Report No.: 202601201507 Test Time: 2026-01-20 15:08

Luminaire Property

Luminaire Manufacturer:
Luminaire Description: ASD-LPR-12D24SM-RGBIC-WH-5000K
Voltage: 121.3 V Current: 0.327 A
Power: 23.35 W Power Factor: 0.589

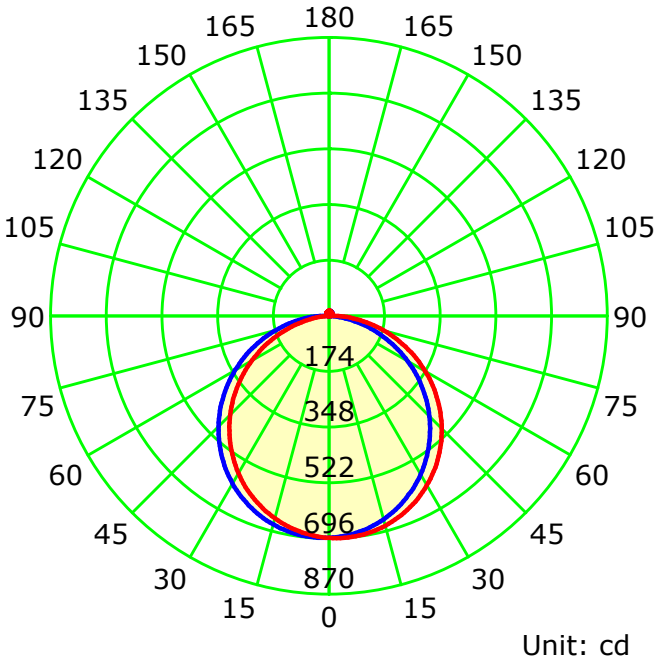
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 2086.3 lm
Measurement Flux: 2086.3 lm Efficiency: 100%
Downward Ratio: 97% Upward Ratio: 3%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.0, 163.7, 163.9, 163.9
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.7, 113.8, 113.7, 113.7
Luminaire Efficacy Rating (LER): 89.40 Central Intensity: 693.74 cd
Max. Intensity: 696.53 cd Pos of Max. Intensity: H150 V4
S/MH(C0/C180): 1.26 S/MH(C90/C270): 1.26

Picture Of Luminaire



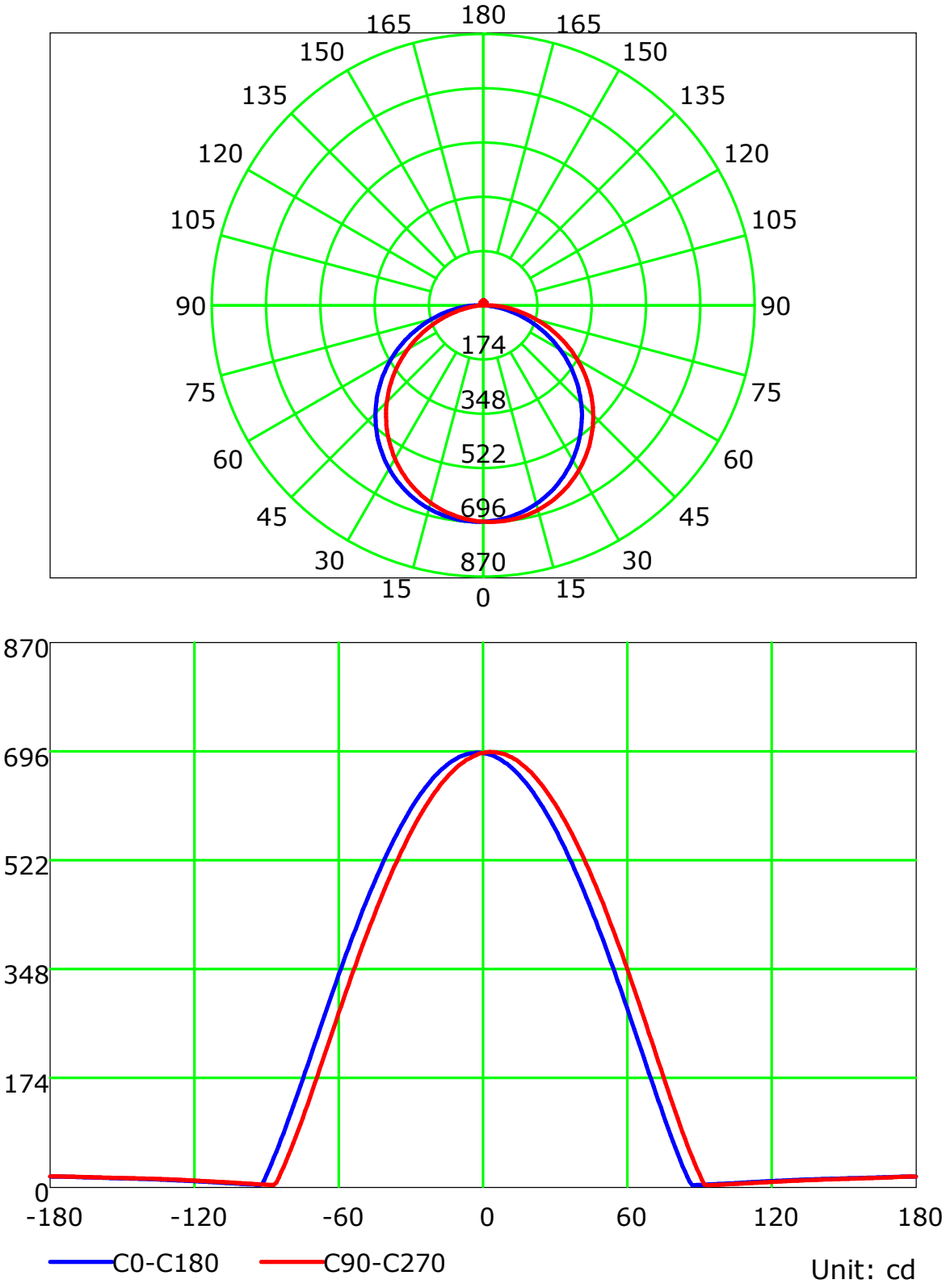
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 113.7°
C0-C180 C90-C270

C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 8.432 m
Temperature: Humidity:
Operator: OQC1 Inspector:

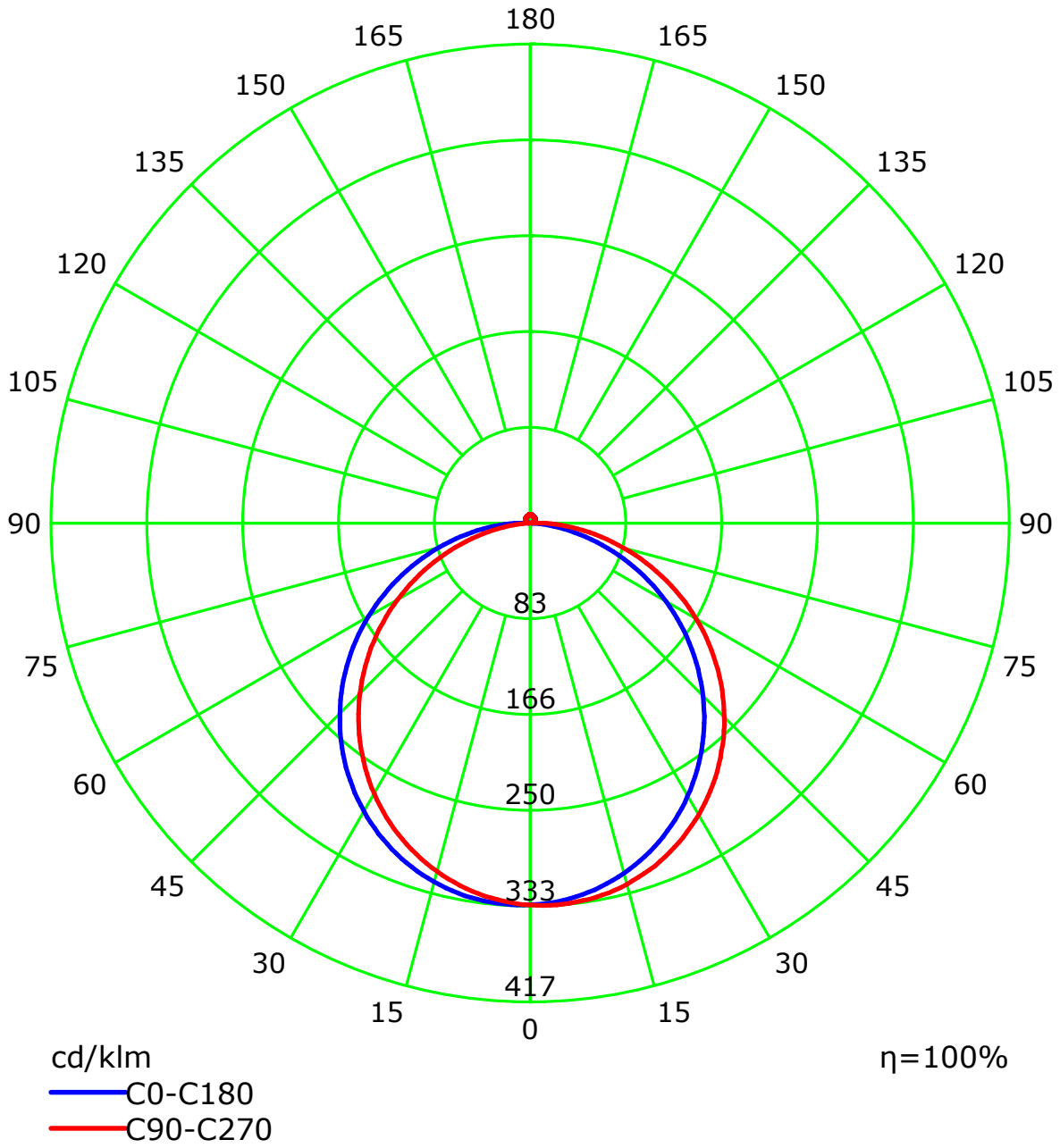
Luminous Intensity Distribution Curve



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

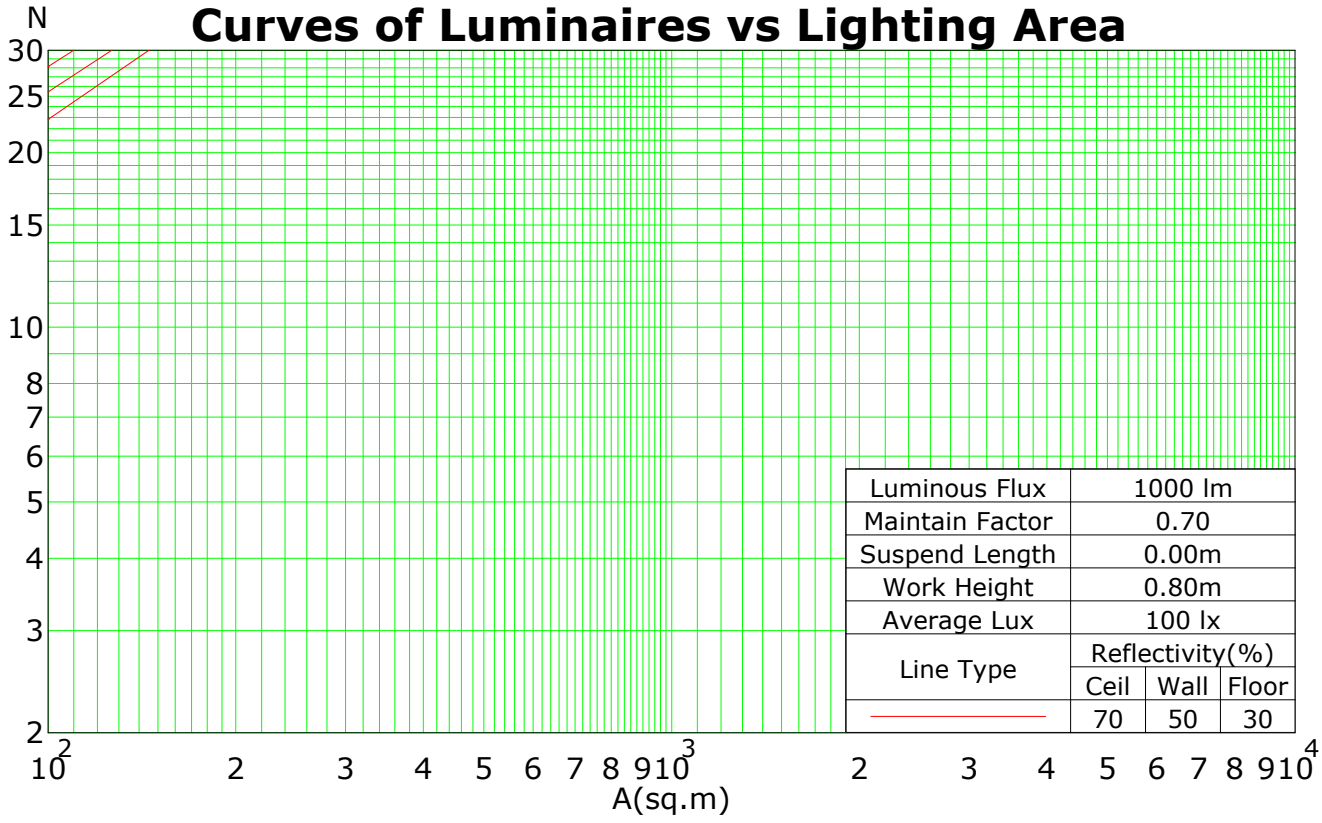
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

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	100	100	100	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	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	33	28	40	33	28	39	32	28	38	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

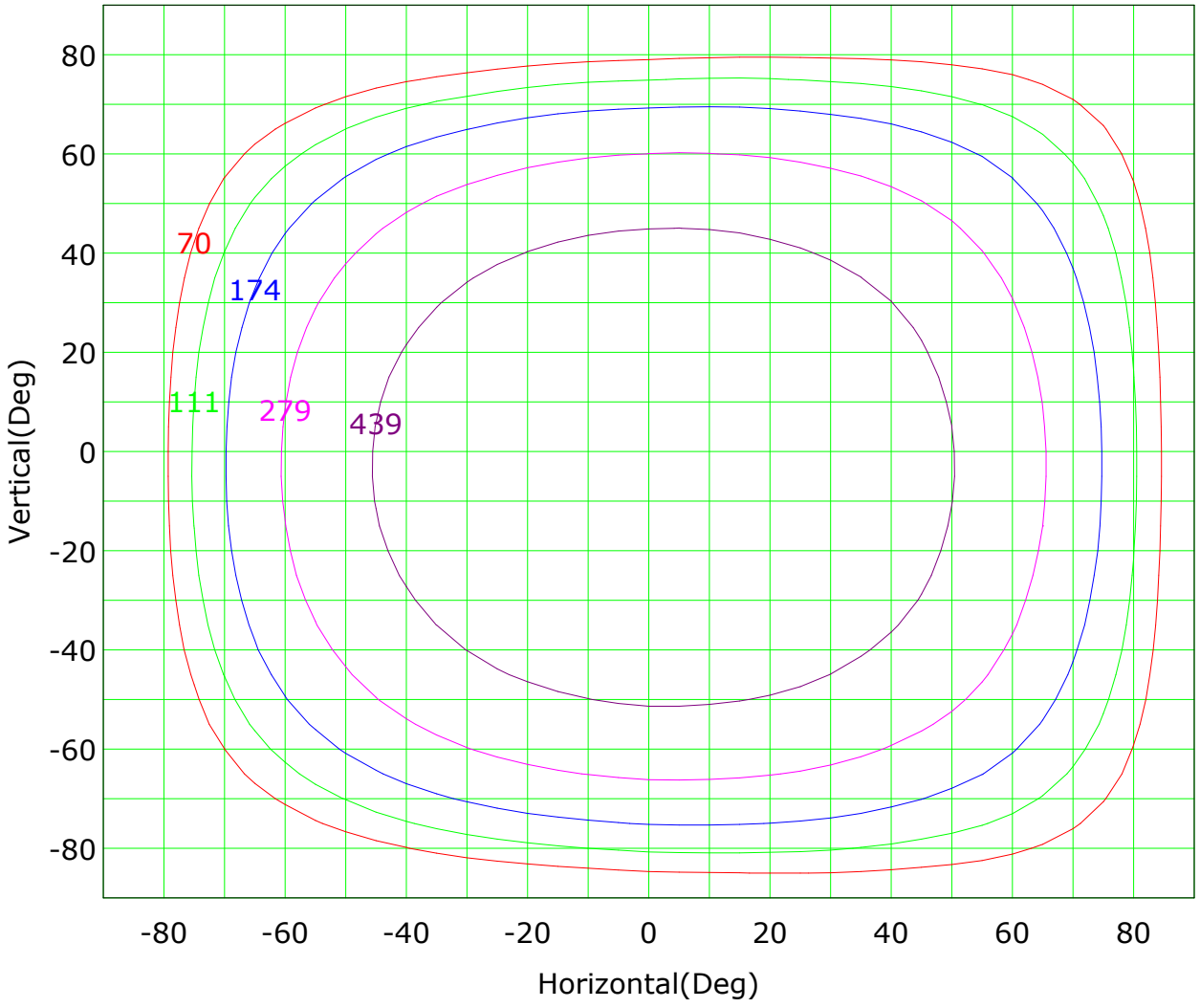
Curves of Luminaires vs Lighting Area



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)



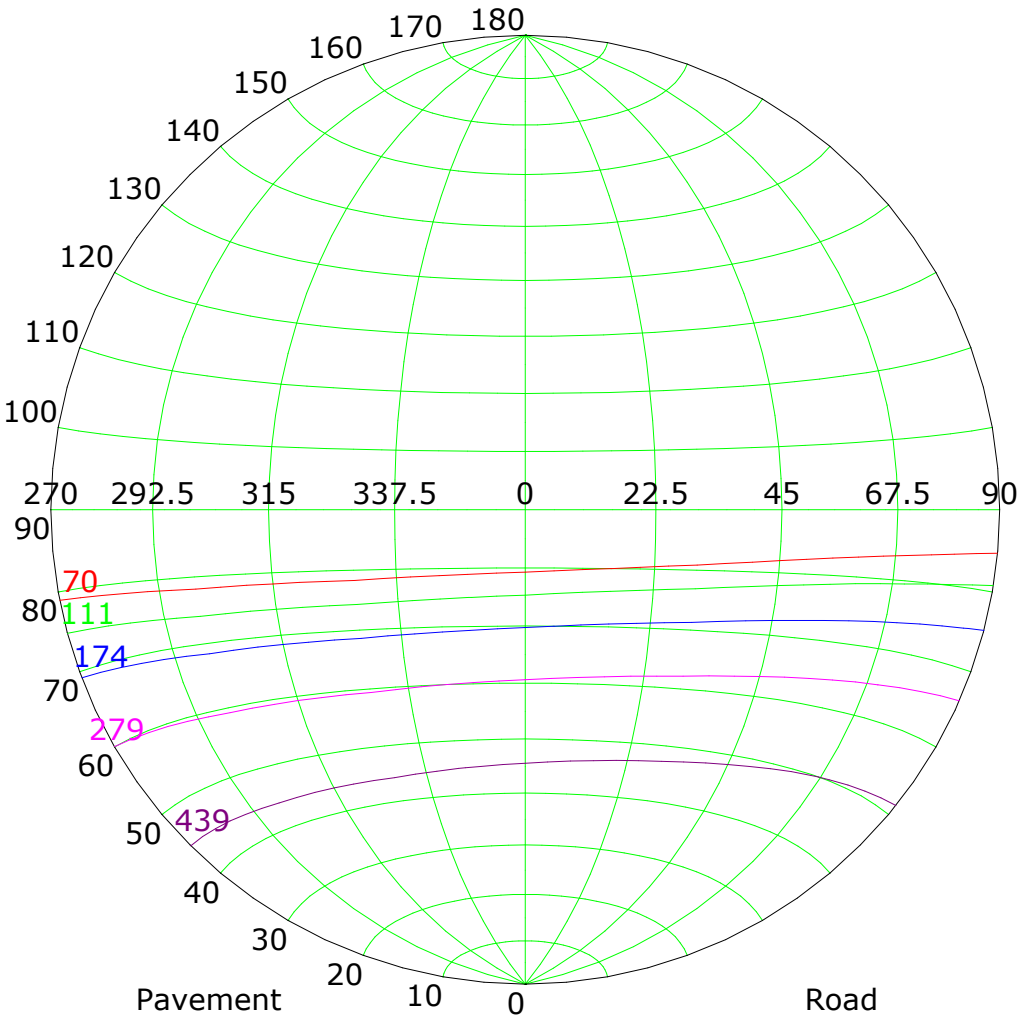
Imax (100%): 697 cd

(10%): 70 cd	(16%): 111 cd
(25%): 174 cd	(40%): 279 cd
(63%): 439 cd	(100%): 697 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)



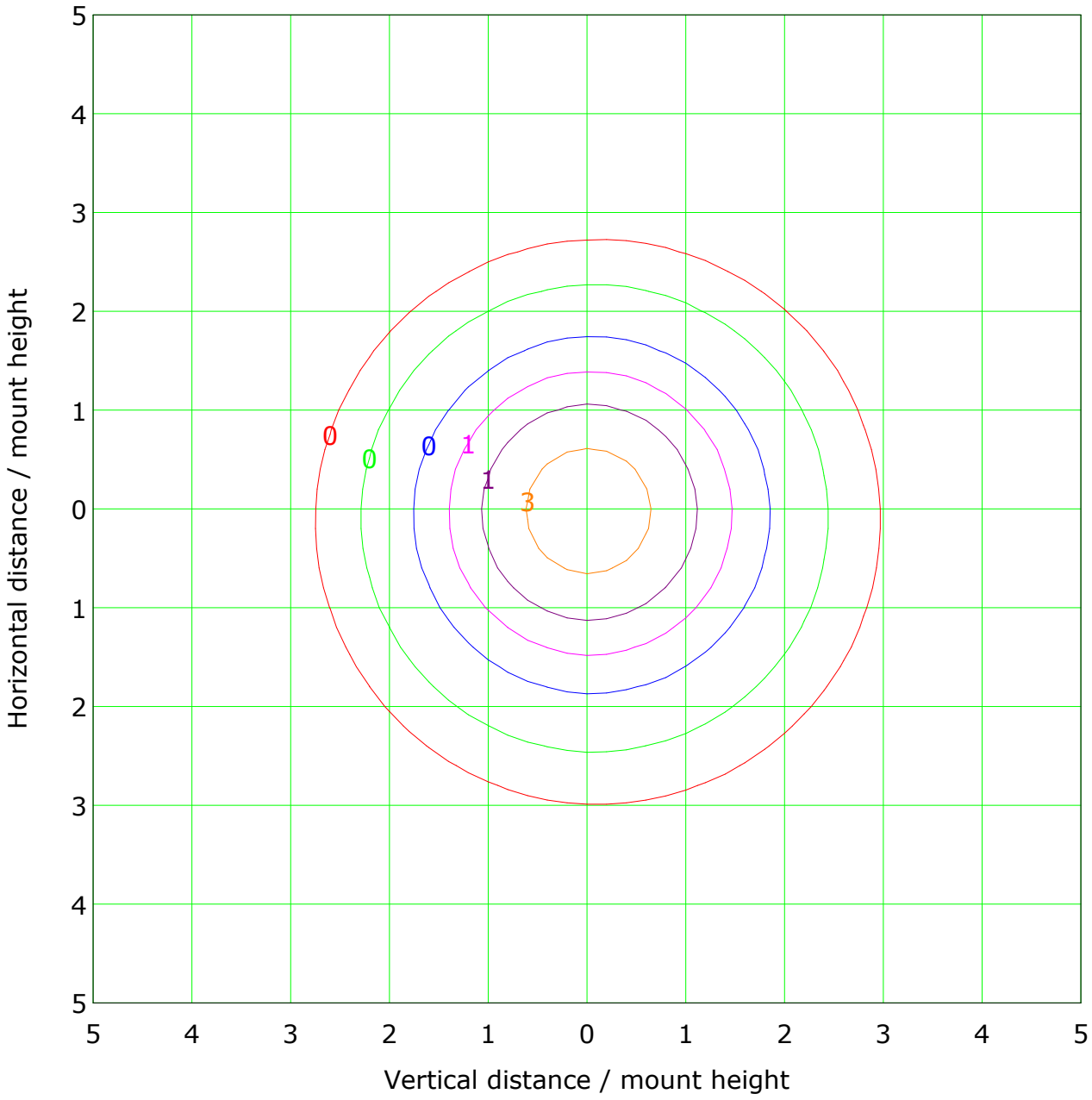
Imax (100%): 697 cd

(10%): 70 cd	(16%): 111 cd
(25%): 174 cd	(40%): 279 cd
(63%): 439 cd	(100%): 697 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



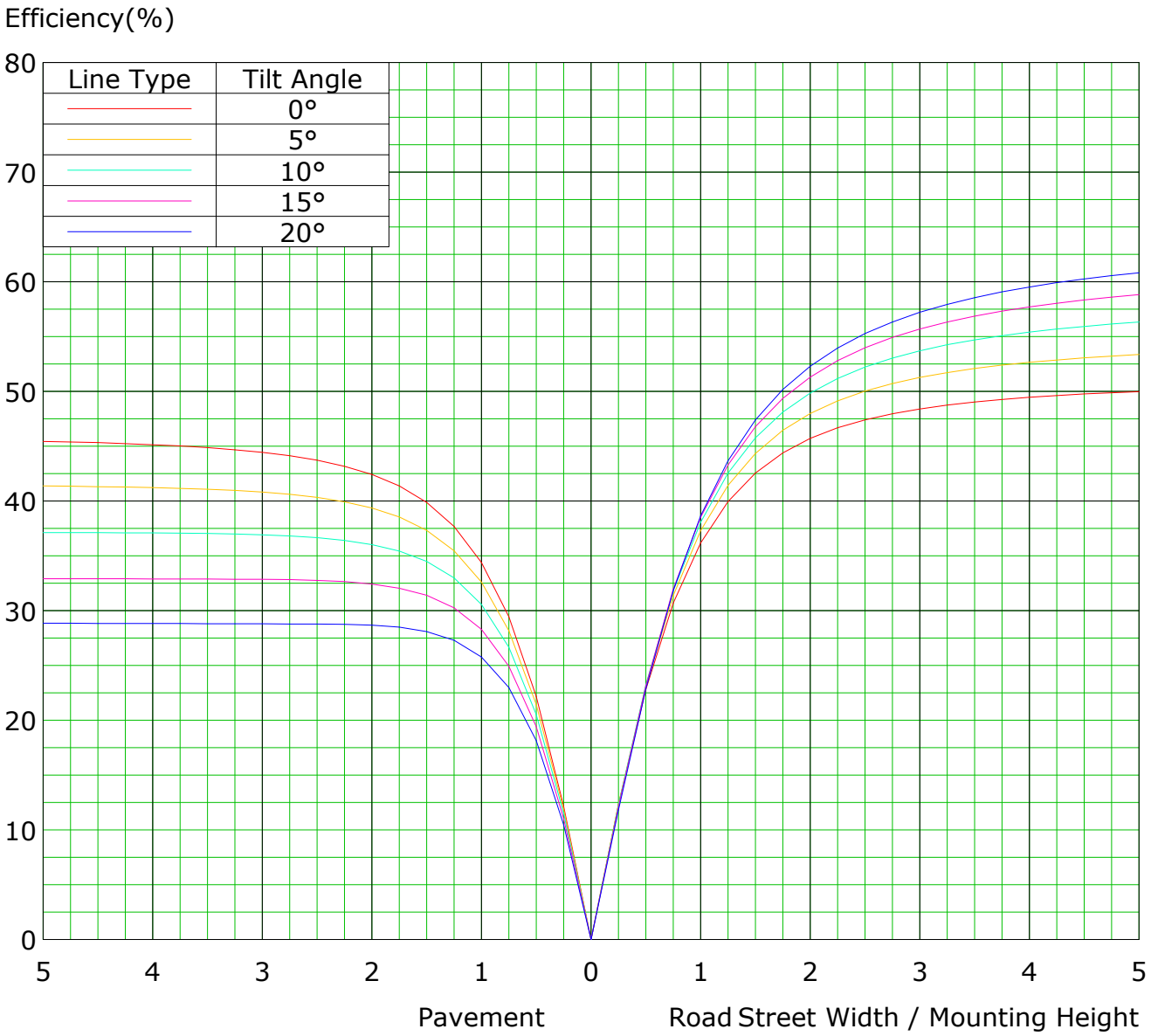
Mounting Height: 10.0m Max Lux(100%): 6.9 lx

(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.7 lx
(20%): 1.4 lx	(50%): 3.5 lx
(100%): 6.9 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

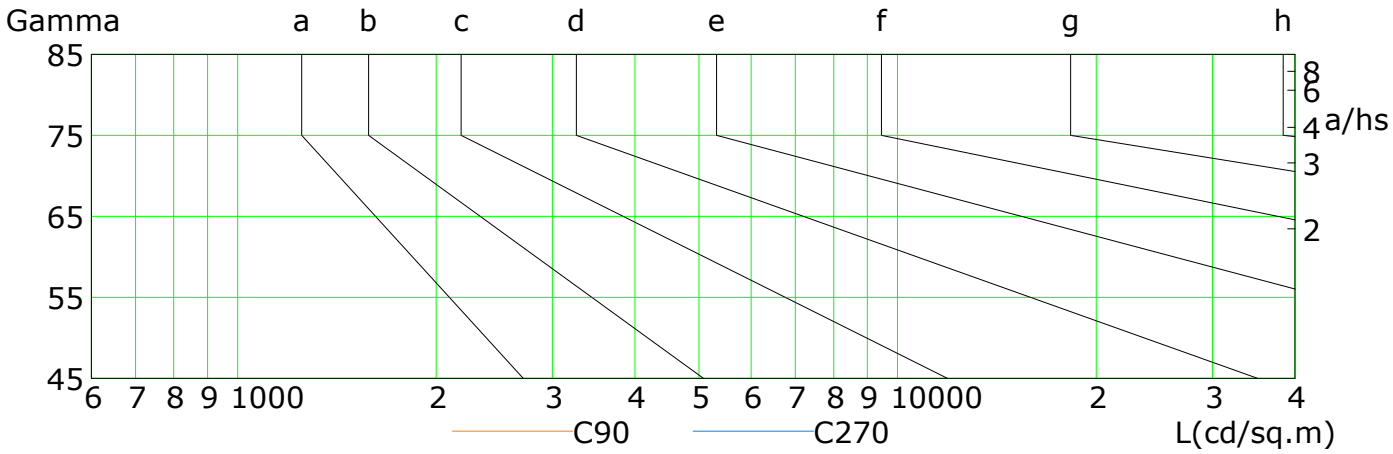


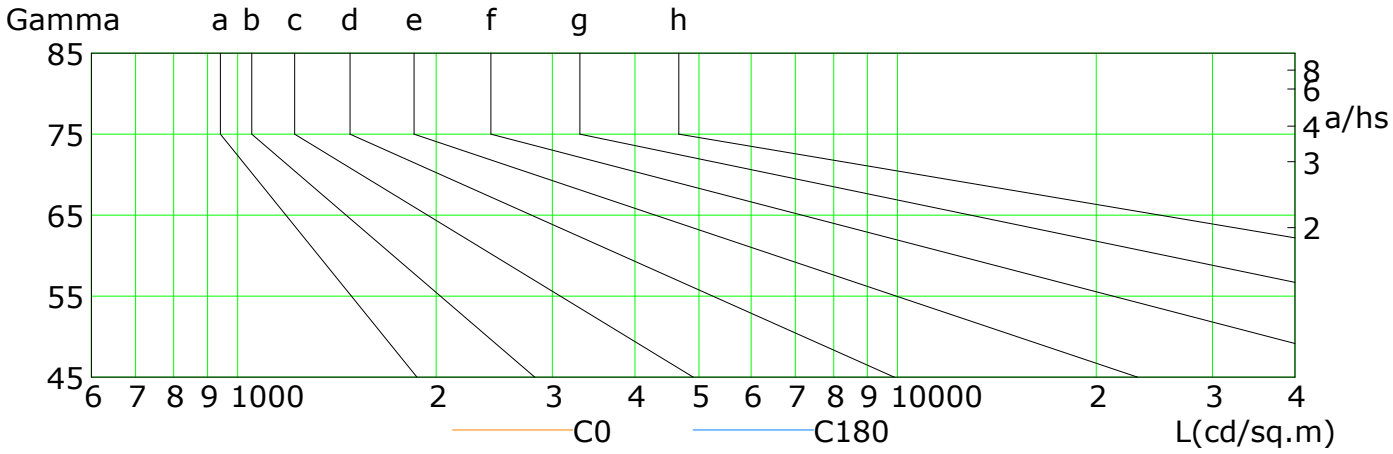
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

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



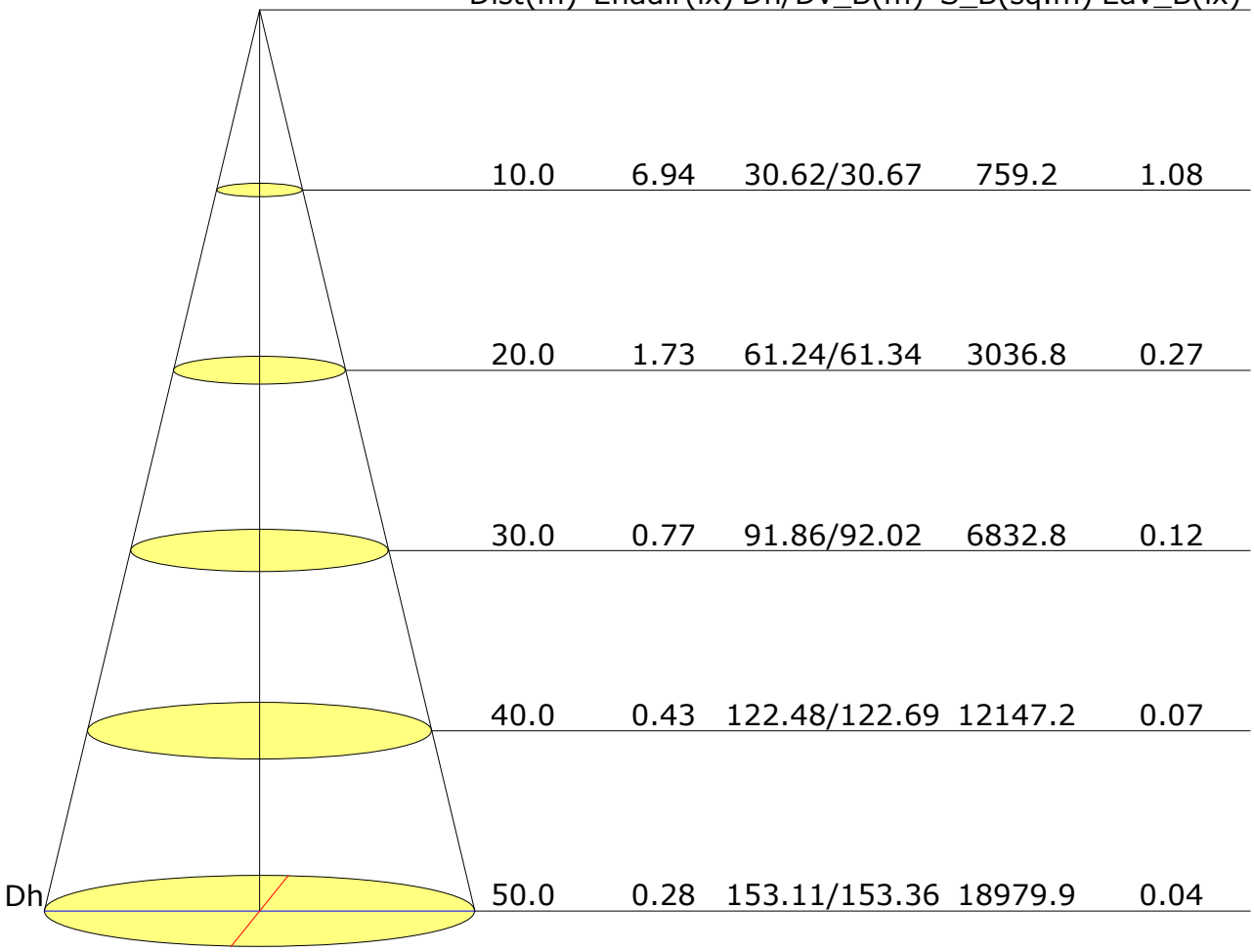


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	444	394	341	285	228	171	115	62	16
C90	499	453	402	349	293	235	177	120	67
C180	489	443	393	340	285	229	172	117	66
C270	437	387	335	279	222	165	110	59	14

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



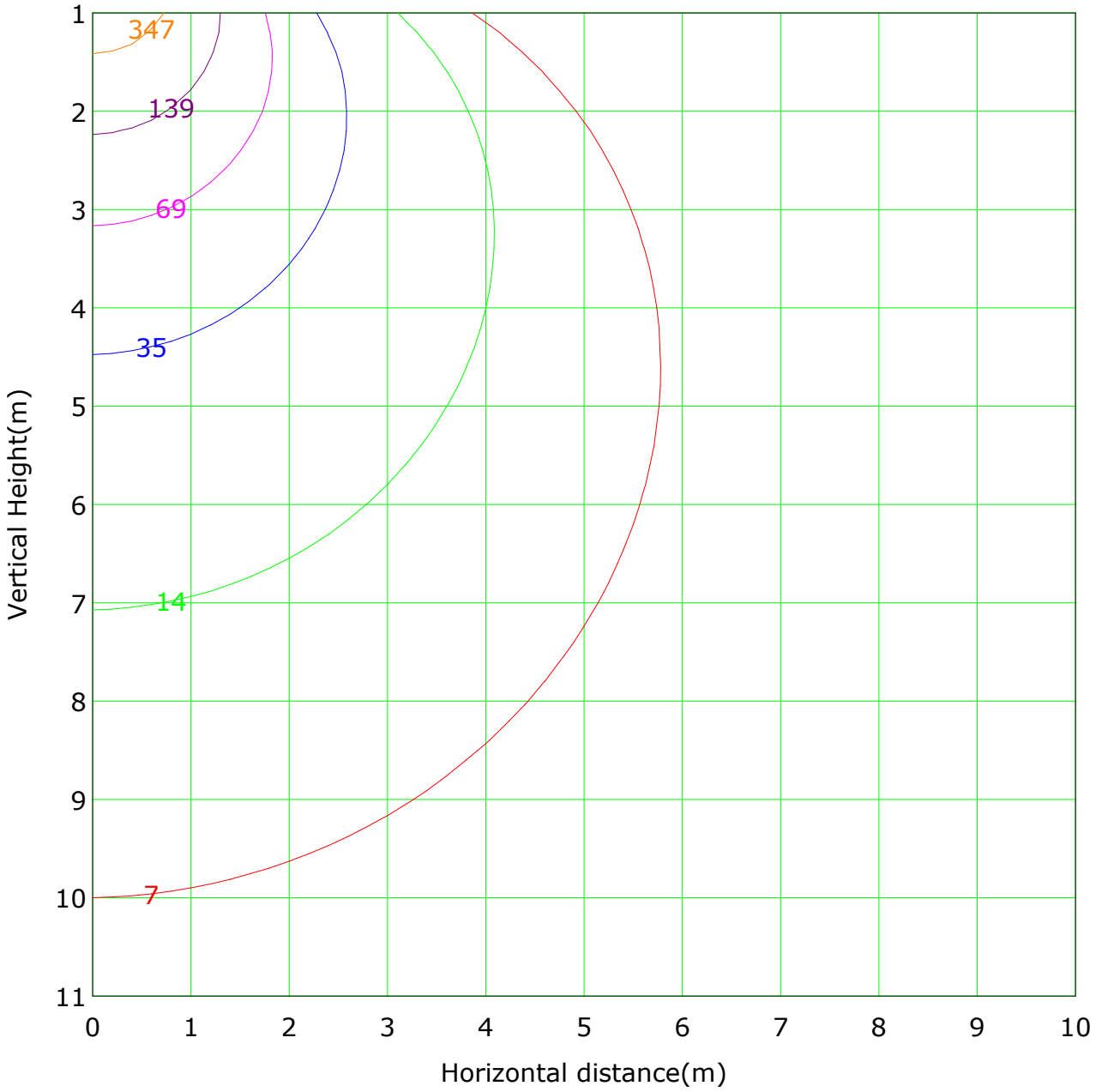
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
10.0	6.94	30.62/30.67	759.2	1.08
20.0	1.73	61.24/61.34	3036.8	0.27
30.0	0.77	91.86/92.02	6832.8	0.12
40.0	0.43	122.48/122.69	12147.2	0.07
50.0	0.28	153.11/153.36	18979.9	0.04

Beam Angle(B): H113.7 V113.8 Field Angle(F): H164.0 V163.7

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:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 693.7 lx

(1%): 6.9 lx
(2%): 13.9 lx
(5%): 34.7 lx
(10%): 69.4 lx
(20%): 138.7 lx
(50%): 346.9 lx
(100%): 693.7 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

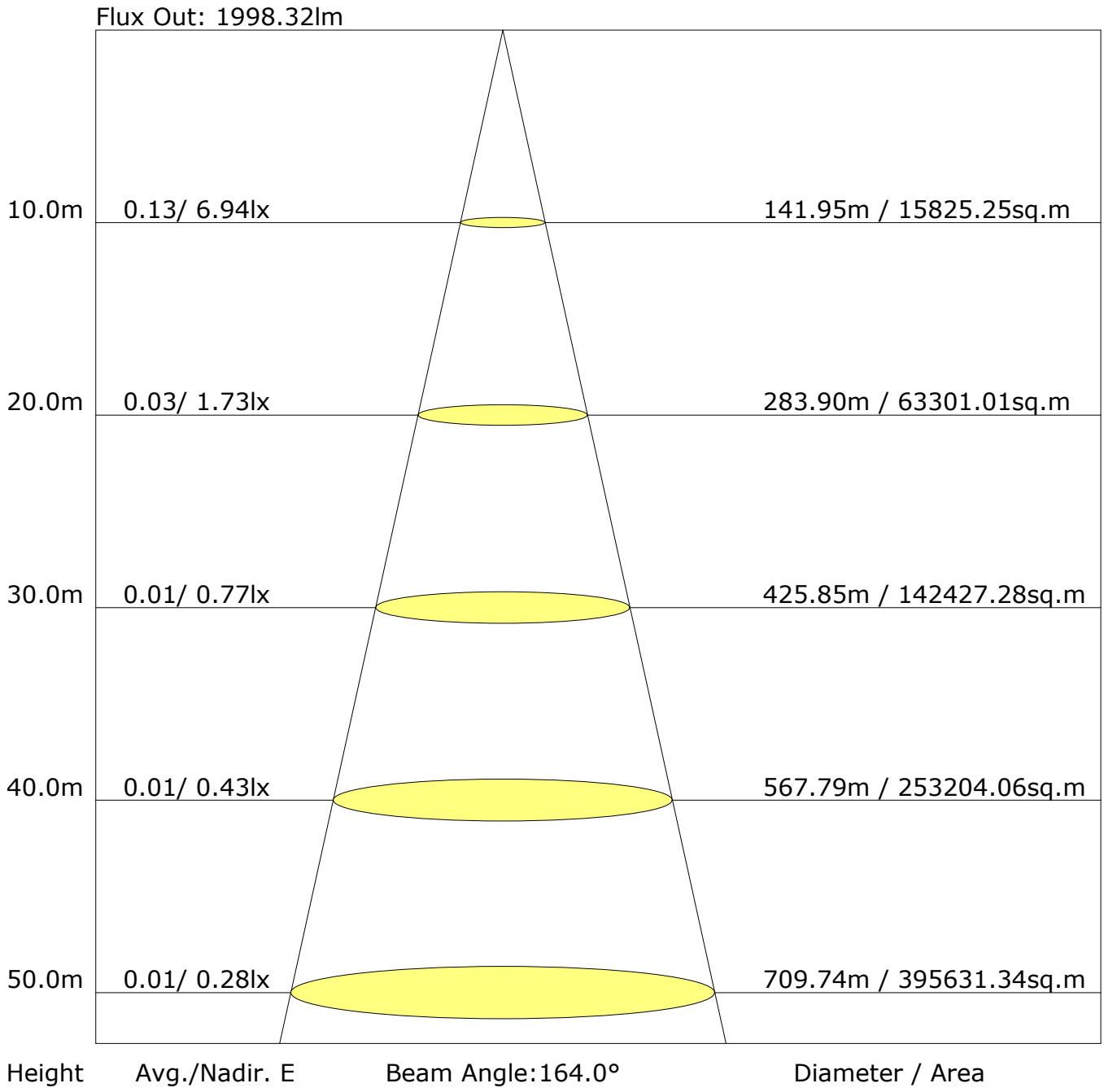
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	2.8	1.5
-80	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.3	1.4	1.4	1.4	1.3	1.2	1.0	0.8	0.7	0.4	0.2	0.0	16.5	15.1
-70	0.3	0.8	1.4	1.9	2.4	2.9	3.2	3.5	3.7	3.7	3.6	3.4	3.1	2.7	2.2	1.7	1.1	0.6	0.2	42.4	40.9
-60	0.5	1.4	2.5	3.5	4.5	5.3	6.0	6.5	6.8	6.9	6.7	6.3	5.8	5.0	4.1	3.1	2.0	1.0	0.4	77.8	76.4
-50	0.6	2.0	3.7	5.3	6.8	8.1	9.2	10.0	10.4	10.5	10.3	9.7	8.9	7.7	6.2	4.6	2.9	1.3	0.6	118.4	116.9
-40	0.7	2.6	4.8	7.1	9.1	11.0	12.4	13.5	14.1	14.2	13.9	13.2	11.9	10.3	8.4	6.2	3.9	1.7	0.7	158.8	157.3
-30	0.7	3.1	5.8	8.6	11.1	13.4	15.2	16.5	17.3	17.5	17.1	16.1	14.6	12.6	10.2	7.5	4.7	2.0	0.7	194.0	192.4
-20	0.7	3.4	6.5	9.7	12.6	15.1	17.2	18.7	19.6	19.8	19.4	18.3	16.6	14.3	11.5	8.4	5.2	2.1	0.7	219.1	217.5
-10	0.7	3.4	6.8	10.2	13.3	16.0	18.2	19.8	20.8	21.0	20.5	19.3	17.5	15.1	12.2	8.9	5.4	2.1	0.7	231.1	229.5
0	0.6	3.3	6.6	10.0	13.1	15.8	18.0	19.7	20.6	20.8	20.3	19.2	17.3	14.9	12.0	8.7	5.2	2.0	0.7	228.2	226.7
10	0.5	3.0	6.1	9.2	12.1	14.7	16.7	18.2	19.1	19.3	18.9	17.8	16.0	13.8	11.0	7.9	4.7	1.7	0.7	210.7	209.1
20	0.4	2.4	5.1	7.8	10.4	12.6	14.4	15.8	16.5	16.7	16.3	15.3	13.8	11.8	9.4	6.7	3.9	1.3	0.6	181.0	179.4
30	0.3	1.9	4.0	6.2	8.2	10.0	11.5	12.5	13.2	13.3	13.0	12.2	10.9	9.3	7.4	5.2	3.0	1.0	0.6	143.1	141.4
40	0.2	1.2	2.8	4.4	5.8	7.2	8.2	9.0	9.5	9.6	9.3	8.7	7.8	6.6	5.2	3.6	2.0	0.6	0.3	101.8	100.1
50	0.1	0.7	1.6	2.6	3.6	4.4	5.1	5.6	5.9	6.0	5.8	5.4	4.8	4.1	3.2	2.2	1.2	0.3	0.1	62.6	61.0
60	0.0	0.3	0.8	1.3	1.8	2.2	2.5	2.8	2.9	3.0	2.9	2.7	2.4	2.0	1.5	1.0	0.5	0.1	0.0	30.7	28.9
70	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	1.0	0.9	0.9	0.8	0.6	0.5	0.3	0.1	0.0	0.0	9.5	7.3
80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
90	6.6	30.1	59.3	88.9	116.6	140.8	160.5	174.7	182.9	185.0	180.6	170.0	153.6	132.0	106.0	76.9	46.5	18.1		2029	
Flux(T)	0.0	24.6	58.1	88.4	116.3	140.6	160.3	174.6	182.9	184.8	180.5	169.8	153.4	131.7	105.6	76.1	44.6	9.1			2001
Flux(E)	0.0	24.6	58.1	88.4	116.3	140.6	160.3	174.6	182.9	184.8	180.5	169.8	153.4	131.7	105.6	76.1	44.6	9.1			

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:

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

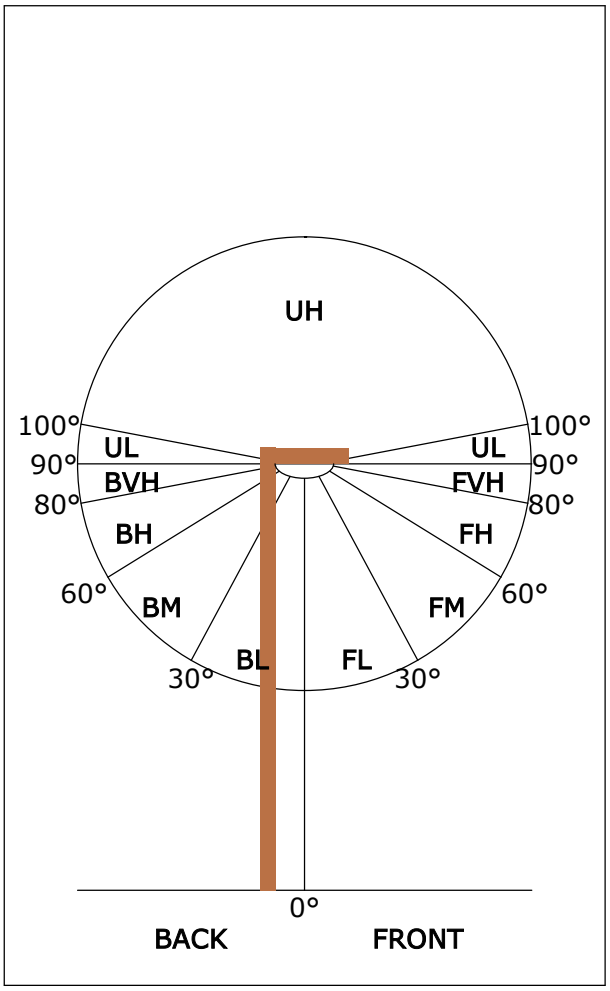
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-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 2086lm (8log(F/F0) = 2.6).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



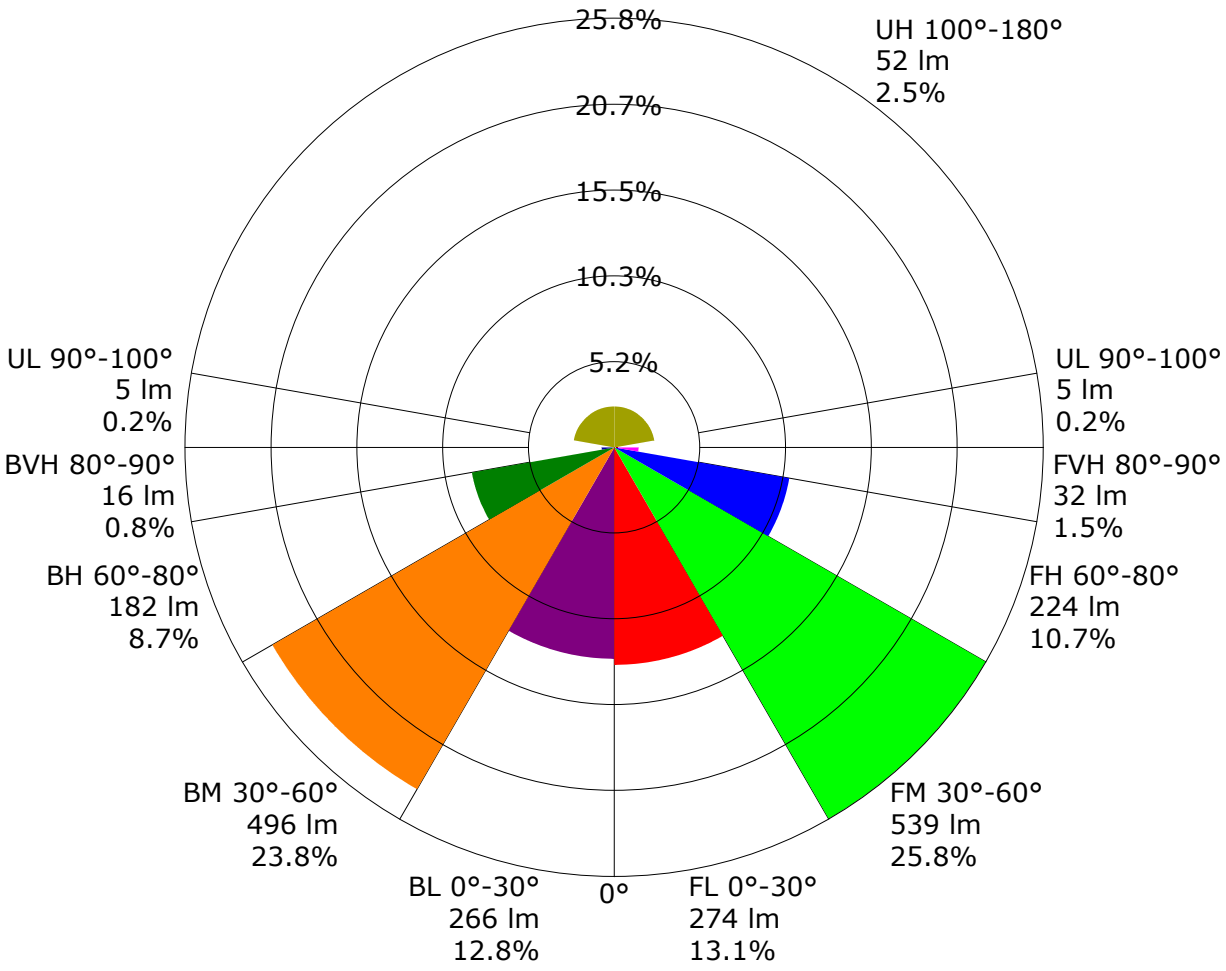
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1069	51.2
FL (0°-30°)	274	13.1
FM (30°-60°)	539	25.8
FH (60°-80°)	224	10.7
FVH (80°-90°)	32	1.5
BACK LIGHT	961	46.0
BL (0°-30°)	266	12.8
BM (30°-60°)	496	23.8
BH (60°-80°)	182	8.7
BVH (80°-90°)	16	0.8
UP LIGHT	57	2.7
UL (90°-100°)	5	0.2
UH (100°-180°)	52	2.5
TRAPPED LIGHT	NA	NA

BUG(**B**acklight,**U**plight,**G**lare) 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



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		0.41	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		0.40	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	0.21
	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	0.23	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: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	0.24
	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	0.18	0.20	0.20	0.21	0.22	0.22	0.23	0.23	0.23
	0.30		0.12	0.13	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	0.21	0.22	0.22	0.22
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.14	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

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

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	694.1	0.7	0.7	0.03	0.03
1.0-2.0	693.9	2.0	2.7	0.10	0.13
2.0-3.0	693.4	3.3	6.0	0.16	0.29
3.0-4.0	692.7	4.6	10.6	0.22	0.51
4.0-5.0	691.8	6.0	16.6	0.29	0.79
5.0-6.0	690.5	7.3	23.8	0.35	1.14
6.0-7.0	689.1	8.6	32.4	0.41	1.55
7.0-8.0	687.4	9.8	42.2	0.47	2.02
8.0-9.0	685.5	11.1	53.3	0.53	2.56
9.0-10.0	683.4	12.4	65.7	0.59	3.15
10.0-11.0	681.0	13.6	79.3	0.65	3.80
11.0-12.0	678.4	14.8	94.1	0.71	4.51
12.0-13.0	675.7	16.0	110.2	0.77	5.28
13.0-14.0	672.5	17.2	127.4	0.83	6.11
14.0-15.0	669.2	18.4	145.8	0.88	6.99
15.0-16.0	665.6	19.5	165.3	0.93	7.92
16.0-17.0	661.8	20.6	185.9	0.99	8.91
17.0-18.0	657.9	21.7	207.6	1.04	9.95
18.0-19.0	653.6	22.7	230.3	1.09	11.04
19.0-20.0	649.2	23.8	254.1	1.14	12.18
20.0-21.0	644.6	24.8	278.8	1.19	13.36
21.0-22.0	639.6	25.7	304.5	1.23	14.60
22.0-23.0	634.5	26.6	331.2	1.28	15.87
23.0-24.0	629.1	27.5	358.7	1.32	17.19
24.0-25.0	623.5	28.4	387.0	1.36	18.55
25.0-26.0	618.0	29.2	416.2	1.40	19.95
26.0-27.0	611.9	29.9	446.1	1.44	21.38
27.0-28.0	605.6	30.7	476.8	1.47	22.85
28.0-29.0	599.5	31.4	508.2	1.50	24.36
29.0-30.0	592.9	32.0	540.2	1.53	25.89
30.0-31.0	586.1	32.6	572.8	1.56	27.46
31.0-32.0	579.1	33.2	606.0	1.59	29.05
32.0-33.0	571.9	33.7	639.7	1.62	30.66
33.0-34.0	564.7	34.2	673.9	1.64	32.30
34.0-35.0	557.0	34.6	708.5	1.66	33.96
35.0-36.0	549.3	35.0	743.5	1.68	35.63

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	541.7	35.3	778.8	1.69	37.33
37.0-38.0	533.5	35.6	814.4	1.71	39.04
38.0-39.0	525.2	35.9	850.3	1.72	40.75
39.0-40.0	516.7	36.0	886.3	1.73	42.48
40.0-41.0	508.0	36.2	922.5	1.73	44.22
41.0-42.0	499.6	36.3	958.8	1.74	45.96
42.0-43.0	490.7	36.4	995.1	1.74	47.70
43.0-44.0	481.5	36.3	1031.5	1.74	49.44
44.0-45.0	472.4	36.3	1067.8	1.74	51.18
45.0-46.0	463.0	36.2	1104.0	1.74	52.92
46.0-47.0	453.5	36.1	1140.1	1.73	54.65
47.0-48.0	443.8	35.9	1176.0	1.72	56.36
48.0-49.0	434.0	35.6	1211.6	1.71	58.07
49.0-50.0	424.4	35.4	1247.0	1.70	59.77
50.0-51.0	414.4	35.1	1282.1	1.68	61.45
51.0-52.0	404.0	34.7	1316.7	1.66	63.11
52.0-53.0	393.6	34.2	1351.0	1.64	64.75
53.0-54.0	383.0	33.8	1384.7	1.62	66.37
54.0-55.0	372.8	33.3	1418.0	1.60	67.97
55.0-56.0	362.1	32.7	1450.7	1.57	69.54
56.0-57.0	351.3	32.1	1482.9	1.54	71.07
57.0-58.0	340.8	31.5	1514.4	1.51	72.59
58.0-59.0	329.7	30.8	1545.2	1.48	74.06
59.0-60.0	318.5	30.1	1575.3	1.44	75.51
60.0-61.0	307.3	29.3	1604.6	1.41	76.91
61.0-62.0	296.1	28.5	1633.2	1.37	78.28
62.0-63.0	285.3	27.7	1660.9	1.33	79.61
63.0-64.0	273.8	26.9	1687.8	1.29	80.90
64.0-65.0	262.4	26.0	1713.8	1.24	82.14
65.0-66.0	251.5	25.1	1738.9	1.20	83.34
66.0-67.0	240.0	24.1	1763.0	1.16	84.50
67.0-68.0	228.4	23.1	1786.1	1.11	85.61
68.0-69.0	216.9	22.1	1808.3	1.06	86.67
69.0-70.0	205.4	21.1	1829.4	1.01	87.68
70.0-71.0	194.4	20.1	1849.5	0.96	88.65
71.0-72.0	183.0	19.0	1868.5	0.91	89.56

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	171.5	17.9	1886.4	0.86	90.42
73.0-74.0	160.6	16.9	1903.3	0.81	91.23
74.0-75.0	149.3	15.8	1919.1	0.76	91.98
75.0-76.0	138.1	14.7	1933.7	0.70	92.69
76.0-77.0	127.0	13.5	1947.3	0.65	93.34
77.0-78.0	116.1	12.4	1959.7	0.60	93.93
78.0-79.0	105.8	11.4	1971.1	0.54	94.48
79.0-80.0	95.1	10.2	1981.3	0.49	94.97
80.0-81.0	84.5	9.1	1990.5	0.44	95.41
81.0-82.0	74.7	8.1	1998.6	0.39	95.79
82.0-83.0	64.7	7.0	2005.6	0.34	96.13
83.0-84.0	54.9	6.0	2011.6	0.29	96.42
84.0-85.0	45.4	5.0	2016.6	0.24	96.66
85.0-86.0	36.4	4.0	2020.5	0.19	96.85
86.0-87.0	29.0	3.2	2023.7	0.15	97.00
87.0-88.0	22.6	2.5	2026.2	0.12	97.12
88.0-89.0	17.2	1.9	2028.1	0.09	97.21
89.0-90.0	12.8	1.4	2029.5	0.07	97.27
90.0-91.0	9.0	1.0	2030.5	0.05	97.32
91.0-92.0	6.1	0.7	2031.1	0.03	97.35
92.0-93.0	4.2	0.5	2031.6	0.02	97.38
93.0-94.0	3.5	0.4	2032.0	0.02	97.39
94.0-95.0	3.6	0.4	2032.4	0.02	97.41
95.0-96.0	3.8	0.4	2032.8	0.02	97.43
96.0-97.0	4.0	0.4	2033.2	0.02	97.45
97.0-98.0	4.2	0.5	2033.7	0.02	97.47
98.0-99.0	4.4	0.5	2034.1	0.02	97.50
99.0-100.0	4.6	0.5	2034.6	0.02	97.52
100.0-101.0	4.8	0.5	2035.1	0.02	97.55
101.0-102.0	5.0	0.5	2035.7	0.03	97.57
102.0-103.0	5.2	0.6	2036.2	0.03	97.60
103.0-104.0	5.4	0.6	2036.8	0.03	97.63
104.0-105.0	5.6	0.6	2037.4	0.03	97.65
105.0-106.0	5.9	0.6	2038.0	0.03	97.68
106.0-107.0	6.1	0.6	2038.7	0.03	97.72
107.0-108.0	6.3	0.7	2039.3	0.03	97.75

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	6.5	0.7	2040.0	0.03	97.78
109.0-110.0	6.7	0.7	2040.7	0.03	97.81
110.0-111.0	6.9	0.7	2041.4	0.03	97.85
111.0-112.0	7.1	0.7	2042.1	0.03	97.88
112.0-113.0	7.4	0.7	2042.9	0.04	97.92
113.0-114.0	7.6	0.8	2043.7	0.04	97.95
114.0-115.0	7.8	0.8	2044.4	0.04	97.99
115.0-116.0	8.0	0.8	2045.2	0.04	98.03
116.0-117.0	8.2	0.8	2046.0	0.04	98.07
117.0-118.0	8.4	0.8	2046.8	0.04	98.11
118.0-119.0	8.6	0.8	2047.7	0.04	98.15
119.0-120.0	8.8	0.8	2048.5	0.04	98.19
120.0-121.0	9.0	0.8	2049.3	0.04	98.23
121.0-122.0	9.2	0.9	2050.2	0.04	98.27
122.0-123.0	9.3	0.9	2051.1	0.04	98.31
123.0-124.0	9.5	0.9	2051.9	0.04	98.35
124.0-125.0	9.7	0.9	2052.8	0.04	98.39
125.0-126.0	9.9	0.9	2053.7	0.04	98.44
126.0-127.0	10.1	0.9	2054.6	0.04	98.48
127.0-128.0	10.2	0.9	2055.5	0.04	98.52
128.0-129.0	10.4	0.9	2056.4	0.04	98.56
129.0-130.0	10.6	0.9	2057.3	0.04	98.61
130.0-131.0	10.8	0.9	2058.2	0.04	98.65
131.0-132.0	10.9	0.9	2059.1	0.04	98.69
132.0-133.0	11.1	0.9	2060.0	0.04	98.74
133.0-134.0	11.2	0.9	2060.8	0.04	98.78
134.0-135.0	11.4	0.9	2061.7	0.04	98.82
135.0-136.0	11.5	0.9	2062.6	0.04	98.86
136.0-137.0	11.7	0.9	2063.5	0.04	98.91
137.0-138.0	11.8	0.9	2064.4	0.04	98.95
138.0-139.0	11.9	0.9	2065.2	0.04	98.99
139.0-140.0	12.1	0.9	2066.1	0.04	99.03
140.0-141.0	12.2	0.9	2067.0	0.04	99.07
141.0-142.0	12.3	0.8	2067.8	0.04	99.11
142.0-143.0	12.5	0.8	2068.6	0.04	99.15
143.0-144.0	12.6	0.8	2069.5	0.04	99.19

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	12.7	0.8	2070.3	0.04	99.23
145.0-146.0	12.9	0.8	2071.1	0.04	99.27
146.0-147.0	13.0	0.8	2071.8	0.04	99.31
147.0-148.0	13.1	0.8	2072.6	0.04	99.34
148.0-149.0	13.2	0.8	2073.4	0.04	99.38
149.0-150.0	13.3	0.7	2074.1	0.04	99.41
150.0-151.0	13.4	0.7	2074.8	0.03	99.45
151.0-152.0	13.6	0.7	2075.6	0.03	99.48
152.0-153.0	13.7	0.7	2076.2	0.03	99.52
153.0-154.0	13.8	0.7	2076.9	0.03	99.55
154.0-155.0	13.9	0.7	2077.6	0.03	99.58
155.0-156.0	14.0	0.6	2078.2	0.03	99.61
156.0-157.0	14.1	0.6	2078.8	0.03	99.64
157.0-158.0	14.2	0.6	2079.4	0.03	99.67
158.0-159.0	14.4	0.6	2080.0	0.03	99.70
159.0-160.0	14.5	0.6	2080.6	0.03	99.72
160.0-161.0	14.6	0.5	2081.1	0.03	99.75
161.0-162.0	14.7	0.5	2081.6	0.02	99.77
162.0-163.0	14.8	0.5	2082.1	0.02	99.80
163.0-164.0	14.9	0.5	2082.6	0.02	99.82
164.0-165.0	15.0	0.4	2083.0	0.02	99.84
165.0-166.0	15.1	0.4	2083.4	0.02	99.86
166.0-167.0	15.2	0.4	2083.8	0.02	99.88
167.0-168.0	15.3	0.4	2084.2	0.02	99.90
168.0-169.0	15.4	0.3	2084.5	0.02	99.91
169.0-170.0	15.6	0.3	2084.8	0.01	99.93
170.0-171.0	15.7	0.3	2085.1	0.01	99.94
171.0-172.0	15.8	0.3	2085.4	0.01	99.95
172.0-173.0	15.9	0.2	2085.6	0.01	99.96
173.0-174.0	16.0	0.2	2085.8	0.01	99.97
174.0-175.0	16.1	0.2	2086.0	0.01	99.98
175.0-176.0	16.2	0.1	2086.1	0.01	99.99
176.0-177.0	16.2	0.1	2086.2	0.01	99.99
177.0-178.0	16.3	0.1	2086.3	0.00	100.00
178.0-179.0	16.3	0.0	2086.3	0.00	100.00
179.0-180.0	16.3	0.0	2086.3	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	693.7	694.1	694.3	694.0	694.3	694.3	693.7	694.1	694.3	694.0
G1.0	693.3	693.3	694.7	694.9	694.7	695.1	694.3	693.7	693.7	693.7
G2.0	692.5	693.4	694.5	695.6	695.6	696.0	694.6	693.6	692.8	692.4
G3.0	691.3	692.5	694.3	695.8	696.1	696.5	694.8	693.1	691.9	690.5
G4.0	690.0	691.5	693.8	695.7	696.3	696.5	693.6	692.9	690.8	689.0
G5.0	688.3	690.4	693.2	695.3	696.4	696.4	693.6	691.8	689.4	687.0
G6.0	686.4	688.9	692.3	694.8	695.7	695.6	692.9	690.2	687.5	684.9
G7.0	684.2	687.0	691.4	693.7	695.5	694.8	691.9	689.1	685.7	682.9
G8.0	682.0	685.0	689.8	692.8	694.4	694.2	690.3	687.4	683.4	679.9
G9.0	679.1	683.0	687.9	692.3	693.4	693.2	689.1	685.3	680.6	677.5
G10.0	676.8	680.6	686.5	690.6	692.2	691.8	687.7	683.2	678.5	674.5
G11.0	673.5	677.8	684.2	688.5	690.9	690.0	685.3	680.9	675.4	671.0
G12.0	670.0	675.2	681.6	687.1	689.2	688.1	683.2	678.6	672.5	667.2
G13.0	666.8	672.3	679.4	684.7	687.2	686.3	681.0	675.6	669.4	663.8
G14.0	662.8	668.5	676.5	682.6	684.4	683.8	678.1	672.3	665.6	659.8
G15.0	659.1	665.2	673.4	679.9	682.1	681.1	675.3	669.5	661.9	655.4
G16.0	654.7	661.2	670.0	676.3	679.4	678.7	672.0	665.5	657.4	651.2
G17.0	650.1	657.3	666.5	673.3	676.8	675.8	668.7	661.9	653.5	646.5
G18.0	645.7	652.9	663.1	670.0	673.7	672.2	665.3	658.2	648.8	642.0
G19.0	640.8	648.1	658.4	666.7	669.9	668.5	661.3	653.7	644.4	636.5
G20.0	635.7	643.7	654.8	663.2	666.5	665.0	657.3	649.3	639.4	631.3
G21.0	630.7	639.0	650.5	658.7	662.3	661.1	653.2	644.7	634.3	625.9
G22.0	624.5	633.1	645.4	654.5	658.3	656.7	648.5	639.8	628.5	620.2
G23.0	619.0	627.9	640.6	649.9	654.3	652.5	643.9	635.1	623.4	614.5
G24.0	612.3	622.2	635.1	645.0	649.6	647.3	638.6	629.2	617.2	608.3
G25.0	606.8	616.5	630.0	640.4	645.1	643.0	633.7	623.8	611.7	602.0
G26.0	600.5	610.8	624.6	635.1	639.6	638.1	628.8	618.2	605.7	595.9
G27.0	593.5	604.4	618.3	629.4	634.2	632.1	622.7	612.5	599.2	588.6
G28.0	587.1	598.0	612.3	623.9	629.2	626.8	617.3	606.4	592.6	582.0
G29.0	580.1	591.4	606.5	618.3	623.8	621.7	611.3	600.2	586.3	575.0
G30.0	572.5	584.3	600.0	612.4	617.6	615.4	605.0	593.3	578.5	567.5
G31.0	565.8	577.4	593.9	606.2	611.9	609.4	598.4	587.0	571.9	560.4
G32.0	557.3	570.1	586.8	599.8	605.4	603.0	591.7	579.3	563.9	552.3
G33.0	550.4	562.7	580.0	593.0	599.0	597.0	585.2	572.8	557.0	544.2
G34.0	542.3	555.4	573.3	586.3	592.7	590.4	578.1	565.7	549.2	536.5
G35.0	534.0	547.3	565.3	579.3	584.8	582.6	570.9	557.5	540.7	528.0
G36.0	525.7	539.7	558.0	572.4	578.4	576.0	563.5	550.2	533.1	519.9

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 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	518.0	531.5	550.4	564.9	571.1	568.5	556.2	542.9	525.2	511.9
G38.0	508.6	522.9	542.1	557.1	563.5	561.2	548.3	534.1	516.2	503.2
G39.0	500.2	514.4	534.0	549.4	556.2	553.7	540.6	526.4	508.2	494.2
G40.0	491.0	505.6	525.5	540.7	547.9	545.2	532.3	517.3	498.7	484.8
G41.0	481.9	496.8	517.3	533.2	540.0	537.5	524.1	509.5	490.2	475.7
G42.0	473.4	488.2	508.8	525.6	532.0	529.5	515.8	501.2	481.6	466.8
G43.0	463.3	478.6	499.8	516.3	523.6	520.8	506.9	491.4	472.0	457.2
G44.0	454.1	469.6	491.1	508.1	514.8	512.3	498.1	483.0	463.0	447.6
G45.0	444.3	460.7	482.3	499.0	507.1	504.0	489.3	473.4	453.4	437.5
G46.0	434.3	450.8	472.4	489.9	497.5	494.9	480.4	464.3	443.8	427.4
G47.0	425.0	440.9	463.3	480.9	488.7	486.0	471.4	455.3	434.2	418.0
G48.0	413.9	430.5	453.3	471.1	479.7	476.6	461.7	445.0	423.7	407.6
G49.0	404.6	420.8	443.7	462.1	470.3	467.2	452.7	435.7	414.1	397.9
G50.0	394.2	411.4	434.5	453.1	461.3	458.5	443.4	426.2	404.6	387.4
G51.0	383.6	400.7	424.1	442.5	450.9	448.0	432.9	415.7	393.7	376.9
G52.0	373.3	390.5	413.9	432.9	441.5	438.5	422.9	405.8	383.5	366.8
G53.0	361.9	379.5	403.5	422.2	431.3	428.3	412.7	395.2	372.5	355.2
G54.0	351.9	368.7	392.8	412.3	421.2	418.2	402.9	384.8	362.0	345.1
G55.0	341.4	358.5	382.8	402.2	411.3	408.5	393.0	374.7	351.9	334.6
G56.0	329.6	347.5	371.5	391.4	400.0	397.8	381.9	363.9	340.6	322.7
G57.0	319.1	336.6	361.1	381.2	390.2	387.5	372.0	353.8	330.3	312.0
G58.0	308.1	325.5	350.9	371.1	380.2	377.4	361.3	343.2	319.3	301.0
G59.0	296.5	314.3	339.1	359.6	368.8	365.8	350.2	331.9	307.8	289.4
G60.0	285.4	303.2	328.7	348.6	358.8	355.8	340.0	321.0	296.7	278.8
G61.0	273.7	291.4	316.5	337.4	346.7	344.1	328.2	309.5	285.2	266.6
G62.0	262.4	280.6	305.8	326.2	336.3	333.5	317.7	299.1	274.7	255.9
G63.0	251.6	269.4	294.8	315.9	325.3	322.6	307.3	288.0	263.4	245.1
G64.0	239.3	257.6	282.8	303.5	313.5	310.9	295.5	276.5	251.7	232.8
G65.0	228.4	246.8	271.5	292.9	302.5	300.3	284.9	265.3	240.9	222.0
G66.0	217.6	235.4	260.7	281.5	291.7	289.2	274.2	254.6	229.6	211.2
G67.0	205.3	223.0	248.2	269.6	279.4	276.9	262.1	242.9	218.1	198.9
G68.0	194.0	212.2	237.3	258.2	268.5	266.2	251.3	231.8	206.7	188.3
G69.0	182.2	199.7	225.4	246.1	256.1	254.4	239.2	220.0	195.1	175.9
G70.0	170.9	189.0	213.8	234.6	245.1	243.0	228.5	208.9	183.9	165.3
G71.0	160.3	178.2	202.5	223.7	233.7	232.2	217.3	198.2	173.3	154.2
G72.0	148.6	165.8	190.5	211.7	221.7	219.8	205.6	186.2	161.2	142.8
G73.0	137.5	154.7	179.3	200.1	210.3	208.5	194.5	175.6	150.6	131.8

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	127.0	144.1	168.4	188.7	199.4	197.7	183.9	164.5	139.7	121.6
G75.0	115.1	132.0	156.2	176.8	186.9	185.4	171.8	153.1	128.4	109.9
G76.0	104.4	121.5	145.4	165.4	176.1	174.7	161.4	142.7	117.7	99.9
G77.0	93.3	109.7	133.3	153.6	163.7	162.4	149.4	131.0	106.7	89.1
G78.0	82.8	99.4	122.8	142.3	152.9	151.9	139.1	120.8	96.8	79.0
G79.0	73.0	88.8	111.9	131.6	141.7	140.8	128.9	110.3	86.6	69.6
G80.0	62.0	77.5	100.1	119.6	130.1	129.3	117.2	99.5	76.1	59.0
G81.0	52.6	67.7	90.0	109.2	119.1	118.4	107.2	89.2	66.4	50.1
G82.0	43.0	58.3	80.1	98.4	108.2	108.2	96.7	79.6	57.2	40.9
G83.0	33.4	47.7	69.1	87.4	97.1	96.7	86.0	69.3	47.5	31.6
G84.0	24.6	38.8	59.5	77.1	87.0	86.8	76.3	59.6	38.4	23.3
G85.0	15.8	28.9	49.0	66.6	75.8	75.7	65.6	49.7	29.2	14.3
G86.0	8.2	20.7	40.1	56.7	66.2	66.1	56.2	40.4	20.7	6.9
G87.0	2.7	12.5	31.0	47.5	56.4	56.8	46.9	31.8	13.0	2.9
G88.0	2.8	4.7	21.9	37.8	46.3	46.3	37.2	22.7	4.9	3.1
G89.0	2.9	2.6	13.5	28.8	37.5	37.4	28.2	14.3	3.1	3.3
G90.0	3.1	2.8	6.2	20.5	28.5	28.4	19.1	6.2	3.3	3.5
G91.0	3.2	2.9	2.5	11.6	19.4	19.2	10.7	3.0	3.5	3.7
G92.0	3.4	3.1	2.6	4.5	11.2	10.9	3.9	3.2	3.7	3.9
G93.0	3.6	3.2	2.8	2.5	3.7	3.4	3.1	3.4	3.8	4.1
G94.0	3.8	3.4	2.9	2.6	2.5	2.6	3.2	3.6	4.0	4.3
G95.0	4.0	3.6	3.0	2.8	2.6	2.7	3.5	3.7	4.3	4.5
G96.0	4.2	3.8	3.2	3.0	2.9	2.9	3.8	4.0	4.4	4.8
G97.0	4.3	3.9	3.4	3.1	3.1	3.1	3.9	4.2	4.6	5.0
G98.0	4.6	4.1	3.6	3.3	3.2	3.3	4.1	4.4	4.9	5.2
G99.0	4.8	4.3	3.8	3.5	3.3	3.4	4.3	4.6	5.1	5.5
G100.0	4.9	4.6	3.9	3.6	3.5	3.6	4.5	4.8	5.3	5.7
G101.0	5.2	4.7	4.2	3.8	3.8	3.8	4.7	5.1	5.6	5.9
G102.0	5.4	4.9	4.4	4.0	3.9	3.9	5.0	5.3	5.8	6.2
G103.0	5.6	5.1	4.6	4.2	4.1	4.1	5.2	5.5	6.0	6.4
G104.0	5.8	5.3	4.8	4.4	4.3	4.3	5.5	5.8	6.2	6.6
G105.0	6.0	5.5	5.0	4.6	4.5	4.5	5.6	6.0	6.5	6.8
G106.0	6.2	5.7	5.2	4.8	4.7	4.7	5.9	6.3	6.7	7.1
G107.0	6.4	5.9	5.4	5.1	4.9	4.9	6.2	6.4	6.9	7.3
G108.0	6.6	6.1	5.6	5.3	5.2	5.2	6.4	6.7	7.2	7.5
G109.0	6.9	6.3	5.8	5.5	5.3	5.3	6.6	7.0	7.4	7.8
G110.0	7.1	6.6	6.0	5.7	5.5	5.5	6.8	7.1	7.6	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 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	7.3	6.7	6.2	5.9	5.7	5.7	7.1	7.3	7.8	8.2
G112.0	7.5	6.9	6.4	6.1	5.9	5.9	7.3	7.6	8.1	8.4
G113.0	7.7	7.2	6.6	6.3	6.1	6.2	7.6	7.8	8.3	8.6
G114.0	8.0	7.3	6.8	6.5	6.4	6.4	7.8	8.0	8.5	8.9
G115.0	8.2	7.5	7.1	6.7	6.6	6.5	8.0	8.1	8.7	9.1
G116.0	8.4	7.7	7.2	7.0	6.7	6.7	8.2	8.3	8.9	9.2
G117.0	8.6	7.9	7.4	7.2	6.9	6.9	8.4	8.6	9.1	9.4
G118.0	8.7	8.1	7.7	7.4	7.1	7.1	8.6	8.8	9.4	9.6
G119.0	8.9	8.2	7.8	7.5	7.4	7.3	8.8	9.0	9.5	9.8
G120.0	9.2	8.4	8.1	7.8	7.5	7.5	9.0	9.2	9.7	10.1
G121.0	9.4	8.6	8.2	8.0	7.7	7.7	9.2	9.4	9.8	10.3
G122.0	9.6	8.8	8.4	8.2	7.9	7.9	9.4	9.6	10.1	10.4
G123.0	9.7	9.0	8.6	8.4	8.1	8.1	9.6	9.8	10.3	10.7
G124.0	9.9	9.1	8.8	8.6	8.3	8.3	9.8	10.0	10.4	10.9
G125.0	10.1	9.3	9.0	8.8	8.5	8.4	10.0	10.2	10.6	11.0
G126.0	10.3	9.4	9.1	9.0	8.6	8.6	10.2	10.4	10.8	11.3
G127.0	10.4	9.6	9.3	9.2	8.8	8.8	10.3	10.5	10.9	11.4
G128.0	10.6	9.9	9.5	9.4	9.0	8.9	10.5	10.7	11.1	11.6
G129.0	10.8	10.0	9.6	9.5	9.2	9.2	10.7	10.9	11.2	11.7
G130.0	11.0	10.1	9.8	9.8	9.4	9.3	10.9	11.0	11.4	11.9
G131.0	11.1	10.3	10.0	9.9	9.6	9.5	11.1	11.2	11.5	12.1
G132.0	11.3	10.4	10.1	10.1	9.8	9.7	11.3	11.4	11.7	12.2
G133.0	11.4	10.6	10.3	10.3	9.9	9.8	11.5	11.6	11.7	12.3
G134.0	11.6	10.7	10.4	10.4	10.1	10.0	11.6	11.7	11.9	12.5
G135.0	11.8	10.9	10.6	10.6	10.2	10.2	11.7	11.8	12.1	12.6
G136.0	11.8	11.1	10.8	10.7	10.4	10.4	11.9	12.0	12.3	12.7
G137.0	12.0	11.2	10.9	10.8	10.6	10.6	12.1	12.1	12.4	12.9
G138.0	12.1	11.4	10.9	11.0	10.7	10.7	12.3	12.3	12.6	12.9
G139.0	12.1	11.6	11.1	11.1	10.8	10.9	12.4	12.4	12.7	13.0
G140.0	12.3	11.7	11.3	11.3	11.0	11.0	12.5	12.6	12.8	13.1
G141.0	12.5	11.9	11.4	11.5	11.1	11.1	12.5	12.6	13.0	13.3
G142.0	12.6	12.1	11.5	11.6	11.3	11.4	12.6	12.7	13.1	13.4
G143.0	12.7	12.2	11.6	11.8	11.4	11.6	12.8	12.9	13.3	13.5
G144.0	12.7	12.3	11.8	11.8	11.6	11.7	12.9	13.0	13.3	13.6
G145.0	12.9	12.5	11.9	11.9	11.7	11.9	13.0	13.2	13.5	13.7
G146.0	12.9	12.6	12.1	12.1	11.8	12.0	13.1	13.2	13.6	13.9
G147.0	13.1	12.7	12.2	12.2	12.0	12.1	13.2	13.4	13.6	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:

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	13.2	12.9	12.4	12.3	12.2	12.3	13.3	13.5	13.8	13.9
G149.0	13.3	13.0	12.5	12.5	12.3	12.5	13.4	13.6	13.9	14.0
G150.0	13.4	13.1	12.7	12.5	12.5	12.6	13.5	13.8	14.0	14.1
G151.0	13.6	13.3	12.9	12.6	12.6	12.8	13.6	13.9	14.1	14.2
G152.0	13.6	13.4	13.0	12.8	12.8	12.9	13.8	14.0	14.2	14.3
G153.0	13.8	13.5	13.1	12.9	12.9	13.1	13.8	14.1	14.2	14.4
G154.0	13.8	13.6	13.3	13.1	13.0	13.2	13.9	14.2	14.3	14.5
G155.0	13.9	13.8	13.4	13.2	13.2	13.3	14.0	14.3	14.4	14.6
G156.0	14.0	13.9	13.6	13.3	13.3	13.5	14.2	14.4	14.5	14.7
G157.0	14.2	13.9	13.7	13.4	13.4	13.6	14.3	14.6	14.6	14.8
G158.0	14.3	14.1	13.9	13.5	13.6	13.7	14.4	14.6	14.7	14.9
G159.0	14.4	14.2	14.0	13.7	13.7	13.8	14.5	14.7	14.7	15.0
G160.0	14.5	14.3	14.2	13.8	13.8	14.0	14.6	14.8	14.9	15.0
G161.0	14.6	14.4	14.3	13.9	13.9	14.1	14.6	14.9	14.9	15.1
G162.0	14.7	14.5	14.4	14.0	14.0	14.2	14.8	15.0	15.0	15.2
G163.0	14.8	14.6	14.6	14.1	14.2	14.3	14.9	15.1	15.1	15.3
G164.0	14.9	14.7	14.7	14.2	14.3	14.5	15.1	15.2	15.2	15.5
G165.0	15.0	14.8	14.8	14.4	14.4	14.6	15.1	15.3	15.3	15.6
G166.0	15.1	14.9	15.0	14.6	14.5	14.7	15.3	15.4	15.4	15.6
G167.0	15.3	15.1	15.0	14.6	14.7	14.8	15.5	15.5	15.5	15.8
G168.0	15.3	15.2	15.1	14.8	14.9	15.0	15.6	15.6	15.6	15.9
G169.0	15.5	15.3	15.3	15.0	15.0	15.1	15.7	15.8	15.7	16.1
G170.0	15.6	15.4	15.4	15.2	15.1	15.2	15.9	15.8	15.9	16.2
G171.0	15.8	15.6	15.5	15.4	15.3	15.3	16.0	16.0	15.9	16.3
G172.0	16.0	15.6	15.6	15.6	15.4	15.5	16.1	16.1	16.1	16.4
G173.0	16.1	15.8	15.8	15.8	15.6	15.6	16.1	16.1	16.1	16.5
G174.0	16.2	15.9	15.9	15.9	15.7	15.8	16.3	16.1	16.2	16.5
G175.0	16.3	16.0	16.0	16.1	15.9	15.9	16.3	16.2	16.2	16.5
G176.0	16.4	16.1	16.1	16.3	16.0	16.0	16.4	16.2	16.2	16.6
G177.0	16.4	16.1	16.1	16.4	16.0	16.0	16.4	16.2	16.1	16.6
G178.0	16.5	16.2	16.2	16.6	16.1	16.1	16.5	16.2	16.2	16.6
G179.0	16.5	16.3	16.2	16.5	16.2	16.1	16.4	16.3	16.3	16.6
G180.0	16.5	16.3	16.3	16.5	16.1	16.1	16.5	16.3	16.2	16.6

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	694.3	694.3	693.7							
G1.0	693.0	693.8	693.3							
G2.0	691.5	692.8	692.5							
G3.0	690.0	690.5	691.3							
G4.0	688.6	688.6	690.0							
G5.0	686.2	687.2	688.3							
G6.0	684.1	684.6	686.4							
G7.0	681.8	682.2	684.2							
G8.0	678.8	679.6	682.0							
G9.0	675.6	676.8	679.1							
G10.0	672.5	673.1	676.8							
G11.0	668.7	669.8	673.5							
G12.0	665.5	666.6	670.0							
G13.0	661.8	662.7	666.8							
G14.0	657.3	658.5	662.8							
G15.0	652.9	654.2	659.1							
G16.0	648.3	649.1	654.7							
G17.0	643.7	644.8	650.1							
G18.0	639.3	640.2	645.7							
G19.0	633.1	634.8	640.8							
G20.0	627.9	629.6	635.7							
G21.0	622.6	623.9	630.7							
G22.0	616.0	618.0	624.5							
G23.0	610.5	611.8	619.0							
G24.0	604.0	605.5	612.3							
G25.0	597.9	599.5	606.8							
G26.0	591.1	592.9	600.5							
G27.0	584.0	585.2	593.5							
G28.0	577.1	578.6	587.1							
G29.0	570.4	571.9	580.1							
G30.0	562.1	564.0	572.5							
G31.0	554.9	556.8	565.8							
G32.0	546.6	548.3	557.3							
G33.0	539.0	540.5	550.4							
G34.0	530.7	532.8	542.3							
G35.0	522.1	523.7	534.0							
G36.0	513.9	515.9	525.7							

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	505.7	507.1	518.0							
G38.0	496.1	498.2	508.6							
G39.0	487.6	489.6	500.2							
G40.0	478.1	479.4	491.0							
G41.0	469.4	470.6	481.9							
G42.0	459.9	461.9	473.4							
G43.0	449.8	451.4	463.3							
G44.0	440.6	442.2	454.1							
G45.0	430.1	432.0	444.3							
G46.0	420.2	422.1	434.3							
G47.0	410.7	412.4	425.0							
G48.0	400.1	401.5	413.9							
G49.0	389.7	391.5	404.6							
G50.0	379.8	382.0	394.2							
G51.0	368.8	370.8	383.6							
G52.0	358.2	360.0	373.3							
G53.0	347.0	349.0	361.9							
G54.0	336.2	338.0	351.9							
G55.0	325.9	327.8	341.4							
G56.0	314.3	316.2	329.6							
G57.0	303.7	305.6	319.1							
G58.0	292.8	294.6	308.1							
G59.0	280.9	282.4	296.5							
G60.0	269.5	271.8	285.4							
G61.0	258.0	260.1	273.7							
G62.0	247.2	249.4	262.4							
G63.0	236.0	238.1	251.6							
G64.0	224.2	226.2	239.3							
G65.0	212.9	214.9	228.4							
G66.0	202.1	204.2	217.6							
G67.0	190.3	192.3	205.3							
G68.0	179.7	181.2	194.0							
G69.0	167.5	169.4	182.2							
G70.0	156.4	158.2	170.9							
G71.0	145.9	147.7	160.3							
G72.0	133.9	135.8	148.6							
G73.0	123.6	125.4	137.5							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	112.9	114.6	127.0							
G75.0	101.9	103.4	115.1							
G76.0	91.5	92.9	104.4							
G77.0	80.9	82.1	93.3							
G78.0	71.3	72.4	82.8							
G79.0	61.5	62.4	73.0							
G80.0	51.5	52.3	62.0							
G81.0	42.2	42.8	52.6							
G82.0	33.5	34.1	43.0							
G83.0	24.3	24.7	33.4							
G84.0	15.9	16.3	24.6							
G85.0	7.4	7.9	15.8							
G86.0	2.9	3.0	8.2							
G87.0	3.0	3.1	2.7							
G88.0	3.2	3.3	2.8							
G89.0	3.5	3.5	2.9							
G90.0	3.7	3.6	3.1							
G91.0	3.8	3.8	3.2							
G92.0	4.1	4.0	3.4							
G93.0	4.2	4.3	3.6							
G94.0	4.4	4.4	3.8							
G95.0	4.7	4.6	4.0							
G96.0	4.9	4.9	4.2							
G97.0	5.1	5.0	4.3							
G98.0	5.4	5.3	4.6							
G99.0	5.6	5.6	4.8							
G100.0	5.8	5.8	4.9							
G101.0	6.1	6.1	5.2							
G102.0	6.3	6.3	5.4							
G103.0	6.5	6.5	5.6							
G104.0	6.8	6.7	5.8							
G105.0	7.0	6.9	6.0							
G106.0	7.2	7.1	6.2							
G107.0	7.5	7.4	6.4							
G108.0	7.7	7.5	6.6							
G109.0	7.9	7.8	6.9							
G110.0	8.1	8.0	7.1							

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

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	13.9	14.0	13.2							
G149.0	14.1	14.2	13.3							
G150.0	14.2	14.2	13.4							
G151.0	14.3	14.3	13.6							
G152.0	14.4	14.4	13.6							
G153.0	14.5	14.6	13.8							
G154.0	14.6	14.6	13.8							
G155.0	14.7	14.7	13.9							
G156.0	14.9	14.8	14.0							
G157.0	14.9	14.9	14.2							
G158.0	15.0	15.0	14.3							
G159.0	15.1	15.1	14.4							
G160.0	15.1	15.2	14.5							
G161.0	15.2	15.3	14.6							
G162.0	15.3	15.3	14.7							
G163.0	15.4	15.4	14.8							
G164.0	15.5	15.5	14.9							
G165.0	15.6	15.6	15.0							
G166.0	15.6	15.6	15.1							
G167.0	15.8	15.6	15.3							
G168.0	15.8	15.8	15.3							
G169.0	15.9	15.9	15.5							
G170.0	16.0	15.9	15.6							
G171.0	16.0	16.0	15.8							
G172.0	16.2	16.1	16.0							
G173.0	16.2	16.1	16.1							
G174.0	16.1	16.1	16.2							
G175.0	16.2	16.1	16.3							
G176.0	16.2	16.2	16.4							
G177.0	16.2	16.2	16.4							
G178.0	16.3	16.3	16.5							
G179.0	16.2	16.3	16.5							
G180.0	16.1	16.2	16.5							

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: