

Report No.: 202602081336

Test Time: 2026-02-08 14:35

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ASD-LPR-5D12WH-5000K

Voltage: 120.9 V

Current: 0.102 A

Power: 11.72 W

Power Factor: 0.947

Photometric Results

CIE Class: Direct

Measurement Flux: 803.2 lm

Downward Ratio: 97%

Total Rated Lamp Lumens: 803.2 lm

Efficiency: 100%

Upward Ratio: 3%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.5, 163.8, 164.0, 164.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.6, 112.9, 113.1, 113.4

Luminaire Efficacy Rating (LER): 68.59

Central Intensity: 266.82 cd

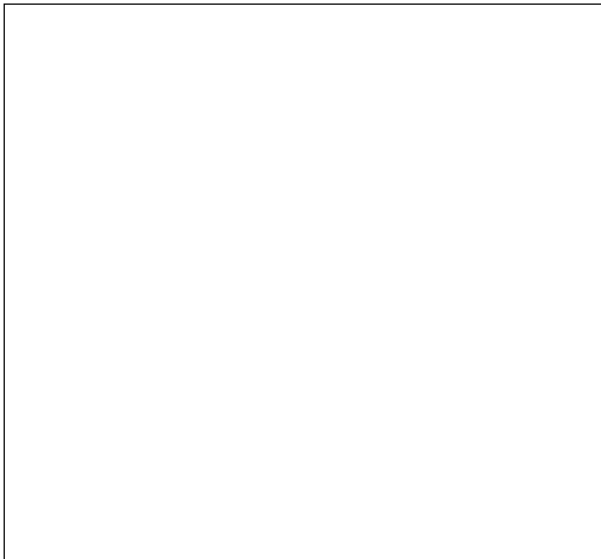
Max. Intensity: 268.11 cd

Pos of Max. Intensity: H120 V5

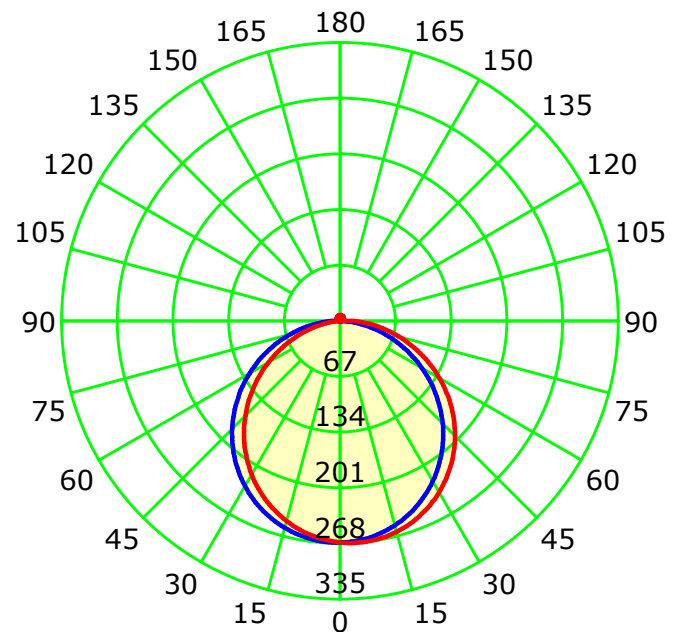
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.3°

— 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

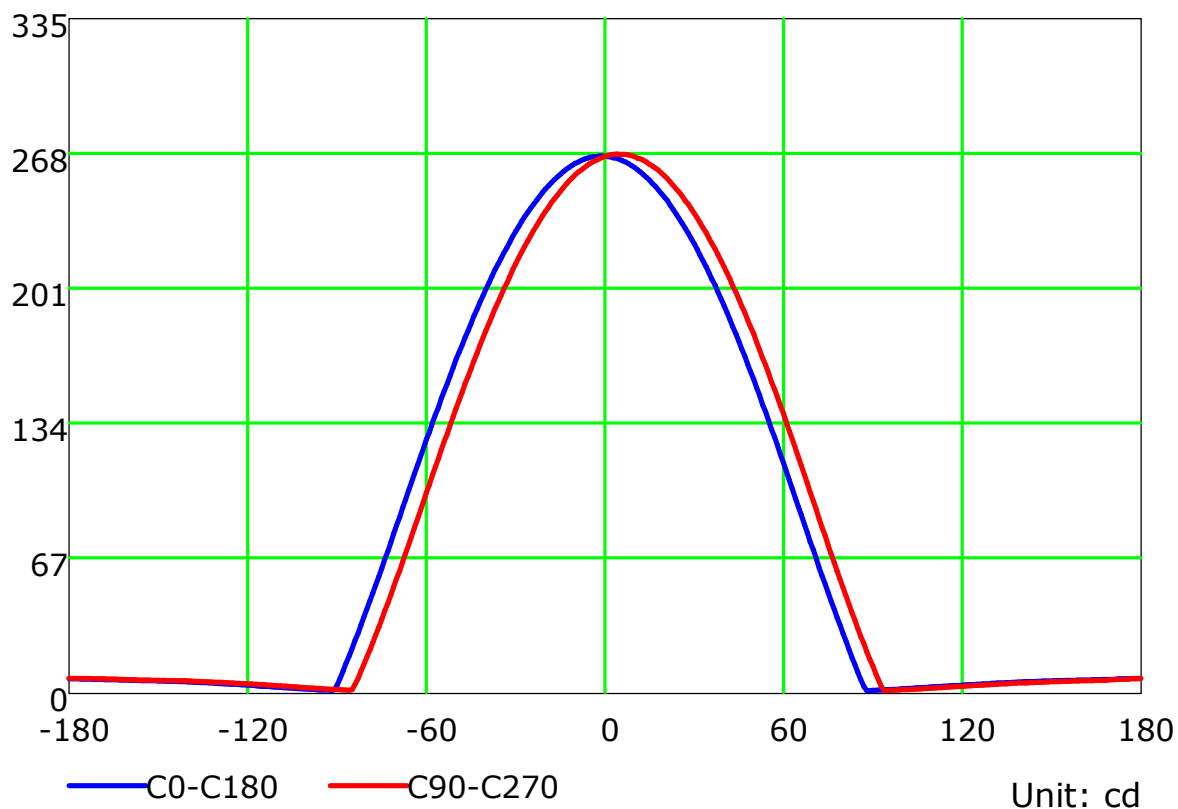
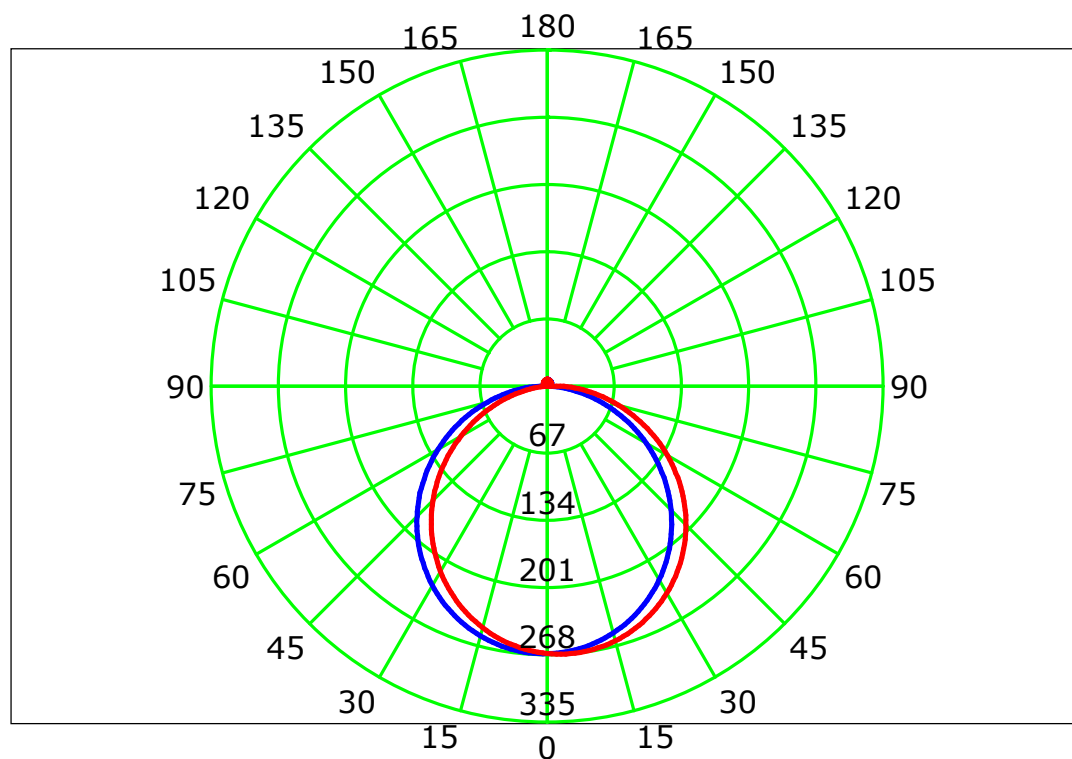
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

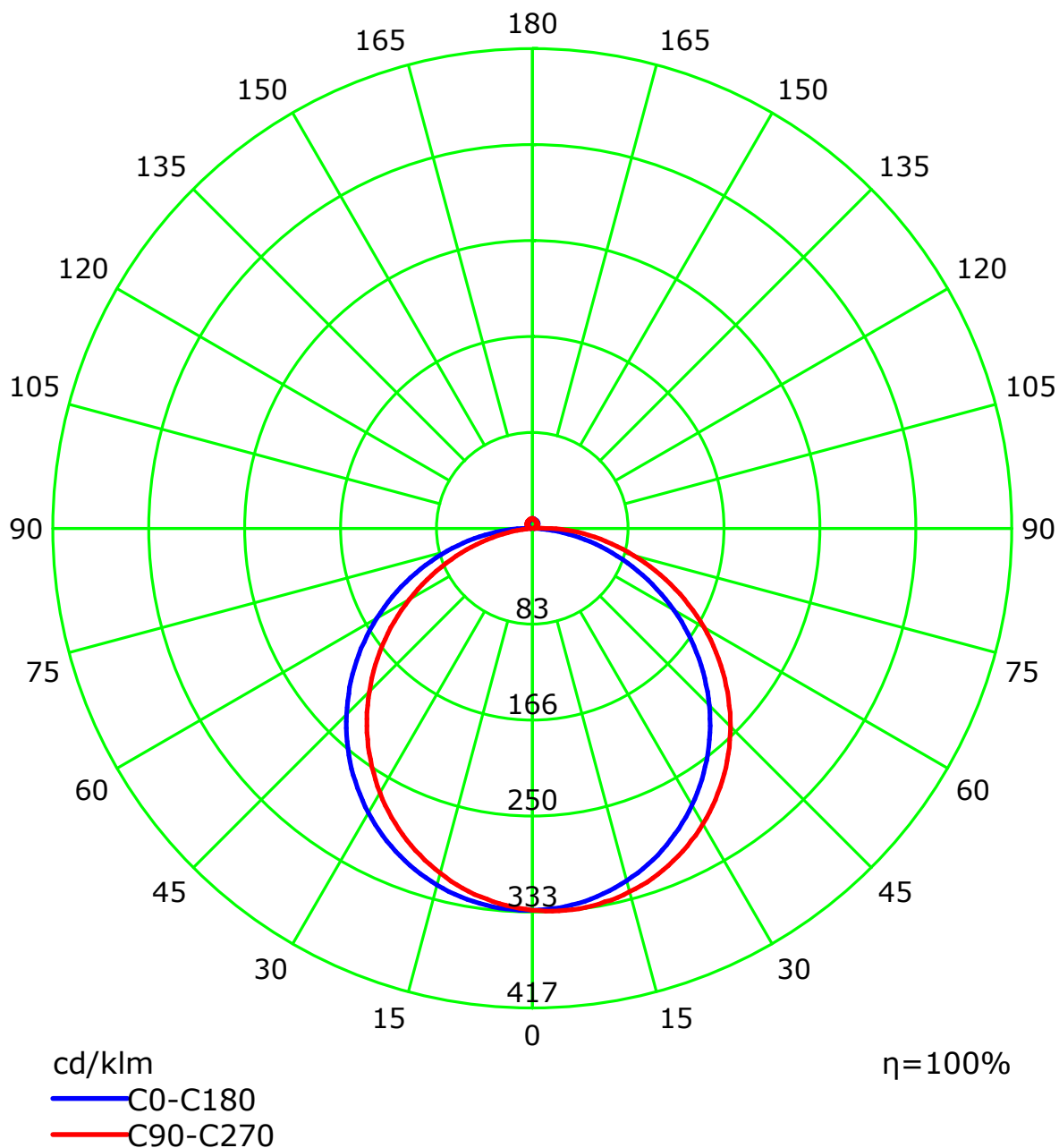


Unit: cd

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:

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:

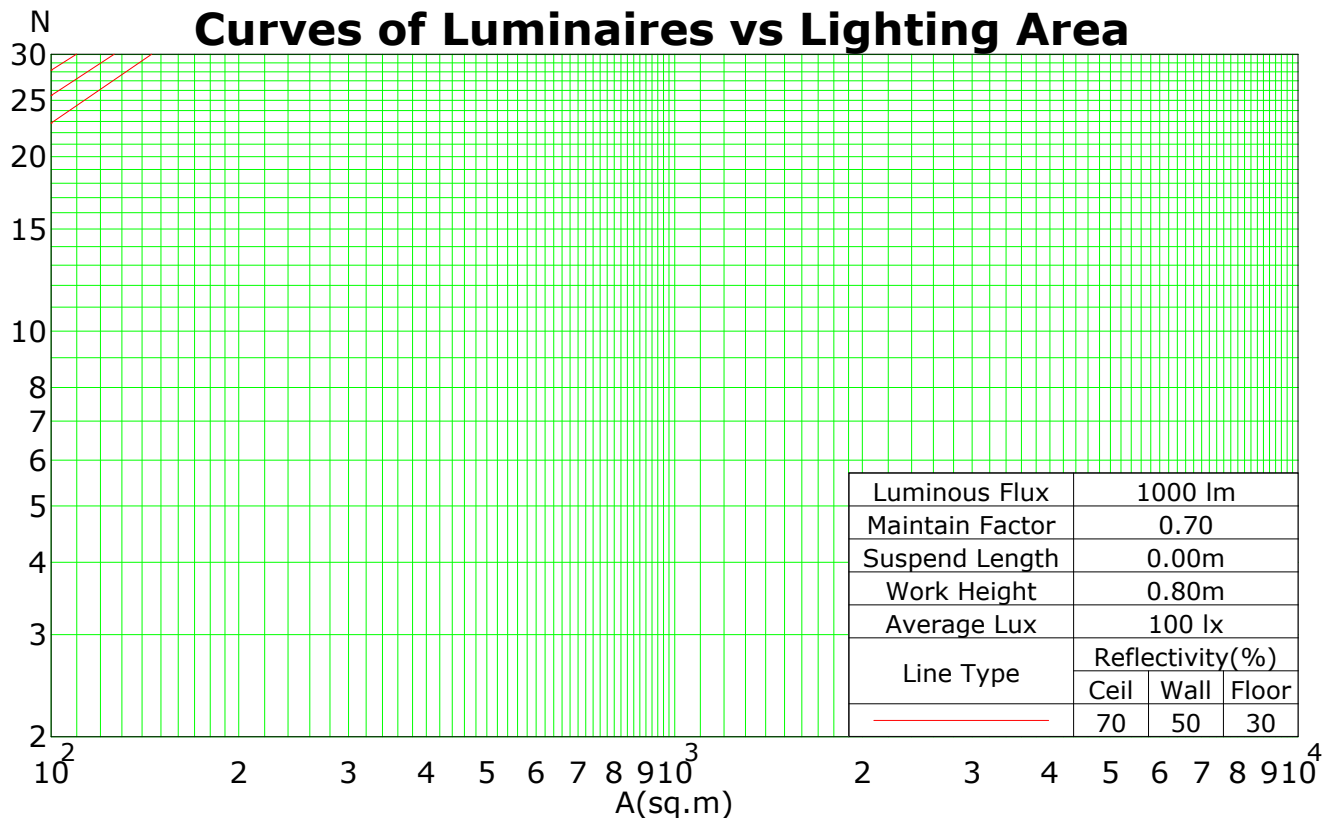
Coefficients Of Utilization - Zonal Cavity Method

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	94	105	100	96	93	95	92	89	91	88	86	87	85	83	80
2	98	89	82	76	95	87	81	75	83	78	73	79	75	71	76	72	69	67
3	89	78	70	63	86	76	69	63	73	66	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	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	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

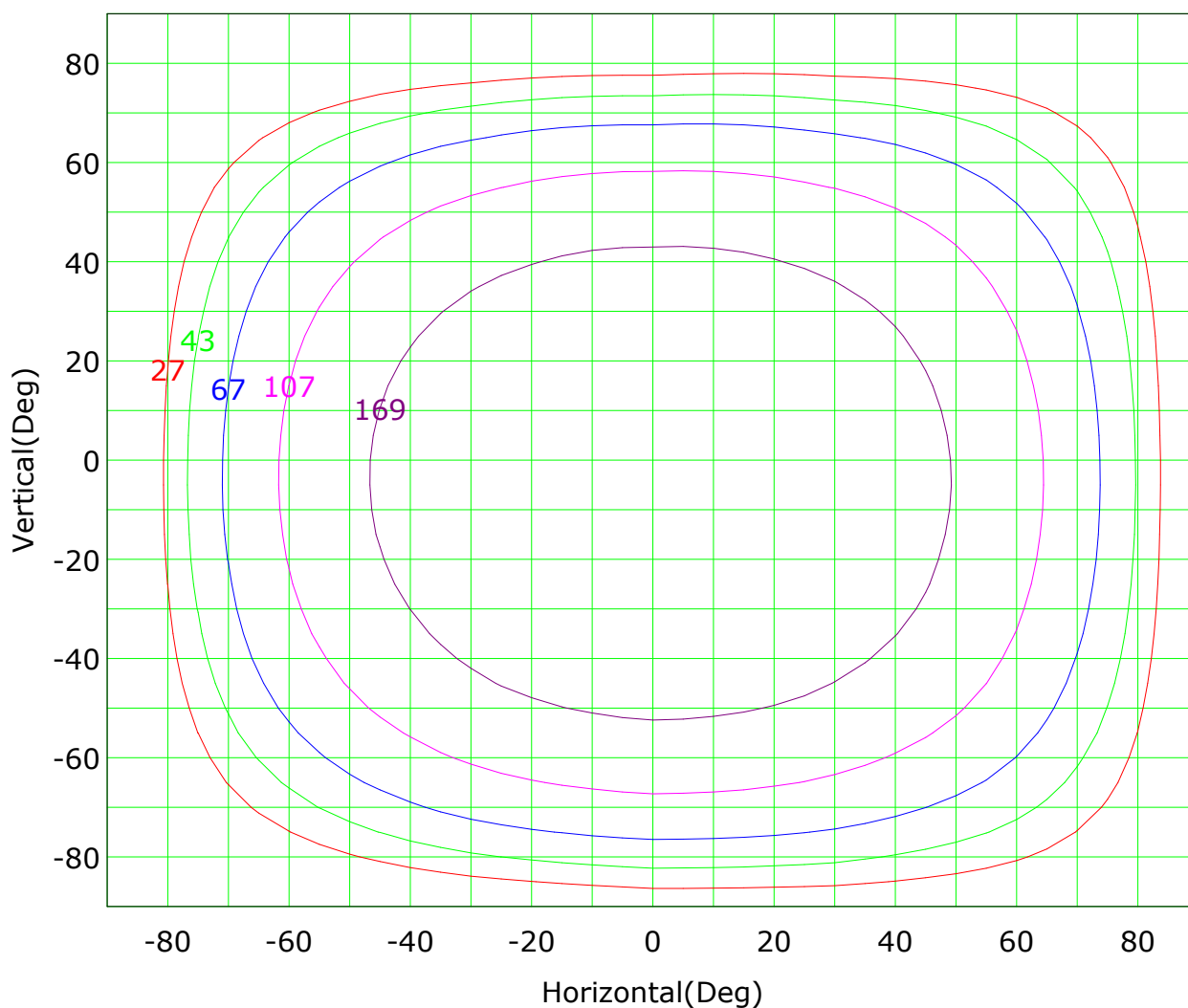
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 268 cd

(10%):	27 cd	(16%):	43 cd
(25%):	67 cd	(40%):	107 cd
(63%):	169 cd	(100%):	268 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

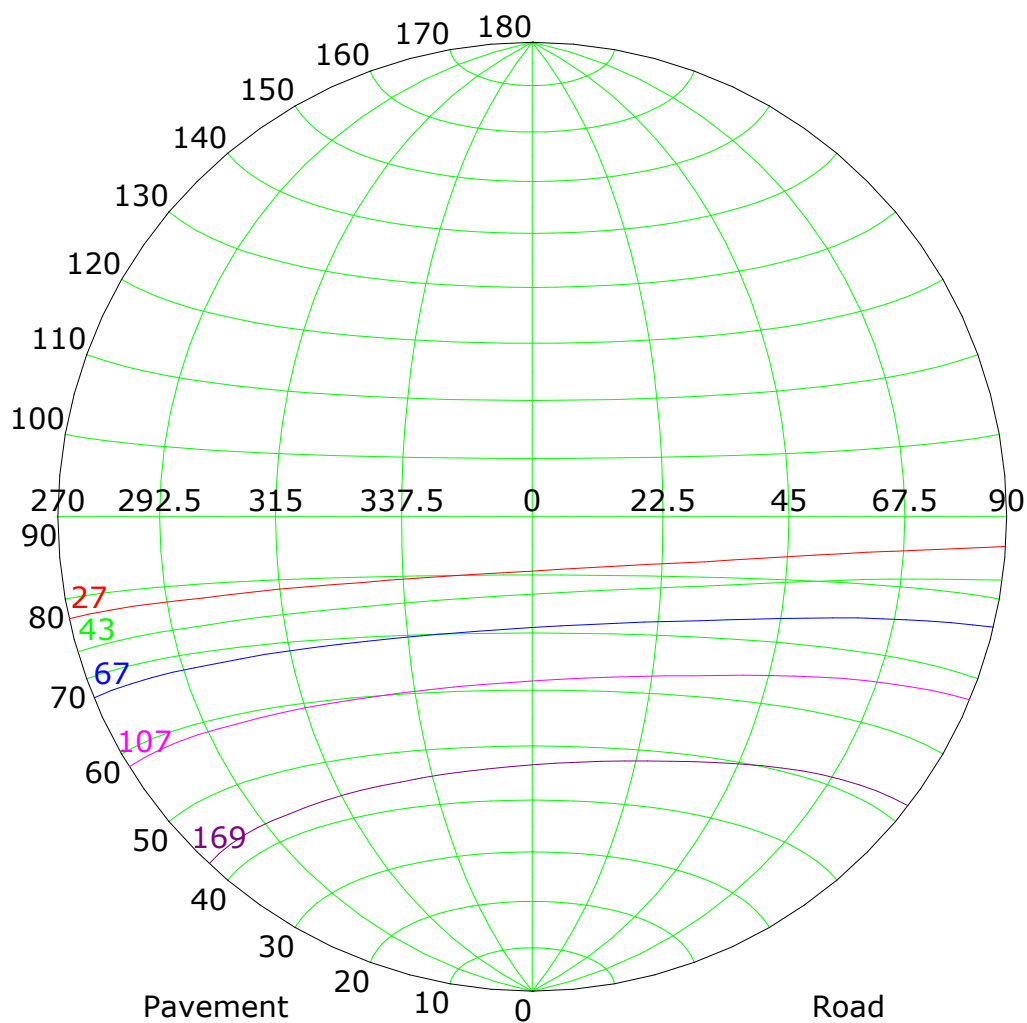
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 268 cd

(10%): 27 cd	(16%): 43 cd
(25%): 67 cd	(40%): 107 cd
(63%): 169 cd	(100%): 268 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

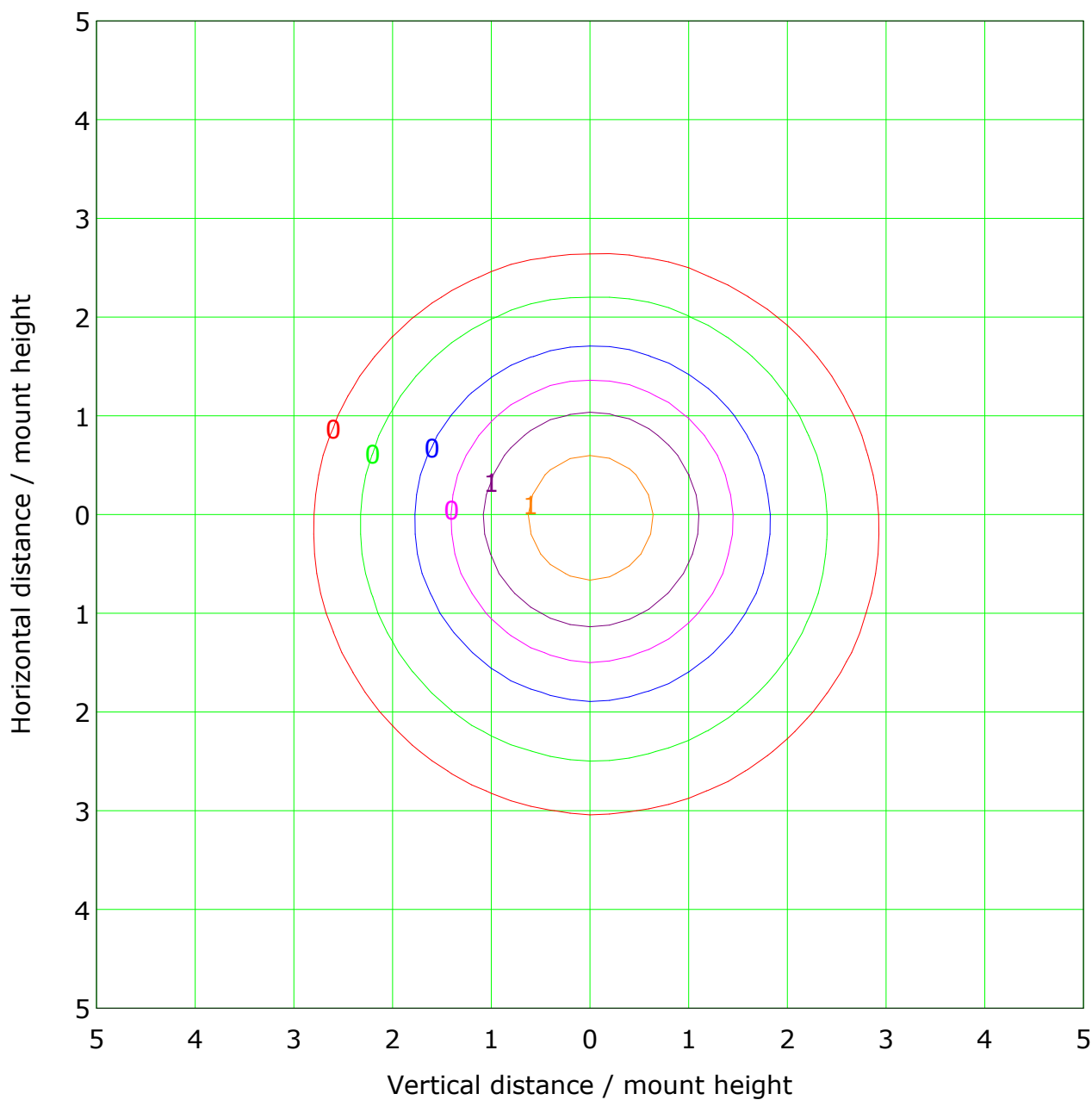
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.7 lx

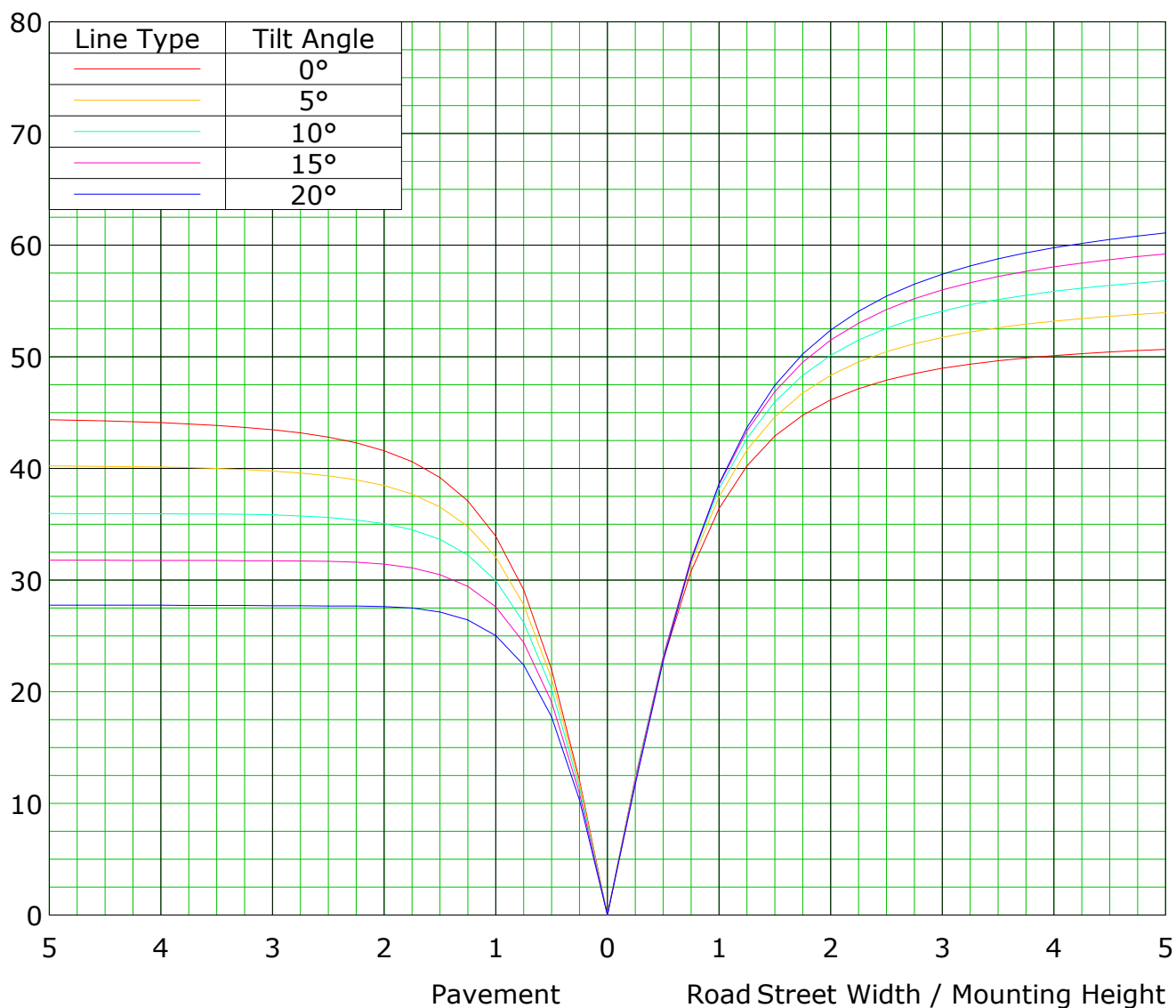
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.5 lx	(50%): 1.3 lx
(100%): 2.7 lx	

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:

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

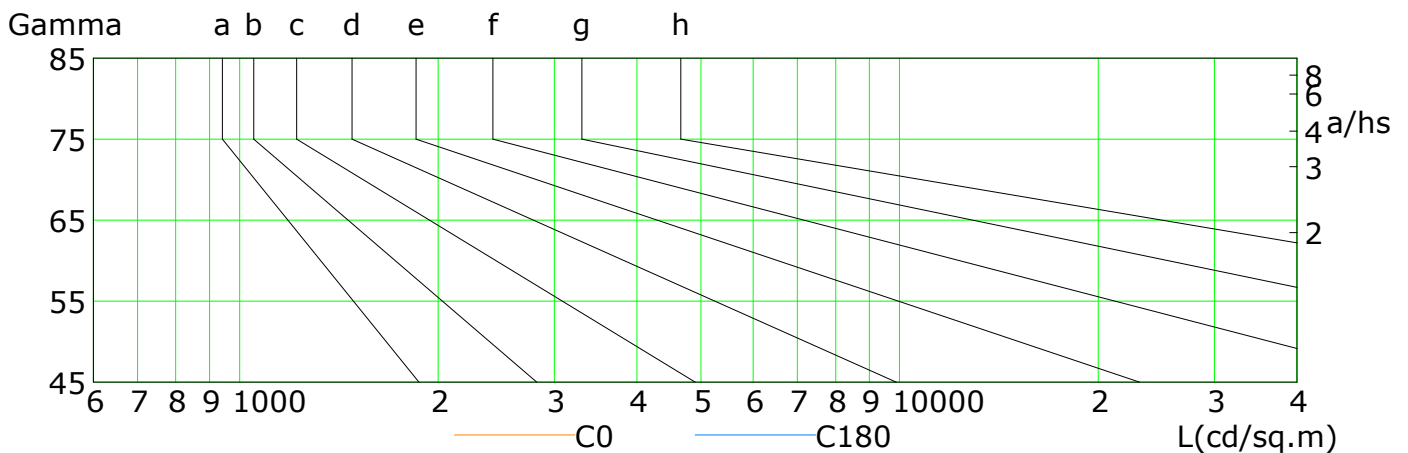
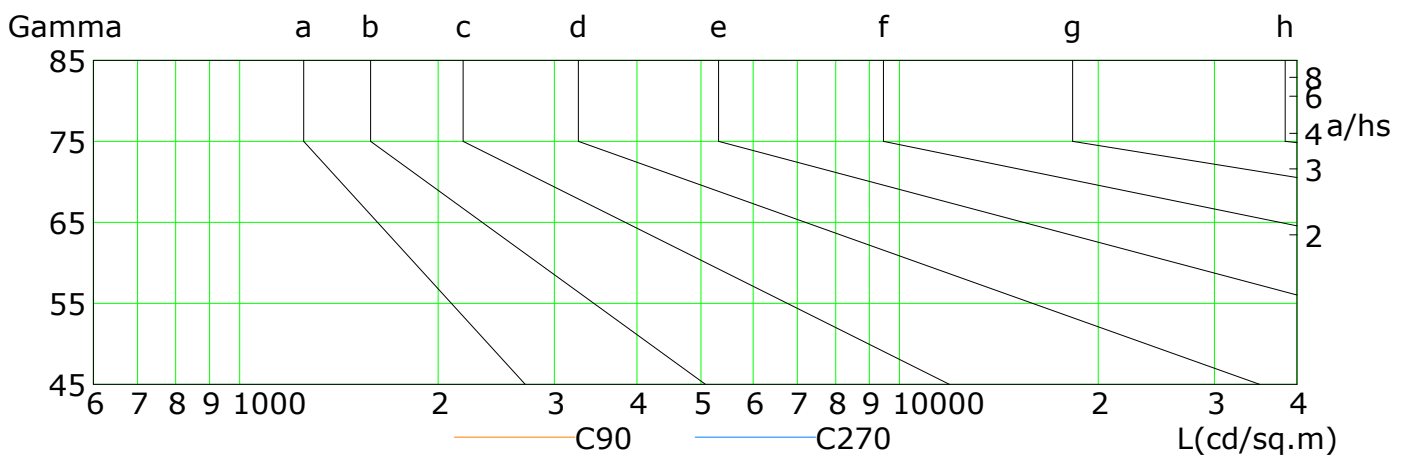
Humidity:

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	175	156	135	114	93	71	50	29	10
C90	196	178	159	139	117	95	74	52	32
C180	184	166	146	126	105	83	62	41	22
C270	161	142	121	99	78	57	37	18	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

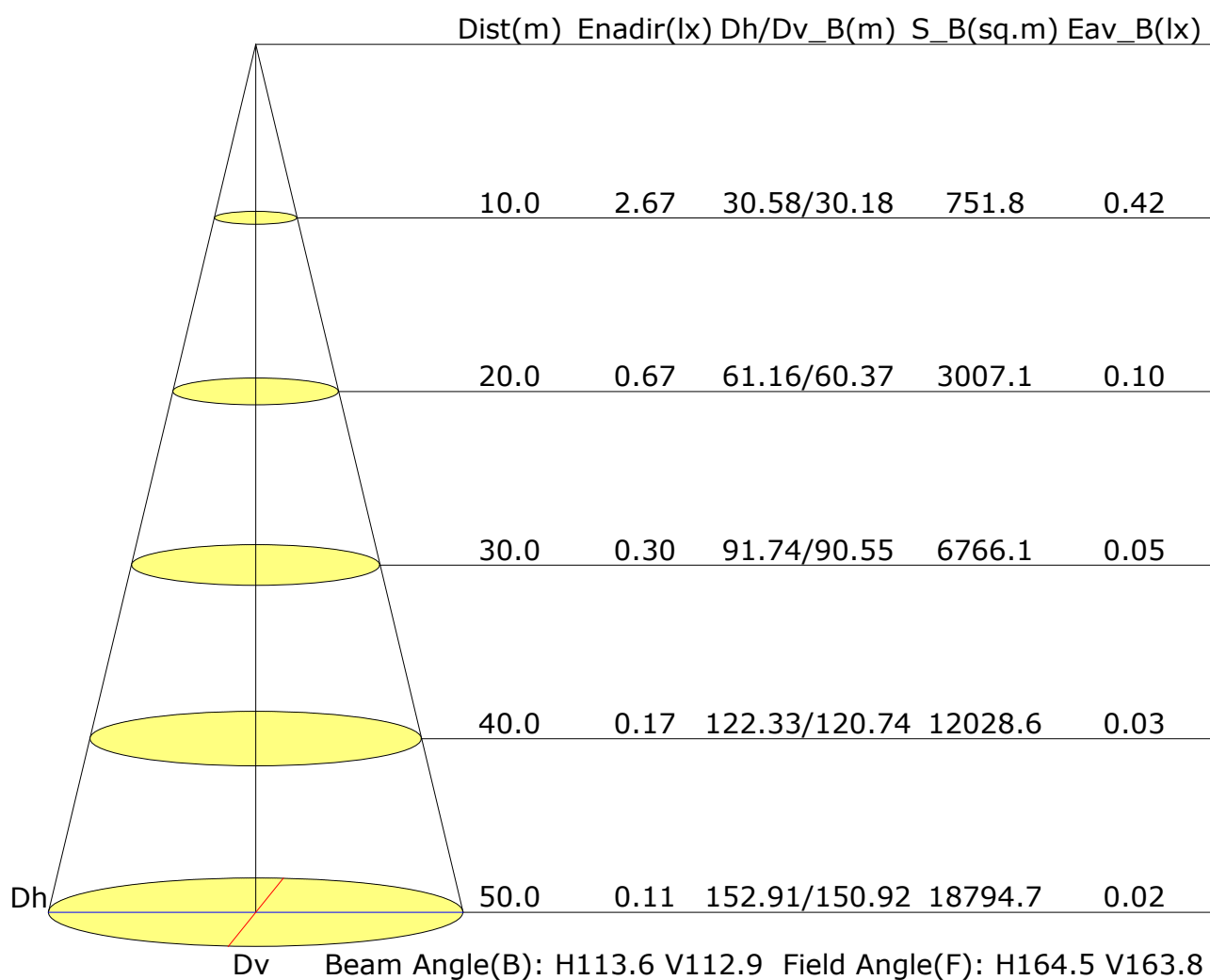
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

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

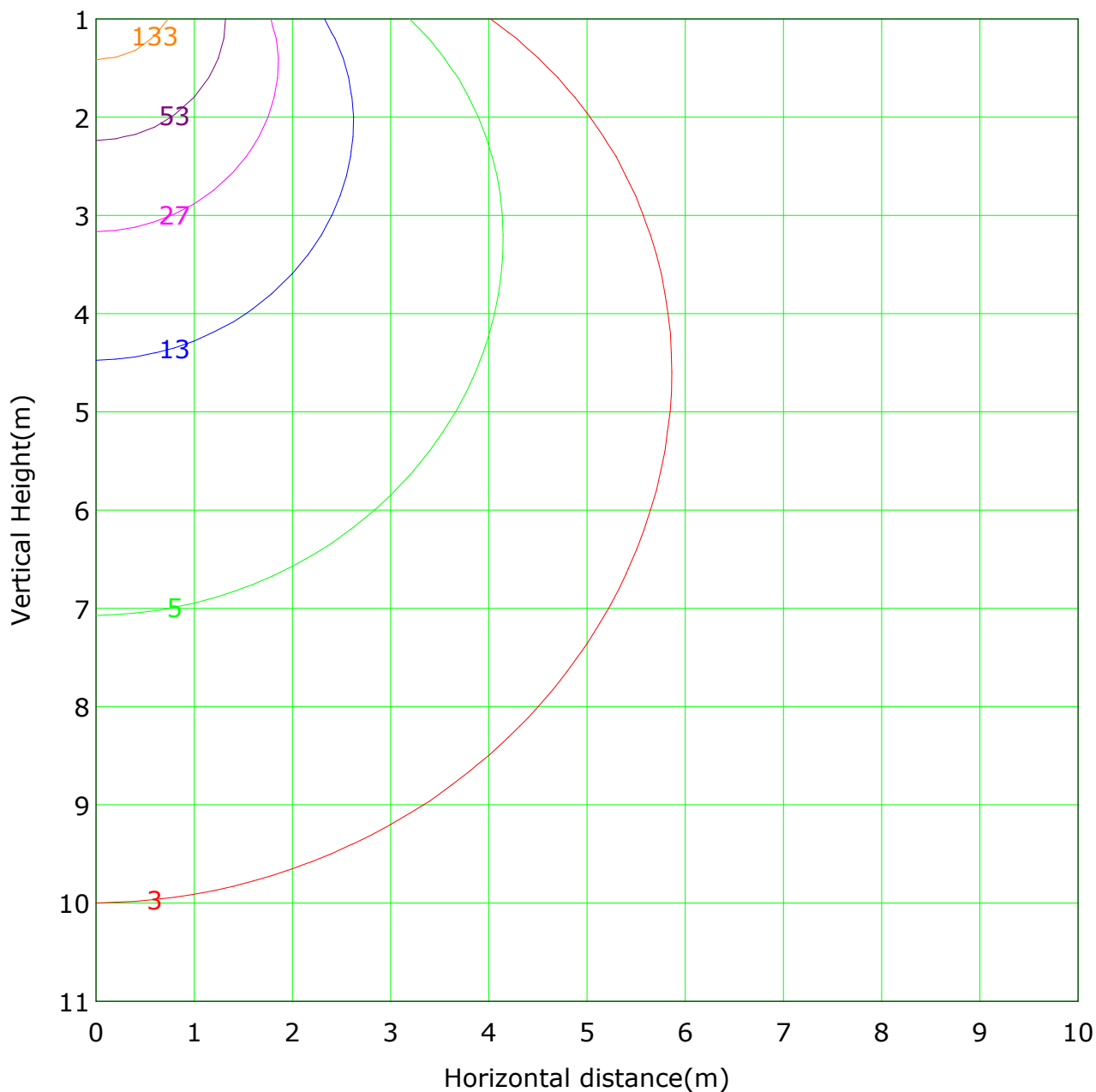
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 266.8 lx

(1%): 2.7 lx	(2%): 5.3 lx
(5%): 13.3 lx	(10%): 26.7 lx
(20%): 53.4 lx	(50%): 133.4 lx
(100%): 266.8 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:

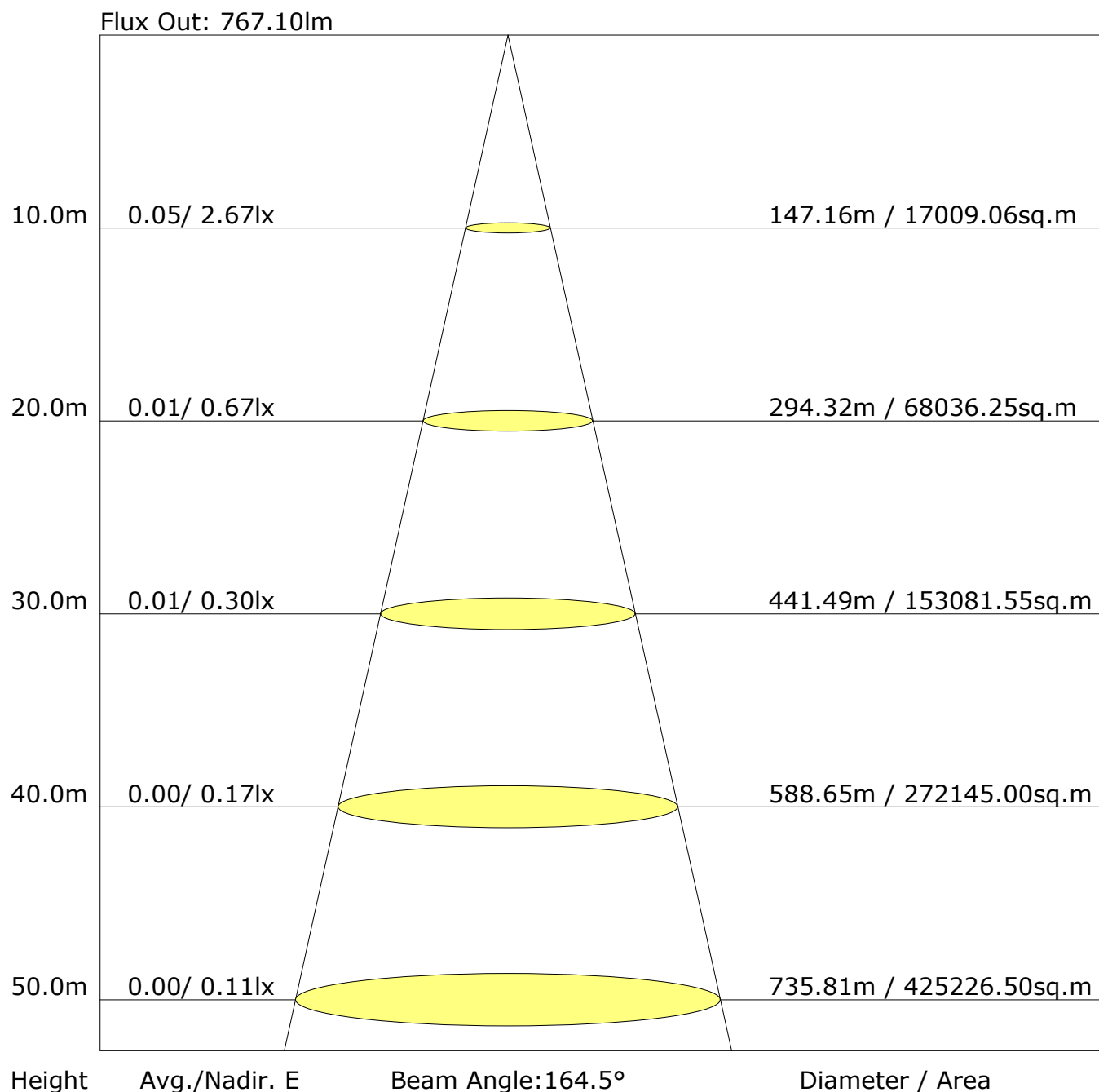
Unit: lm

Horizontal plane

Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

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:

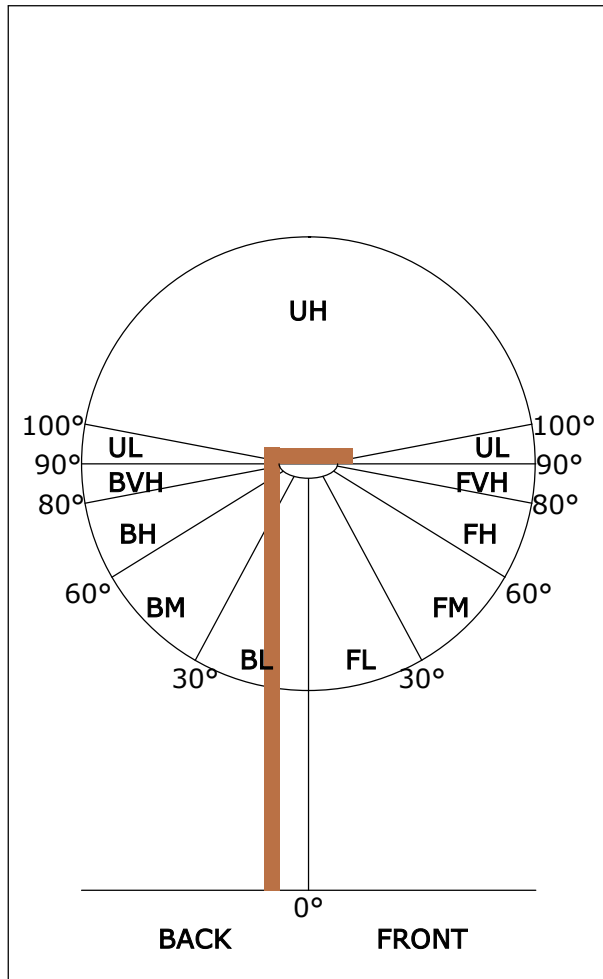
UGR Table

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 $803lm (8\log(F/F_0) = -0.8)$.

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM


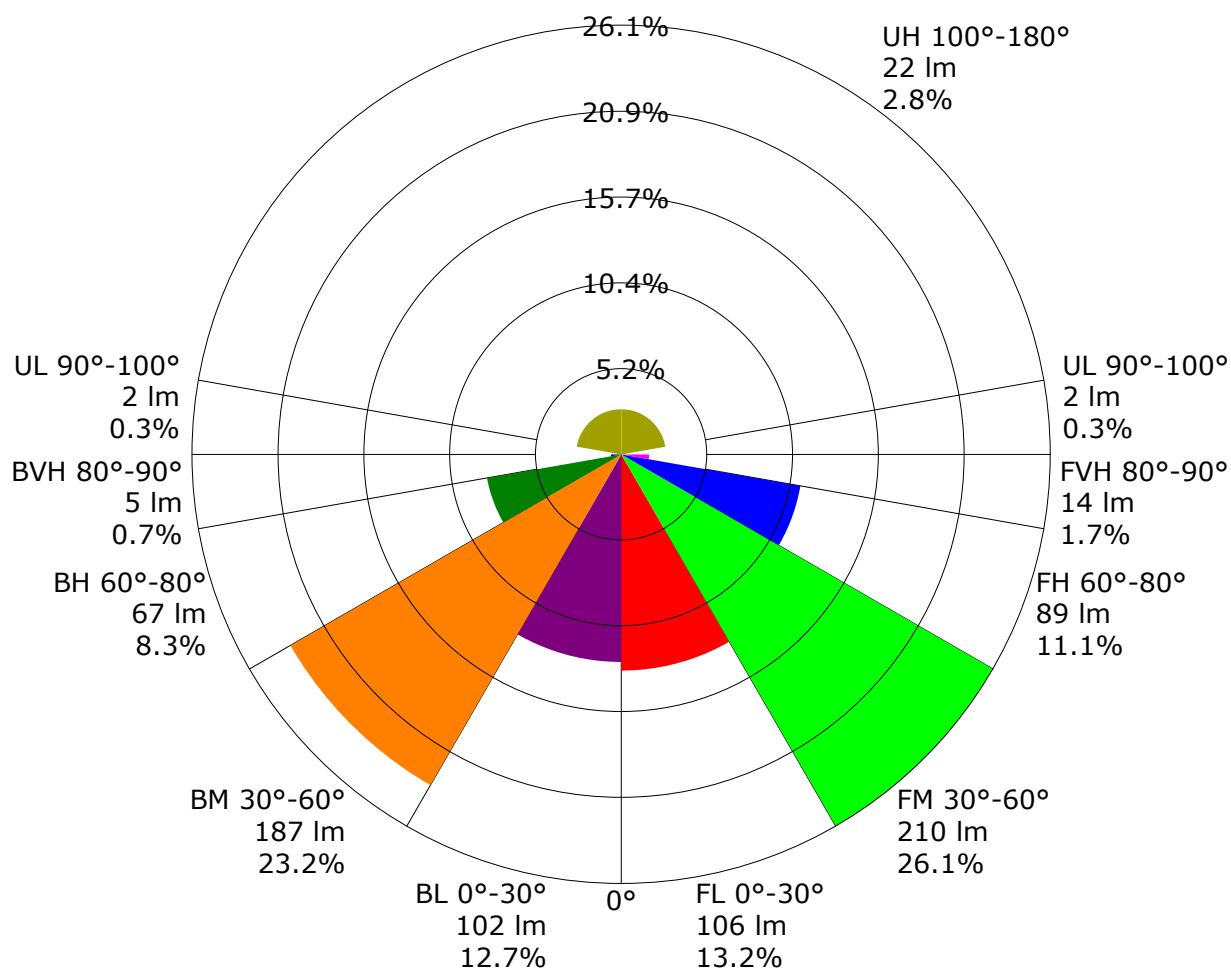
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	419	52.1
FL (0°-30°)	106	13.2
FM (30°-60°)	210	26.1
FH (60°-80°)	89	11.1
FVH (80°-90°)	14	1.7
BACK LIGHT	360	44.8
BL (0°-30°)	102	12.7
BM (30°-60°)	187	23.2
BH (60°-80°)	67	8.3
BVH (80°-90°)	5	0.7
UP LIGHT	24	3.0
UL (90°-100°)	2	0.3
UH (100°-180°)	22	2.8
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 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	0.85	0.90	0.94	0.99	1.02	
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.94	0.98	
	0.20		0.41	0.52	0.59	0.65	0.74	0.80	0.84	0.91	0.95	
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.82	0.86	0.90	0.94	0.97	
	0.30		0.46	0.56	0.63	0.69	0.76	0.82	0.85	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	0.51	0.61	0.67	0.72	0.78	0.83	0.86	0.90	0.93	
	0.30		0.45	0.55	0.62	0.67	0.74	0.79	0.82	0.87	0.90	
	0.20		0.40	0.50	0.57	0.62	0.70	0.75	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	0.79	0.83	
Rating:12W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.00	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	0.96	0.80	0.68	0.59	0.47	0.42	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.32	0.25	0.20	
	0.30		0.79	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.52	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:12W 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	0.21	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	0.11	0.12	0.14	0.15	0.17	0.18	0.19	
0.50	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	
	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	0.12	0.14	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	0.15	0.16	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:12W 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	266.9	0.3	0.3	0.03	0.03
1.0-2.0	266.8	0.8	1.0	0.10	0.13
2.0-3.0	266.6	1.3	2.3	0.16	0.29
3.0-4.0	266.3	1.8	4.1	0.22	0.51
4.0-5.0	266.0	2.3	6.4	0.28	0.79
5.0-6.0	265.5	2.8	9.2	0.35	1.14
6.0-7.0	265.0	3.3	12.4	0.41	1.55
7.0-8.0	264.3	3.8	16.2	0.47	2.02
8.0-9.0	263.6	4.3	20.5	0.53	2.55
9.0-10.0	262.7	4.8	25.3	0.59	3.14
10.0-11.0	261.8	5.2	30.5	0.65	3.80
11.0-12.0	260.8	5.7	36.2	0.71	4.51
12.0-13.0	259.7	6.2	42.4	0.77	5.27
13.0-14.0	258.5	6.6	49.0	0.82	6.10
14.0-15.0	257.2	7.1	56.0	0.88	6.98
15.0-16.0	255.8	7.5	63.5	0.93	7.91
16.0-17.0	254.3	7.9	71.4	0.99	8.89
17.0-18.0	252.8	8.3	79.8	1.04	9.93
18.0-19.0	251.1	8.7	88.5	1.09	11.02
19.0-20.0	249.4	9.1	97.6	1.14	12.16
20.0-21.0	247.6	9.5	107.2	1.18	13.34
21.0-22.0	245.7	9.9	117.0	1.23	14.57
22.0-23.0	243.7	10.2	127.3	1.27	15.84
23.0-24.0	241.6	10.6	137.8	1.32	17.16
24.0-25.0	239.4	10.9	148.7	1.36	18.51
25.0-26.0	237.3	11.2	159.9	1.39	19.91
26.0-27.0	234.9	11.5	171.4	1.43	21.34
27.0-28.0	232.5	11.8	183.2	1.47	22.81
28.0-29.0	230.1	12.0	195.2	1.50	24.30
29.0-30.0	227.6	12.3	207.5	1.53	25.83
30.0-31.0	224.9	12.5	220.0	1.56	27.39
31.0-32.0	222.2	12.7	232.8	1.59	28.98
32.0-33.0	219.4	12.9	245.7	1.61	30.59
33.0-34.0	216.6	13.1	258.8	1.63	32.22
34.0-35.0	213.6	13.3	272.1	1.65	33.87
35.0-36.0	210.6	13.4	285.5	1.67	35.54

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	207.7	13.5	299.0	1.69	37.23
37.0-38.0	204.6	13.7	312.7	1.70	38.93
38.0-39.0	201.4	13.7	326.4	1.71	40.64
39.0-40.0	198.0	13.8	340.2	1.72	42.36
40.0-41.0	194.7	13.9	354.1	1.73	44.09
41.0-42.0	191.4	13.9	368.0	1.73	45.82
42.0-43.0	187.9	13.9	381.9	1.73	47.55
43.0-44.0	184.4	13.9	395.9	1.73	49.28
44.0-45.0	180.9	13.9	409.8	1.73	51.01
45.0-46.0	177.2	13.9	423.6	1.73	52.74
46.0-47.0	173.6	13.8	437.4	1.72	54.46
47.0-48.0	169.8	13.7	451.2	1.71	56.17
48.0-49.0	166.0	13.6	464.8	1.70	57.86
49.0-50.0	162.3	13.5	478.3	1.69	59.55
50.0-51.0	158.4	13.4	491.7	1.67	61.22
51.0-52.0	154.4	13.3	505.0	1.65	62.87
52.0-53.0	150.4	13.1	518.1	1.63	64.50
53.0-54.0	146.4	12.9	531.0	1.61	66.10
54.0-55.0	142.5	12.7	543.7	1.58	67.69
55.0-56.0	138.3	12.5	556.2	1.56	69.24
56.0-57.0	134.1	12.3	568.4	1.53	70.77
57.0-58.0	130.1	12.0	580.5	1.50	72.27
58.0-59.0	125.9	11.8	592.3	1.47	73.73
59.0-60.0	121.6	11.5	603.7	1.43	75.16
60.0-61.0	117.4	11.2	615.0	1.39	76.56
61.0-62.0	113.1	10.9	625.8	1.36	77.91
62.0-63.0	108.9	10.6	636.4	1.32	79.23
63.0-64.0	104.6	10.3	646.7	1.28	80.51
64.0-65.0	100.2	9.9	656.6	1.24	81.75
65.0-66.0	96.1	9.6	666.2	1.19	82.94
66.0-67.0	91.7	9.2	675.4	1.15	84.09
67.0-68.0	87.3	8.8	684.3	1.10	85.19
68.0-69.0	83.0	8.5	692.8	1.05	86.25
69.0-70.0	78.6	8.1	700.8	1.01	87.25
70.0-71.0	74.5	7.7	708.5	0.96	88.21
71.0-72.0	70.2	7.3	715.8	0.91	89.12

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	65.9	6.9	722.7	0.86	89.98
73.0-74.0	61.9	6.5	729.2	0.81	90.79
74.0-75.0	57.7	6.1	735.3	0.76	91.55
75.0-76.0	53.5	5.7	741.0	0.71	92.25
76.0-77.0	49.3	5.3	746.3	0.65	92.91
77.0-78.0	45.2	4.8	751.1	0.60	93.51
78.0-79.0	41.3	4.4	755.5	0.55	94.06
79.0-80.0	37.3	4.0	759.5	0.50	94.56
80.0-81.0	33.2	3.6	763.1	0.45	95.01
81.0-82.0	29.5	3.2	766.3	0.40	95.41
82.0-83.0	25.6	2.8	769.1	0.35	95.75
83.0-84.0	21.8	2.4	771.5	0.30	96.05
84.0-85.0	18.1	2.0	773.5	0.25	96.29
85.0-86.0	14.7	1.6	775.1	0.20	96.49
86.0-87.0	12.0	1.3	776.4	0.16	96.66
87.0-88.0	9.5	1.0	777.4	0.13	96.79
88.0-89.0	7.3	0.8	778.2	0.10	96.89
89.0-90.0	5.6	0.6	778.8	0.08	96.96
90.0-91.0	4.1	0.4	779.3	0.06	97.02
91.0-92.0	2.9	0.3	779.6	0.04	97.06
92.0-93.0	2.0	0.2	779.8	0.03	97.09
93.0-94.0	1.6	0.2	780.0	0.02	97.11
94.0-95.0	1.5	0.2	780.2	0.02	97.13
95.0-96.0	1.6	0.2	780.3	0.02	97.15
96.0-97.0	1.7	0.2	780.5	0.02	97.17
97.0-98.0	1.8	0.2	780.7	0.02	97.20
98.0-99.0	1.8	0.2	780.9	0.02	97.22
99.0-100.0	1.9	0.2	781.1	0.03	97.25
100.0-101.0	2.0	0.2	781.3	0.03	97.27
101.0-102.0	2.1	0.2	781.6	0.03	97.30
102.0-103.0	2.2	0.2	781.8	0.03	97.33
103.0-104.0	2.3	0.2	782.0	0.03	97.36
104.0-105.0	2.4	0.2	782.3	0.03	97.39
105.0-106.0	2.5	0.3	782.6	0.03	97.42
106.0-107.0	2.5	0.3	782.8	0.03	97.46
107.0-108.0	2.6	0.3	783.1	0.03	97.49

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	2.7	0.3	783.4	0.04	97.53
109.0-110.0	2.8	0.3	783.7	0.04	97.56
110.0-111.0	2.9	0.3	784.0	0.04	97.60
111.0-112.0	3.0	0.3	784.3	0.04	97.64
112.0-113.0	3.1	0.3	784.6	0.04	97.68
113.0-114.0	3.2	0.3	784.9	0.04	97.72
114.0-115.0	3.3	0.3	785.2	0.04	97.76
115.0-116.0	3.4	0.3	785.6	0.04	97.80
116.0-117.0	3.5	0.3	785.9	0.04	97.84
117.0-118.0	3.6	0.3	786.3	0.04	97.88
118.0-119.0	3.6	0.4	786.6	0.04	97.93
119.0-120.0	3.7	0.4	787.0	0.04	97.97
120.0-121.0	3.8	0.4	787.3	0.04	98.02
121.0-122.0	3.9	0.4	787.7	0.05	98.06
122.0-123.0	4.0	0.4	788.0	0.05	98.11
123.0-124.0	4.1	0.4	788.4	0.05	98.15
124.0-125.0	4.1	0.4	788.8	0.05	98.20
125.0-126.0	4.2	0.4	789.2	0.05	98.25
126.0-127.0	4.3	0.4	789.5	0.05	98.29
127.0-128.0	4.4	0.4	789.9	0.05	98.34
128.0-129.0	4.4	0.4	790.3	0.05	98.39
129.0-130.0	4.5	0.4	790.7	0.05	98.44
130.0-131.0	4.6	0.4	791.1	0.05	98.49
131.0-132.0	4.7	0.4	791.5	0.05	98.53
132.0-133.0	4.8	0.4	791.8	0.05	98.58
133.0-134.0	4.8	0.4	792.2	0.05	98.63
134.0-135.0	4.9	0.4	792.6	0.05	98.68
135.0-136.0	5.0	0.4	793.0	0.05	98.72
136.0-137.0	5.0	0.4	793.4	0.05	98.77
137.0-138.0	5.1	0.4	793.8	0.05	98.82
138.0-139.0	5.2	0.4	794.1	0.05	98.87
139.0-140.0	5.2	0.4	794.5	0.05	98.91
140.0-141.0	5.3	0.4	794.9	0.05	98.96
141.0-142.0	5.4	0.4	795.2	0.05	99.00
142.0-143.0	5.4	0.4	795.6	0.05	99.05
143.0-144.0	5.5	0.4	796.0	0.04	99.09

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	5.5	0.4	796.3	0.04	99.14
145.0-146.0	5.6	0.3	796.7	0.04	99.18
146.0-147.0	5.6	0.3	797.0	0.04	99.22
147.0-148.0	5.7	0.3	797.3	0.04	99.27
148.0-149.0	5.7	0.3	797.7	0.04	99.31
149.0-150.0	5.8	0.3	798.0	0.04	99.35
150.0-151.0	5.8	0.3	798.3	0.04	99.39
151.0-152.0	5.9	0.3	798.6	0.04	99.42
152.0-153.0	5.9	0.3	798.9	0.04	99.46
153.0-154.0	6.0	0.3	799.2	0.04	99.50
154.0-155.0	6.0	0.3	799.5	0.04	99.53
155.0-156.0	6.0	0.3	799.8	0.03	99.57
156.0-157.0	6.1	0.3	800.0	0.03	99.60
157.0-158.0	6.1	0.3	800.3	0.03	99.63
158.0-159.0	6.2	0.2	800.5	0.03	99.66
159.0-160.0	6.2	0.2	800.8	0.03	99.69
160.0-161.0	6.3	0.2	801.0	0.03	99.72
161.0-162.0	6.3	0.2	801.2	0.03	99.75
162.0-163.0	6.4	0.2	801.4	0.03	99.77
163.0-164.0	6.4	0.2	801.6	0.02	99.80
164.0-165.0	6.4	0.2	801.8	0.02	99.82
165.0-166.0	6.5	0.2	802.0	0.02	99.85
166.0-167.0	6.5	0.2	802.2	0.02	99.87
167.0-168.0	6.5	0.2	802.3	0.02	99.89
168.0-169.0	6.6	0.1	802.5	0.02	99.90
169.0-170.0	6.6	0.1	802.6	0.02	99.92
170.0-171.0	6.7	0.1	802.7	0.02	99.93
171.0-172.0	6.7	0.1	802.8	0.01	99.95
172.0-173.0	6.7	0.1	802.9	0.01	99.96
173.0-174.0	6.8	0.1	803.0	0.01	99.97
174.0-175.0	6.8	0.1	803.1	0.01	99.98
175.0-176.0	6.9	0.1	803.1	0.01	99.99
176.0-177.0	6.9	0.0	803.2	0.01	99.99
177.0-178.0	6.9	0.0	803.2	0.00	100.00
178.0-179.0	7.0	0.0	803.2	0.00	100.00
179.0-180.0	7.0	0.0	803.2	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	266.8	266.7	266.7	266.8	267.0	267.4	266.8	266.7	266.7	266.8
G1.0	266.6	266.9	267.1	267.1	267.5	267.7	266.9	266.7	266.4	266.1
G2.0	266.5	266.8	267.3	267.6	267.8	267.9	266.9	266.3	265.9	265.5
G3.0	266.0	266.7	267.4	267.8	268.0	268.1	266.6	266.0	265.2	264.8
G4.0	265.8	266.4	267.2	267.9	268.0	268.0	266.5	265.6	264.7	264.1
G5.0	265.2	266.2	267.1	267.8	268.1	267.9	266.3	265.0	264.0	263.3
G6.0	264.5	265.6	267.1	267.8	268.0	267.6	265.8	264.4	263.2	262.3
G7.0	263.9	265.2	266.7	267.7	267.8	267.3	265.3	263.8	262.2	261.0
G8.0	263.1	264.5	266.3	267.5	267.5	266.9	264.6	263.1	261.0	260.0
G9.0	262.2	263.8	265.9	267.1	267.3	266.4	263.9	262.2	260.1	258.9
G10.0	261.2	263.0	265.4	266.7	266.8	265.9	263.2	261.2	258.8	257.6
G11.0	260.0	262.2	264.5	265.7	266.2	265.1	262.2	260.0	257.5	256.1
G12.0	258.9	261.1	263.9	265.5	265.6	264.4	261.3	258.9	256.2	254.6
G13.0	257.7	260.1	263.0	264.8	264.8	263.6	260.4	257.7	254.8	253.1
G14.0	256.2	259.0	262.0	263.9	263.9	262.6	259.1	256.4	253.2	251.1
G15.0	254.9	257.8	261.0	262.8	263.0	261.5	257.9	254.9	251.7	249.4
G16.0	253.2	256.3	259.8	262.0	261.8	260.4	256.6	253.3	249.8	247.5
G17.0	251.9	255.0	258.6	260.9	260.9	259.3	255.1	251.8	247.9	245.6
G18.0	250.1	253.5	257.3	259.9	259.7	258.0	253.8	250.2	246.1	243.8
G19.0	248.3	251.8	255.8	258.4	258.3	256.4	252.1	248.4	243.9	241.4
G20.0	246.4	250.1	254.4	257.1	257.0	255.1	250.5	246.5	242.0	239.4
G21.0	244.7	248.5	252.8	255.7	255.4	253.5	248.8	244.6	239.9	237.2
G22.0	242.4	246.3	251.0	254.1	253.8	251.7	246.8	242.6	237.6	234.8
G23.0	240.3	244.6	249.4	252.3	252.4	250.1	245.0	240.6	235.5	232.4
G24.0	238.0	242.2	247.5	250.6	250.4	248.1	242.9	238.2	233.0	229.9
G25.0	235.8	240.3	245.6	249.0	248.6	246.2	241.0	236.1	230.4	227.2
G26.0	233.5	238.1	243.7	247.1	246.8	244.2	238.9	233.8	228.1	224.8
G27.0	230.9	235.7	241.3	244.7	244.6	242.1	236.6	231.3	225.3	221.8
G28.0	228.5	233.4	239.3	243.0	242.7	239.9	234.4	228.8	222.8	219.1
G29.0	226.0	231.0	237.0	240.8	240.6	237.6	231.9	226.3	220.0	216.4
G30.0	223.2	228.4	234.7	238.5	238.3	235.3	229.4	223.5	217.1	213.3
G31.0	220.6	226.0	232.3	236.2	236.1	232.9	226.9	220.9	214.2	210.4
G32.0	217.6	223.0	229.7	233.8	233.5	230.3	224.2	217.9	211.1	207.1
G33.0	214.8	220.4	227.1	231.2	231.1	227.8	221.5	215.1	208.1	203.8
G34.0	211.9	217.5	224.5	228.9	228.6	225.2	218.7	212.3	205.1	200.9
G35.0	208.7	214.6	221.7	226.0	225.6	222.3	215.8	209.1	201.7	197.3
G36.0	205.6	211.6	218.9	223.5	223.1	219.4	213.1	206.1	198.6	194.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	202.7	208.8	216.1	220.7	220.4	217.0	210.2	203.1	195.4	190.9
G38.0	199.3	205.5	213.0	217.8	217.5	213.9	207.1	199.8	191.9	187.2
G39.0	196.1	202.4	210.0	215.0	214.6	211.1	203.9	196.6	188.5	183.8
G40.0	192.5	199.0	206.7	211.8	211.4	207.8	200.7	193.1	184.7	180.0
G41.0	189.1	195.8	203.6	208.8	208.3	204.8	197.4	189.7	181.3	176.5
G42.0	185.7	192.5	200.4	205.9	205.4	201.6	194.2	186.4	177.8	172.9
G43.0	182.0	188.8	196.9	202.3	202.1	198.3	190.8	182.9	174.0	169.0
G44.0	178.6	185.4	193.8	199.3	198.9	195.0	187.5	179.4	170.7	165.2
G45.0	174.9	182.0	190.3	195.9	195.5	191.6	183.7	175.6	166.5	161.1
G46.0	171.1	178.1	186.7	192.4	192.1	187.9	180.2	171.9	162.8	157.3
G47.0	167.5	174.7	183.3	189.1	188.8	184.6	176.7	168.4	159.0	153.7
G48.0	163.3	170.5	179.4	185.2	185.1	180.6	172.8	164.4	155.0	149.4
G49.0	159.7	167.0	175.9	181.8	181.7	177.4	169.4	160.8	151.1	145.6
G50.0	155.8	163.4	172.3	178.3	178.0	173.7	165.8	156.9	147.4	141.5
G51.0	151.7	159.2	168.3	174.3	174.1	169.9	161.7	152.9	143.0	137.3
G52.0	147.9	155.4	164.6	170.7	170.5	166.1	157.9	149.0	139.2	133.3
G53.0	143.4	151.0	160.4	166.7	166.4	162.1	153.9	144.8	134.7	128.9
G54.0	139.6	147.2	156.6	162.9	162.7	158.4	150.0	141.0	130.8	125.0
G55.0	135.5	143.2	152.5	159.0	159.0	154.5	146.3	137.1	126.8	120.9
G56.0	131.1	138.9	148.4	154.7	154.6	150.4	141.9	132.7	122.3	116.4
G57.0	127.1	134.9	144.5	150.9	150.9	146.5	138.1	128.7	118.2	112.2
G58.0	123.0	130.6	140.4	147.0	146.7	142.6	134.2	124.8	114.2	108.2
G59.0	118.6	126.4	136.1	142.8	142.7	138.1	129.7	120.2	109.6	103.5
G60.0	114.3	122.1	131.9	138.7	138.5	134.2	125.9	116.2	105.6	99.4
G61.0	109.9	117.7	127.5	134.3	134.3	129.9	121.3	111.9	100.9	94.9
G62.0	105.6	113.7	123.2	130.1	130.3	125.7	117.3	107.7	96.8	90.7
G63.0	101.4	109.4	119.2	126.1	126.1	121.7	113.3	103.6	92.8	86.6
G64.0	96.8	104.7	114.5	121.5	121.4	117.0	108.9	99.0	88.3	82.1
G65.0	92.7	100.6	110.4	117.3	117.4	113.0	104.7	94.9	84.0	77.7
G66.0	88.6	96.5	106.2	113.1	113.3	108.8	100.7	90.7	79.9	73.7
G67.0	83.9	91.8	101.6	108.6	108.6	104.3	96.0	86.2	75.3	69.2
G68.0	79.6	87.6	97.3	104.3	104.5	100.0	91.9	82.1	71.3	65.1
G69.0	75.1	82.9	92.7	99.7	99.8	95.6	87.3	77.6	66.7	60.6
G70.0	71.1	78.8	88.4	95.3	95.5	91.1	83.3	73.6	62.7	56.7
G71.0	66.8	74.5	84.2	91.1	91.4	87.2	79.0	69.3	58.6	52.6
G72.0	62.2	69.9	79.5	86.5	86.8	82.5	74.6	65.0	54.4	48.4
G73.0	58.2	65.9	75.4	82.3	82.5	78.4	70.3	60.9	50.3	44.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	54.1	61.9	71.2	78.0	78.4	74.2	66.3	57.0	46.5	40.7
G75.0	49.9	57.4	66.6	73.5	73.8	69.8	61.8	52.8	42.4	36.6
G76.0	45.8	53.2	62.4	69.3	69.5	65.5	57.8	48.8	38.5	32.7
G77.0	41.6	48.9	58.1	64.8	65.1	61.1	53.6	44.6	34.5	28.7
G78.0	37.5	44.9	53.9	60.6	60.9	56.9	49.6	40.6	30.6	24.9
G79.0	33.8	41.0	50.0	56.7	56.9	53.1	45.8	36.9	27.0	21.3
G80.0	29.4	36.7	45.6	52.2	52.4	48.6	41.4	32.8	23.1	17.6
G81.0	25.7	32.9	41.7	48.2	48.5	44.8	37.6	29.0	19.5	14.0
G82.0	21.8	29.0	37.7	44.2	44.5	40.7	33.7	25.2	16.0	10.7
G83.0	17.8	24.9	33.6	40.0	40.2	36.6	29.6	21.3	12.3	7.1
G84.0	14.0	21.3	29.7	36.0	36.4	32.6	25.9	17.8	9.0	4.1
G85.0	10.1	17.3	25.7	31.9	32.1	28.5	21.9	13.8	5.7	1.5
G86.0	6.6	13.6	21.9	28.0	28.4	24.6	18.1	10.5	2.8	1.3
G87.0	3.1	10.1	18.3	24.4	24.5	20.9	14.6	7.1	1.3	1.3
G88.0	1.0	6.3	14.6	20.3	20.4	16.7	10.7	3.8	1.4	1.4
G89.0	1.1	3.0	11.1	16.7	16.7	13.1	7.3	1.5	1.5	1.5
G90.0	1.2	1.2	7.8	13.3	13.1	9.5	3.7	1.3	1.5	1.6
G91.0	1.3	1.3	4.2	9.4	9.2	5.7	1.4	1.4	1.6	1.6
G92.0	1.3	1.3	1.7	6.2	5.9	2.7	1.2	1.5	1.7	1.7
G93.0	1.4	1.3	1.2	2.7	2.4	1.1	1.3	1.5	1.8	1.8
G94.0	1.5	1.4	1.2	1.0	1.1	1.2	1.3	1.6	1.9	1.9
G95.0	1.5	1.4	1.3	1.1	1.2	1.3	1.4	1.7	2.0	2.0
G96.0	1.6	1.5	1.4	1.1	1.2	1.3	1.4	1.8	2.1	2.1
G97.0	1.7	1.6	1.5	1.2	1.3	1.4	1.5	1.9	2.2	2.2
G98.0	1.7	1.6	1.5	1.3	1.4	1.5	1.6	1.9	2.2	2.3
G99.0	1.9	1.7	1.6	1.4	1.4	1.5	1.6	2.0	2.3	2.4
G100.0	1.9	1.8	1.6	1.4	1.5	1.6	1.8	2.1	2.5	2.5
G101.0	2.0	1.9	1.7	1.5	1.6	1.7	1.9	2.2	2.5	2.6
G102.0	2.1	1.9	1.8	1.6	1.7	1.7	2.0	2.3	2.6	2.7
G103.0	2.2	2.0	1.9	1.6	1.7	1.8	2.1	2.4	2.7	2.8
G104.0	2.3	2.1	1.9	1.8	1.8	1.9	2.1	2.5	2.7	2.9
G105.0	2.4	2.2	2.0	1.8	1.9	2.0	2.3	2.6	2.9	3.0
G106.0	2.5	2.3	2.1	1.9	2.0	2.1	2.4	2.7	3.0	3.1
G107.0	2.6	2.4	2.2	2.0	2.1	2.2	2.5	2.8	3.1	3.2
G108.0	2.7	2.4	2.3	2.1	2.1	2.3	2.5	2.9	3.2	3.3
G109.0	2.7	2.5	2.4	2.2	2.2	2.3	2.6	3.0	3.3	3.4
G110.0	2.9	2.6	2.4	2.3	2.3	2.5	2.7	3.0	3.4	3.5

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 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	3.0	2.7	2.5	2.3	2.4	2.5	2.8	3.1	3.5	3.6
G112.0	3.0	2.8	2.6	2.4	2.5	2.6	2.9	3.2	3.6	3.7
G113.0	3.2	2.8	2.7	2.5	2.5	2.7	3.0	3.3	3.7	3.8
G114.0	3.2	2.9	2.8	2.6	2.6	2.8	3.1	3.5	3.8	3.9
G115.0	3.3	3.0	2.9	2.7	2.7	2.8	3.2	3.6	3.9	4.0
G116.0	3.4	3.2	3.0	2.8	2.8	2.9	3.3	3.6	3.9	4.1
G117.0	3.5	3.3	3.0	2.9	3.0	3.0	3.5	3.7	4.0	4.2
G118.0	3.6	3.3	3.2	3.0	3.0	3.0	3.5	3.8	4.1	4.3
G119.0	3.7	3.4	3.2	3.1	3.1	3.1	3.7	3.9	4.2	4.4
G120.0	3.8	3.4	3.3	3.2	3.2	3.2	3.7	4.0	4.3	4.4
G121.0	3.8	3.5	3.4	3.3	3.3	3.3	3.8	4.1	4.4	4.5
G122.0	3.9	3.6	3.5	3.4	3.4	3.4	3.9	4.2	4.4	4.5
G123.0	4.0	3.7	3.6	3.5	3.5	3.5	4.1	4.3	4.5	4.7
G124.0	4.0	3.8	3.7	3.5	3.5	3.6	4.2	4.3	4.6	4.8
G125.0	4.2	3.9	3.7	3.6	3.5	3.5	4.2	4.4	4.7	4.8
G126.0	4.3	4.0	3.8	3.7	3.7	3.7	4.3	4.5	4.8	4.9
G127.0	4.3	4.0	3.9	3.8	3.8	3.8	4.3	4.6	4.8	4.9
G128.0	4.4	4.2	4.0	3.9	3.8	3.9	4.4	4.6	4.9	5.0
G129.0	4.4	4.2	4.1	4.0	3.9	4.0	4.5	4.7	5.0	5.1
G130.0	4.7	4.3	4.2	4.1	3.9	4.0	4.6	4.8	5.1	5.2
G131.0	4.7	4.3	4.3	4.1	4.1	4.1	4.7	4.9	5.2	5.2
G132.0	4.8	4.4	4.4	4.2	4.2	4.2	4.8	4.9	5.2	5.3
G133.0	4.9	4.5	4.4	4.3	4.2	4.3	4.9	5.0	5.3	5.4
G134.0	4.9	4.6	4.5	4.4	4.3	4.3	4.9	5.1	5.4	5.5
G135.0	5.0	4.6	4.6	4.4	4.3	4.4	5.0	5.1	5.4	5.5
G136.0	5.1	4.7	4.6	4.5	4.4	4.5	5.1	5.2	5.5	5.5
G137.0	5.1	4.8	4.7	4.6	4.4	4.6	5.2	5.2	5.6	5.6
G138.0	5.2	4.8	4.7	4.7	4.6	4.7	5.3	5.3	5.6	5.7
G139.0	5.3	4.9	4.8	4.8	4.6	4.7	5.3	5.3	5.7	5.8
G140.0	5.3	5.0	4.9	4.8	4.7	4.8	5.4	5.4	5.7	5.8
G141.0	5.4	5.1	5.0	4.9	4.7	4.8	5.4	5.5	5.7	5.9
G142.0	5.5	5.2	5.0	4.9	4.8	4.9	5.5	5.6	5.8	6.0
G143.0	5.5	5.2	5.1	5.0	4.9	5.0	5.5	5.6	5.8	5.9
G144.0	5.6	5.3	5.2	5.1	5.0	5.1	5.6	5.7	5.9	5.9
G145.0	5.6	5.3	5.2	5.2	5.0	5.1	5.6	5.7	5.9	6.0
G146.0	5.7	5.3	5.3	5.2	5.1	5.2	5.7	5.8	5.9	6.0
G147.0	5.8	5.4	5.3	5.3	5.1	5.3	5.7	5.9	6.0	6.0

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	5.8	5.5	5.4	5.3	5.2	5.3	5.7	5.9	6.0	6.1
G149.0	5.8	5.5	5.5	5.4	5.2	5.4	5.8	6.0	6.1	6.1
G150.0	5.9	5.6	5.5	5.4	5.4	5.5	5.8	6.0	6.1	6.1
G151.0	5.9	5.7	5.6	5.5	5.4	5.6	5.9	6.1	6.1	6.2
G152.0	6.0	5.7	5.6	5.5	5.4	5.6	5.9	6.1	6.1	6.2
G153.0	6.0	5.8	5.7	5.6	5.5	5.6	5.9	6.1	6.2	6.2
G154.0	6.0	5.8	5.7	5.6	5.6	5.7	6.0	6.2	6.2	6.2
G155.0	6.1	5.9	5.8	5.6	5.6	5.8	6.0	6.2	6.2	6.3
G156.0	6.1	5.9	5.8	5.7	5.7	5.8	6.0	6.3	6.3	6.3
G157.0	6.1	6.0	5.9	5.8	5.6	5.9	6.1	6.3	6.3	6.3
G158.0	6.2	6.0	5.9	5.8	5.7	5.9	6.1	6.4	6.4	6.4
G159.0	6.2	6.1	6.0	5.8	5.8	6.0	6.2	6.4	6.4	6.4
G160.0	6.2	6.1	6.1	5.9	5.9	6.0	6.2	6.4	6.4	6.5
G161.0	6.3	6.1	6.2	5.9	5.9	6.0	6.2	6.4	6.5	6.5
G162.0	6.3	6.2	6.2	6.0	6.0	6.1	6.3	6.5	6.5	6.6
G163.0	6.3	6.3	6.2	6.0	6.0	6.2	6.3	6.6	6.5	6.7
G164.0	6.4	6.3	6.3	6.0	6.1	6.2	6.4	6.6	6.6	6.7
G165.0	6.4	6.3	6.4	6.1	6.2	6.2	6.4	6.6	6.6	6.8
G166.0	6.5	6.4	6.4	6.1	6.2	6.3	6.4	6.6	6.7	6.8
G167.0	6.5	6.4	6.5	6.2	6.2	6.3	6.5	6.7	6.6	6.8
G168.0	6.5	6.4	6.5	6.2	6.3	6.4	6.5	6.6	6.6	6.9
G169.0	6.6	6.5	6.6	6.3	6.3	6.4	6.6	6.7	6.7	6.9
G170.0	6.7	6.6	6.6	6.4	6.4	6.6	6.6	6.7	6.8	6.9
G171.0	6.7	6.6	6.7	6.5	6.4	6.6	6.6	6.7	6.8	6.9
G172.0	6.7	6.6	6.7	6.6	6.5	6.6	6.6	6.8	6.8	7.0
G173.0	6.8	6.7	6.8	6.6	6.5	6.7	6.7	6.8	6.8	7.1
G174.0	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8	7.1
G175.0	7.0	6.8	6.8	6.7	6.7	6.8	6.8	6.8	6.9	7.1
G176.0	7.0	6.8	6.9	6.8	6.7	6.8	6.8	6.8	6.9	7.1
G177.0	7.0	6.8	6.9	6.9	6.8	6.8	6.9	6.9	6.9	7.1
G178.0	7.2	6.9	7.0	6.9	6.9	6.9	6.9	6.9	6.9	7.1
G179.0	7.1	6.9	7.0	7.0	6.9	6.9	6.9	6.9	6.9	7.1
G180.0	7.1	6.9	7.0	7.1	6.9	6.9	6.9	6.9	6.9	7.2

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	267.0	267.4	266.8							
G1.0	266.6	267.1	266.6							
G2.0	266.0	266.6	266.5							
G3.0	265.2	266.1	266.0							
G4.0	264.5	265.4	265.8							
G5.0	263.8	264.8	265.2							
G6.0	262.7	263.9	264.5							
G7.0	262.0	263.0	263.9							
G8.0	260.7	262.0	263.1							
G9.0	259.6	260.9	262.2							
G10.0	258.2	259.9	261.2							
G11.0	256.8	258.5	260.0							
G12.0	255.5	257.1	258.9							
G13.0	253.9	255.7	257.7							
G14.0	252.2	254.2	256.2							
G15.0	250.4	252.6	254.9							
G16.0	248.7	250.9	253.2							
G17.0	246.7	249.1	251.9							
G18.0	244.9	247.3	250.1							
G19.0	242.5	245.2	248.3							
G20.0	240.6	243.2	246.4							
G21.0	238.4	241.2	244.7							
G22.0	236.0	238.8	242.4							
G23.0	233.5	236.8	240.3							
G24.0	231.0	234.1	238.0							
G25.0	228.6	231.9	235.8							
G26.0	226.0	229.4	233.5							
G27.0	223.1	226.7	230.9							
G28.0	220.4	224.1	228.5							
G29.0	217.7	221.4	226.0							
G30.0	214.7	218.6	223.2							
G31.0	211.7	215.9	220.6							
G32.0	208.5	212.6	217.6							
G33.0	205.4	209.6	214.8							
G34.0	202.3	206.6	211.9							
G35.0	199.0	203.1	208.7							
G36.0	195.7	200.1	205.6							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	192.4	197.0	202.7							
G38.0	188.8	193.4	199.3							
G39.0	185.4	190.1	196.1							
G40.0	181.5	186.3	192.5							
G41.0	178.0	183.1	189.1							
G42.0	174.6	179.5	185.7							
G43.0	170.7	175.6	182.0							
G44.0	166.9	172.0	178.6							
G45.0	162.9	168.1	174.9							
G46.0	159.0	164.3	171.1							
G47.0	155.3	160.6	167.5							
G48.0	151.1	156.4	163.3							
G49.0	147.4	152.5	159.7							
G50.0	143.3	148.9	155.8							
G51.0	139.1	144.5	151.7							
G52.0	135.3	140.6	147.9							
G53.0	130.7	136.3	143.4							
G54.0	126.7	132.2	139.6							
G55.0	122.7	128.2	135.5							
G56.0	118.1	123.9	131.1							
G57.0	114.0	119.8	127.1							
G58.0	110.0	115.6	123.0							
G59.0	105.3	111.2	118.6							
G60.0	101.3	106.9	114.3							
G61.0	96.5	102.5	109.9							
G62.0	92.5	98.3	105.6							
G63.0	88.4	94.1	101.4							
G64.0	84.0	89.5	96.8							
G65.0	79.7	85.5	92.7							
G66.0	75.6	81.2	88.6							
G67.0	71.0	76.7	83.9							
G68.0	67.0	72.4	79.6							
G69.0	62.6	68.1	75.1							
G70.0	58.6	63.9	71.1							
G71.0	54.4	59.9	66.8							
G72.0	50.2	55.4	62.2							
G73.0	46.2	51.5	58.2							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	42.4	47.5	54.1							
G75.0	38.2	43.2	49.9							
G76.0	34.2	39.3	45.8							
G77.0	30.2	35.0	41.6							
G78.0	26.3	31.3	37.5							
G79.0	22.7	27.3	33.8							
G80.0	18.7	23.2	29.4							
G81.0	15.1	19.4	25.7							
G82.0	11.6	15.7	21.8							
G83.0	7.7	11.9	17.8							
G84.0	4.5	8.2	14.0							
G85.0	1.7	4.5	10.1							
G86.0	1.4	1.7	6.6							
G87.0	1.4	1.3	3.1							
G88.0	1.5	1.3	1.0							
G89.0	1.6	1.4	1.1							
G90.0	1.7	1.5	1.2							
G91.0	1.7	1.6	1.3							
G92.0	1.8	1.7	1.3							
G93.0	2.0	1.7	1.4							
G94.0	2.0	1.9	1.5							
G95.0	2.1	1.9	1.5							
G96.0	2.2	2.0	1.6							
G97.0	2.3	2.1	1.7							
G98.0	2.4	2.3	1.7							
G99.0	2.5	2.3	1.9							
G100.0	2.5	2.4	1.9							
G101.0	2.6	2.5	2.0							
G102.0	2.7	2.6	2.1							
G103.0	2.8	2.7	2.2							
G104.0	2.9	2.7	2.3							
G105.0	3.0	2.8	2.4							
G106.0	3.2	3.0	2.5							
G107.0	3.2	3.0	2.6							
G108.0	3.3	3.1	2.7							
G109.0	3.4	3.2	2.7							
G110.0	3.5	3.3	2.9							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	3.6	3.4	3.0							
G112.0	3.7	3.5	3.0							
G113.0	3.8	3.5	3.2							
G114.0	3.9	3.7	3.2							
G115.0	4.0	3.8	3.3							
G116.0	4.0	3.9	3.4							
G117.0	4.1	4.0	3.5							
G118.0	4.2	4.1	3.6							
G119.0	4.3	4.2	3.7							
G120.0	4.4	4.3	3.8							
G121.0	4.4	4.3	3.8							
G122.0	4.6	4.4	3.9							
G123.0	4.6	4.4	4.0							
G124.0	4.7	4.5	4.0							
G125.0	4.8	4.6	4.2							
G126.0	4.9	4.7	4.3							
G127.0	5.0	4.8	4.3							
G128.0	5.1	4.8	4.4							
G129.0	5.1	4.9	4.4							
G130.0	5.2	5.0	4.7							
G131.0	5.2	5.1	4.7							
G132.0	5.3	5.2	4.8							
G133.0	5.3	5.3	4.9							
G134.0	5.4	5.3	4.9							
G135.0	5.5	5.4	5.0							
G136.0	5.6	5.4	5.1							
G137.0	5.6	5.5	5.1							
G138.0	5.7	5.6	5.2							
G139.0	5.8	5.6	5.3							
G140.0	5.8	5.7	5.3							
G141.0	5.9	5.8	5.4							
G142.0	5.9	5.8	5.5							
G143.0	5.9	5.9	5.5							
G144.0	6.0	6.0	5.6							
G145.0	6.0	6.0	5.6							
G146.0	6.1	6.1	5.7							
G147.0	6.1	6.1	5.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	6.1	6.1	5.8							
G149.0	6.2	6.2	5.8							
G150.0	6.2	6.3	5.9							
G151.0	6.3	6.3	5.9							
G152.0	6.3	6.4	6.0							
G153.0	6.3	6.4	6.0							
G154.0	6.3	6.4	6.0							
G155.0	6.4	6.4	6.1							
G156.0	6.4	6.5	6.1							
G157.0	6.4	6.5	6.1							
G158.0	6.5	6.6	6.2							
G159.0	6.5	6.6	6.2							
G160.0	6.5	6.6	6.2							
G161.0	6.6	6.6	6.3							
G162.0	6.6	6.6	6.3							
G163.0	6.6	6.7	6.3							
G164.0	6.7	6.7	6.4							
G165.0	6.7	6.7	6.4							
G166.0	6.7	6.8	6.5							
G167.0	6.7	6.8	6.5							
G168.0	6.8	6.8	6.5							
G169.0	6.8	6.8	6.6							
G170.0	6.8	6.8	6.7							
G171.0	6.9	6.8	6.7							
G172.0	6.9	6.9	6.7							
G173.0	6.9	6.8	6.8							
G174.0	6.9	6.8	6.9							
G175.0	6.9	6.9	7.0							
G176.0	6.9	6.9	7.0							
G177.0	6.9	6.9	7.0							
G178.0	6.9	6.9	7.2							
G179.0	6.9	6.9	7.1							
G180.0	6.9	7.0	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: