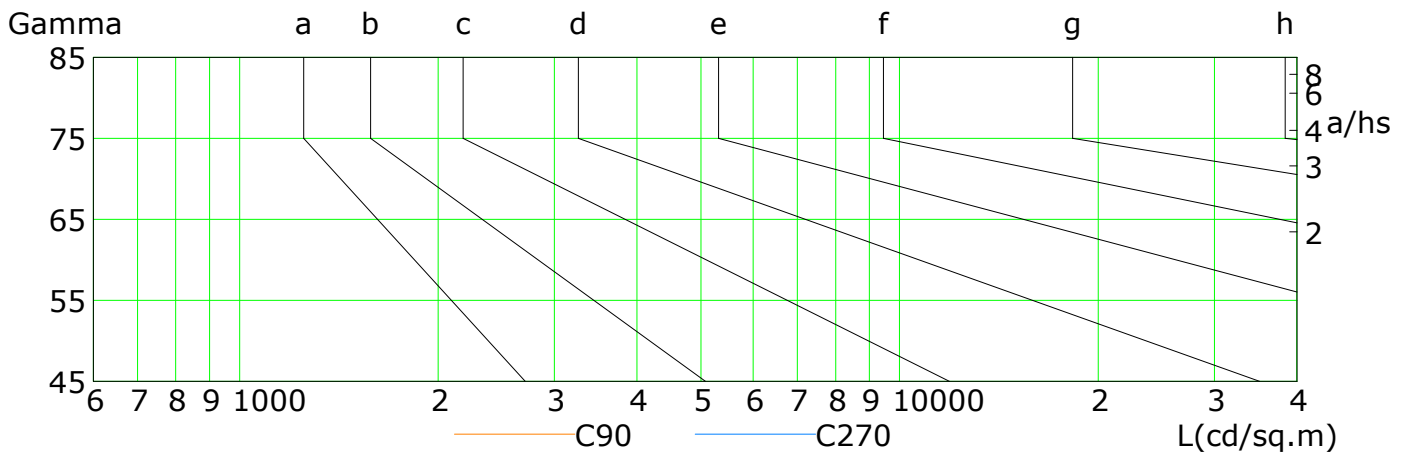
Humidity:

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	243	217	190	162	132	103	74	45	17
C90	235	209	181	152	123	93	65	37	13
C180	244	218	191	163	134	105	76	48	22
C270	250	225	198	171	142	112	83	55	29

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

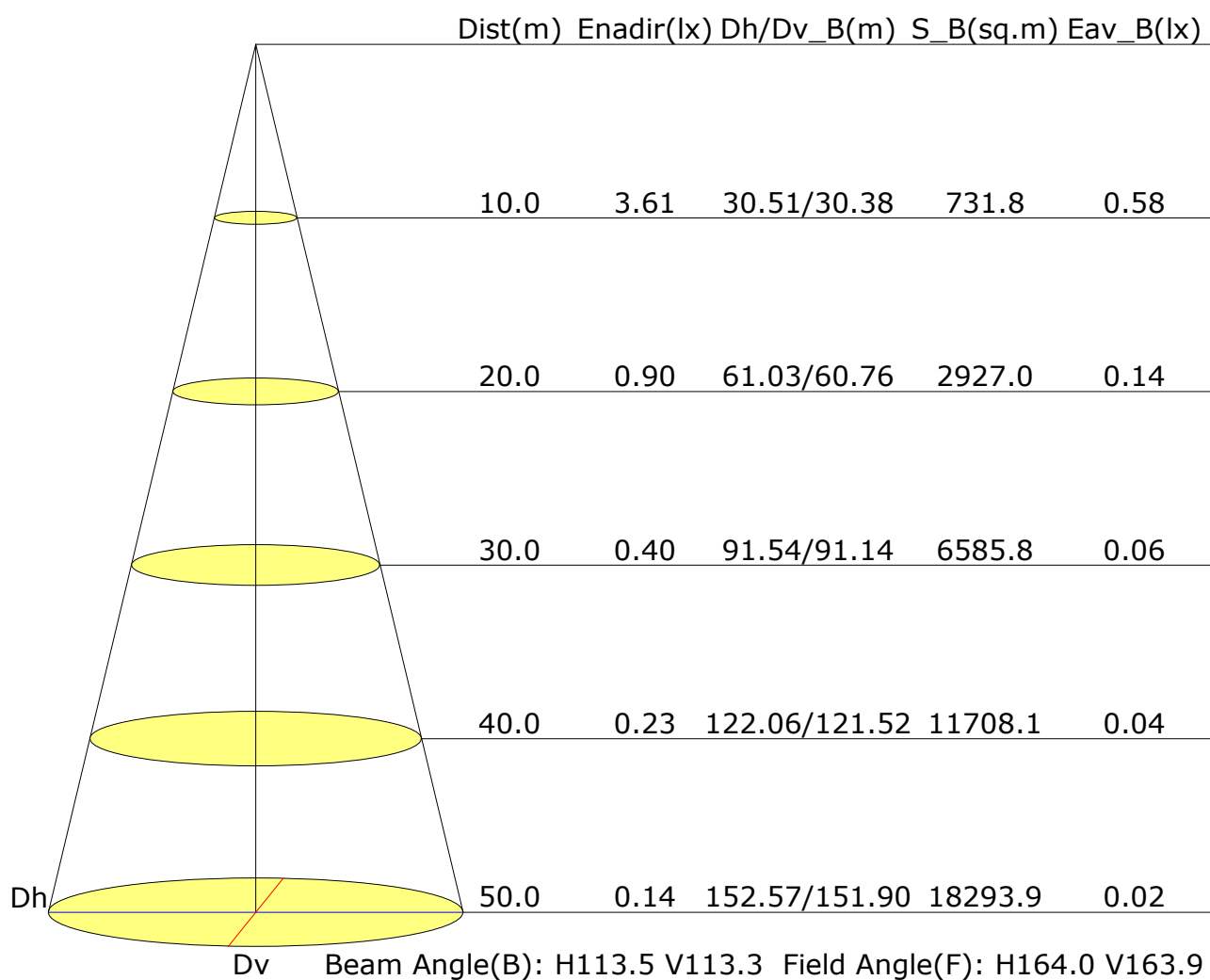
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

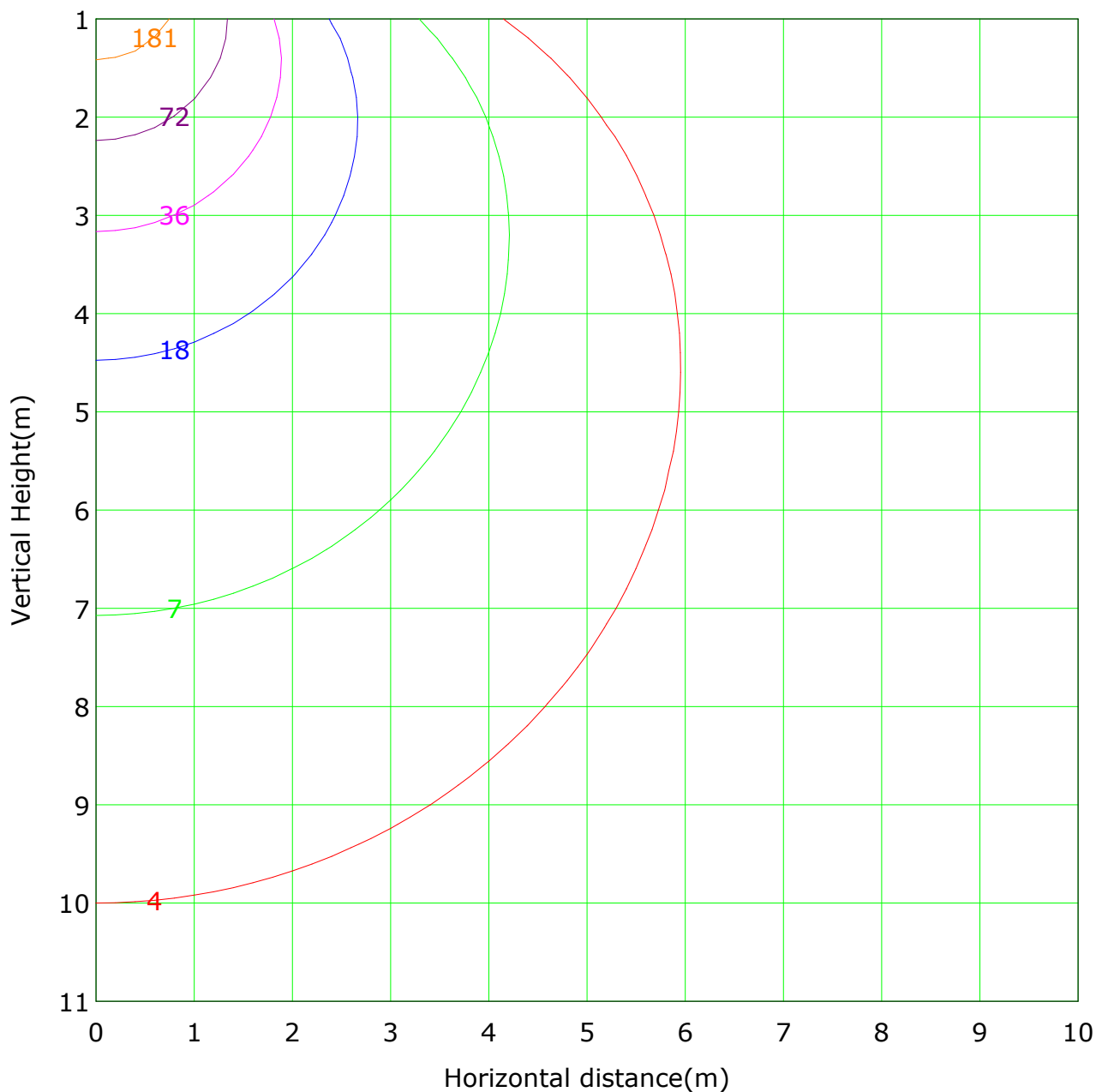
Illuminance at a Distance



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: 361.4 lx

(1%): 3.6 lx
 (2%): 7.2 lx
 (5%): 18.1 lx
 (10%): 36.1 lx
 (20%): 72.3 lx
 (50%): 180.7 lx
 (100%): 361.4 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

	Orbit: III																				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Vertical plane	-90	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1	0.0	0.0	7.8	3.0
	-80	0.0	0.2	0.4	0.8	1.2	1.6	2.0	2.3	2.5	2.5	2.4	2.1	1.7	1.2	0.8	0.4	0.1	0.0	22.2	21.1
	-70	0.0	0.3	0.7	1.3	2.0	2.8	3.5	4.0	4.3	4.3	4.0	3.5	2.8	2.0	1.3	0.7	0.2	0.0	37.6	37.2
	-60	0.0	0.3	1.0	1.8	2.9	3.9	4.9	5.6	6.0	6.0	5.6	4.9	3.9	2.8	1.8	0.9	0.3	0.0	52.6	52.4
	-50	0.1	0.4	1.2	2.3	3.6	4.9	6.1	7.0	7.5	7.5	7.0	6.1	4.9	3.6	2.3	1.2	0.4	0.0	66.3	66.2
	-40	0.1	0.5	1.4	2.7	4.3	5.8	7.2	8.3	8.8	8.8	8.2	7.2	5.8	4.2	2.7	1.4	0.5	0.1	78.0	77.9
	-30	0.1	0.6	1.6	3.0	4.8	6.5	8.1	9.2	9.8	9.8	9.2	8.0	6.5	4.7	3.0	1.6	0.5	0.1	87.0	87.0
	-20	0.1	0.6	1.7	3.2	5.1	7.0	8.6	9.9	10.5	10.5	9.8	8.6	6.9	5.0	3.2	1.7	0.6	0.1	93.1	93.0
	-10	0.1	0.6	1.7	3.3	5.2	7.2	8.9	10.2	10.9	10.8	10.1	8.9	7.1	5.2	3.3	1.7	0.6	0.1	96.0	95.9
	0	0.1	0.6	1.7	3.3	5.2	7.1	8.8	10.1	10.8	10.8	10.1	8.8	7.1	5.2	3.3	1.7	0.6	0.1	95.5	95.4
Horizontal plane	10	0.1	0.6	1.7	3.2	5.0	6.9	8.5	9.7	10.4	10.4	9.7	8.4	6.8	4.9	3.1	1.6	0.6	0.1	91.6	91.5
	20	0.1	0.6	1.5	3.0	4.6	6.3	7.9	9.0	9.6	9.6	8.9	7.8	6.2	4.5	2.9	1.5	0.5	0.1	84.6	84.5
	30	0.1	0.5	1.4	2.6	4.1	5.6	7.0	7.9	8.5	8.5	7.9	6.9	5.5	4.0	2.5	1.3	0.5	0.1	74.7	74.6
	40	0.1	0.4	1.1	2.2	3.4	4.7	5.8	6.6	7.1	7.1	6.6	5.7	4.6	3.3	2.1	1.1	0.4	0.0	62.3	62.1
	50	0.0	0.3	0.9	1.7	2.6	3.6	4.5	5.1	5.5	5.4	5.1	4.4	3.5	2.5	1.6	0.8	0.3	0.0	48.0	47.8
	60	0.0	0.2	0.6	1.2	1.8	2.5	3.1	3.5	3.7	3.7	3.4	3.0	2.4	1.7	1.1	0.5	0.2	0.0	32.6	32.1
	70	0.0	0.1	0.3	0.6	1.0	1.3	1.6	1.9	2.0	2.0	1.8	1.6	1.2	0.9	0.5	0.3	0.1	0.0	17.3	15.2
	80	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.0	0.0
	90	0.9	6.9	19.2	36.9	57.6	78.7	97.6	111.6	119.1	118.9	111.2	96.8	77.8	56.5	35.9	18.5	6.4	0.7	1051	
	Flux(E)	0.2	6.0	18.4	36.0	56.8	77.9	96.8	110.8	118.3	118.1	110.3	96.0	76.9	55.7	35.1	17.7	5.6	0.1		1037

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

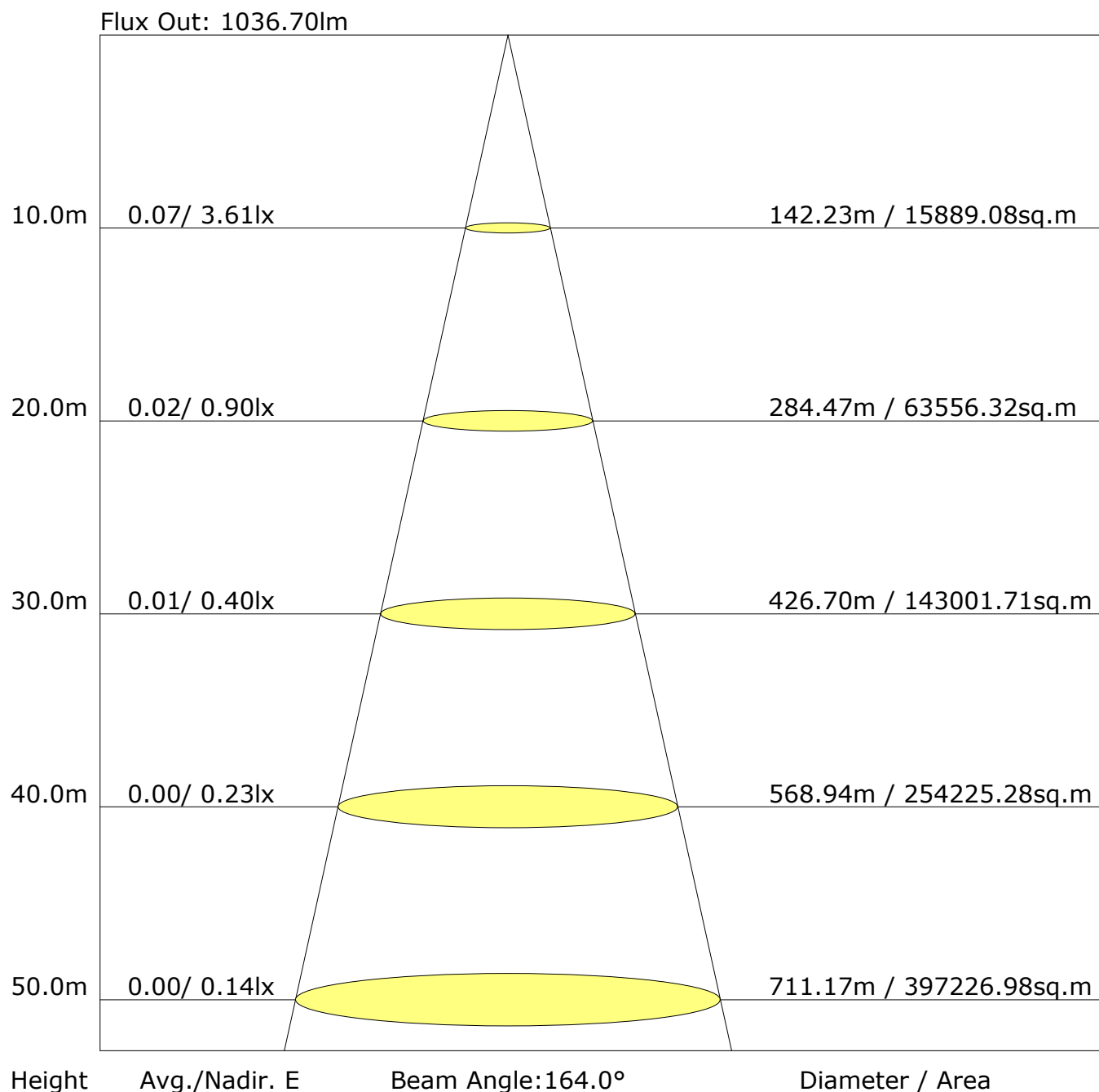
Test Device: GPM-1600L

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:

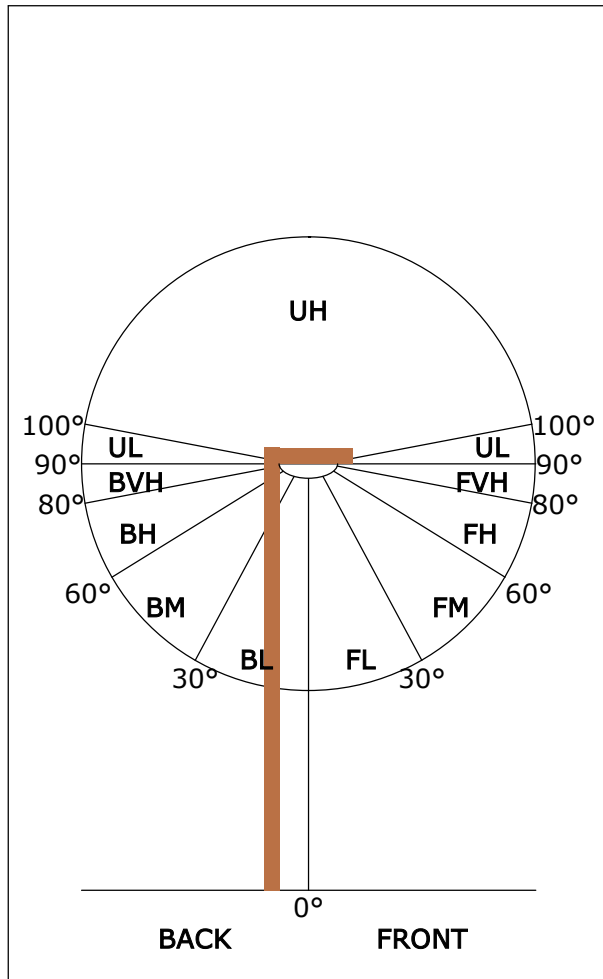
UGR Table

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 1086lm ($8\log(F/F_0) = 0.3$).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM


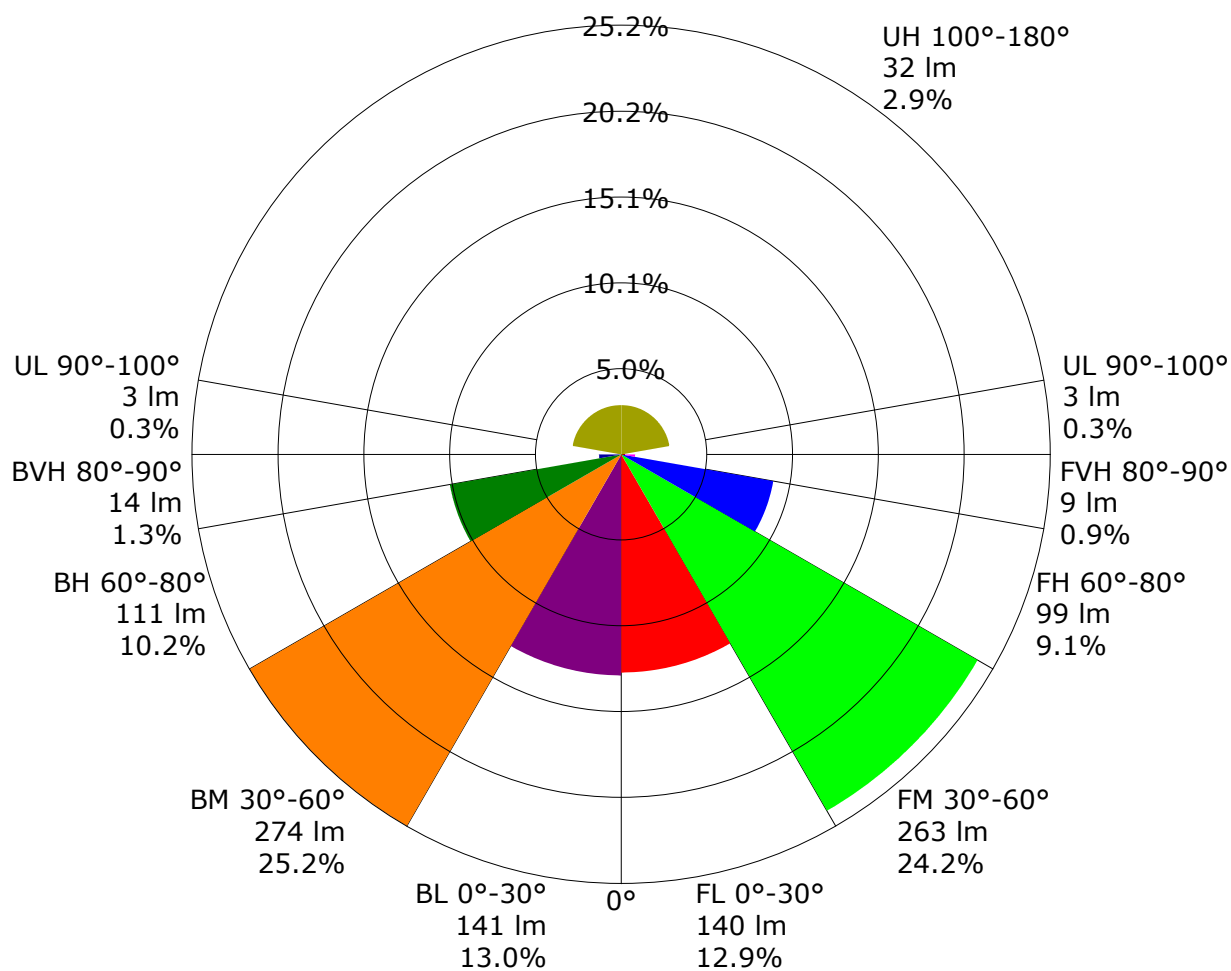
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	511	47.0
FL (0°-30°)	140	12.9
FM (30°-60°)	263	24.2
FH (60°-80°)	99	9.1
FVH (80°-90°)	9	0.9
BACK LIGHT	541	49.8
BL (0°-30°)	141	13.0
BM (30°-60°)	274	25.2
BH (60°-80°)	111	10.2
BVH (80°-90°)	14	1.3
UP LIGHT	34	3.2
UL (90°-100°)	3	0.3
UH (100°-180°)	32	2.9
TRAPPED 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	0.65	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	0.63	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		0.40	0.50	0.57	0.63	0.70	0.76	0.79	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:14W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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(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	1.00	0.83	0.71	0.62	0.50	0.41	0.35	0.27	0.22	
	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	0.96	0.79	0.68	0.59	0.47	0.42	0.33	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	0.29	0.23	0.20	
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.32	0.25	0.20	
	0.30		0.79	0.67	0.58	0.51	0.41	0.35	0.30	0.24	0.19	
	0.20		0.70	0.60	0.52	0.47	0.38	0.33	0.28	0.22	0.19	
0.00	0.00	0.00	0.59	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14	
Rating:14W 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	0.20	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	
	0.30		0.13	0.14	0.16	0.16	0.18	0.19	0.20	0.21	0.22	
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20	
0.50	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.19	0.21	0.21	
	0.20		0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19	
0.30	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	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		0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.19	
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:14W 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	361.3	0.3	0.3	0.03	0.03
1.0-2.0	361.2	1.0	1.4	0.10	0.13
2.0-3.0	360.9	1.7	3.1	0.16	0.29
3.0-4.0	360.5	2.4	5.5	0.22	0.51
4.0-5.0	360.1	3.1	8.6	0.29	0.79
5.0-6.0	359.4	3.8	12.4	0.35	1.14
6.0-7.0	358.7	4.5	16.9	0.41	1.55
7.0-8.0	357.8	5.1	22.0	0.47	2.02
8.0-9.0	356.7	5.8	27.8	0.53	2.56
9.0-10.0	355.6	6.4	34.2	0.59	3.15
10.0-11.0	354.4	7.1	41.3	0.65	3.80
11.0-12.0	353.0	7.7	49.0	0.71	4.51
12.0-13.0	351.5	8.3	57.3	0.77	5.28
13.0-14.0	349.9	9.0	66.3	0.83	6.11
14.0-15.0	348.2	9.6	75.9	0.88	6.99
15.0-16.0	346.3	10.1	86.0	0.93	7.92
16.0-17.0	344.3	10.7	96.7	0.99	8.91
17.0-18.0	342.3	11.3	108.0	1.04	9.95
18.0-19.0	340.0	11.8	119.8	1.09	11.04
19.0-20.0	337.7	12.4	132.2	1.14	12.18
20.0-21.0	335.3	12.9	145.1	1.19	13.36
21.0-22.0	332.7	13.4	158.5	1.23	14.59
22.0-23.0	329.9	13.8	172.3	1.28	15.87
23.0-24.0	327.1	14.3	186.6	1.32	17.19
24.0-25.0	324.2	14.7	201.3	1.36	18.55
25.0-26.0	321.3	15.2	216.5	1.40	19.94
26.0-27.0	318.1	15.6	232.1	1.43	21.38
27.0-28.0	314.9	15.9	248.0	1.47	22.84
28.0-29.0	311.6	16.3	264.3	1.50	24.35
29.0-30.0	308.1	16.6	281.0	1.53	25.88
30.0-31.0	304.5	16.9	297.9	1.56	27.44
31.0-32.0	300.8	17.2	315.2	1.59	29.03
32.0-33.0	297.1	17.5	332.7	1.61	30.64
33.0-34.0	293.4	17.8	350.4	1.64	32.28
34.0-35.0	289.4	18.0	368.4	1.66	33.93
35.0-36.0	285.3	18.2	386.6	1.67	35.60

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	281.3	18.3	404.9	1.69	37.29
37.0-38.0	277.0	18.5	423.4	1.70	39.00
38.0-39.0	272.7	18.6	442.0	1.71	40.71
39.0-40.0	268.2	18.7	460.7	1.72	42.44
40.0-41.0	263.7	18.8	479.5	1.73	44.16
41.0-42.0	259.3	18.8	498.3	1.74	45.90
42.0-43.0	254.6	18.9	517.2	1.74	47.64
43.0-44.0	249.8	18.9	536.1	1.74	49.37
44.0-45.0	245.0	18.8	554.9	1.73	51.11
45.0-46.0	240.1	18.8	573.7	1.73	52.84
46.0-47.0	235.1	18.7	592.4	1.72	54.56
47.0-48.0	230.0	18.6	611.0	1.71	56.27
48.0-49.0	224.9	18.5	629.4	1.70	57.97
49.0-50.0	219.9	18.3	647.8	1.69	59.66
50.0-51.0	214.5	18.2	665.9	1.67	61.33
51.0-52.0	209.1	17.9	683.9	1.65	62.99
52.0-53.0	203.7	17.7	701.6	1.63	64.62
53.0-54.0	198.2	17.5	719.1	1.61	66.23
54.0-55.0	192.9	17.2	736.3	1.59	67.82
55.0-56.0	187.3	16.9	753.2	1.56	69.38
56.0-57.0	181.7	16.6	769.8	1.53	70.91
57.0-58.0	176.2	16.3	786.1	1.50	72.41
58.0-59.0	170.4	15.9	802.1	1.47	73.87
59.0-60.0	164.7	15.6	817.6	1.43	75.31
60.0-61.0	158.8	15.2	832.8	1.40	76.70
61.0-62.0	153.0	14.7	847.5	1.36	78.06
62.0-63.0	147.4	14.3	861.9	1.32	79.38
63.0-64.0	141.5	13.9	875.8	1.28	80.66
64.0-65.0	135.6	13.4	889.2	1.24	81.90
65.0-66.0	130.0	13.0	902.1	1.19	83.09
66.0-67.0	124.0	12.5	914.6	1.15	84.24
67.0-68.0	118.1	12.0	926.6	1.10	85.34
68.0-69.0	112.1	11.4	938.0	1.05	86.40
69.0-70.0	106.2	10.9	948.9	1.00	87.40
70.0-71.0	100.5	10.4	959.3	0.96	88.36
71.0-72.0	94.6	9.8	969.2	0.91	89.26

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	88.8	9.3	978.4	0.86	90.12
73.0-74.0	83.2	8.8	987.2	0.81	90.93
74.0-75.0	77.5	8.2	995.4	0.75	91.68
75.0-76.0	71.7	7.6	1003.0	0.70	92.38
76.0-77.0	66.0	7.0	1010.0	0.65	93.03
77.0-78.0	60.4	6.5	1016.5	0.60	93.63
78.0-79.0	55.0	5.9	1022.4	0.54	94.17
79.0-80.0	49.5	5.3	1027.7	0.49	94.66
80.0-81.0	44.0	4.8	1032.5	0.44	95.10
81.0-82.0	38.8	4.2	1036.7	0.39	95.49
82.0-83.0	33.5	3.6	1040.4	0.34	95.82
83.0-84.0	28.3	3.1	1043.4	0.28	96.11
84.0-85.0	23.1	2.5	1046.0	0.23	96.34
85.0-86.0	18.0	2.0	1047.9	0.18	96.52
86.0-87.0	13.4	1.5	1049.4	0.13	96.66
87.0-88.0	9.0	1.0	1050.4	0.09	96.75
88.0-89.0	5.8	0.6	1051.0	0.06	96.80
89.0-90.0	3.8	0.4	1051.4	0.04	96.84
90.0-91.0	2.5	0.3	1051.7	0.03	96.87
91.0-92.0	2.2	0.2	1051.9	0.02	96.89
92.0-93.0	2.2	0.2	1052.2	0.02	96.91
93.0-94.0	2.3	0.3	1052.4	0.02	96.94
94.0-95.0	2.4	0.3	1052.7	0.02	96.96
95.0-96.0	2.5	0.3	1053.0	0.03	96.99
96.0-97.0	2.6	0.3	1053.3	0.03	97.01
97.0-98.0	2.7	0.3	1053.6	0.03	97.04
98.0-99.0	2.9	0.3	1053.9	0.03	97.07
99.0-100.0	3.0	0.3	1054.2	0.03	97.10
100.0-101.0	3.1	0.3	1054.5	0.03	97.13
101.0-102.0	3.2	0.3	1054.9	0.03	97.16
102.0-103.0	3.3	0.4	1055.2	0.03	97.19
103.0-104.0	3.4	0.4	1055.6	0.03	97.23
104.0-105.0	3.6	0.4	1056.0	0.03	97.26
105.0-106.0	3.7	0.4	1056.4	0.04	97.30
106.0-107.0	3.8	0.4	1056.8	0.04	97.33
107.0-108.0	3.9	0.4	1057.2	0.04	97.37

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:

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	4.0	0.4	1057.6	0.04	97.41
109.0-110.0	4.2	0.4	1058.0	0.04	97.45
110.0-111.0	4.3	0.4	1058.5	0.04	97.49
111.0-112.0	4.4	0.4	1058.9	0.04	97.53
112.0-113.0	4.5	0.5	1059.4	0.04	97.57
113.0-114.0	4.6	0.5	1059.8	0.04	97.62
114.0-115.0	4.8	0.5	1060.3	0.04	97.66
115.0-116.0	4.9	0.5	1060.8	0.04	97.71
116.0-117.0	5.0	0.5	1061.3	0.05	97.75
117.0-118.0	5.1	0.5	1061.8	0.05	97.80
118.0-119.0	5.2	0.5	1062.3	0.05	97.84
119.0-120.0	5.4	0.5	1062.8	0.05	97.89
120.0-121.0	5.5	0.5	1063.3	0.05	97.94
121.0-122.0	5.6	0.5	1063.8	0.05	97.99
122.0-123.0	5.7	0.5	1064.4	0.05	98.03
123.0-124.0	5.8	0.5	1064.9	0.05	98.08
124.0-125.0	5.9	0.5	1065.4	0.05	98.13
125.0-126.0	6.0	0.5	1066.0	0.05	98.18
126.0-127.0	6.1	0.5	1066.5	0.05	98.23
127.0-128.0	6.2	0.5	1067.1	0.05	98.28
128.0-129.0	6.3	0.5	1067.6	0.05	98.33
129.0-130.0	6.4	0.5	1068.1	0.05	98.38
130.0-131.0	6.5	0.5	1068.7	0.05	98.43
131.0-132.0	6.6	0.5	1069.2	0.05	98.48
132.0-133.0	6.7	0.5	1069.8	0.05	98.53
133.0-134.0	6.8	0.5	1070.3	0.05	98.58
134.0-135.0	6.9	0.5	1070.9	0.05	98.63
135.0-136.0	7.0	0.5	1071.4	0.05	98.68
136.0-137.0	7.1	0.5	1071.9	0.05	98.73
137.0-138.0	7.2	0.5	1072.5	0.05	98.78
138.0-139.0	7.2	0.5	1073.0	0.05	98.83
139.0-140.0	7.3	0.5	1073.5	0.05	98.88
140.0-141.0	7.4	0.5	1074.0	0.05	98.92
141.0-142.0	7.5	0.5	1074.5	0.05	98.97
142.0-143.0	7.6	0.5	1075.0	0.05	99.02
143.0-144.0	7.6	0.5	1075.5	0.05	99.06

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	7.7	0.5	1076.0	0.05	99.11
145.0-146.0	7.8	0.5	1076.5	0.04	99.15
146.0-147.0	7.9	0.5	1077.0	0.04	99.20
147.0-148.0	7.9	0.5	1077.5	0.04	99.24
148.0-149.0	8.0	0.5	1077.9	0.04	99.28
149.0-150.0	8.1	0.4	1078.4	0.04	99.32
150.0-151.0	8.1	0.4	1078.8	0.04	99.36
151.0-152.0	8.2	0.4	1079.2	0.04	99.40
152.0-153.0	8.3	0.4	1079.7	0.04	99.44
153.0-154.0	8.3	0.4	1080.1	0.04	99.48
154.0-155.0	8.4	0.4	1080.5	0.04	99.52
155.0-156.0	8.5	0.4	1080.8	0.04	99.55
156.0-157.0	8.5	0.4	1081.2	0.03	99.59
157.0-158.0	8.6	0.4	1081.6	0.03	99.62
158.0-159.0	8.6	0.3	1081.9	0.03	99.65
159.0-160.0	8.7	0.3	1082.3	0.03	99.68
160.0-161.0	8.8	0.3	1082.6	0.03	99.71
161.0-162.0	8.8	0.3	1082.9	0.03	99.74
162.0-163.0	8.9	0.3	1083.2	0.03	99.77
163.0-164.0	8.9	0.3	1083.5	0.03	99.79
164.0-165.0	9.0	0.3	1083.7	0.02	99.82
165.0-166.0	9.0	0.2	1084.0	0.02	99.84
166.0-167.0	9.1	0.2	1084.2	0.02	99.86
167.0-168.0	9.2	0.2	1084.4	0.02	99.88
168.0-169.0	9.2	0.2	1084.6	0.02	99.90
169.0-170.0	9.3	0.2	1084.8	0.02	99.92
170.0-171.0	9.3	0.2	1085.0	0.02	99.93
171.0-172.0	9.4	0.2	1085.1	0.01	99.95
172.0-173.0	9.5	0.1	1085.3	0.01	99.96
173.0-174.0	9.5	0.1	1085.4	0.01	99.97
174.0-175.0	9.6	0.1	1085.5	0.01	99.98
175.0-176.0	9.7	0.1	1085.6	0.01	99.99
176.0-177.0	9.7	0.1	1085.6	0.01	99.99
177.0-178.0	9.8	0.0	1085.7	0.00	100.00
178.0-179.0	9.8	0.0	1085.7	0.00	100.00
179.0-180.0	9.8	0.0	1085.7	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	361.4	361.7	361.4	361.3	361.1	361.3	361.4	361.7	361.4	361.3
G1.0	361.4	361.2	361.1	361.3	360.9	361.1	361.4	361.6	361.5	361.5
G2.0	361.1	360.9	360.8	360.9	360.7	361.0	361.1	361.4	361.4	361.4
G3.0	360.9	360.4	360.3	360.6	360.3	360.4	360.8	361.3	361.3	361.3
G4.0	360.3	359.7	359.7	359.6	359.6	360.3	360.3	361.1	360.9	360.9
G5.0	359.8	359.2	359.0	359.0	359.1	359.5	359.8	360.6	360.5	360.8
G6.0	359.0	358.2	358.1	358.1	358.1	358.9	359.1	359.8	359.9	360.0
G7.0	358.4	357.4	357.1	357.2	357.3	358.0	358.5	359.4	359.2	359.4
G8.0	357.3	356.2	356.0	355.8	356.0	356.9	357.5	358.3	358.6	358.6
G9.0	356.3	355.1	354.9	354.7	354.9	355.7	356.3	357.4	357.6	357.9
G10.0	355.0	353.7	353.4	353.4	353.6	354.6	355.4	356.3	356.6	356.8
G11.0	353.7	352.3	351.9	351.8	352.2	353.2	353.8	355.3	355.5	355.7
G12.0	352.1	350.6	350.4	350.1	350.6	351.7	352.4	354.0	354.3	354.4
G13.0	350.7	348.8	348.7	348.5	349.1	350.1	350.9	352.6	352.9	353.1
G14.0	348.9	347.0	346.8	346.5	347.2	348.4	349.5	351.1	351.3	351.6
G15.0	347.1	345.0	344.8	344.6	345.5	346.6	347.6	349.4	349.8	350.0
G16.0	345.0	343.1	342.6	342.5	343.2	344.5	345.7	347.5	347.7	348.1
G17.0	343.2	340.8	340.4	340.1	341.0	342.5	343.7	345.6	346.1	346.2
G18.0	341.1	338.8	338.2	338.0	339.0	340.5	341.6	343.8	343.9	344.4
G19.0	338.8	336.0	335.7	335.3	336.3	338.1	339.2	341.4	341.8	342.0
G20.0	336.4	333.7	333.1	333.0	334.0	335.6	337.0	339.1	339.5	339.9
G21.0	334.0	331.2	330.5	330.4	331.3	333.2	334.6	337.0	337.3	337.8
G22.0	331.1	328.1	327.3	327.2	328.4	330.2	331.9	334.4	334.6	335.0
G23.0	328.5	325.3	324.7	324.4	325.6	327.5	329.3	331.8	332.1	332.6
G24.0	325.4	322.1	321.5	321.2	322.5	324.5	326.2	328.9	329.2	329.9
G25.0	322.6	319.1	318.6	318.2	319.6	321.6	323.4	326.2	326.6	327.0
G26.0	319.6	316.1	315.3	315.1	316.5	318.7	320.5	323.2	323.7	324.2
G27.0	316.2	312.4	311.6	311.5	312.9	315.2	317.2	320.0	320.6	321.2
G28.0	313.1	309.2	308.3	308.1	309.6	312.0	314.1	316.9	317.5	318.1
G29.0	309.9	305.6	305.1	304.7	306.3	308.8	310.7	313.8	314.3	315.1
G30.0	305.9	301.9	301.0	300.8	302.4	305.0	307.0	310.1	310.7	311.5
G31.0	302.8	298.2	297.5	297.1	298.9	301.6	303.6	306.8	307.3	308.0
G32.0	298.6	294.3	293.2	293.1	294.9	297.6	299.6	303.0	303.5	304.4
G33.0	295.1	290.4	289.5	289.4	291.0	293.9	296.2	299.5	300.0	300.8
G34.0	291.2	286.7	285.8	285.5	287.2	290.0	292.2	295.7	296.3	297.1
G35.0	287.0	282.1	281.3	281.1	282.9	285.8	288.0	291.6	292.1	293.2
G36.0	282.9	278.1	277.0	276.9	278.9	281.7	284.2	287.9	288.5	289.2

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	279.0	274.2	272.9	272.8	275.0	277.8	280.3	283.8	284.5	285.3
G38.0	274.5	269.4	268.3	268.0	270.1	273.5	275.6	279.4	280.1	280.9
G39.0	270.3	265.1	263.9	263.7	265.9	269.1	271.5	275.1	276.0	276.8
G40.0	265.6	260.0	259.1	258.7	261.0	264.5	266.7	270.7	271.4	272.3
G41.0	261.1	255.9	254.4	254.3	256.6	259.9	262.4	266.4	267.1	267.9
G42.0	256.8	251.1	249.9	249.7	252.0	255.5	258.1	262.0	262.9	263.7
G43.0	251.6	246.1	245.0	244.5	247.0	250.5	252.9	257.3	257.8	259.0
G44.0	247.0	241.3	239.9	239.9	242.4	245.8	248.4	252.8	253.6	254.3
G45.0	242.6	236.4	235.3	234.9	237.5	241.2	243.5	247.7	248.6	249.5
G46.0	237.1	231.2	229.6	229.6	232.2	235.7	238.5	243.0	243.8	244.8
G47.0	232.5	226.4	224.8	224.7	227.2	231.0	233.8	238.2	238.9	240.0
G48.0	227.3	220.7	219.4	219.0	221.8	225.5	228.4	232.7	233.6	234.7
G49.0	222.2	215.9	214.2	214.1	216.9	220.6	223.4	228.0	228.7	230.1
G50.0	217.0	210.4	209.1	208.8	211.7	215.8	218.4	223.2	223.8	225.1
G51.0	211.4	204.9	203.2	203.2	206.0	209.9	213.0	217.4	218.4	219.5
G52.0	206.3	199.5	198.0	197.9	200.7	204.9	207.6	212.5	213.3	214.2
G53.0	200.7	193.8	192.1	192.0	195.1	199.2	202.1	206.6	207.7	208.8
G54.0	195.2	188.5	186.6	186.6	189.8	193.9	196.6	201.5	202.2	203.6
G55.0	190.0	183.1	181.2	181.3	184.3	188.4	191.5	196.3	197.2	198.4
G56.0	184.0	177.0	175.1	175.2	178.4	182.4	185.6	190.6	191.3	192.8
G57.0	178.7	171.4	169.6	169.8	172.8	177.1	180.2	185.0	186.1	187.2
G58.0	173.0	165.9	163.8	164.0	167.3	171.5	174.7	179.7	180.5	182.0
G59.0	167.1	159.7	158.0	158.1	161.1	165.5	168.8	173.5	174.6	175.9
G60.0	161.5	154.2	152.1	152.3	155.6	159.9	163.1	168.2	169.1	170.6
G61.0	155.4	148.2	146.1	146.1	149.3	153.8	157.1	162.3	163.1	164.4
G62.0	150.0	142.3	140.5	140.3	143.8	148.3	151.7	156.5	157.6	159.0
G63.0	144.2	136.8	134.6	134.8	138.3	142.5	145.9	151.0	152.0	153.5
G64.0	138.2	130.4	128.5	128.3	131.8	136.5	139.9	144.9	145.9	147.2
G65.0	132.4	124.8	122.6	122.8	126.4	130.6	134.4	139.1	140.3	141.7
G66.0	126.8	119.0	117.1	117.0	120.5	125.2	128.6	133.6	134.5	136.1
G67.0	120.5	112.9	110.7	110.9	114.5	118.7	122.4	127.3	128.3	129.8
G68.0	114.9	107.1	105.1	105.1	108.6	113.2	116.5	121.7	122.8	124.2
G69.0	108.6	101.0	98.7	99.0	102.6	106.9	110.6	115.3	116.4	117.9
G70.0	103.0	95.2	93.2	93.2	96.8	101.4	104.8	109.8	110.6	112.4
G71.0	97.2	89.8	87.4	87.7	91.3	95.5	99.3	104.0	105.1	106.6
G72.0	91.2	83.5	81.5	81.5	85.0	89.5	93.1	97.9	98.8	100.6
G73.0	85.6	78.1	75.8	76.1	79.6	83.8	87.6	92.2	93.2	94.7

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 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	80.1	72.4	70.4	70.5	73.9	78.4	81.9	86.8	87.8	89.3
G75.0	74.0	66.6	64.4	64.6	68.0	72.2	76.0	80.8	81.5	83.4
G76.0	68.5	61.1	59.1	59.1	62.5	66.9	70.3	75.2	76.2	77.8
G77.0	62.3	55.4	53.3	53.5	56.8	60.9	64.6	69.3	70.1	71.9
G78.0	56.9	50.0	48.0	48.2	51.3	55.3	59.3	63.8	64.9	66.4
G79.0	51.2	44.5	43.0	43.1	45.9	50.2	53.9	58.6	59.3	61.2
G80.0	45.1	38.8	37.3	37.4	40.4	44.4	48.3	52.9	53.8	55.5
G81.0	39.7	33.7	32.5	32.5	35.1	39.2	43.0	47.7	48.7	50.1
G82.0	34.1	28.5	27.7	27.5	30.2	34.0	38.1	42.7	43.5	45.1
G83.0	28.3	23.0	22.4	22.3	24.9	28.5	32.6	37.1	38.1	39.4
G84.0	23.1	18.0	17.7	17.5	19.9	23.7	27.8	32.3	33.3	34.5
G85.0	17.1	12.8	12.7	12.6	14.8	18.2	22.4	27.1	27.9	29.3
G86.0	12.1	8.3	8.5	8.1	10.1	13.6	17.6	22.1	23.2	24.3
G87.0	6.9	4.7	4.4	4.1	5.7	8.9	12.9	17.7	18.5	19.5
G88.0	2.9	2.0	1.9	2.0	1.9	4.3	8.0	12.6	13.7	14.6
G89.0	1.9	1.9	2.0	2.0	2.0	1.9	3.9	8.5	9.4	10.3
G90.0	2.0	2.0	2.1	2.1	2.0	1.9	2.1	4.1	5.1	5.7
G91.0	2.0	2.1	2.2	2.2	2.1	2.0	2.2	2.2	2.1	2.4
G92.0	2.1	2.2	2.3	2.2	2.2	2.1	2.3	2.3	2.2	2.2
G93.0	2.2	2.3	2.4	2.4	2.3	2.2	2.4	2.4	2.3	2.3
G94.0	2.3	2.4	2.5	2.4	2.4	2.2	2.5	2.4	2.4	2.4
G95.0	2.3	2.5	2.5	2.5	2.5	2.3	2.6	2.5	2.5	2.5
G96.0	2.5	2.5	2.7	2.6	2.6	2.4	2.7	2.6	2.6	2.5
G97.0	2.6	2.6	2.8	2.7	2.7	2.5	2.9	2.7	2.6	2.7
G98.0	2.7	2.8	2.8	2.9	2.8	2.6	2.9	2.9	2.7	2.8
G99.0	2.9	2.8	2.9	2.9	2.9	2.7	3.1	3.0	2.9	2.9
G100.0	2.9	2.9	3.1	3.0	3.0	2.8	3.2	3.1	3.0	3.0
G101.0	3.1	3.1	3.2	3.2	3.1	3.0	3.3	3.2	3.1	3.1
G102.0	3.2	3.2	3.3	3.3	3.2	3.1	3.4	3.3	3.2	3.2
G103.0	3.3	3.3	3.4	3.4	3.3	3.2	3.6	3.5	3.4	3.3
G104.0	3.4	3.4	3.5	3.5	3.4	3.3	3.7	3.5	3.6	3.5
G105.0	3.5	3.5	3.6	3.7	3.6	3.4	3.8	3.7	3.7	3.6
G106.0	3.6	3.6	3.7	3.8	3.6	3.5	4.0	3.8	3.8	3.7
G107.0	3.8	3.7	3.8	3.9	3.8	3.6	4.1	4.0	3.9	3.8
G108.0	3.9	3.8	3.9	4.0	3.9	3.8	4.2	4.0	4.0	3.9
G109.0	4.0	4.0	4.1	4.2	4.0	3.9	4.3	4.2	4.2	4.1
G110.0	4.1	4.1	4.2	4.3	4.1	4.0	4.4	4.3	4.3	4.2

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	4.2	4.2	4.3	4.4	4.2	4.1	4.6	4.5	4.4	4.4
G112.0	4.3	4.4	4.4	4.5	4.4	4.2	4.7	4.6	4.6	4.5
G113.0	4.4	4.4	4.5	4.6	4.5	4.3	4.8	4.7	4.7	4.6
G114.0	4.6	4.5	4.7	4.8	4.6	4.5	4.9	4.8	4.8	4.8
G115.0	4.7	4.7	4.8	4.9	4.7	4.5	5.2	5.0	5.0	4.9
G116.0	4.8	4.7	4.9	5.0	4.8	4.7	5.2	5.1	5.1	5.0
G117.0	4.9	4.9	5.0	5.1	4.9	4.8	5.4	5.2	5.2	5.1
G118.0	5.1	5.0	5.1	5.2	5.1	4.9	5.5	5.3	5.3	5.3
G119.0	5.2	5.1	5.2	5.3	5.2	5.0	5.6	5.4	5.4	5.4
G120.0	5.3	5.2	5.3	5.5	5.3	5.2	5.7	5.5	5.5	5.5
G121.0	5.4	5.3	5.4	5.6	5.4	5.3	5.8	5.6	5.6	5.6
G122.0	5.5	5.4	5.6	5.7	5.5	5.3	5.9	5.8	5.8	5.7
G123.0	5.6	5.5	5.7	5.8	5.6	5.4	6.0	5.9	5.9	5.9
G124.0	5.8	5.7	5.8	6.0	5.7	5.5	6.1	6.0	6.0	6.0
G125.0	5.9	5.8	5.9	6.1	5.8	5.7	6.3	6.1	6.1	6.1
G126.0	6.0	5.9	6.0	6.2	5.9	5.7	6.4	6.2	6.2	6.2
G127.0	6.1	6.0	6.1	6.3	6.0	5.8	6.5	6.3	6.3	6.3
G128.0	6.3	6.1	6.2	6.4	6.1	5.9	6.6	6.4	6.4	6.5
G129.0	6.3	6.2	6.2	6.5	6.2	6.0	6.7	6.4	6.5	6.6
G130.0	6.5	6.3	6.3	6.6	6.3	6.1	6.8	6.6	6.6	6.7
G131.0	6.6	6.3	6.4	6.7	6.4	6.2	6.9	6.7	6.7	6.7
G132.0	6.7	6.5	6.5	6.8	6.5	6.3	7.0	6.8	6.8	6.8
G133.0	6.8	6.5	6.6	6.8	6.6	6.4	7.1	6.9	6.9	7.0
G134.0	6.9	6.6	6.6	6.9	6.6	6.5	7.2	6.9	7.0	7.1
G135.0	7.0	6.7	6.8	7.0	6.8	6.6	7.3	7.0	7.1	7.1
G136.0	7.1	6.8	6.8	7.1	6.8	6.7	7.4	7.1	7.2	7.2
G137.0	7.2	6.9	6.9	7.2	6.9	6.8	7.5	7.2	7.2	7.3
G138.0	7.3	7.0	7.0	7.3	7.0	6.9	7.6	7.3	7.3	7.4
G139.0	7.3	7.1	7.1	7.3	7.1	7.0	7.7	7.4	7.3	7.5
G140.0	7.3	7.2	7.1	7.3	7.1	7.0	7.8	7.5	7.4	7.5
G141.0	7.5	7.3	7.3	7.4	7.2	7.2	7.8	7.6	7.5	7.6
G142.0	7.6	7.3	7.3	7.6	7.3	7.3	8.0	7.7	7.6	7.7
G143.0	7.6	7.4	7.4	7.6	7.3	7.3	8.0	7.8	7.7	7.7
G144.0	7.7	7.5	7.4	7.7	7.3	7.4	8.1	7.8	7.7	7.8
G145.0	7.7	7.6	7.5	7.8	7.4	7.5	8.2	7.9	7.8	7.9
G146.0	7.8	7.7	7.6	7.8	7.5	7.6	8.2	8.0	7.9	7.9
G147.0	7.9	7.8	7.7	7.9	7.6	7.7	8.3	8.1	8.0	8.0

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	8.0	7.8	7.7	8.0	7.7	7.8	8.3	8.2	8.0	8.1
G149.0	8.0	7.8	7.8	8.0	7.7	7.8	8.4	8.3	8.1	8.1
G150.0	8.1	7.9	7.8	8.1	7.8	7.9	8.4	8.3	8.1	8.2
G151.0	8.1	8.0	8.0	8.1	7.9	8.0	8.5	8.4	8.2	8.3
G152.0	8.2	8.2	8.1	8.1	8.0	8.1	8.5	8.5	8.2	8.2
G153.0	8.3	8.2	8.1	8.1	8.0	8.1	8.6	8.6	8.3	8.4
G154.0	8.4	8.2	8.2	8.3	8.1	8.2	8.6	8.6	8.4	8.4
G155.0	8.4	8.3	8.3	8.3	8.1	8.3	8.7	8.7	8.4	8.4
G156.0	8.5	8.4	8.4	8.4	8.1	8.3	8.7	8.8	8.5	8.5
G157.0	8.5	8.4	8.4	8.4	8.2	8.4	8.8	8.8	8.6	8.6
G158.0	8.6	8.5	8.5	8.5	8.3	8.5	8.8	8.9	8.5	8.6
G159.0	8.7	8.6	8.6	8.5	8.4	8.6	8.9	9.0	8.6	8.7
G160.0	8.7	8.7	8.6	8.6	8.4	8.6	8.9	9.0	8.7	8.7
G161.0	8.8	8.7	8.7	8.6	8.5	8.7	8.9	9.0	8.7	8.8
G162.0	8.8	8.8	8.8	8.6	8.6	8.8	9.0	9.0	8.8	8.9
G163.0	8.8	8.9	8.9	8.7	8.6	8.8	9.1	9.1	8.8	8.9
G164.0	8.9	8.9	9.0	8.8	8.7	8.9	9.1	9.1	8.9	9.0
G165.0	9.0	9.0	9.0	8.8	8.7	8.9	9.2	9.1	9.0	9.1
G166.0	9.1	9.0	9.1	8.8	8.8	8.9	9.3	9.2	9.1	9.1
G167.0	9.0	9.1	9.1	8.9	8.8	9.0	9.3	9.3	9.1	9.3
G168.0	9.1	9.1	9.2	9.0	8.9	9.1	9.4	9.3	9.2	9.3
G169.0	9.1	9.1	9.3	9.0	8.9	9.1	9.4	9.4	9.3	9.4
G170.0	9.3	9.2	9.3	9.1	9.0	9.1	9.5	9.4	9.4	9.4
G171.0	9.3	9.3	9.3	9.3	9.1	9.2	9.5	9.5	9.5	9.6
G172.0	9.4	9.4	9.4	9.3	9.1	9.2	9.6	9.5	9.5	9.6
G173.0	9.5	9.5	9.5	9.5	9.2	9.3	9.6	9.5	9.5	9.6
G174.0	9.6	9.5	9.6	9.6	9.3	9.4	9.7	9.6	9.6	9.7
G175.0	9.7	9.6	9.6	9.7	9.4	9.5	9.7	9.7	9.7	9.8
G176.0	9.8	9.6	9.7	9.7	9.4	9.5	9.8	9.7	9.7	9.9
G177.0	9.9	9.7	9.8	9.8	9.5	9.6	9.9	9.8	9.8	10.0
G178.0	9.9	9.8	9.8	9.9	9.6	9.6	9.9	9.9	9.9	10.0
G179.0	10.1	9.9	9.8	9.9	9.6	9.7	10.0	9.9	9.9	10.1
G180.0	10.1	9.8	9.8	10.0	9.6	9.7	10.0	9.9	9.9	10.0

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	361.1	361.3	361.4							
G1.0	361.3	361.2	361.4							
G2.0	361.2	361.2	361.1							
G3.0	361.0	360.7	360.9							
G4.0	360.6	360.6	360.3							
G5.0	360.3	360.0	359.8							
G6.0	359.6	359.3	359.0							
G7.0	359.1	358.7	358.4							
G8.0	358.2	357.5	357.3							
G9.0	357.3	356.7	356.3							
G10.0	356.5	355.5	355.0							
G11.0	355.1	354.3	353.7							
G12.0	353.7	352.9	352.1							
G13.0	352.4	351.7	350.7							
G14.0	350.7	349.8	348.9							
G15.0	349.1	348.1	347.1							
G16.0	347.4	346.3	345.0							
G17.0	345.4	344.3	343.2							
G18.0	343.5	342.3	341.1							
G19.0	341.2	340.2	338.8							
G20.0	339.0	337.8	336.4							
G21.0	336.9	335.4	334.0							
G22.0	334.2	332.8	331.1							
G23.0	331.7	330.1	328.5							
G24.0	328.8	327.3	325.4							
G25.0	326.2	324.5	322.6							
G26.0	323.3	321.7	319.6							
G27.0	320.1	318.5	316.2							
G28.0	317.0	315.4	313.1							
G29.0	313.9	312.0	309.9							
G30.0	310.4	308.4	305.9							
G31.0	306.9	305.0	302.8							
G32.0	303.2	301.2	298.6							
G33.0	299.7	297.6	295.1							
G34.0	296.1	293.9	291.2							
G35.0	292.0	289.8	287.0							
G36.0	288.3	286.0	282.9							

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	284.3	282.1	279.0							
G38.0	280.0	277.4	274.5							
G39.0	275.7	273.3	270.3							
G40.0	271.3	268.9	265.6							
G41.0	267.2	264.4	261.1							
G42.0	262.8	260.2	256.8							
G43.0	258.1	255.0	251.6							
G44.0	253.4	250.7	247.0							
G45.0	248.4	245.7	242.6							
G46.0	243.6	240.9	237.1							
G47.0	238.8	236.1	232.5							
G48.0	233.6	231.0	227.3							
G49.0	228.9	226.1	222.2							
G50.0	223.9	220.9	217.0							
G51.0	218.4	215.6	211.4							
G52.0	213.4	210.3	206.3							
G53.0	207.7	204.8	200.7							
G54.0	202.6	199.4	195.2							
G55.0	197.4	194.2	190.0							
G56.0	191.7	188.5	184.0							
G57.0	186.2	183.3	178.7							
G58.0	181.0	177.7	173.0							
G59.0	174.8	171.9	167.1							
G60.0	169.6	166.5	161.5							
G61.0	163.6	160.3	155.4							
G62.0	158.0	154.9	150.0							
G63.0	152.4	149.4	144.2							
G64.0	146.5	143.2	138.2							
G65.0	140.8	137.6	132.4							
G66.0	135.3	131.8	126.8							
G67.0	128.9	125.8	120.5							
G68.0	123.4	120.2	114.9							
G69.0	117.1	113.9	108.6							
G70.0	111.6	108.1	103.0							
G71.0	105.8	102.7	97.2							
G72.0	99.8	96.4	91.2							
G73.0	94.3	90.9	85.6							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	88.6	85.5	80.1							
G75.0	82.7	79.2	74.0							
G76.0	77.1	73.9	68.5							
G77.0	71.2	67.8	62.3							
G78.0	65.9	62.4	56.9							
G79.0	60.5	57.0	51.2							
G80.0	54.8	50.8	45.1							
G81.0	49.4	45.3	39.7							
G82.0	44.4	39.7	34.1							
G83.0	38.8	33.8	28.3							
G84.0	33.4	28.2	23.1							
G85.0	27.8	22.4	17.1							
G86.0	22.6	17.3	12.1							
G87.0	17.7	11.9	6.9							
G88.0	12.4	6.6	2.9							
G89.0	8.1	3.4	1.9							
G90.0	4.0	2.0	2.0							
G91.0	2.1	2.1	2.0							
G92.0	2.2	2.2	2.1							
G93.0	2.3	2.3	2.2							
G94.0	2.4	2.5	2.3							
G95.0	2.4	2.5	2.3							
G96.0	2.6	2.6	2.5							
G97.0	2.7	2.7	2.6							
G98.0	2.8	2.8	2.7							
G99.0	2.9	3.0	2.9							
G100.0	3.0	3.1	2.9							
G101.0	3.2	3.2	3.1							
G102.0	3.3	3.3	3.2							
G103.0	3.4	3.5	3.3							
G104.0	3.5	3.6	3.4							
G105.0	3.6	3.7	3.5							
G106.0	3.8	3.8	3.6							
G107.0	3.9	4.0	3.8							
G108.0	4.0	4.1	3.9							
G109.0	4.2	4.2	4.0							
G110.0	4.3	4.3	4.1							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	4.4	4.4	4.2							
G112.0	4.6	4.6	4.3							
G113.0	4.7	4.7	4.4							
G114.0	4.8	4.8	4.6							
G115.0	4.9	4.9	4.7							
G116.0	5.0	5.0	4.8							
G117.0	5.1	5.2	4.9							
G118.0	5.2	5.3	5.1							
G119.0	5.3	5.4	5.2							
G120.0	5.4	5.5	5.3							
G121.0	5.5	5.6	5.4							
G122.0	5.7	5.7	5.5							
G123.0	5.8	5.9	5.6							
G124.0	5.9	5.9	5.8							
G125.0	6.0	6.1	5.9							
G126.0	6.2	6.2	6.0							
G127.0	6.3	6.3	6.1							
G128.0	6.4	6.4	6.3							
G129.0	6.4	6.5	6.3							
G130.0	6.6	6.5	6.5							
G131.0	6.6	6.7	6.6							
G132.0	6.7	6.7	6.7							
G133.0	6.8	6.9	6.8							
G134.0	6.9	7.0	6.9							
G135.0	6.9	7.0	7.0							
G136.0	7.0	7.1	7.1							
G137.0	7.2	7.3	7.2							
G138.0	7.2	7.3	7.3							
G139.0	7.3	7.4	7.3							
G140.0	7.4	7.5	7.3							
G141.0	7.5	7.6	7.5							
G142.0	7.6	7.7	7.6							
G143.0	7.6	7.8	7.6							
G144.0	7.7	7.8	7.7							
G145.0	7.8	7.9	7.7							
G146.0	7.8	8.0	7.8							
G147.0	7.9	8.1	7.9							

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	8.0	8.2	8.0							
G149.0	8.1	8.2	8.0							
G150.0	8.1	8.3	8.1							
G151.0	8.2	8.4	8.1							
G152.0	8.2	8.4	8.2							
G153.0	8.3	8.5	8.3							
G154.0	8.4	8.6	8.4							
G155.0	8.5	8.6	8.4							
G156.0	8.6	8.7	8.5							
G157.0	8.7	8.8	8.5							
G158.0	8.7	8.8	8.6							
G159.0	8.8	8.8	8.7							
G160.0	8.9	8.9	8.7							
G161.0	9.0	8.9	8.8							
G162.0	9.0	9.0	8.8							
G163.0	9.0	9.0	8.8							
G164.0	9.1	9.1	8.9							
G165.0	9.1	9.1	9.0							
G166.0	9.2	9.1	9.1							
G167.0	9.3	9.2	9.0							
G168.0	9.3	9.2	9.1							
G169.0	9.4	9.3	9.1							
G170.0	9.5	9.4	9.3							
G171.0	9.5	9.4	9.3							
G172.0	9.5	9.4	9.4							
G173.0	9.6	9.5	9.5							
G174.0	9.6	9.5	9.6							
G175.0	9.6	9.5	9.7							
G176.0	9.7	9.6	9.8							
G177.0	9.7	9.6	9.9							
G178.0	9.7	9.6	9.9							
G179.0	9.7	9.7	10.1							
G180.0	9.8	9.6	10.1							

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: