

Report No.: 202601201048

Test Time: 2026-01-20 10:49

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ASD-LPR-12D24WH-5000K

Voltage: 121.4 V

Current: 0.195 A

Power: 23.15 W

Power Factor: 0.976

Photometric Results

CIE Class: Direct

Measurement Flux: 2187.9 lm

Downward Ratio: 97%

Total Rated Lamp Lumens: 2187.9 lm

Efficiency: 100%

Upward Ratio: 3%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.9, 164.5, 163.9, 164.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.2, 113.8, 113.3, 113.7

Luminaire Efficacy Rating (LER): 94.56

Central Intensity: 730.22 cd

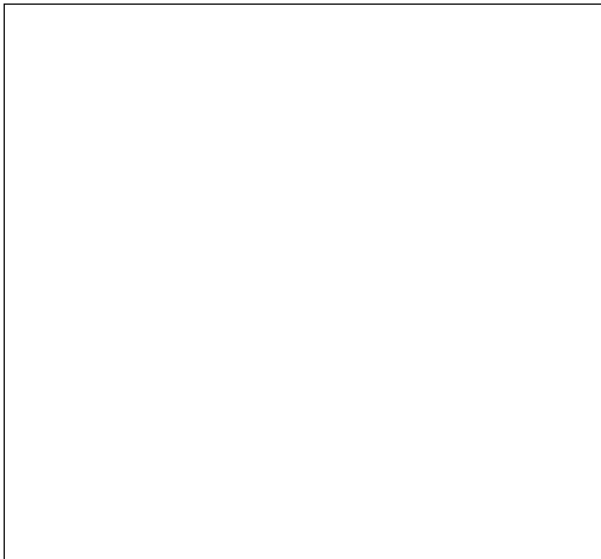
Max. Intensity: 730.22 cd

Pos of Max. Intensity: H0 V0

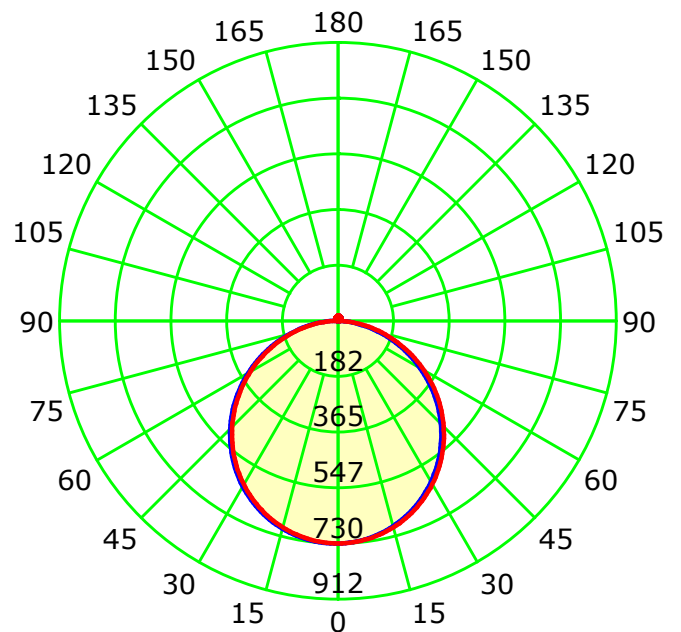
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.5°

— 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

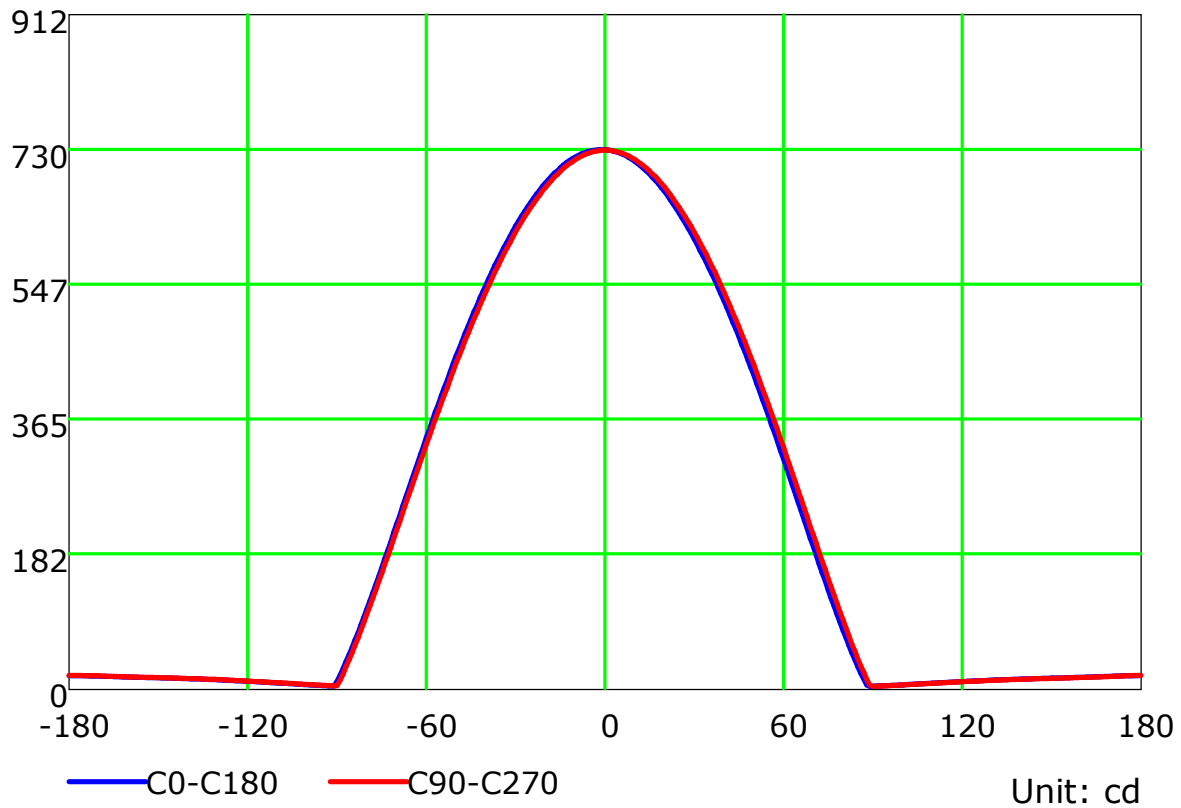
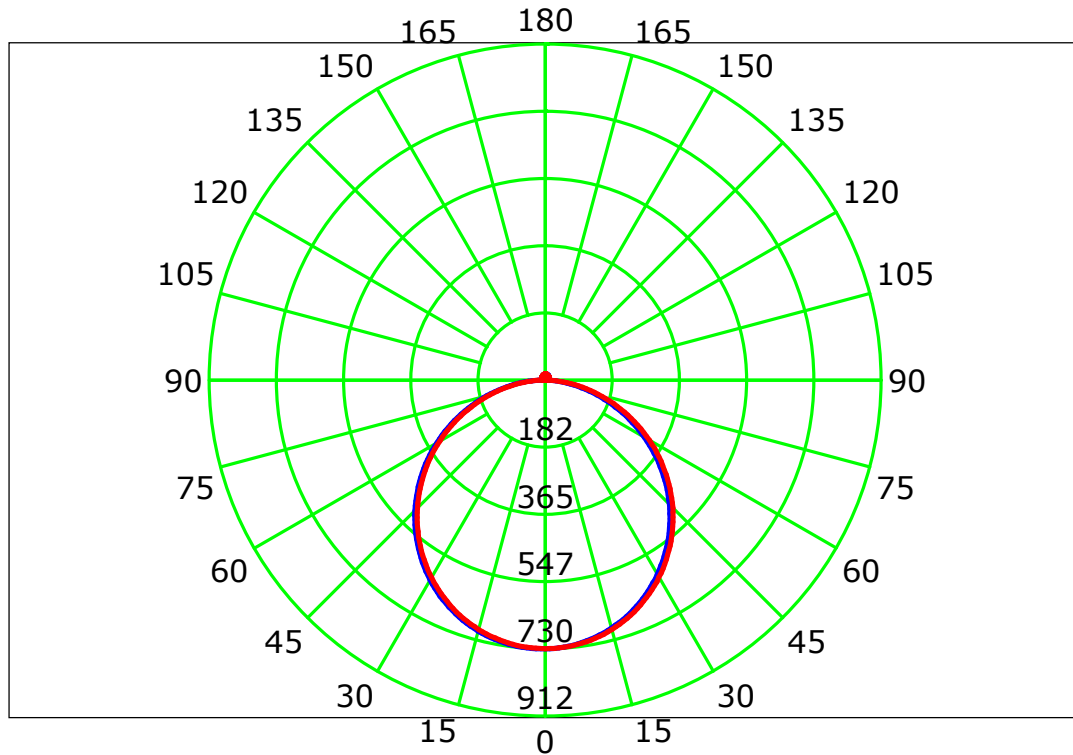
Test Device: GPM-1600L

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

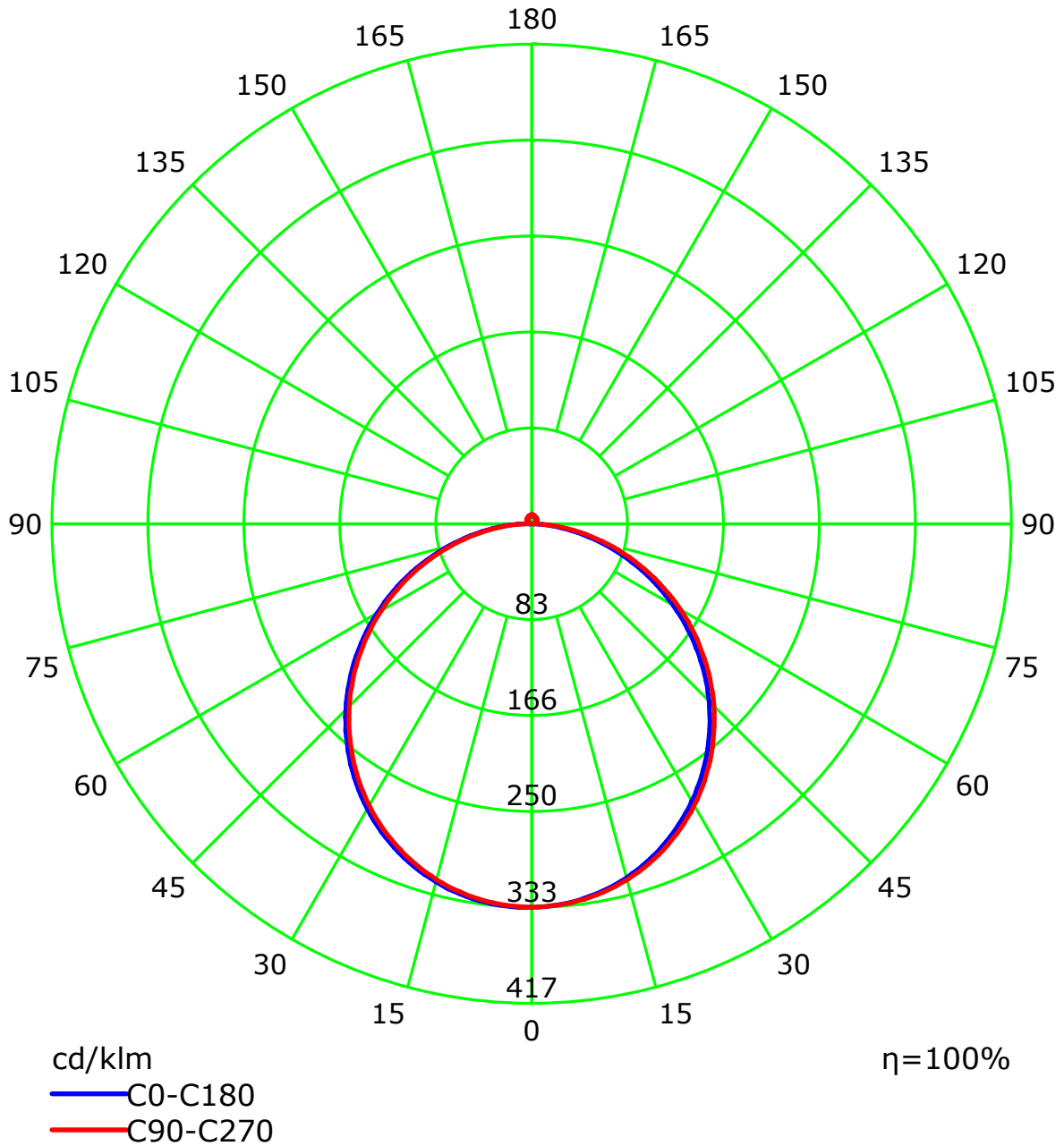
Test Device: GPM-1600L

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:

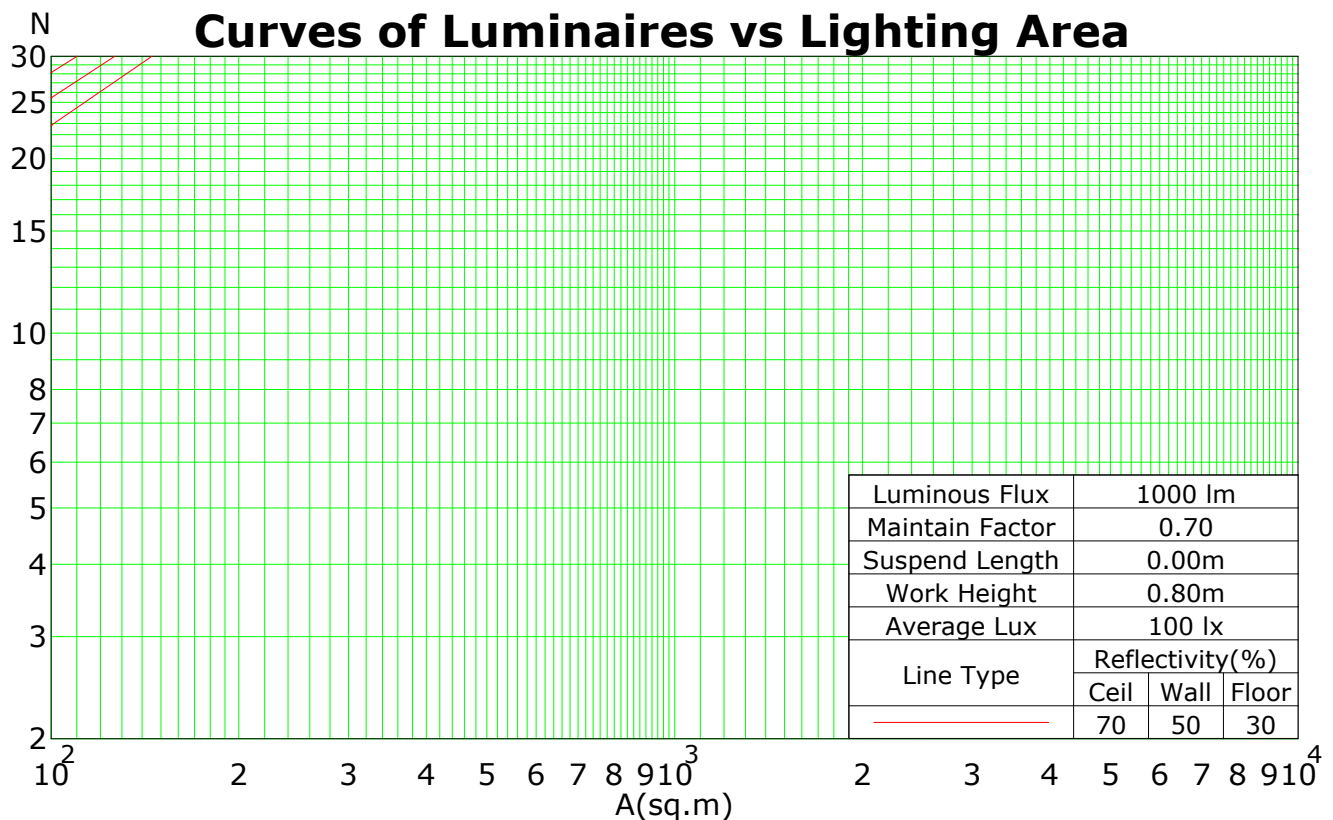
Coefficients Of Utilization - Zonal Cavity Method

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	98	95	105	100	96	93	96	92	89	91	89	86	87	85	83	81
2	98	89	82	77	95	87	81	75	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	59	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): 1.38



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

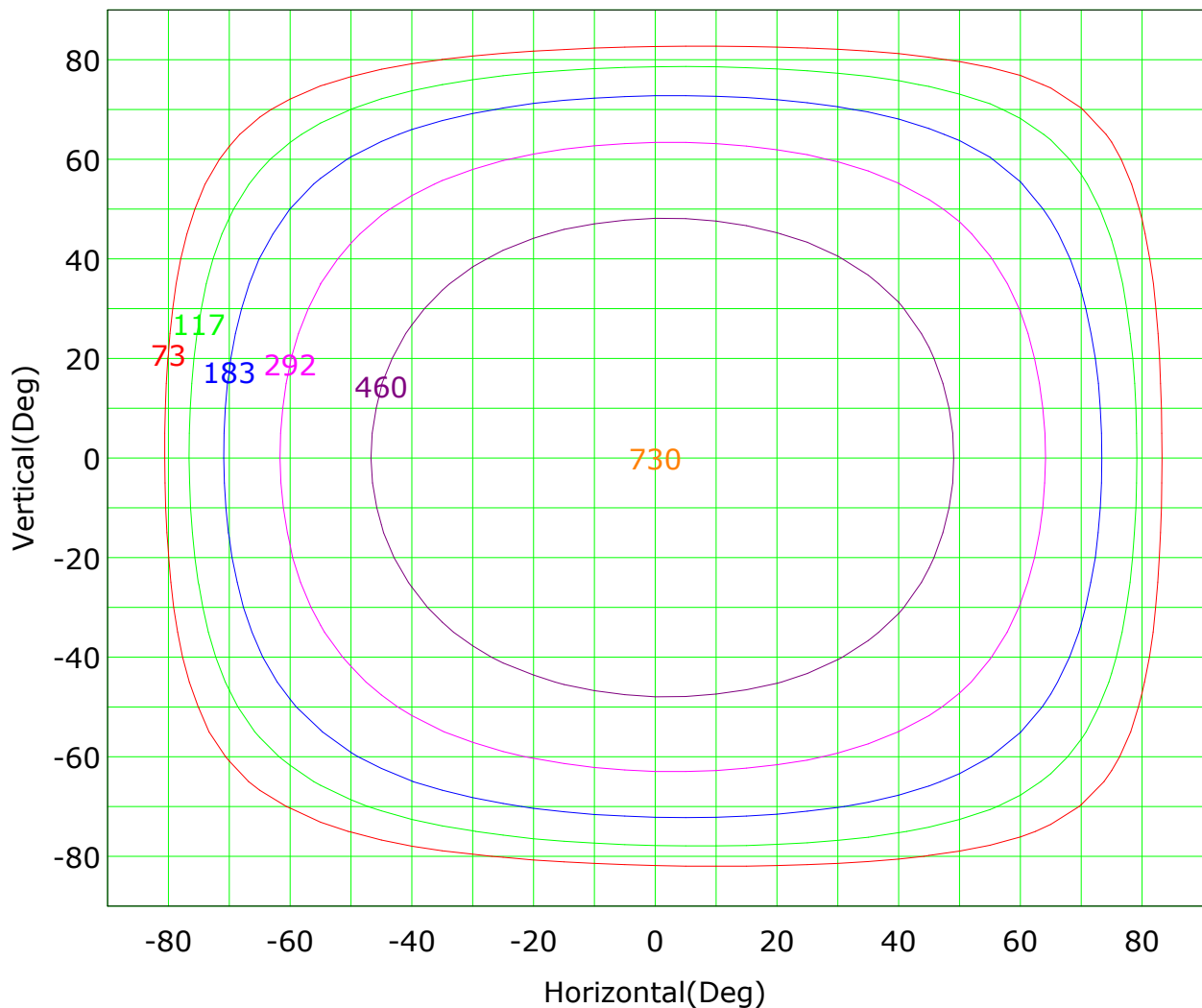
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 730 cd

(10%): 73 cd	(16%): 117 cd
(25%): 183 cd	(40%): 292 cd
(63%): 460 cd	(100%): 730 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

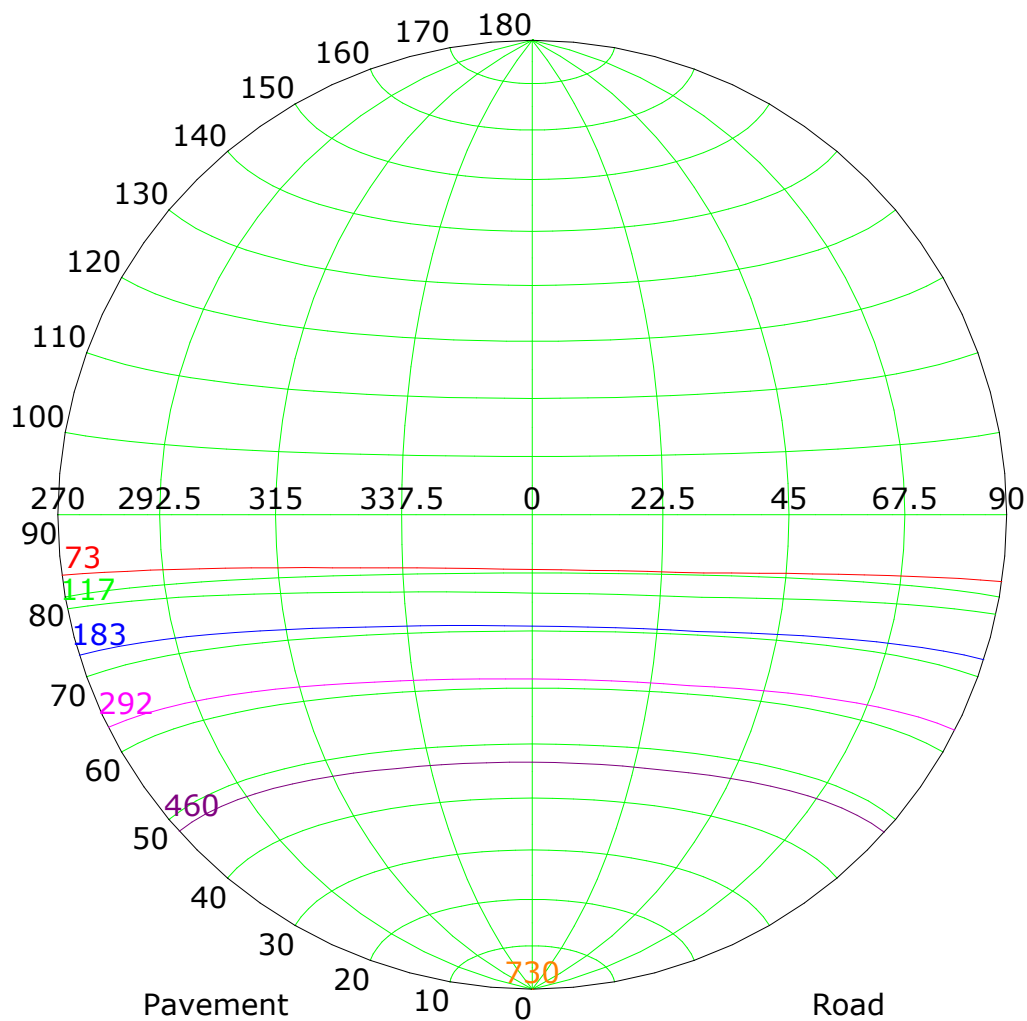
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 730 cd

(10%): 73 cd	(16%): 117 cd
(25%): 183 cd	(40%): 292 cd
(63%): 460 cd	(100%): 730 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

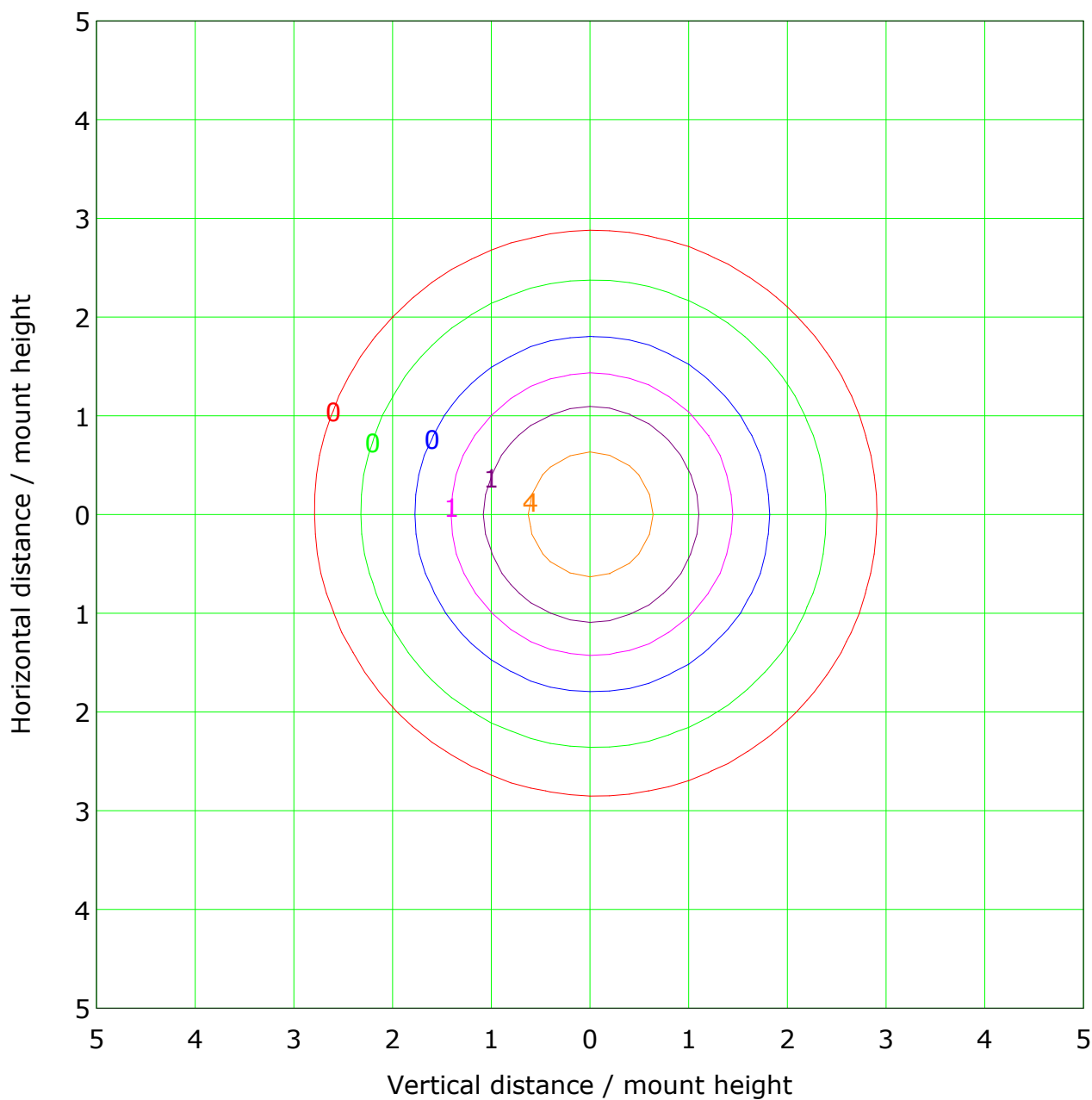
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 7.3 lx

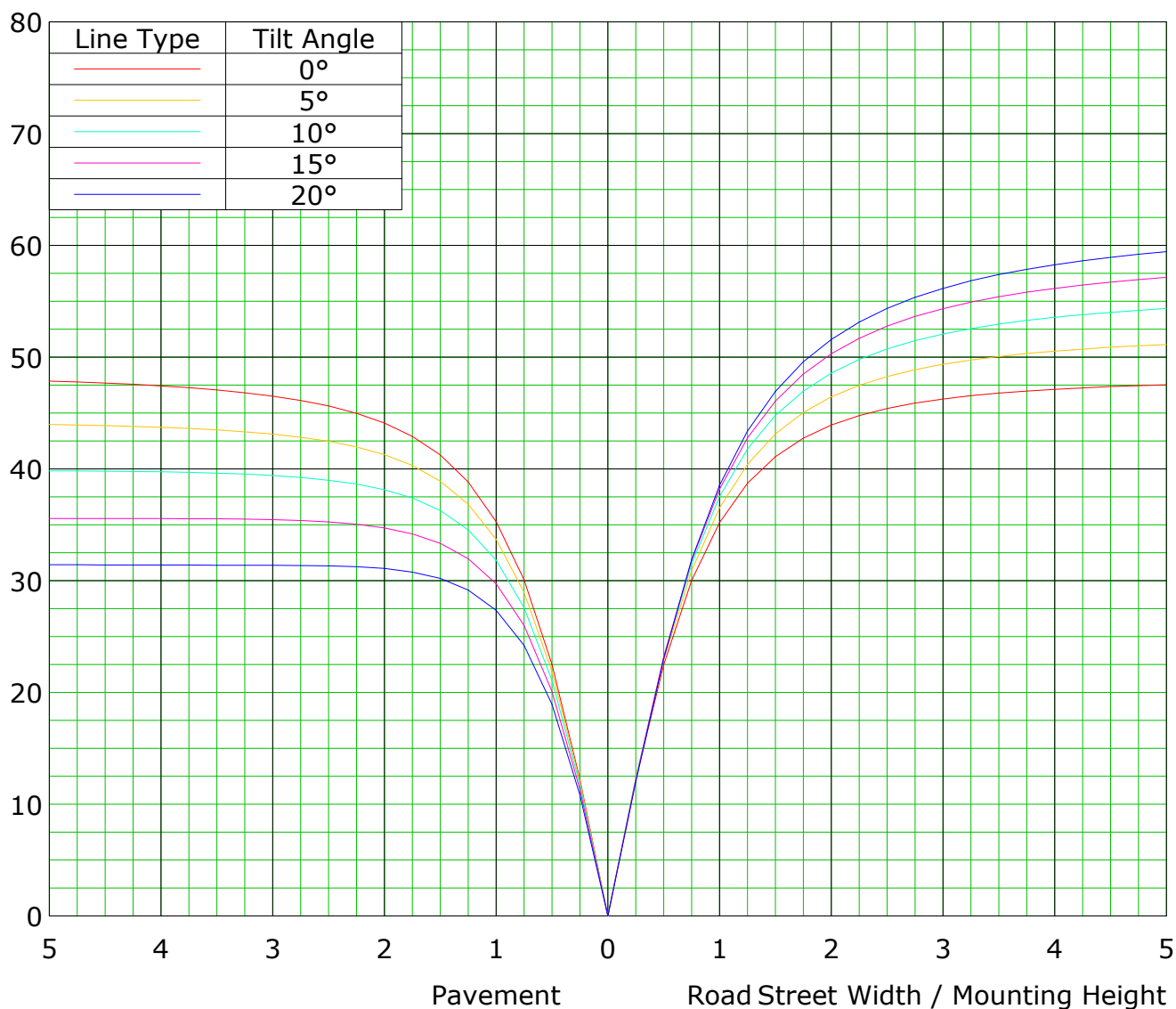
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.4 lx	(10%): 0.7 lx
(20%): 1.5 lx	(50%): 3.7 lx
(100%): 7.3 lx	

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

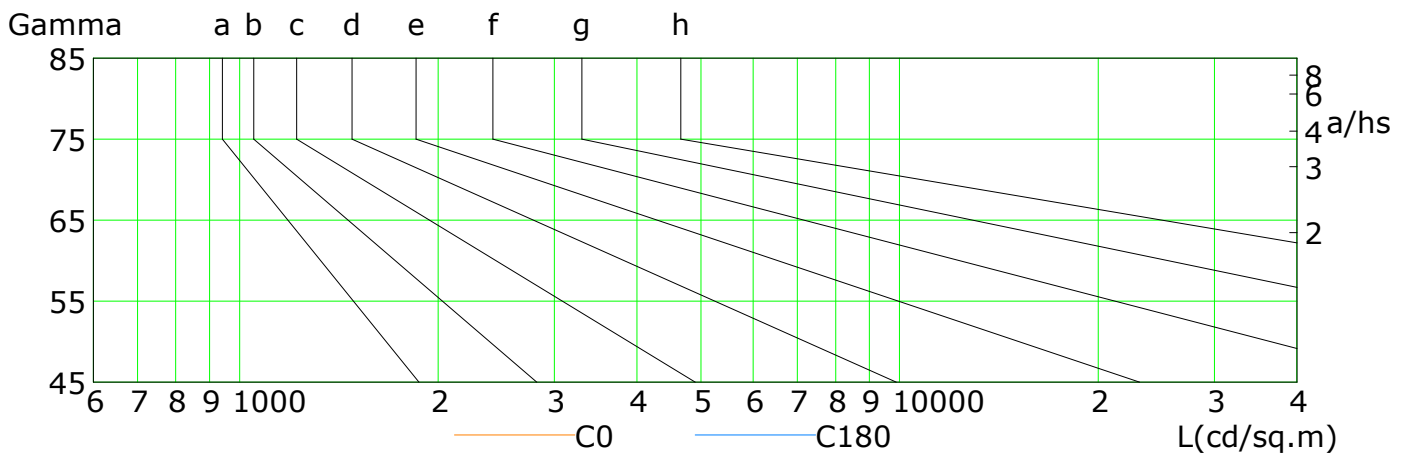
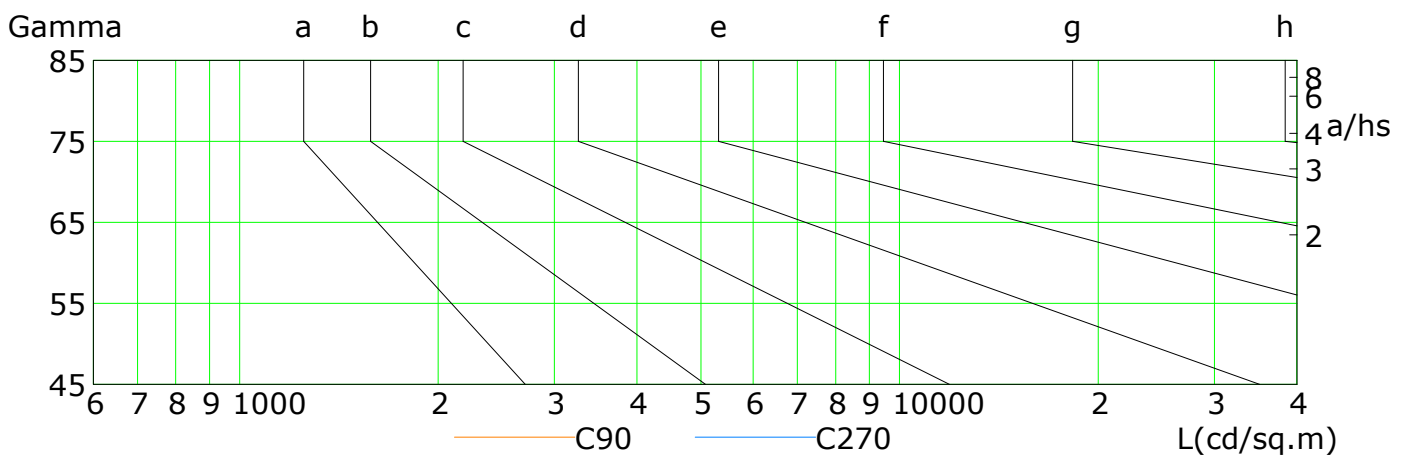
Humidity:

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	477	425	370	311	252	193	134	79	30
C90	491	439	385	328	268	209	149	93	40
C180	501	451	397	340	282	223	164	108	55
C270	491	441	388	331	273	214	156	101	48

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

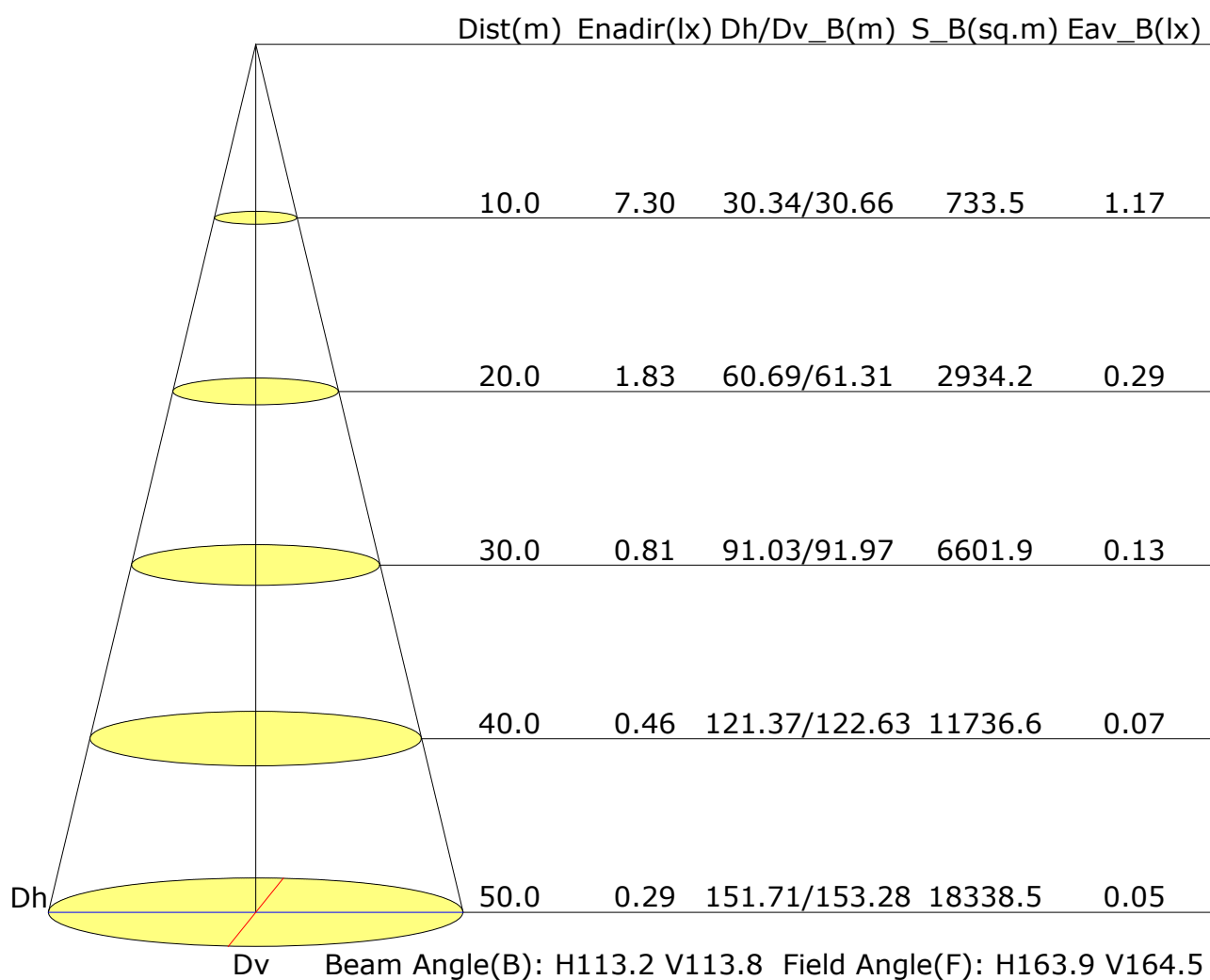
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

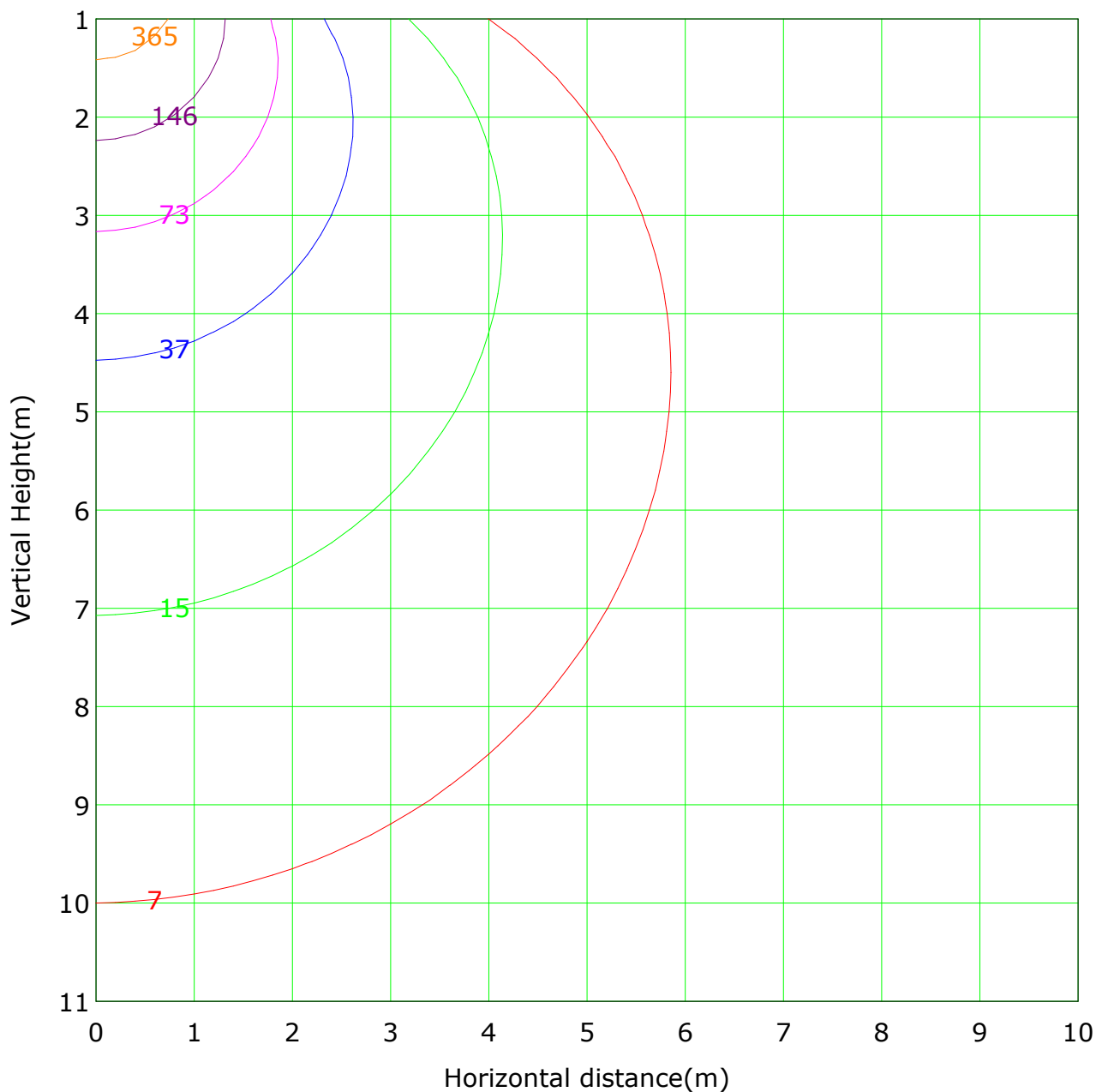
Illuminance at a Distance



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: 730.2 lx

(1%): 7.3 lx	(2%): 14.6 lx
(5%): 36.5 lx	(10%): 73.0 lx
(20%): 146.0 lx	(50%): 365.1 lx
(100%): 730.2 lx	

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

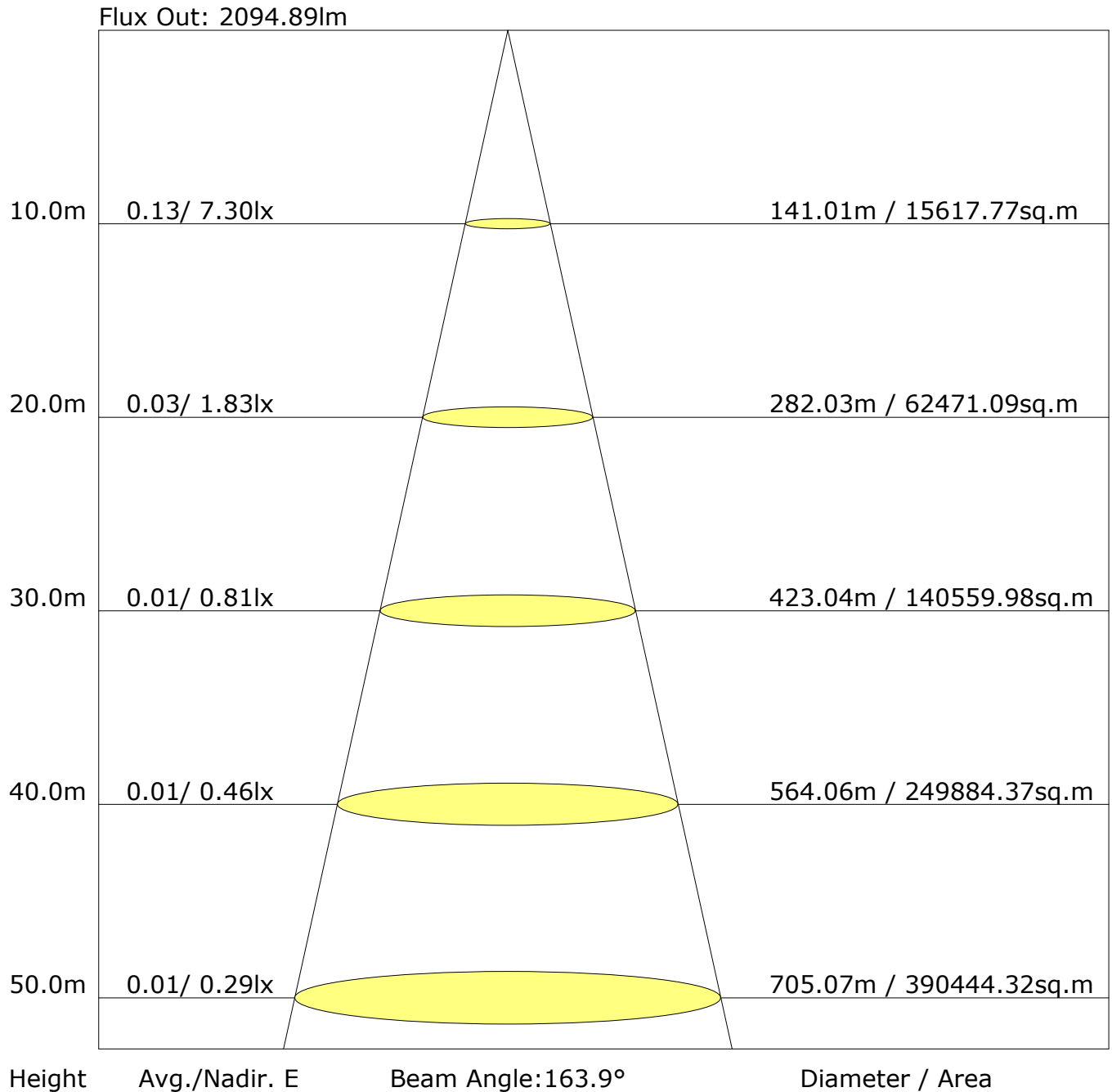
Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Area Flux Table

Unit: lm

	Vertical plane																		Horizontal plane									
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)							
Vertical plane	-90	0.0	0.2	0.4	0.6	0.9	1.2	1.4	1.5	1.5	1.5	1.3	1.1	0.8	0.6	0.3	0.1	0.0	0.0	13.5	3.8							
	-80	0.1	0.4	0.9	1.6	2.5	3.3	4.0	4.5	4.8	4.7	4.3	3.7	2.9	2.1	1.3	0.6	0.2	0.0	41.7	39.0							
	-70	0.1	0.6	1.5	2.7	4.1	5.6	6.9	7.8	8.3	8.2	7.6	6.5	5.2	3.7	2.3	1.1	0.4	0.0	72.5	71.6							
	-60	0.1	0.8	2.0	3.8	5.8	7.9	9.7	11.0	11.7	11.6	10.8	9.3	7.4	5.3	3.3	1.7	0.6	0.1	102.7	102.2							
	-50	0.1	0.9	2.5	4.7	7.3	9.9	12.3	14.0	14.8	14.7	13.7	11.9	9.5	6.8	4.3	2.2	0.7	0.1	130.5	130.2							
	-40	0.2	1.1	2.9	5.6	8.6	11.7	14.5	16.5	17.5	17.4	16.2	14.1	11.3	8.1	5.1	2.6	0.9	0.1	154.4	154.2							
	-30	0.2	1.2	3.3	6.2	9.7	13.2	16.2	18.5	19.7	19.6	18.2	15.8	12.6	9.2	5.8	2.9	1.0	0.1	173.3	173.1							
	-20	0.2	1.3	3.5	6.7	10.4	14.1	17.4	19.9	21.1	21.0	19.6	17.0	13.6	9.9	6.2	3.2	1.1	0.1	186.4	186.2							
	-10	0.2	1.3	3.7	6.9	10.7	14.6	18.0	20.6	21.9	21.8	20.3	17.6	14.1	10.2	6.4	3.3	1.1	0.1	193.0	192.9							
	0	0.2	1.3	3.6	6.9	10.7	14.6	18.1	20.6	21.9	21.8	20.3	17.6	14.1	10.2	6.4	3.3	1.1	0.1	193.0	192.8							
Horizontal plane	10	0.2	1.3	3.5	6.7	10.4	14.1	17.5	19.9	21.2	21.0	19.6	17.0	13.6	9.8	6.2	3.1	1.1	0.1	186.2	186.0							
	20	0.2	1.2	3.3	6.2	9.7	13.2	16.2	18.5	19.7	19.6	18.2	15.7	12.6	9.1	5.7	2.9	1.0	0.1	172.9	172.7							
	30	0.2	1.1	2.9	5.6	8.6	11.7	14.5	16.5	17.5	17.4	16.2	14.0	11.1	8.0	5.0	2.5	0.8	0.1	153.8	153.6							
	40	0.1	0.9	2.5	4.7	7.3	9.9	12.3	13.9	14.8	14.7	13.6	11.8	9.3	6.7	4.2	2.1	0.7	0.1	129.6	129.3							
	50	0.1	0.7	2.0	3.7	5.8	7.8	9.6	11.0	11.6	11.5	10.6	9.2	7.2	5.2	3.2	1.6	0.5	0.1	101.4	100.9							
	60	0.1	0.6	1.4	2.7	4.1	5.5	6.8	7.7	8.1	8.0	7.4	6.3	5.0	3.5	2.1	1.0	0.3	0.0	70.6	69.6							
	70	0.1	0.4	0.9	1.6	2.4	3.2	3.9	4.4	4.6	4.5	4.1	3.4	2.7	1.9	1.1	0.5	0.2	0.0	39.5	36.4							
	80	0.0	0.2	0.3	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.1	0.9	0.7	0.4	0.2	0.1	0.0	0.0	11.4	2.4							
	90	2.3	15.4	41.2	77.5	119.8	162.5	200.3	227.9	241.9	240.3	223.2	193.0	153.8	110.6	69.1	34.8	11.6	1.3	2127								
	Flux(E)	0.9	13.6	39.5	75.8	118.1	160.9	198.6	226.4	240.4	238.7	221.6	191.4	152.1	108.9	67.3	33.0	9.6	0.1		2097							

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:

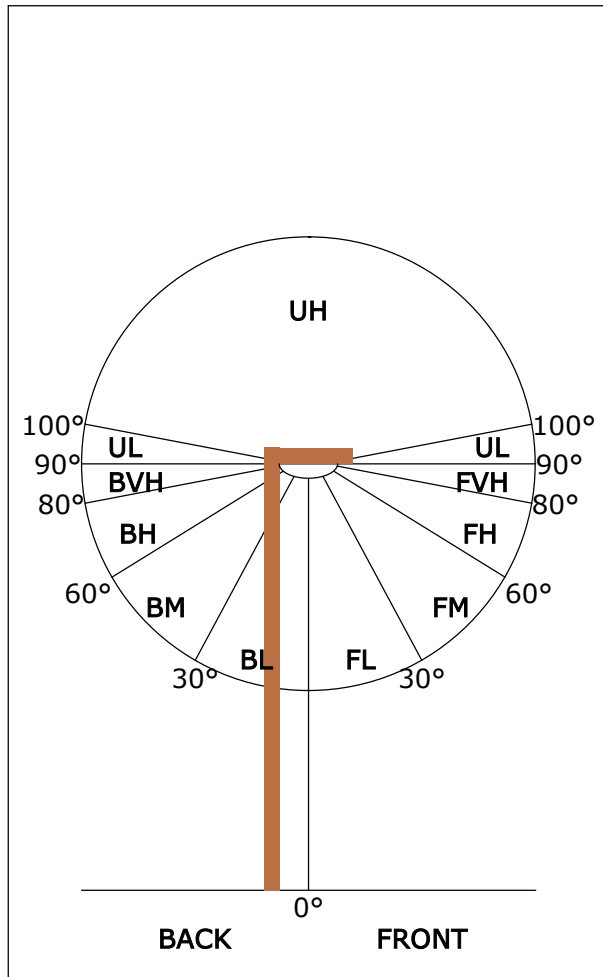
UGR Table

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 2188lm ($8\log(F/F_0) = 2.7$).

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


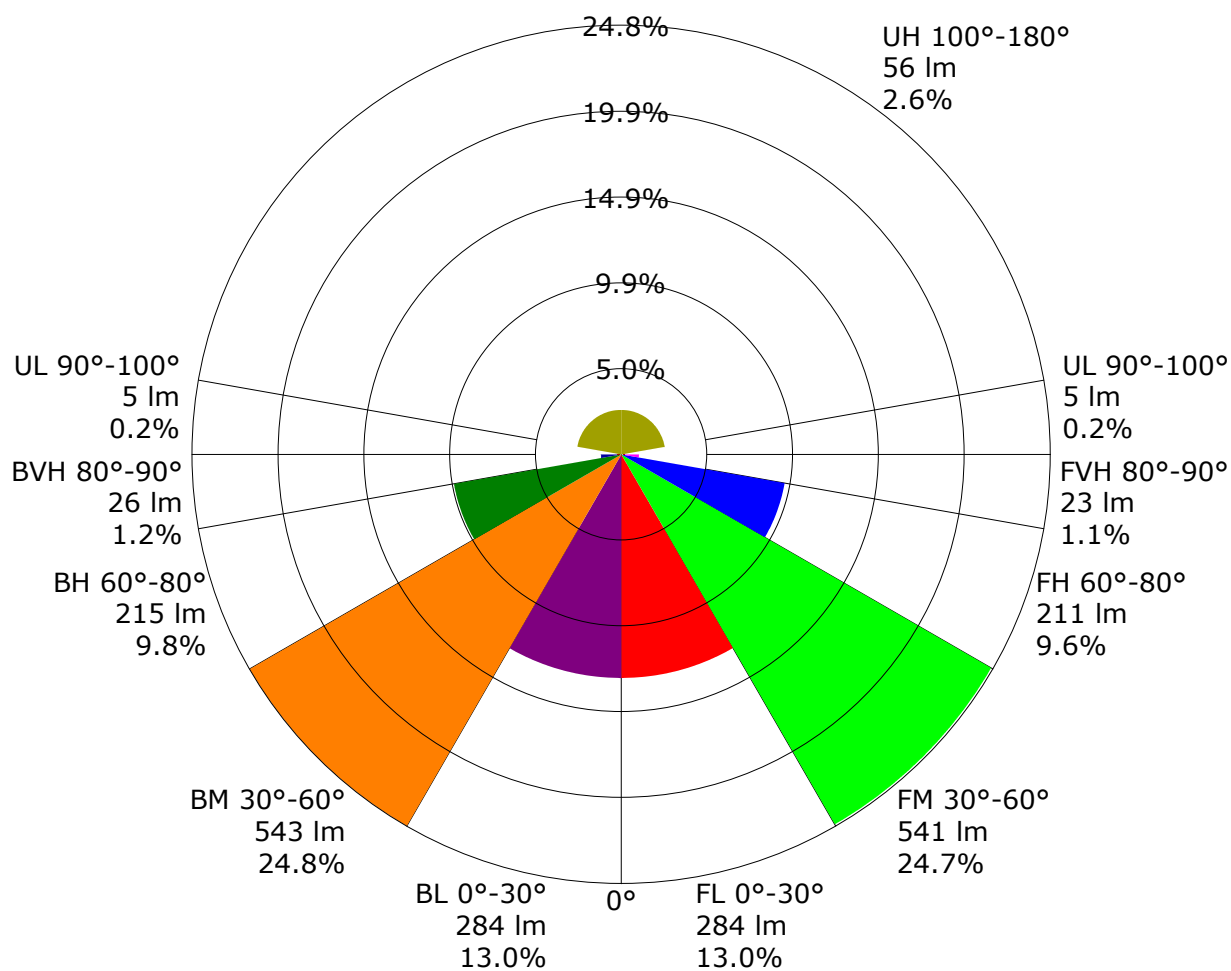
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1059	48.4
FL (0°-30°)	284	13.0
FM (30°-60°)	541	24.7
FH (60°-80°)	211	9.6
FVH (80°-90°)	23	1.1
BACK LIGHT	1068	48.8
BL (0°-30°)	284	13.0
BM (30°-60°)	543	24.8
BH (60°-80°)	215	9.8
BVH (80°-90°)	26	1.2
UP LIGHT	61	2.8
UL (90°-100°)	5	0.2
UH (100°-180°)	56	2.6
TRAPPED 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		0.41	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		0.41	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:23W 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	1.01	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	0.22	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.21	
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.43	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.32	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	0.29	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:23W 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	0.20	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:23W 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	729.6	0.7	0.7	0.03	0.03
1.0-2.0	729.4	2.1	2.8	0.10	0.13
2.0-3.0	728.9	3.5	6.3	0.16	0.29
3.0-4.0	728.1	4.9	11.2	0.22	0.51
4.0-5.0	727.1	6.3	17.4	0.29	0.80
5.0-6.0	725.8	7.6	25.0	0.35	1.14
6.0-7.0	724.3	9.0	34.0	0.41	1.56
7.0-8.0	722.5	10.3	44.4	0.47	2.03
8.0-9.0	720.5	11.7	56.0	0.53	2.56
9.0-10.0	718.3	13.0	69.0	0.59	3.16
10.0-11.0	715.7	14.3	83.4	0.65	3.81
11.0-12.0	712.9	15.6	98.9	0.71	4.52
12.0-13.0	709.9	16.8	115.8	0.77	5.29
13.0-14.0	706.5	18.1	133.9	0.83	6.12
14.0-15.0	703.0	19.3	153.2	0.88	7.00
15.0-16.0	699.1	20.5	173.7	0.94	7.94
16.0-17.0	695.1	21.7	195.3	0.99	8.93
17.0-18.0	691.1	22.8	218.1	1.04	9.97
18.0-19.0	686.5	23.9	242.0	1.09	11.06
19.0-20.0	681.7	25.0	266.9	1.14	12.20
20.0-21.0	676.9	26.0	292.9	1.19	13.39
21.0-22.0	671.6	27.0	319.9	1.23	14.62
22.0-23.0	666.1	28.0	347.9	1.28	15.90
23.0-24.0	660.3	28.9	376.8	1.32	17.22
24.0-25.0	654.4	29.8	406.5	1.36	18.58
25.0-26.0	648.5	30.6	437.1	1.40	19.98
26.0-27.0	642.1	31.4	468.6	1.44	21.42
27.0-28.0	635.5	32.2	500.7	1.47	22.89
28.0-29.0	629.0	32.9	533.7	1.50	24.39
29.0-30.0	622.0	33.6	567.2	1.54	25.93
30.0-31.0	614.7	34.2	601.5	1.56	27.49
31.0-32.0	607.3	34.8	636.3	1.59	29.08
32.0-33.0	599.6	35.3	671.6	1.61	30.70
33.0-34.0	592.1	35.8	707.4	1.64	32.33
34.0-35.0	584.1	36.3	743.7	1.66	33.99
35.0-36.0	575.9	36.7	780.4	1.68	35.67

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	567.8	37.0	817.4	1.69	37.36
37.0-38.0	559.2	37.3	854.7	1.71	39.07
38.0-39.0	550.4	37.6	892.3	1.72	40.78
39.0-40.0	541.4	37.8	930.1	1.73	42.51
40.0-41.0	532.3	37.9	968.0	1.73	44.24
41.0-42.0	523.4	38.0	1006.0	1.74	45.98
42.0-43.0	514.0	38.1	1044.1	1.74	47.72
43.0-44.0	504.3	38.1	1082.2	1.74	49.46
44.0-45.0	494.8	38.0	1120.2	1.74	51.20
45.0-46.0	484.8	37.9	1158.1	1.73	52.93
46.0-47.0	474.9	37.8	1195.9	1.73	54.66
47.0-48.0	464.7	37.6	1233.5	1.72	56.38
48.0-49.0	454.3	37.3	1270.8	1.71	58.08
49.0-50.0	444.2	37.0	1307.8	1.69	59.77
50.0-51.0	433.6	36.7	1344.5	1.68	61.45
51.0-52.0	422.8	36.3	1380.8	1.66	63.11
52.0-53.0	411.8	35.8	1416.6	1.64	64.75
53.0-54.0	400.7	35.3	1451.9	1.61	66.36
54.0-55.0	390.0	34.8	1486.8	1.59	67.95
55.0-56.0	378.8	34.2	1521.0	1.56	69.52
56.0-57.0	367.5	33.6	1554.6	1.54	71.05
57.0-58.0	356.5	33.0	1587.6	1.51	72.56
58.0-59.0	344.9	32.2	1619.8	1.47	74.03
59.0-60.0	333.2	31.5	1651.3	1.44	75.47
60.0-61.0	321.5	30.7	1682.0	1.40	76.88
61.0-62.0	309.8	29.9	1711.8	1.36	78.24
62.0-63.0	298.4	29.0	1740.9	1.33	79.57
63.0-64.0	286.5	28.1	1769.0	1.29	80.85
64.0-65.0	274.6	27.2	1796.2	1.24	82.09
65.0-66.0	263.2	26.3	1822.4	1.20	83.30
66.0-67.0	251.3	25.3	1847.7	1.15	84.45
67.0-68.0	239.3	24.2	1871.9	1.11	85.56
68.0-69.0	227.2	23.2	1895.1	1.06	86.62
69.0-70.0	215.2	22.1	1917.2	1.01	87.63
70.0-71.0	203.9	21.1	1938.3	0.96	88.59
71.0-72.0	192.0	20.0	1958.3	0.91	89.50

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	180.1	18.8	1977.1	0.86	90.36
73.0-74.0	168.9	17.8	1994.9	0.81	91.18
74.0-75.0	157.1	16.6	2011.5	0.76	91.94
75.0-76.0	145.5	15.4	2026.9	0.71	92.64
76.0-77.0	134.0	14.3	2041.2	0.65	93.29
77.0-78.0	122.7	13.1	2054.3	0.60	93.89
78.0-79.0	111.9	12.0	2066.4	0.55	94.44
79.0-80.0	100.7	10.9	2077.2	0.50	94.94
80.0-81.0	89.7	9.7	2086.9	0.44	95.38
81.0-82.0	79.4	8.6	2095.5	0.39	95.78
82.0-83.0	69.0	7.5	2103.0	0.34	96.12
83.0-84.0	58.6	6.4	2109.4	0.29	96.41
84.0-85.0	48.5	5.3	2114.7	0.24	96.65
85.0-86.0	38.8	4.2	2119.0	0.19	96.85
86.0-87.0	29.7	3.3	2122.2	0.15	97.00
87.0-88.0	20.7	2.3	2124.5	0.10	97.10
88.0-89.0	12.9	1.4	2125.9	0.06	97.16
89.0-90.0	7.5	0.8	2126.7	0.04	97.20
90.0-91.0	4.5	0.5	2127.2	0.02	97.23
91.0-92.0	3.7	0.4	2127.6	0.02	97.24
92.0-93.0	3.8	0.4	2128.0	0.02	97.26
93.0-94.0	4.0	0.4	2128.5	0.02	97.28
94.0-95.0	4.2	0.5	2128.9	0.02	97.30
95.0-96.0	4.4	0.5	2129.4	0.02	97.33
96.0-97.0	4.6	0.5	2129.9	0.02	97.35
97.0-98.0	4.8	0.5	2130.4	0.02	97.37
98.0-99.0	5.0	0.5	2131.0	0.02	97.40
99.0-100.0	5.2	0.6	2131.5	0.03	97.42
100.0-101.0	5.4	0.6	2132.1	0.03	97.45
101.0-102.0	5.6	0.6	2132.7	0.03	97.48
102.0-103.0	5.9	0.6	2133.3	0.03	97.51
103.0-104.0	6.1	0.6	2134.0	0.03	97.53
104.0-105.0	6.3	0.7	2134.7	0.03	97.57
105.0-106.0	6.5	0.7	2135.3	0.03	97.60
106.0-107.0	6.8	0.7	2136.1	0.03	97.63
107.0-108.0	7.0	0.7	2136.8	0.03	97.66

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	7.2	0.8	2137.5	0.03	97.70
109.0-110.0	7.4	0.8	2138.3	0.04	97.73
110.0-111.0	7.7	0.8	2139.1	0.04	97.77
111.0-112.0	7.9	0.8	2139.9	0.04	97.81
112.0-113.0	8.1	0.8	2140.7	0.04	97.84
113.0-114.0	8.3	0.8	2141.6	0.04	97.88
114.0-115.0	8.6	0.9	2142.4	0.04	97.92
115.0-116.0	8.8	0.9	2143.3	0.04	97.96
116.0-117.0	9.0	0.9	2144.2	0.04	98.00
117.0-118.0	9.2	0.9	2145.1	0.04	98.04
118.0-119.0	9.4	0.9	2146.0	0.04	98.08
119.0-120.0	9.6	0.9	2146.9	0.04	98.12
120.0-121.0	9.8	0.9	2147.8	0.04	98.17
121.0-122.0	10.0	0.9	2148.7	0.04	98.21
122.0-123.0	10.2	0.9	2149.7	0.04	98.25
123.0-124.0	10.4	1.0	2150.6	0.04	98.30
124.0-125.0	10.6	1.0	2151.6	0.04	98.34
125.0-126.0	10.8	1.0	2152.6	0.04	98.38
126.0-127.0	10.9	1.0	2153.5	0.04	98.43
127.0-128.0	11.1	1.0	2154.5	0.04	98.47
128.0-129.0	11.3	1.0	2155.5	0.04	98.52
129.0-130.0	11.5	1.0	2156.4	0.04	98.56
130.0-131.0	11.7	1.0	2157.4	0.04	98.61
131.0-132.0	11.9	1.0	2158.4	0.04	98.65
132.0-133.0	12.0	1.0	2159.4	0.04	98.69
133.0-134.0	12.2	1.0	2160.3	0.04	98.74
134.0-135.0	12.3	1.0	2161.3	0.04	98.78
135.0-136.0	12.5	1.0	2162.2	0.04	98.83
136.0-137.0	12.7	1.0	2163.2	0.04	98.87
137.0-138.0	12.8	0.9	2164.1	0.04	98.91
138.0-139.0	12.9	0.9	2165.1	0.04	98.96
139.0-140.0	13.1	0.9	2166.0	0.04	99.00
140.0-141.0	13.2	0.9	2166.9	0.04	99.04
141.0-142.0	13.4	0.9	2167.9	0.04	99.08
142.0-143.0	13.5	0.9	2168.8	0.04	99.12
143.0-144.0	13.7	0.9	2169.7	0.04	99.17

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	13.8	0.9	2170.5	0.04	99.21
145.0-146.0	13.9	0.9	2171.4	0.04	99.24
146.0-147.0	14.1	0.9	2172.3	0.04	99.28
147.0-148.0	14.2	0.8	2173.1	0.04	99.32
148.0-149.0	14.3	0.8	2173.9	0.04	99.36
149.0-150.0	14.4	0.8	2174.7	0.04	99.40
150.0-151.0	14.6	0.8	2175.5	0.04	99.43
151.0-152.0	14.7	0.8	2176.3	0.04	99.47
152.0-153.0	14.8	0.8	2177.0	0.03	99.50
153.0-154.0	14.9	0.7	2177.7	0.03	99.54
154.0-155.0	15.1	0.7	2178.5	0.03	99.57
155.0-156.0	15.2	0.7	2179.1	0.03	99.60
156.0-157.0	15.3	0.7	2179.8	0.03	99.63
157.0-158.0	15.4	0.6	2180.5	0.03	99.66
158.0-159.0	15.5	0.6	2181.1	0.03	99.69
159.0-160.0	15.6	0.6	2181.7	0.03	99.72
160.0-161.0	15.7	0.6	2182.3	0.03	99.74
161.0-162.0	15.9	0.6	2182.8	0.03	99.77
162.0-163.0	16.0	0.5	2183.3	0.02	99.79
163.0-164.0	16.1	0.5	2183.8	0.02	99.81
164.0-165.0	16.2	0.5	2184.3	0.02	99.84
165.0-166.0	16.3	0.4	2184.8	0.02	99.86
166.0-167.0	16.4	0.4	2185.2	0.02	99.87
167.0-168.0	16.5	0.4	2185.6	0.02	99.89
168.0-169.0	16.7	0.4	2185.9	0.02	99.91
169.0-170.0	16.8	0.3	2186.3	0.02	99.92
170.0-171.0	16.9	0.3	2186.6	0.01	99.94
171.0-172.0	17.1	0.3	2186.9	0.01	99.95
172.0-173.0	17.2	0.2	2187.1	0.01	99.96
173.0-174.0	17.3	0.2	2187.3	0.01	99.97
174.0-175.0	17.4	0.2	2187.5	0.01	99.98
175.0-176.0	17.4	0.2	2187.7	0.01	99.99
176.0-177.0	17.5	0.1	2187.8	0.01	99.99
177.0-178.0	17.5	0.1	2187.9	0.00	100.00
178.0-179.0	17.6	0.1	2187.9	0.00	100.00
179.0-180.0	17.6	0.0	2187.9	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	730.2	729.5	729.5	729.4	729.8	729.8	730.2	729.5	729.5	729.4
G1.0	729.8	729.0	729.0	729.5	729.9	730.1	730.2	729.6	729.3	729.5
G2.0	729.2	728.2	728.7	729.0	729.7	730.1	730.2	729.3	729.3	728.7
G3.0	727.8	727.5	727.8	728.1	729.2	729.8	729.8	729.1	728.3	728.3
G4.0	727.0	726.1	726.8	727.6	728.5	729.1	729.2	728.3	728.0	727.6
G5.0	725.6	724.9	725.2	726.3	727.8	728.6	728.2	728.1	726.7	726.1
G6.0	723.9	722.7	724.0	725.1	726.0	727.4	727.4	726.4	725.6	724.9
G7.0	722.1	721.4	721.8	723.0	725.3	726.2	725.7	725.6	724.3	723.1
G8.0	719.7	718.6	720.0	721.5	723.0	724.3	724.3	723.5	722.5	721.3
G9.0	717.3	716.6	717.4	719.3	721.5	722.8	722.2	721.9	720.7	719.0
G10.0	714.4	713.9	715.2	716.8	719.2	720.4	720.1	719.8	718.2	716.8
G11.0	711.6	710.9	711.9	714.2	716.8	718.4	717.7	717.2	715.8	713.7
G12.0	708.3	707.6	709.2	711.3	714.0	715.4	715.1	714.8	713.0	711.2
G13.0	705.0	703.7	705.7	708.4	710.6	712.6	712.5	711.9	710.0	708.1
G14.0	701.1	700.2	702.3	704.7	707.7	709.3	709.0	708.7	706.6	704.7
G15.0	697.3	696.0	698.7	701.5	703.9	706.1	705.7	705.3	703.1	701.1
G16.0	692.7	691.8	694.3	697.1	700.6	702.4	701.5	701.7	699.2	696.5
G17.0	688.6	687.2	690.2	693.5	696.4	699.0	698.3	697.8	695.5	693.2
G18.0	683.8	683.1	685.7	689.0	692.9	694.8	694.0	694.0	691.4	688.6
G19.0	678.9	677.4	680.8	684.3	687.5	690.1	689.8	689.2	686.7	684.1
G20.0	673.8	672.9	675.6	679.6	683.6	685.9	685.0	684.7	682.1	679.0
G21.0	668.5	667.3	670.8	674.7	678.7	681.0	680.5	680.2	677.3	674.4
G22.0	662.3	661.1	664.7	669.3	673.1	675.8	675.0	674.8	671.9	668.6
G23.0	656.7	655.4	658.9	663.7	667.8	670.5	670.0	669.8	666.5	663.6
G24.0	650.3	648.9	653.0	657.3	661.8	665.0	664.1	663.9	660.9	657.4
G25.0	644.1	643.1	646.7	651.9	656.4	659.5	658.7	658.5	655.0	651.8
G26.0	637.6	636.6	641.1	645.7	650.3	653.6	652.9	652.5	649.3	645.8
G27.0	630.7	629.4	633.7	639.1	643.8	647.3	646.3	646.4	642.3	639.3
G28.0	623.8	622.8	627.6	632.3	637.5	640.8	640.2	639.8	636.5	632.8
G29.0	617.4	615.7	620.4	626.2	630.9	634.6	633.5	634.0	629.8	626.2
G30.0	609.1	608.0	613.0	618.2	623.7	627.2	626.7	626.3	622.7	618.8
G31.0	602.3	600.5	605.4	611.7	616.7	620.5	619.4	620.0	615.6	611.8
G32.0	593.6	592.6	597.8	604.0	609.1	612.7	612.0	611.8	608.1	603.9
G33.0	586.4	584.8	589.8	596.5	601.6	605.6	604.7	605.0	600.7	596.7
G34.0	578.1	577.1	582.4	588.9	594.6	598.0	597.3	597.3	593.3	589.2
G35.0	569.6	567.9	573.3	580.3	585.8	590.1	589.1	589.5	585.0	580.7
G36.0	561.7	560.0	565.6	572.3	578.2	582.0	581.1	581.3	577.1	572.8

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 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	553.1	551.2	557.0	564.3	569.8	574.0	573.3	573.9	569.2	564.5
G38.0	543.9	542.1	548.0	555.1	561.2	565.1	564.2	564.5	560.2	555.7
G39.0	534.9	532.8	539.2	546.6	552.5	556.8	555.9	556.8	552.1	547.1
G40.0	525.3	523.5	529.7	537.1	543.5	547.6	546.7	547.5	542.5	537.8
G41.0	516.0	514.0	520.6	528.1	534.3	539.5	538.0	538.8	534.0	529.0
G42.0	506.9	505.3	511.4	519.1	526.0	530.2	529.7	529.9	525.5	520.3
G43.0	496.7	495.0	501.2	509.4	516.3	520.7	519.3	520.4	515.5	510.1
G44.0	487.0	485.2	491.5	499.7	506.9	511.1	510.7	511.0	506.5	501.3
G45.0	477.5	475.5	482.0	490.5	497.4	502.2	500.6	501.0	496.4	491.4
G46.0	466.4	464.9	471.8	480.4	487.2	491.9	490.9	491.4	486.8	481.4
G47.0	456.8	454.7	461.5	470.2	477.2	482.2	481.3	482.2	477.1	471.9
G48.0	446.0	443.8	450.7	459.7	466.7	471.6	470.9	471.9	466.4	461.0
G49.0	435.5	434.0	440.2	449.4	457.2	461.8	460.7	461.6	456.5	451.1
G50.0	425.4	423.1	430.3	439.2	446.7	451.4	450.9	451.9	446.9	441.1
G51.0	413.5	411.9	419.0	428.1	435.4	440.6	440.2	440.8	436.0	430.5
G52.0	403.3	400.9	408.3	417.5	425.3	430.0	429.5	430.4	425.5	419.8
G53.0	391.6	389.5	396.7	406.0	414.1	418.9	418.3	419.1	414.3	408.2
G54.0	380.7	378.1	385.8	395.1	403.5	408.1	407.4	408.4	403.5	397.8
G55.0	369.7	367.5	374.9	384.5	392.7	397.8	397.0	397.9	393.0	387.5
G56.0	357.5	355.4	363.0	373.0	380.4	386.3	385.3	386.4	381.4	376.0
G57.0	346.5	344.2	351.7	361.5	369.9	375.1	374.7	375.8	370.9	365.2
G58.0	335.2	332.6	341.0	351.0	358.6	364.3	363.3	364.5	359.7	354.1
G59.0	322.9	320.5	328.2	338.3	346.7	352.0	351.6	352.7	347.5	342.4
G60.0	311.3	309.0	317.3	327.5	335.6	341.0	340.1	341.4	336.7	331.0
G61.0	299.1	296.5	304.5	314.7	323.3	328.5	328.2	329.4	324.8	319.1
G62.0	288.0	285.1	293.4	303.7	312.0	317.5	317.4	318.2	313.3	308.4
G63.0	276.2	273.4	281.5	292.0	300.4	306.0	305.7	306.7	302.5	296.8
G64.0	264.0	260.9	269.2	279.7	288.2	293.7	293.5	294.5	290.2	284.8
G65.0	252.1	249.7	258.0	267.9	276.4	282.0	282.2	283.5	278.7	273.1
G66.0	241.0	237.8	246.3	256.7	265.2	270.7	270.4	271.7	267.4	262.1
G67.0	228.0	225.5	233.9	243.8	252.3	257.9	258.2	259.5	255.2	249.8
G68.0	216.7	213.6	222.1	232.5	241.1	246.5	247.0	247.7	243.6	238.3
G69.0	203.9	201.4	209.0	219.6	228.3	233.8	234.1	235.6	230.9	226.1
G70.0	192.7	189.5	198.0	208.5	217.0	222.4	222.5	223.8	219.6	214.5
G71.0	181.0	178.4	186.7	197.1	205.9	211.3	211.3	212.7	208.6	203.4
G72.0	168.9	165.6	174.1	184.5	193.0	198.4	198.6	200.0	196.0	190.9
G73.0	157.4	154.7	163.0	173.3	181.9	187.4	187.4	188.9	185.0	179.8

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 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	146.5	143.3	151.5	161.8	170.3	175.7	175.9	177.3	173.5	168.4
G75.0	134.2	130.9	139.7	149.4	157.8	163.2	163.9	165.4	161.6	156.5
G76.0	123.0	120.4	128.4	138.4	146.8	152.2	152.4	154.5	150.2	145.8
G77.0	111.5	108.9	116.7	126.2	134.5	139.9	140.6	142.3	138.6	133.5
G78.0	100.6	97.9	105.7	115.4	123.7	129.0	130.0	131.5	128.0	122.9
G79.0	90.4	87.3	94.8	104.4	112.5	117.9	118.9	120.5	117.0	111.9
G80.0	78.8	76.3	83.6	92.9	100.9	106.3	107.5	109.1	105.6	100.6
G81.0	68.9	65.9	73.1	82.2	90.0	95.4	96.8	98.4	94.8	89.9
G82.0	58.9	56.4	63.2	72.0	79.7	85.2	86.6	88.3	84.7	79.7
G83.0	48.6	45.8	52.7	60.6	68.6	74.2	75.8	77.6	73.9	68.8
G84.0	39.1	36.8	43.0	51.0	58.3	63.8	65.6	67.4	63.8	58.7
G85.0	29.5	27.0	33.0	40.1	47.6	53.2	55.2	57.1	53.4	48.3
G86.0	21.0	18.7	23.9	31.0	37.7	43.4	46.0	47.9	43.7	39.0
G87.0	12.9	11.0	15.5	22.0	28.5	34.2	36.6	38.5	34.8	29.6
G88.0	5.1	3.7	6.8	12.4	18.4	24.0	27.1	29.0	24.8	19.8
G89.0	3.2	3.2	3.1	4.8	10.1	15.6	18.4	20.4	16.6	11.6
G90.0	3.3	3.3	3.3	3.2	3.3	7.3	9.9	11.7	7.8	4.1
G91.0	3.5	3.5	3.5	3.3	3.3	3.2	3.6	4.7	3.6	3.8
G92.0	3.7	3.7	3.6	3.5	3.4	3.4	3.7	3.7	3.8	4.0
G93.0	3.8	3.9	3.7	3.7	3.6	3.5	3.8	3.9	4.0	4.3
G94.0	4.0	4.0	4.0	3.9	3.7	3.6	4.0	4.1	4.2	4.4
G95.0	4.3	4.2	4.1	4.0	3.9	3.8	4.3	4.3	4.4	4.6
G96.0	4.4	4.4	4.3	4.2	4.2	4.0	4.4	4.4	4.6	4.8
G97.0	4.6	4.6	4.5	4.4	4.3	4.2	4.7	4.7	4.8	5.1
G98.0	4.8	4.8	4.7	4.6	4.5	4.3	4.9	4.9	5.0	5.3
G99.0	5.0	5.0	4.9	4.8	4.7	4.5	5.1	5.2	5.2	5.5
G100.0	5.2	5.2	5.1	5.0	4.9	4.7	5.3	5.3	5.4	5.7
G101.0	5.4	5.4	5.3	5.3	5.1	4.9	5.6	5.5	5.7	5.9
G102.0	5.7	5.6	5.5	5.5	5.3	5.1	5.8	5.8	5.9	6.2
G103.0	5.9	5.8	5.7	5.7	5.5	5.3	6.0	6.0	6.1	6.4
G104.0	6.1	6.1	5.9	5.9	5.7	5.6	6.3	6.2	6.4	6.7
G105.0	6.4	6.2	6.2	6.1	5.9	5.8	6.5	6.5	6.6	6.9
G106.0	6.6	6.5	6.4	6.4	6.2	5.9	6.8	6.7	6.8	7.2
G107.0	6.8	6.8	6.6	6.6	6.4	6.2	7.0	7.0	7.1	7.4
G108.0	7.0	6.9	6.8	6.8	6.6	6.4	7.2	7.2	7.3	7.7
G109.0	7.3	7.1	7.0	7.0	6.8	6.6	7.5	7.4	7.5	7.9
G110.0	7.5	7.3	7.3	7.2	7.1	6.8	7.8	7.6	7.8	8.1

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 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	7.7	7.5	7.5	7.5	7.3	7.0	8.0	7.8	8.0	8.3
G112.0	8.0	7.7	7.7	7.7	7.5	7.3	8.2	8.1	8.2	8.6
G113.0	8.2	7.9	7.9	7.8	7.7	7.4	8.4	8.3	8.4	8.8
G114.0	8.3	8.2	8.2	8.2	8.0	7.7	8.8	8.6	8.7	9.1
G115.0	8.6	8.3	8.4	8.3	8.1	7.8	9.0	8.7	9.0	9.2
G116.0	8.8	8.5	8.6	8.6	8.3	8.1	9.2	9.0	9.1	9.5
G117.0	9.0	8.7	8.8	8.8	8.5	8.3	9.4	9.2	9.4	9.7
G118.0	9.2	8.9	9.0	9.0	8.7	8.5	9.6	9.4	9.6	9.9
G119.0	9.4	9.1	9.2	9.2	8.9	8.6	9.8	9.6	9.7	10.2
G120.0	9.6	9.3	9.4	9.4	9.1	8.9	10.0	9.8	10.0	10.4
G121.0	9.9	9.5	9.6	9.6	9.3	9.0	10.3	10.0	10.2	10.6
G122.0	10.1	9.7	9.8	9.8	9.5	9.3	10.4	10.2	10.4	10.8
G123.0	10.3	9.9	10.0	10.0	9.6	9.4	10.7	10.4	10.6	11.0
G124.0	10.4	10.0	10.1	10.3	9.9	9.6	10.8	10.6	10.7	11.2
G125.0	10.6	10.2	10.3	10.4	10.1	9.8	11.0	10.8	11.0	11.4
G126.0	10.8	10.4	10.6	10.6	10.2	10.0	11.2	11.0	11.1	11.6
G127.0	11.0	10.6	10.7	10.8	10.4	10.1	11.3	11.1	11.3	11.8
G128.0	11.2	10.8	10.8	11.0	10.5	10.4	11.6	11.3	11.5	12.0
G129.0	11.3	11.0	11.0	11.1	10.8	10.5	11.7	11.5	11.7	12.2
G130.0	11.5	11.1	11.2	11.4	10.9	10.7	11.9	11.7	11.9	12.4
G131.0	11.7	11.3	11.4	11.5	11.1	10.9	12.1	11.9	12.1	12.6
G132.0	11.8	11.5	11.5	11.7	11.3	11.0	12.3	12.1	12.2	12.7
G133.0	12.0	11.7	11.7	11.8	11.4	11.2	12.5	12.3	12.4	12.8
G134.0	12.1	11.8	11.8	12.0	11.6	11.4	12.6	12.5	12.5	13.0
G135.0	12.3	12.1	11.9	12.1	11.7	11.5	12.8	12.6	12.7	13.2
G136.0	12.5	12.2	12.1	12.3	11.9	11.7	13.0	12.8	12.9	13.3
G137.0	12.6	12.3	12.2	12.4	12.1	11.9	13.2	12.9	13.0	13.5
G138.0	12.8	12.5	12.3	12.5	12.2	12.1	13.4	13.1	13.2	13.5
G139.0	12.9	12.7	12.4	12.7	12.4	12.3	13.4	13.2	13.3	13.7
G140.0	13.1	12.8	12.6	12.8	12.5	12.4	13.6	13.3	13.5	13.8
G141.0	13.2	13.0	12.8	12.9	12.7	12.6	13.7	13.5	13.6	14.0
G142.0	13.3	13.2	12.9	13.1	12.9	12.7	13.9	13.7	13.8	14.1
G143.0	13.4	13.3	13.1	13.2	12.9	12.9	14.0	13.8	13.9	14.2
G144.0	13.6	13.5	13.2	13.3	13.1	13.0	14.1	13.9	14.1	14.3
G145.0	13.7	13.6	13.3	13.5	13.3	13.2	14.2	14.1	14.2	14.4
G146.0	13.8	13.8	13.5	13.6	13.4	13.4	14.3	14.2	14.3	14.6
G147.0	13.9	13.9	13.6	13.6	13.6	13.5	14.5	14.3	14.5	14.6

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 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	14.1	14.0	13.8	13.7	13.7	13.7	14.6	14.5	14.6	14.8
G149.0	14.2	14.2	13.9	13.9	13.9	13.8	14.6	14.6	14.8	14.9
G150.0	14.3	14.3	14.0	14.0	14.0	13.9	14.8	14.8	14.8	15.0
G151.0	14.5	14.5	14.2	14.2	14.1	14.1	14.8	14.9	15.0	15.1
G152.0	14.6	14.5	14.4	14.2	14.3	14.3	14.9	15.0	15.1	15.2
G153.0	14.6	14.6	14.6	14.4	14.4	14.4	15.0	15.2	15.1	15.3
G154.0	14.7	14.8	14.7	14.5	14.5	14.5	15.1	15.3	15.2	15.4
G155.0	14.9	14.9	14.9	14.6	14.7	14.7	15.3	15.4	15.3	15.5
G156.0	15.0	15.0	15.0	14.7	14.8	14.8	15.3	15.5	15.5	15.6
G157.0	15.2	15.1	15.1	14.8	14.9	15.0	15.4	15.6	15.6	15.7
G158.0	15.3	15.2	15.3	14.9	15.0	15.1	15.6	15.7	15.6	15.8
G159.0	15.4	15.4	15.4	15.1	15.2	15.2	15.7	15.8	15.8	15.9
G160.0	15.5	15.5	15.6	15.2	15.2	15.3	15.8	15.9	15.9	16.0
G161.0	15.6	15.6	15.6	15.3	15.4	15.5	15.9	16.0	15.9	16.2
G162.0	15.6	15.7	15.8	15.4	15.5	15.6	16.0	16.1	16.0	16.4
G163.0	15.8	15.8	15.9	15.6	15.6	15.7	16.1	16.2	16.1	16.4
G164.0	15.9	15.9	16.0	15.7	15.7	15.9	16.3	16.3	16.3	16.6
G165.0	16.1	16.0	16.2	15.9	15.9	16.0	16.3	16.4	16.3	16.6
G166.0	16.2	16.1	16.3	16.0	16.0	16.1	16.5	16.5	16.5	16.8
G167.0	16.3	16.2	16.5	16.1	16.1	16.2	16.6	16.6	16.6	16.9
G168.0	16.5	16.4	16.5	16.2	16.3	16.3	16.7	16.8	16.7	17.0
G169.0	16.6	16.4	16.6	16.4	16.4	16.4	16.9	16.9	16.8	17.2
G170.0	16.8	16.6	16.8	16.6	16.5	16.5	17.0	17.0	16.9	17.4
G171.0	17.0	16.8	16.9	16.8	16.7	16.7	17.1	17.1	17.0	17.5
G172.0	17.1	16.9	17.0	16.9	16.8	16.8	17.3	17.2	17.2	17.6
G173.0	17.3	17.0	17.1	17.2	16.9	16.9	17.3	17.3	17.3	17.7
G174.0	17.4	17.2	17.3	17.3	17.1	17.1	17.5	17.3	17.3	17.7
G175.0	17.5	17.3	17.4	17.5	17.3	17.2	17.5	17.4	17.3	17.8
G176.0	17.6	17.3	17.4	17.6	17.3	17.3	17.5	17.4	17.3	17.9
G177.0	17.7	17.4	17.5	17.7	17.4	17.3	17.6	17.5	17.4	17.9
G178.0	17.7	17.4	17.5	17.8	17.5	17.4	17.6	17.5	17.4	18.0
G179.0	17.7	17.5	17.6	17.9	17.5	17.4	17.6	17.5	17.4	18.0
G180.0	17.8	17.4	17.6	18.0	17.4	17.4	17.7	17.5	17.4	18.0

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	729.8	729.8	730.2							
G1.0	729.3	730.0	729.8							
G2.0	729.0	729.2	729.2							
G3.0	728.0	728.2	727.8							
G4.0	727.0	727.1	727.0							
G5.0	726.0	725.5	725.6							
G6.0	723.9	723.7	723.9							
G7.0	722.2	721.5	722.1							
G8.0	720.0	719.4	719.7							
G9.0	717.5	716.8	717.3							
G10.0	715.5	714.8	714.4							
G11.0	712.3	711.1	711.6							
G12.0	709.7	708.5	708.3							
G13.0	706.0	704.9	705.0							
G14.0	702.6	700.7	701.1							
G15.0	698.7	696.9	697.3							
G16.0	694.8	692.5	692.7							
G17.0	690.4	688.5	688.6							
G18.0	686.3	683.9	683.8							
G19.0	681.2	678.8	678.9							
G20.0	676.4	673.7	673.8							
G21.0	671.5	669.0	668.5							
G22.0	665.8	662.5	662.3							
G23.0	660.3	657.5	656.7							
G24.0	654.0	650.7	650.3							
G25.0	648.3	645.1	644.1							
G26.0	642.0	638.5	637.6							
G27.0	635.4	631.8	630.7							
G28.0	628.6	624.8	623.8							
G29.0	622.5	618.3	617.4							
G30.0	614.4	610.3	609.1							
G31.0	607.8	602.8	602.3							
G32.0	599.4	595.0	593.6							
G33.0	592.3	587.1	586.4							
G34.0	584.3	579.7	578.1							
G35.0	576.4	571.2	569.6							
G36.0	567.8	562.8	561.7							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	560.1	554.1	553.1							
G38.0	550.5	545.2	543.9							
G39.0	542.5	536.6	534.9							
G40.0	532.4	526.8	525.3							
G41.0	524.1	517.8	516.0							
G42.0	514.9	508.5	506.9							
G43.0	504.9	498.5	496.7							
G44.0	495.5	489.2	487.0							
G45.0	485.3	479.2	477.5							
G46.0	475.4	468.9	466.4							
G47.0	466.0	459.4	456.8							
G48.0	455.6	447.9	446.0							
G49.0	445.1	438.0	435.5							
G50.0	435.1	427.8	425.4							
G51.0	424.0	416.7	413.5							
G52.0	413.5	406.0	403.3							
G53.0	402.1	394.6	391.6							
G54.0	391.4	383.6	380.7							
G55.0	380.7	373.1	369.7							
G56.0	369.4	361.5	357.5							
G57.0	358.7	350.4	346.5							
G58.0	347.5	339.1	335.2							
G59.0	335.7	327.3	322.9							
G60.0	324.2	315.8	311.3							
G61.0	312.2	303.6	299.1							
G62.0	301.0	292.6	288.0							
G63.0	289.6	280.9	276.2							
G64.0	277.5	268.8	264.0							
G65.0	265.9	257.0	252.1							
G66.0	254.7	246.0	241.0							
G67.0	242.6	233.7	228.0							
G68.0	230.9	222.1	216.7							
G69.0	218.8	209.2	203.9							
G70.0	207.2	198.2	192.7							
G71.0	196.2	187.1	181.0							
G72.0	183.6	174.7	168.9							
G73.0	172.6	163.6	157.4							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	161.2	152.3	146.5							
G75.0	149.4	140.4	134.2							
G76.0	138.6	129.3	123.0							
G77.0	126.5	117.6	111.5							
G78.0	115.8	107.2	100.6							
G79.0	104.8	96.3	90.4							
G80.0	93.5	85.2	78.8							
G81.0	82.8	74.7	68.9							
G82.0	72.8	64.9	58.9							
G83.0	62.0	54.3	48.6							
G84.0	51.9	44.5	39.1							
G85.0	41.6	34.5	29.5							
G86.0	32.0	25.7	21.0							
G87.0	23.3	16.8	12.9							
G88.0	13.9	8.0	5.1							
G89.0	5.9	3.5	3.2							
G90.0	3.6	3.8	3.3							
G91.0	3.8	3.9	3.5							
G92.0	3.9	4.2	3.7							
G93.0	4.2	4.3	3.8							
G94.0	4.3	4.6	4.0							
G95.0	4.6	4.8	4.3							
G96.0	4.8	5.1	4.4							
G97.0	5.0	5.3	4.6							
G98.0	5.3	5.5	4.8							
G99.0	5.5	5.7	5.0							
G100.0	5.7	5.9	5.2							
G101.0	5.9	6.2	5.4							
G102.0	6.2	6.4	5.7							
G103.0	6.4	6.7	5.9							
G104.0	6.6	6.9	6.1							
G105.0	6.9	7.1	6.4							
G106.0	7.1	7.3	6.6							
G107.0	7.4	7.5	6.8							
G108.0	7.6	7.8	7.0							
G109.0	7.8	8.0	7.3							
G110.0	8.0	8.2	7.5							

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	8.3	8.4	7.7							
G112.0	8.5	8.6	8.0							
G113.0	8.7	8.9	8.2							
G114.0	9.0	9.1	8.3							
G115.0	9.2	9.4	8.6							
G116.0	9.4	9.5	8.8							
G117.0	9.6	9.7	9.0							
G118.0	9.9	9.9	9.2							
G119.0	10.0	10.1	9.4							
G120.0	10.3	10.3	9.6							
G121.0	10.4	10.5	9.9							
G122.0	10.7	10.7	10.1							
G123.0	10.8	10.9	10.3							
G124.0	11.0	11.1	10.4							
G125.0	11.2	11.4	10.6							
G126.0	11.4	11.5	10.8							
G127.0	11.5	11.7	11.0							
G128.0	11.7	11.9	11.2							
G129.0	11.8	12.1	11.3							
G130.0	12.1	12.3	11.5							
G131.0	12.2	12.5	11.7							
G132.0	12.4	12.6	11.8							
G133.0	12.5	12.8	12.0							
G134.0	12.6	13.0	12.1							
G135.0	12.8	13.1	12.3							
G136.0	13.0	13.3	12.5							
G137.0	13.1	13.4	12.6							
G138.0	13.3	13.6	12.8							
G139.0	13.4	13.8	12.9							
G140.0	13.6	13.9	13.1							
G141.0	13.8	14.0	13.2							
G142.0	13.9	14.1	13.3							
G143.0	14.1	14.2	13.4							
G144.0	14.2	14.4	13.6							
G145.0	14.3	14.5	13.7							
G146.0	14.5	14.7	13.8							
G147.0	14.6	14.7	13.9							

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	14.7	14.9	14.1							
G149.0	14.8	15.0	14.2							
G150.0	15.0	15.2	14.3							
G151.0	15.1	15.2	14.5							
G152.0	15.2	15.3	14.6							
G153.0	15.4	15.4	14.6							
G154.0	15.4	15.6	14.7							
G155.0	15.5	15.7	14.9							
G156.0	15.6	15.8	15.0							
G157.0	15.8	15.9	15.2							
G158.0	15.8	16.0	15.3							
G159.0	16.0	16.1	15.4							
G160.0	16.1	16.2	15.5							
G161.0	16.2	16.3	15.6							
G162.0	16.3	16.4	15.6							
G163.0	16.5	16.5	15.8							
G164.0	16.5	16.6	15.9							
G165.0	16.6	16.7	16.1							
G166.0	16.7	16.8	16.2							
G167.0	16.8	16.9	16.3							
G168.0	16.9	16.9	16.5							
G169.0	17.0	17.0	16.6							
G170.0	17.1	17.1	16.8							
G171.0	17.2	17.2	17.0							
G172.0	17.4	17.3	17.1							
G173.0	17.4	17.4	17.3							
G174.0	17.5	17.4	17.4							
G175.0	17.5	17.4	17.5							
G176.0	17.5	17.5	17.6							
G177.0	17.5	17.5	17.7							
G178.0	17.5	17.5	17.7							
G179.0	17.5	17.5	17.7							
G180.0	17.5	17.5	17.8							

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: