Report No.: **Test Time: 2020-08-31 10:20**

Luminaire Property

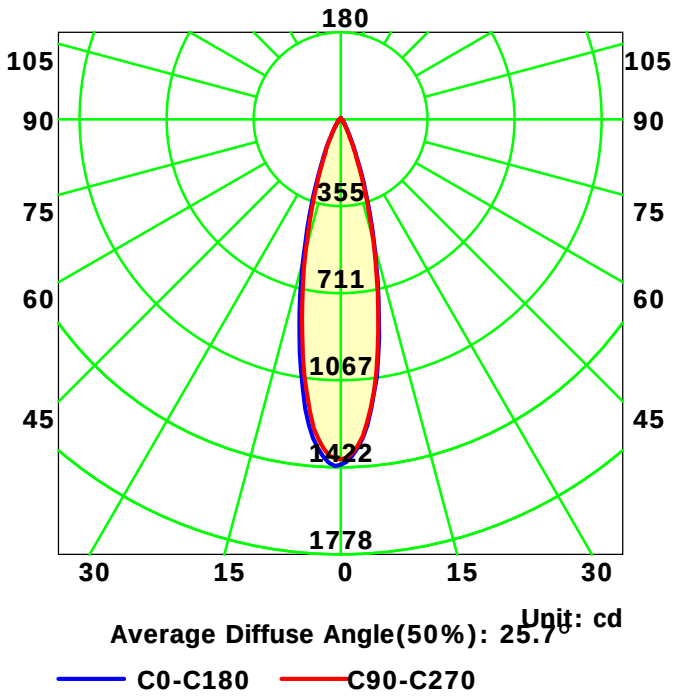
Luminaire Manufacturer:
Luminaire Description: MS-MR16-3B **Voltage: 11.8 V**
Current: 0.522 A **Power: 4.80 W**
Power Factor: 0.769

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 397.5 lm**
Measurement Flux: 397.5 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%,75%,100%): H50.3,H26,H16.8,H1
Vertical Diffuse Angle(10%,50%,75%,100%): V49.7,V25.4,V16.4,V0
Luminaire Efficacy Rating (LER): 83 **Central Intensity: 1412.16 cd**
Max. Intensity: 1416.94 cd **Pos of Max. Intensity: H180 V1**

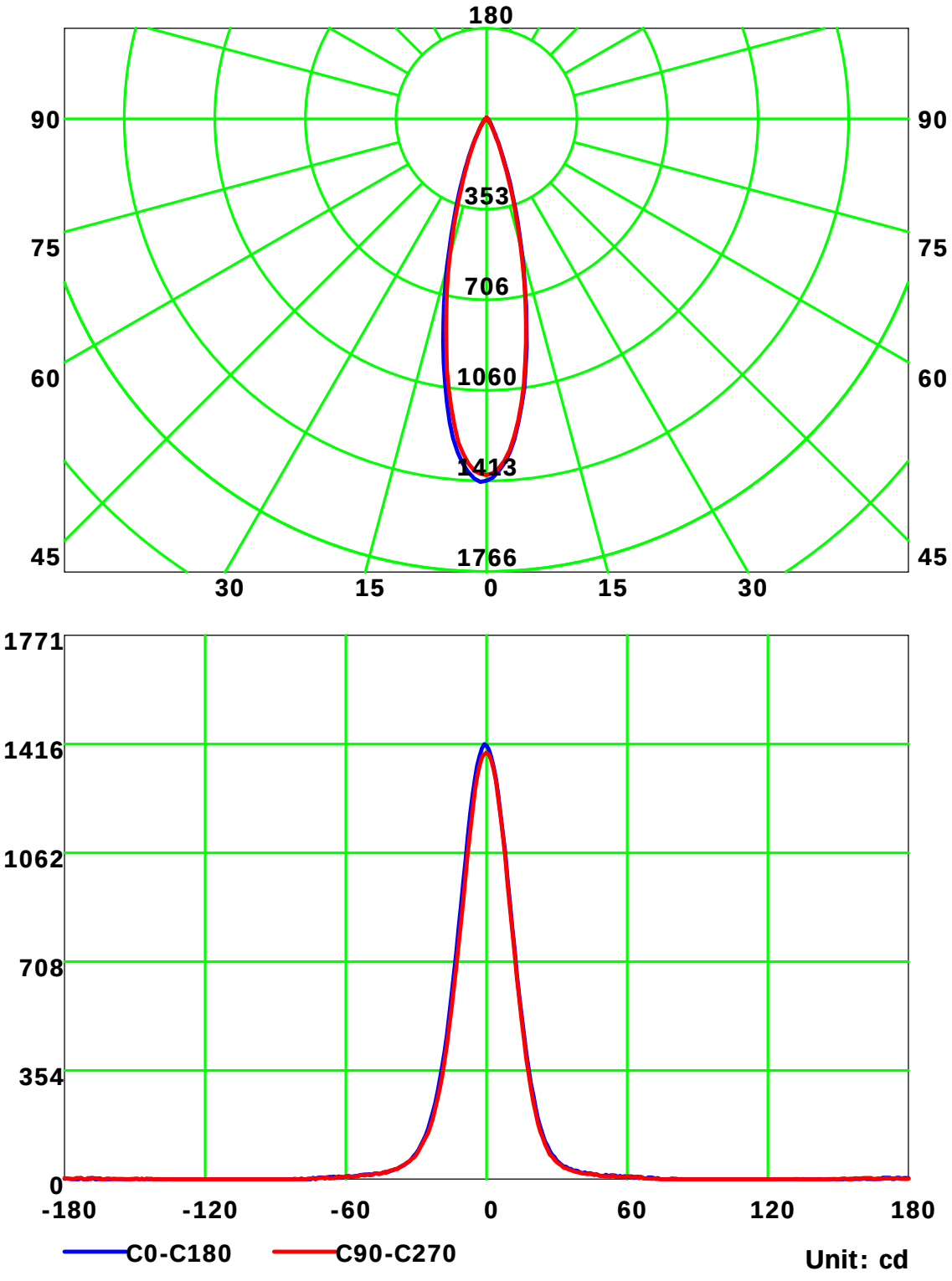
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1600**
Test Type: TYPE C **Distance: 8.177 m**
Temperature: **Humidity:**
Operator: **Inspector:**

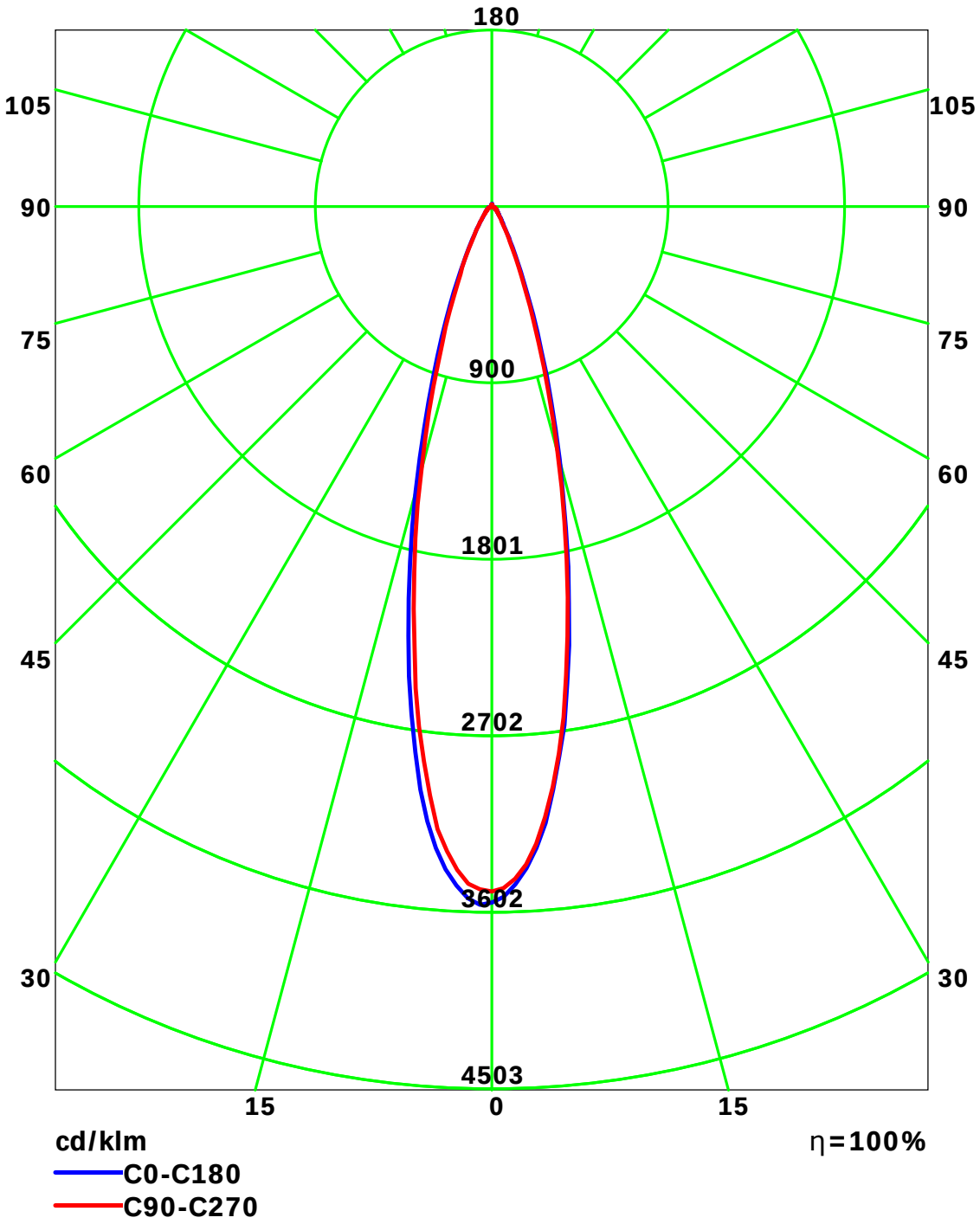
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

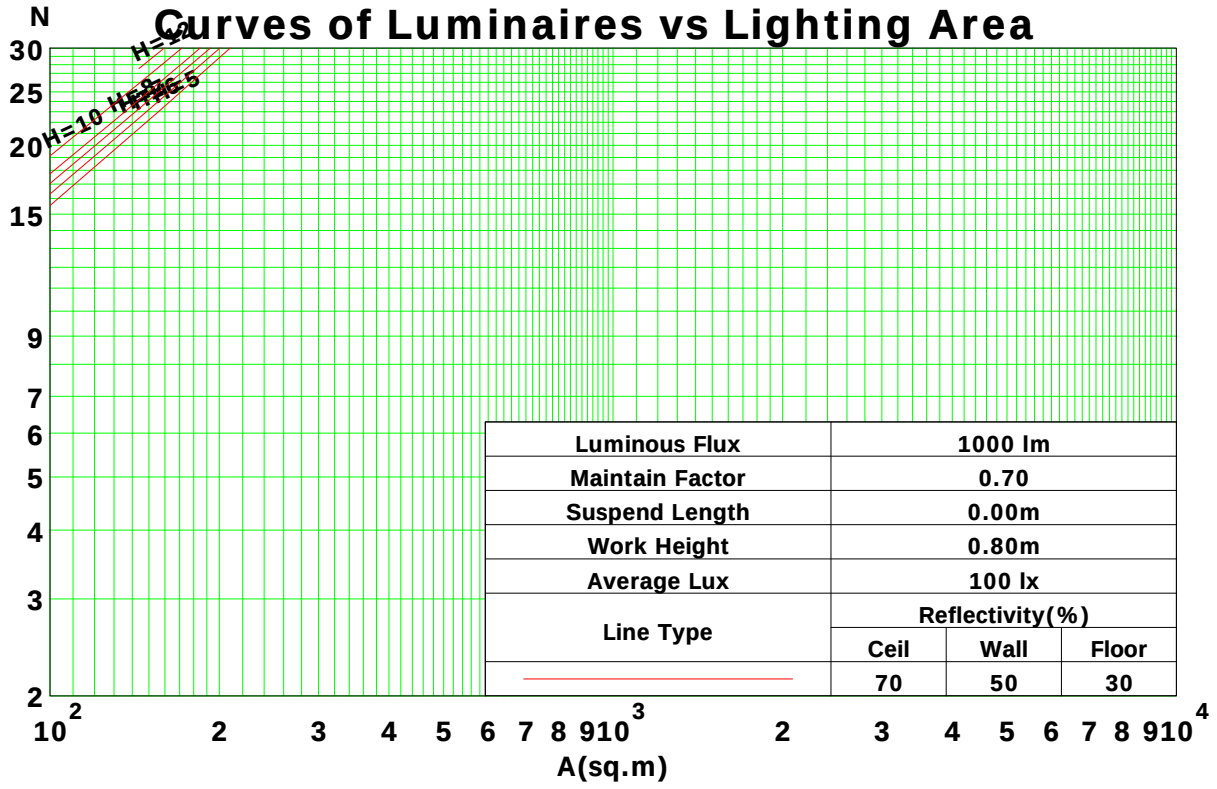
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	90	88	86	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	72	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64

Spacing Criteria (0-180): 0.44
Spacing Criteria (90-270): 0.43
Spacing Criteria (Diagonal): 0.45

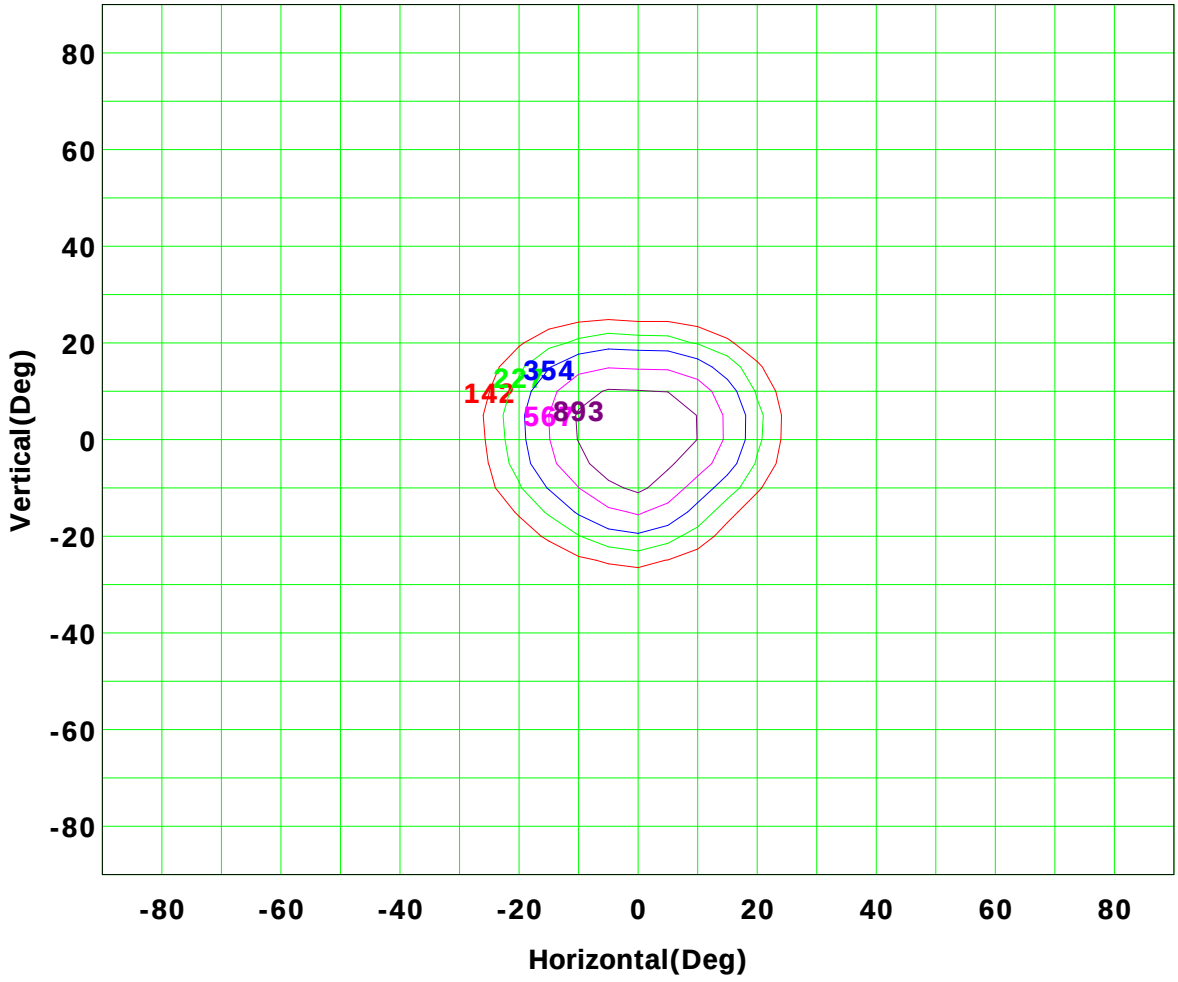
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Isocandela (rectangle)



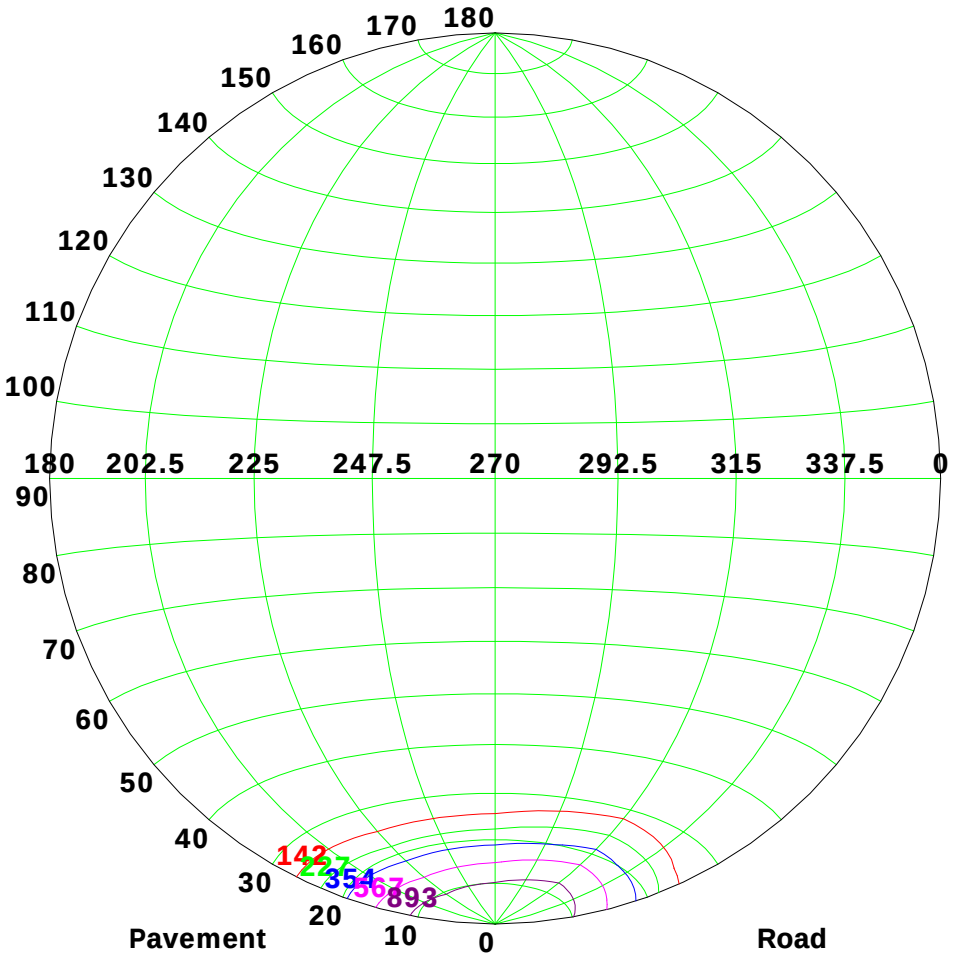
Imax (100%): 1417 cd

(10%): 142 cd	(16%): 227 cd
(25%): 354 cd	(40%): 567 cd
(63%): 893 cd	(100%): 1417 cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Isocandela (sphere)



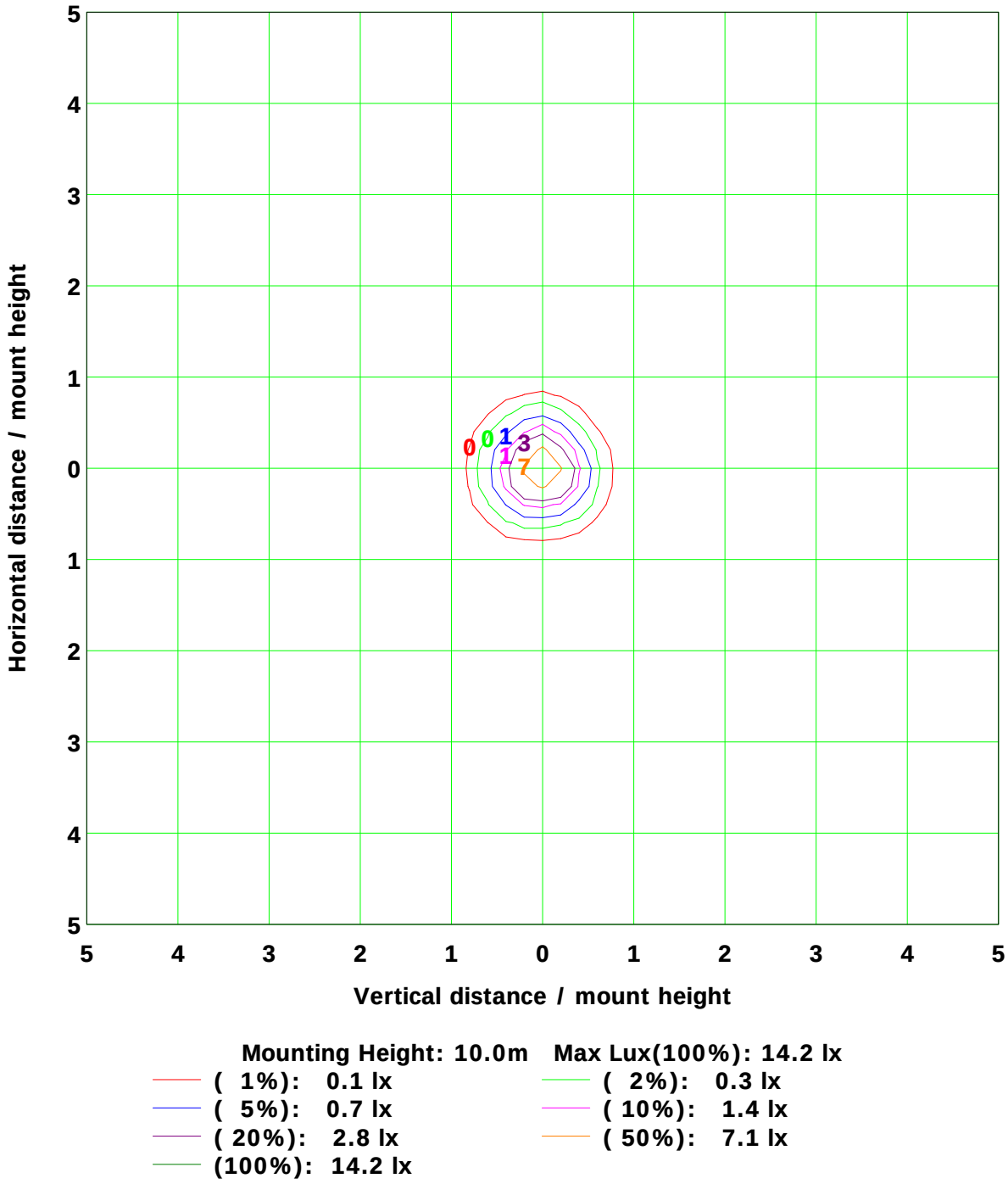
Imax (100%): 1417 cd

(10%): 142 cd	(16%): 227 cd
(25%): 354 cd	(40%): 567 cd
(63%): 893 cd	(100%): 1417 cd

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

IsoLux Plot

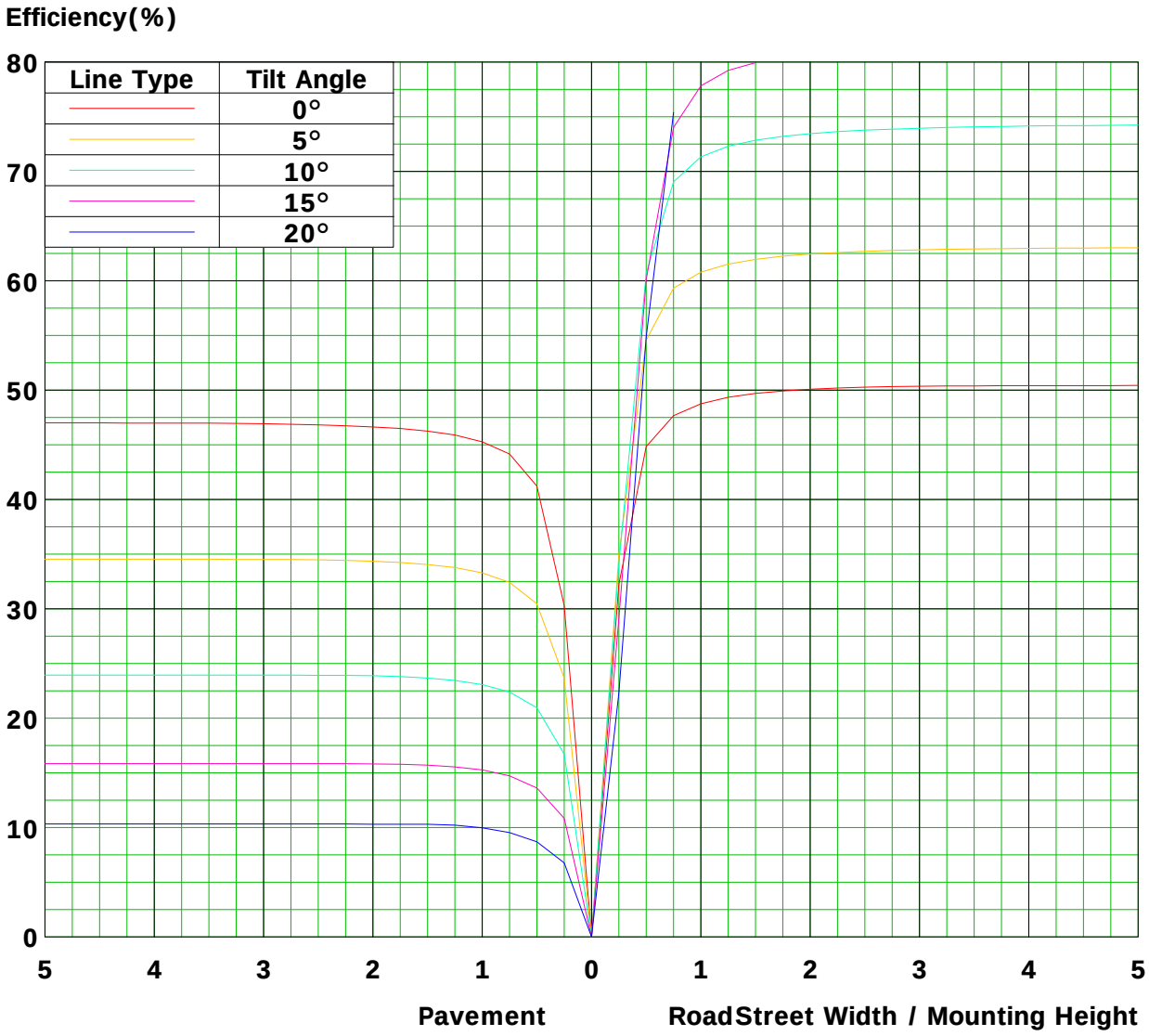


Mounting Height: 10.0m Max Lux(100%): 14.2 lx

(1%): 0.1 lx
(2%): 0.3 lx
(5%): 0.7 lx
(10%): 1.4 lx
(20%): 2.8 lx
(50%): 7.1 lx
(100%): 14.2 lx

C Plane (°):0.0-360.0: 45.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600
Test Type: TYPE C
Distance: 8.177 m
Temperature:
Humidity:
Operator:
Inspector:

Roadway CU Curve

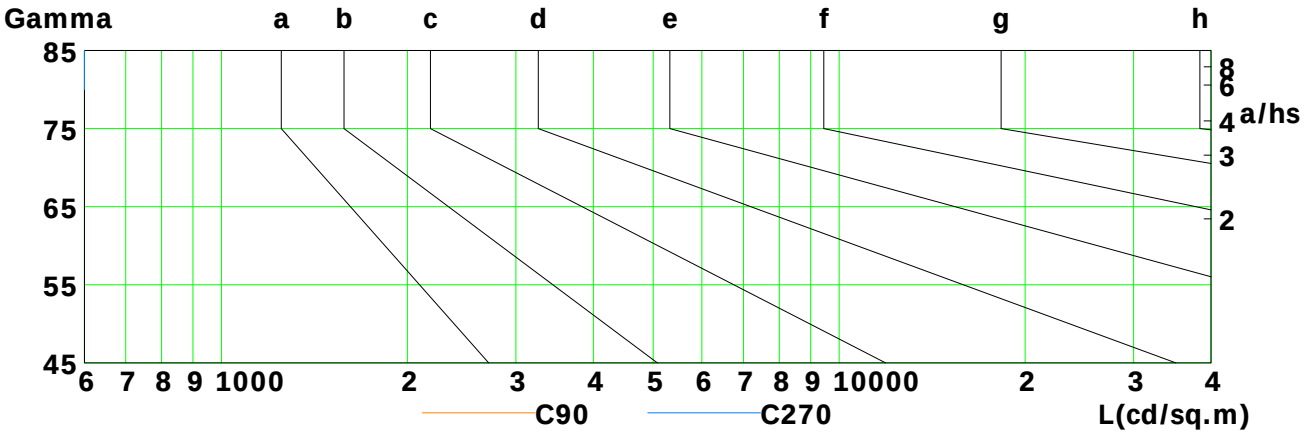


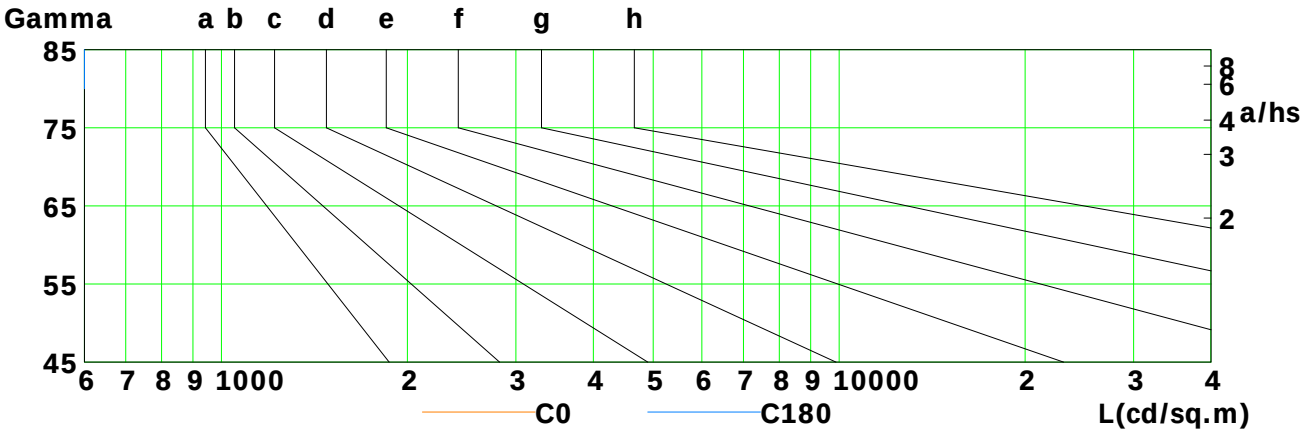
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 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



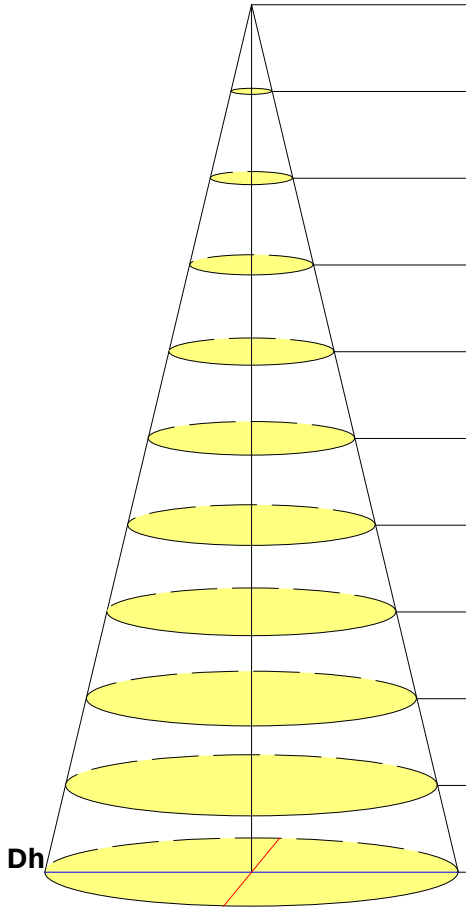


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	19	12	13	6	8	6	1	3	0
C90	17	11	9	11	4	2	0	0	0
C180	20	17	12	8	9	7	1	0	0
C270	19	14	10	11	4	5	3	0	0

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Illuminance at a Distance



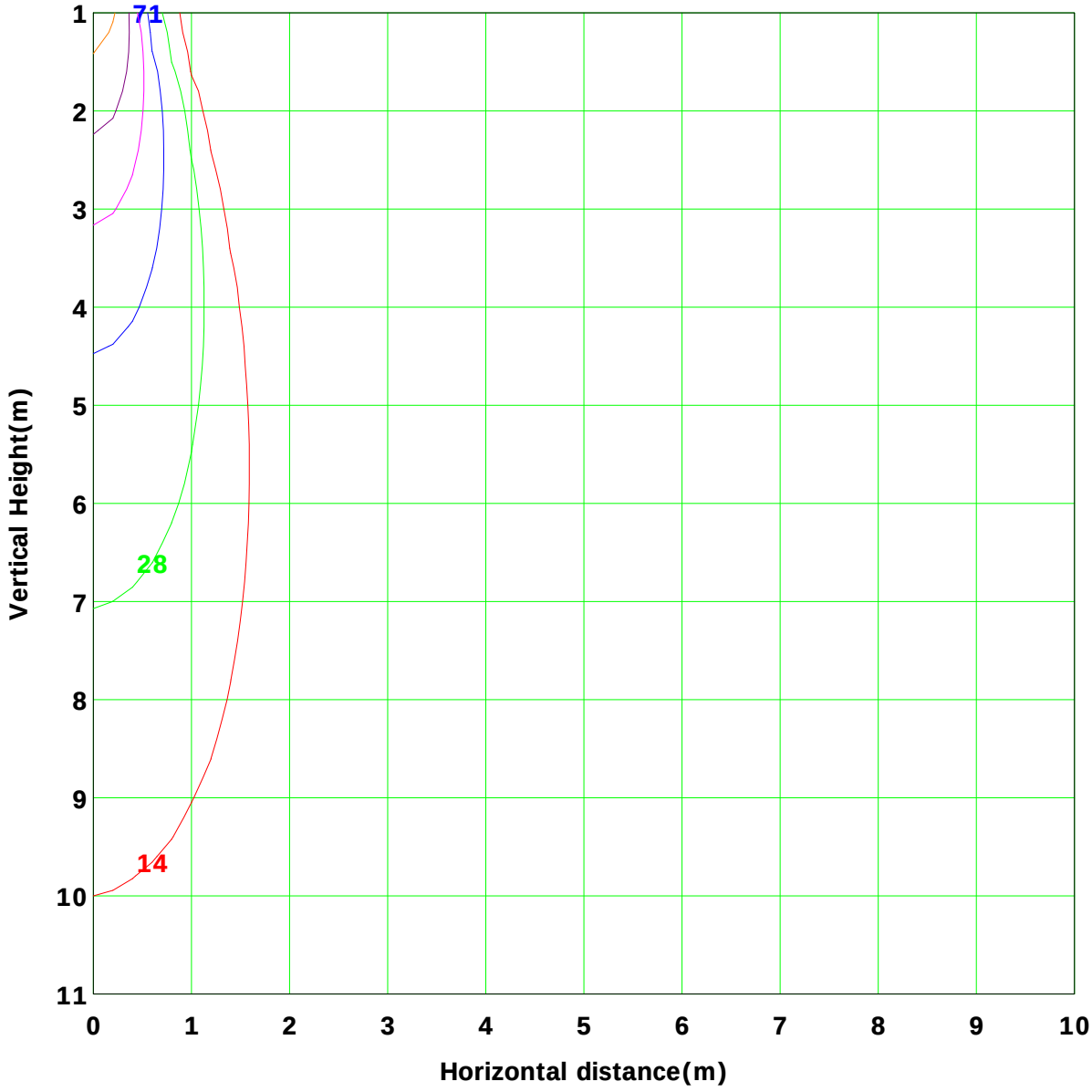
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
5.0	56.49	2.31/2.26	4.1	27.93
10.0	14.12	4.61/4.51	16.5	6.98
15.0	6.28	6.92/6.77	37.2	3.10
20.0	3.53	9.22/9.02	66.1	1.75
25.0	2.26	11.53/11.28	103.3	1.12
30.0	1.57	13.83/13.54	148.8	0.78
35.0	1.15	16.14/15.79	202.5	0.57
40.0	0.88	18.44/18.05	264.5	0.44
45.0	0.70	20.75/20.31	334.8	0.34
50.0	0.56	23.05/22.56	413.3	0.28

Beam Angle(B): H26.0 V25.4 Field Angle(F): H50.3 V49.7

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1412.2 lx

(1%): 14.1 lx
(2%): 28.2 lx
(5%): 70.6 lx
(10%): 141.2 lx
(20%): 282.4 lx
(50%): 706.1 lx
(100%):1412.2 lx

C Plane (°):0.0-360.0: 45.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600
Test Type: TYPE C
Distance: 8.177 m
Temperature:
Humidity:
Operator:
Inspector:

Area Flux Table

Unit: lx

Vertical plane	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.00.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	ΦT	ΦE
-90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.00.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10.0	0.0	0.1	0.2	0.3	0.6	1.2	3.5	10.0	16.3	15.5	8.5	2.6	0.9	0.5	0.3	0.2	0.0	0.0	0.0		
20.0	0.0	0.0	0.2	0.3	0.5	0.8	1.6	3.0	4.0	3.7	2.5	1.2	0.6	0.4	0.2	0.1	0.0	0.0	0.0		
30.0	0.0	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	0.9	0.8	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0		
40.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0		
50.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
60.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0		
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ΦT	0.1	0.5	1.5	2.8	4.7	8.8	21.6	58.7	110.4	104.5	50.0	16.1	6.6	3.9	2.5	1.5	0.4	0.1	395		
ΦE	0.0	0.0	0.0	0.0	0.0	0.0	8.6	51.1	103.9	97.8	41.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		307

Horizontal plane

-90.0 -80.0 -70.0 -60.0 -50.0 -40.0 -30.0 -20.0 -10.0 0.00.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 ΦT

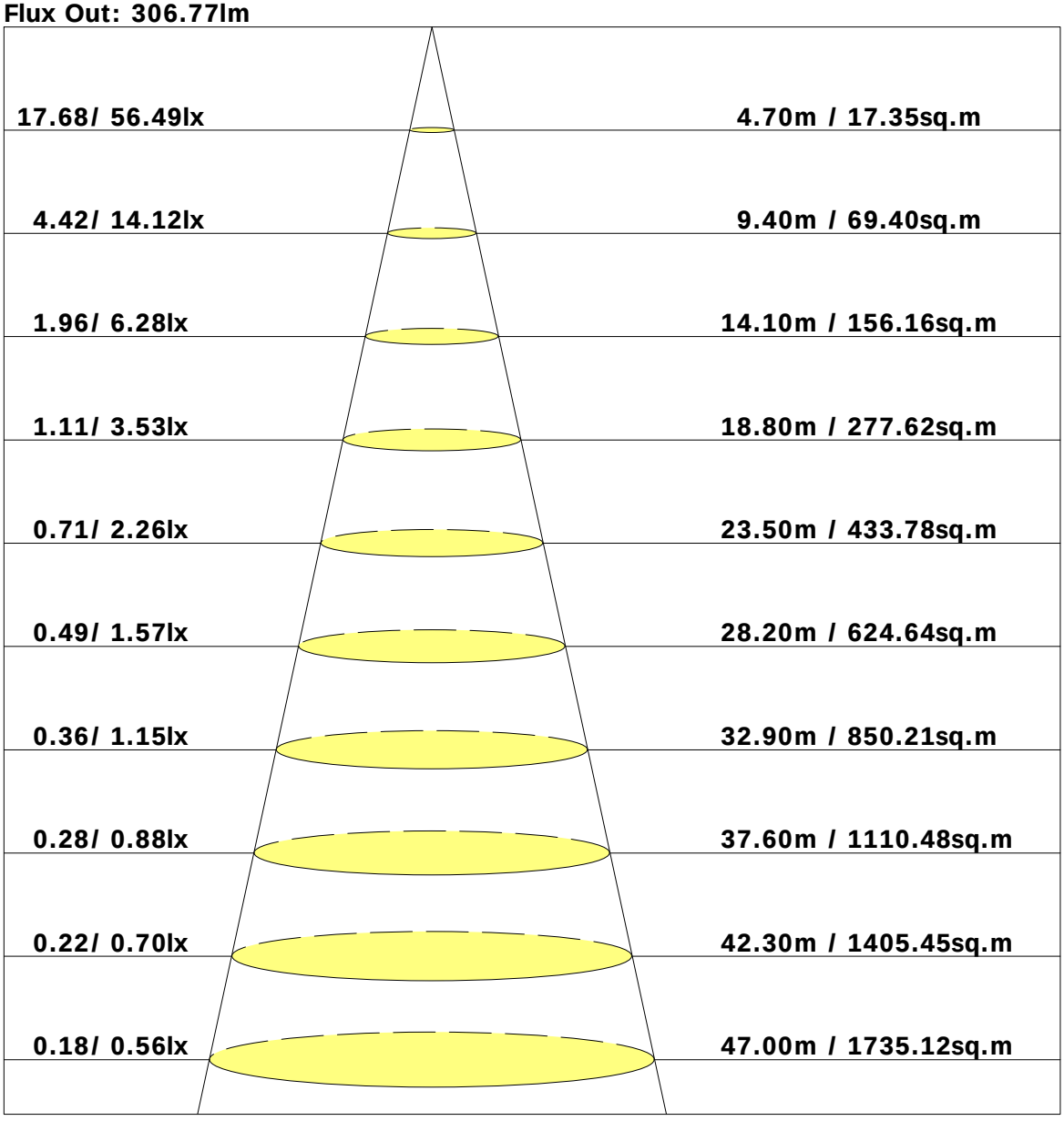
ΦE

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

The Average Illuminance Effective Figure

Flux Out: 306.77lm



Height	Avg./Nadir. E	Beam Angle:50.3°	Diameter / Area
5.0m	17.68/ 56.49lx		4.70m / 17.35sq.m
10.0m	4.42/ 14.12lx		9.40m / 69.40sq.m
15.0m	1.96/ 6.28lx		14.10m / 156.16sq.m
20.0m	1.11/ 3.53lx		18.80m / 277.62sq.m
25.0m	0.71/ 2.26lx		23.50m / 433.78sq.m
30.0m	0.49/ 1.57lx		28.20m / 624.64sq.m
35.0m	0.36/ 1.15lx		32.90m / 850.21sq.m
40.0m	0.28/ 0.88lx		37.60m / 1110.48sq.m
45.0m	0.22/ 0.70lx		42.30m / 1405.45sq.m
50.0m	0.18/ 0.56lx		47.00m / 1735.12sq.m

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

UGR Table

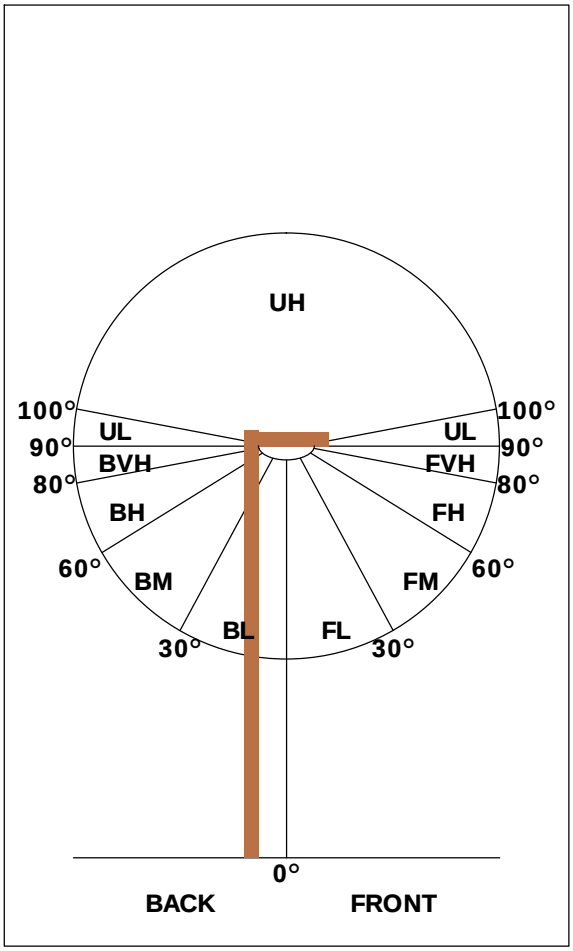
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
3H	1.$	1.$	1.$	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.$

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



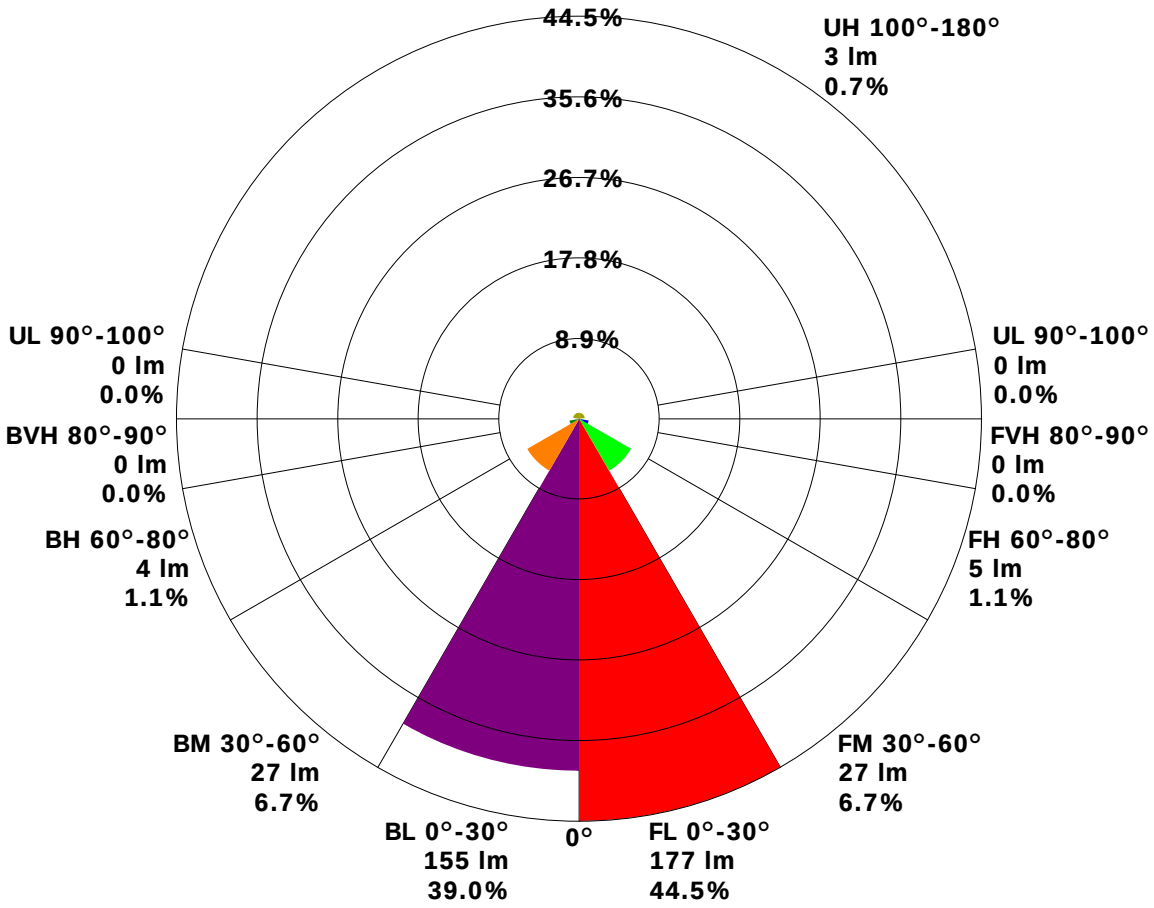
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	209	52.5
FL (0°-30°)	177	44.5
FM (30°-60°)	27	6.7
FH (60°-80°)	5	1.1
FVH (80°-90°)	0	0.0
BACK LIGHT	186	46.9
BL (0°-30°)	155	39.0
BM (30°-60°)	27	6.7
BH (60°-80°)	4	1.1
BVH (80°-90°)	0	0.0
UP LIGHT	3	0.7
UL (90°-100°)	0	0.0
UH (100°-180°)	3	0.7
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

LCS Graph



Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.50								
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	0.88	0.94	0.98	1.01	1.05	1.07	1.09	1.11	1.13
	0.30		0.84	0.90	0.94	0.97	1.01	1.04	1.06	1.09	1.11
	0.20		0.80	0.87	0.91	0.94	0.99	1.02	1.04	1.07	1.09
0.50	0.50	0.20	0.87	0.92	0.96	0.98	1.02	1.04	1.05	1.07	1.09
	0.30		0.83	0.89	0.92	0.95	0.99	1.02	1.03	1.06	1.07
	0.20		0.80	0.86	0.90	0.93	0.97	0.99	1.01	1.04	1.06
0.30	0.50	0.20	0.86	0.91	0.94	0.96	0.99	1.01	1.02	1.04	1.05
	0.30		0.82	0.87	0.91	0.93	0.97	0.99	1.00	1.02	1.03
	0.20		0.80	0.85	0.89	0.91	0.95	0.97	0.99	1.01	1.02
0.00	0.00	0.00	0.78	0.83	0.86	0.89	0.92	0.94	0.95	0.97	0.98

Rating:5W 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: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.50								
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	0.56	0.46	0.38	0.33	0.26	0.22	0.18	0.14	0.11
	0.30		0.47	0.39	0.33	0.29	0.24	0.20	0.17	0.13	0.11
	0.20		0.40	0.34	0.30	0.26	0.21	0.18	0.16	0.13	0.10
0.50	0.50	0.20	0.53	0.43	0.36	0.31	0.24	0.24	0.17	0.13	0.10
	0.30		0.45	0.37	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.30	0.50	0.20	0.51	0.40	0.33	0.29	0.22	0.18	0.15	0.12	0.10
	0.30		0.43	0.35	0.30	0.26	0.21	0.17	0.14	0.11	0.09
	0.20		0.38	0.32	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.24	0.19	0.15	0.13	0.10	0.08	0.07	0.05	0.04

Rating:5W 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: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.50								
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	0.14	0.15	0.16	0.17	0.19	0.20	0.20	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.18	0.18	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	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	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.20
	0.30		0.09	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.18
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating:5W 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: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 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	1391.9	1.3	1.3	0.34	0.34
1.0-2.0	1381.5	4.0	5.3	1.00	1.33
2.0-3.0	1360.2	6.5	11.8	1.64	2.97
3.0-4.0	1328.2	8.9	20.7	2.24	5.21
4.0-5.0	1286.4	11.1	31.8	2.78	7.99
5.0-6.0	1233.3	13.0	44.7	3.26	11.25
6.0-7.0	1172.3	14.6	59.3	3.66	14.91
7.0-8.0	1106.3	15.8	75.1	3.98	18.90
8.0-9.0	1034.0	16.8	91.9	4.22	23.11
9.0-10.0	957.8	17.3	109.2	4.36	27.47
10.0-11.0	880.6	17.6	126.8	4.43	31.90
11.0-12.0	804.6	17.6	144.4	4.42	36.32
12.0-13.0	730.5	17.3	161.7	4.36	40.68
13.0-14.0	658.6	16.9	178.6	4.24	44.93
14.0-15.0	590.0	16.2	194.8	4.08	49.00
15.0-16.0	524.7	15.4	210.2	3.87	52.87
16.0-17.0	464.1	14.5	224.6	3.64	56.50
17.0-18.0	408.8	13.5	238.1	3.39	59.90
18.0-19.0	358.4	12.5	250.6	3.14	63.03
19.0-20.0	312.9	11.5	262.0	2.88	65.91
20.0-21.0	273.7	10.5	272.5	2.64	68.56
21.0-22.0	238.3	9.6	282.1	2.41	70.97
22.0-23.0	206.0	8.6	290.8	2.17	73.14
23.0-24.0	178.5	7.8	298.6	1.96	75.11
24.0-25.0	155.0	7.0	305.6	1.77	76.88
25.0-26.0	135.3	6.4	312.0	1.61	78.49
26.0-27.0	118.3	5.8	317.8	1.46	79.94
27.0-28.0	103.8	5.3	323.1	1.32	81.26
28.0-29.0	91.6	4.8	327.8	1.21	82.47
29.0-30.0	80.1	4.3	332.2	1.09	83.56
30.0-31.0	70.4	3.9	336.1	0.99	84.54
31.0-32.0	62.5	3.6	339.7	0.90	85.44
32.0-33.0	55.6	3.3	342.9	0.82	86.27
33.0-34.0	50.2	3.0	346.0	0.76	87.03
34.0-35.0	44.9	2.8	348.8	0.70	87.73
35.0-36.0	40.4	2.6	351.4	0.65	88.38

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 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	36.7	2.4	353.7	0.60	88.98
37.0-38.0	33.3	2.2	356.0	0.56	89.54
38.0-39.0	30.8	2.1	358.1	0.53	90.07
39.0-40.0	28.2	2.0	360.0	0.49	90.57
40.0-41.0	25.9	1.8	361.9	0.46	91.03
41.0-42.0	24.7	1.8	363.7	0.45	91.48
42.0-43.0	22.7	1.7	365.4	0.42	91.91
43.0-44.0	21.1	1.6	367.0	0.40	92.31
44.0-45.0	20.2	1.6	368.5	0.39	92.70
45.0-46.0	19.0	1.5	370.0	0.37	93.07
46.0-47.0	17.8	1.4	371.4	0.36	93.43
47.0-48.0	17.0	1.4	372.8	0.35	93.77
48.0-49.0	15.6	1.3	374.1	0.32	94.10
49.0-50.0	14.0	1.2	375.2	0.29	94.39
50.0-51.0	14.1	1.2	376.4	0.30	94.69
51.0-52.0	13.9	1.2	377.6	0.30	94.99
52.0-53.0	13.0	1.1	378.7	0.28	95.27
53.0-54.0	12.8	1.1	379.9	0.28	95.56
54.0-55.0	12.0	1.1	381.0	0.27	95.83
55.0-56.0	10.7	1.0	381.9	0.24	96.07
56.0-57.0	10.1	0.9	382.8	0.23	96.30
57.0-58.0	9.6	0.9	383.7	0.22	96.53
58.0-59.0	9.1	0.9	384.6	0.22	96.74
59.0-60.0	9.0	0.9	385.4	0.21	96.96
60.0-61.0	8.6	0.8	386.3	0.21	97.16
61.0-62.0	8.1	0.8	387.0	0.20	97.36
62.0-63.0	7.9	0.8	387.8	0.19	97.55
63.0-64.0	7.8	0.8	388.6	0.19	97.74
64.0-65.0	7.3	0.7	389.3	0.18	97.92
65.0-66.0	6.7	0.7	390.0	0.17	98.09
66.0-67.0	6.0	0.6	390.6	0.15	98.25
67.0-68.0	5.5	0.6	391.1	0.14	98.39
68.0-69.0	5.1	0.5	391.6	0.13	98.52
69.0-70.0	4.6	0.5	392.1	0.12	98.64
70.0-71.0	4.8	0.5	392.6	0.13	98.76
71.0-72.0	4.4	0.5	393.1	0.11	98.88

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 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	2.8	0.3	393.4	0.07	98.95
73.0-74.0	2.2	0.2	393.6	0.06	99.01
74.0-75.0	2.2	0.2	393.8	0.06	99.07
75.0-76.0	1.9	0.2	394.0	0.05	99.12
76.0-77.0	1.2	0.1	394.1	0.03	99.15
77.0-78.0	0.8	0.1	394.2	0.02	99.17
78.0-79.0	1.2	0.1	394.4	0.03	99.20
79.0-80.0	1.1	0.1	394.5	0.03	99.23
80.0-81.0	0.8	0.1	394.6	0.02	99.25
81.0-82.0	0.8	0.1	394.7	0.02	99.27
82.0-83.0	0.5	0.1	394.7	0.01	99.29
83.0-84.0	0.2	0.0	394.7	0.00	99.29
84.0-85.0	0.0	0.0	394.7	0.00	99.29
85.0-86.0	0.1	0.0	394.7	0.00	99.30
86.0-87.0	0.2	0.0	394.8	0.01	99.30
87.0-88.0	0.1	0.0	394.8	0.00	99.31
88.0-89.0	0.1	0.0	394.8	0.00	99.31
89.0-90.0	0.2	0.0	394.8	0.00	99.31
90.0-91.0	0.1	0.0	394.8	0.00	99.32
91.0-92.0	0.1	0.0	394.8	0.00	99.32
92.0-93.0	0.1	0.0	394.8	0.00	99.32
93.0-94.0	0.0	0.0	394.8	0.00	99.32
94.0-95.0	0.0	0.0	394.9	0.00	99.32
95.0-96.0	0.0	0.0	394.9	0.00	99.33
96.0-97.0	0.0	0.0	394.9	0.00	99.33
97.0-98.0	0.0	0.0	394.9	0.00	99.33
98.0-99.0	0.0	0.0	394.9	0.00	99.33
99.0-100.0	0.0	0.0	394.9	0.00	99.33
100.0-101.0	0.0	0.0	394.9	0.00	99.33
101.0-102.0	0.0	0.0	394.9	0.00	99.33
102.0-103.0	0.1	0.0	394.9	0.00	99.33
103.0-104.0	0.1	0.0	394.9	0.00	99.33
104.0-105.0	0.1	0.0	394.9	0.00	99.33
105.0-106.0	0.1	0.0	394.9	0.00	99.34
106.0-107.0	0.1	0.0	394.9	0.00	99.34
107.0-108.0	0.1	0.0	394.9	0.00	99.34

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 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	0.1	0.0	394.9	0.00	99.35
109.0-110.0	0.1	0.0	395.0	0.00	99.35
110.0-111.0	0.1	0.0	395.0	0.00	99.35
111.0-112.0	0.1	0.0	395.0	0.00	99.36
112.0-113.0	0.1	0.0	395.0	0.00	99.36
113.0-114.0	0.1	0.0	395.0	0.00	99.36
114.0-115.0	0.1	0.0	395.0	0.00	99.36
115.0-116.0	0.1	0.0	395.0	0.00	99.36
116.0-117.0	0.2	0.0	395.0	0.01	99.37
117.0-118.0	0.2	0.0	395.1	0.01	99.37
118.0-119.0	0.2	0.0	395.1	0.00	99.38
119.0-120.0	0.2	0.0	395.1	0.00	99.38
120.0-121.0	0.2	0.0	395.1	0.00	99.39
121.0-122.0	0.3	0.0	395.1	0.01	99.39
122.0-123.0	0.3	0.0	395.2	0.01	99.40
123.0-124.0	0.2	0.0	395.2	0.01	99.41
124.0-125.0	0.1	0.0	395.2	0.00	99.41
125.0-126.0	0.2	0.0	395.2	0.00	99.41
126.0-127.0	0.3	0.0	395.2	0.01	99.42
127.0-128.0	0.3	0.0	395.3	0.01	99.43
128.0-129.0	0.4	0.0	395.3	0.01	99.43
129.0-130.0	0.3	0.0	395.3	0.01	99.44
130.0-131.0	0.2	0.0	395.3	0.00	99.44
131.0-132.0	0.3	0.0	395.4	0.01	99.45
132.0-133.0	0.4	0.0	395.4	0.01	99.46
133.0-134.0	0.3	0.0	395.4	0.01	99.47
134.0-135.0	0.3	0.0	395.4	0.01	99.47
135.0-136.0	0.4	0.0	395.5	0.01	99.48
136.0-137.0	0.3	0.0	395.5	0.01	99.48
137.0-138.0	0.2	0.0	395.5	0.00	99.49
138.0-139.0	0.1	0.0	395.5	0.00	99.49
139.0-140.0	0.2	0.0	395.5	0.00	99.49
140.0-141.0	0.5	0.0	395.6	0.01	99.50
141.0-142.0	0.5	0.0	395.6	0.01	99.51
142.0-143.0	0.6	0.0	395.6	0.01	99.52
143.0-144.0	0.6	0.0	395.7	0.01	99.53

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 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	0.7	0.0	395.7	0.01	99.54
145.0-146.0	0.7	0.0	395.8	0.01	99.55
146.0-147.0	0.9	0.1	395.8	0.01	99.57
147.0-148.0	1.2	0.1	395.9	0.02	99.58
148.0-149.0	1.1	0.1	395.9	0.02	99.60
149.0-150.0	1.0	0.1	396.0	0.01	99.61
150.0-151.0	1.0	0.1	396.1	0.01	99.63
151.0-152.0	1.1	0.1	396.1	0.01	99.64
152.0-153.0	1.1	0.1	396.2	0.01	99.66
153.0-154.0	1.1	0.1	396.2	0.01	99.67
154.0-155.0	1.4	0.1	396.3	0.02	99.69
155.0-156.0	1.4	0.1	396.4	0.02	99.70
156.0-157.0	1.5	0.1	396.4	0.02	99.72
157.0-158.0	1.8	0.1	396.5	0.02	99.74
158.0-159.0	1.6	0.1	396.6	0.02	99.75
159.0-160.0	1.8	0.1	396.6	0.02	99.77
160.0-161.0	2.3	0.1	396.7	0.02	99.79
161.0-162.0	2.3	0.1	396.8	0.02	99.81
162.0-163.0	1.8	0.1	396.8	0.02	99.83
163.0-164.0	1.9	0.1	396.9	0.01	99.84
164.0-165.0	2.3	0.1	397.0	0.02	99.86
165.0-166.0	2.4	0.1	397.0	0.02	99.87
166.0-167.0	2.5	0.1	397.1	0.02	99.89
167.0-168.0	2.5	0.1	397.2	0.01	99.91
168.0-169.0	2.4	0.1	397.2	0.01	99.92
169.0-170.0	2.9	0.1	397.3	0.01	99.93
170.0-171.0	2.7	0.0	397.3	0.01	99.95
171.0-172.0	2.2	0.0	397.4	0.01	99.95
172.0-173.0	3.0	0.0	397.4	0.01	99.97
173.0-174.0	3.0	0.0	397.4	0.01	99.97
174.0-175.0	3.1	0.0	397.5	0.01	99.98
175.0-176.0	3.3	0.0	397.5	0.01	99.99
176.0-177.0	2.6	0.0	397.5	0.00	99.99
177.0-178.0	2.6	0.0	397.5	0.00	100.00
178.0-179.0	2.8	0.0	397.5	0.00	100.00
179.0-180.0	2.9	0.0	397.5	0.00	100.00

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	1412.2	1412.6	1389.5	1364.7	1412.2	1412.6	1389.5	1364.7	1412.2	
G1.0	1400.4	1411.8	1383.1	1333.3	1416.9	1394.2	1385.2	1388.1	1400.4	
G2.0	1376.1	1411.5	1365.0	1291.4	1404.3	1369.2	1374.6	1399.1	1376.1	
G3.0	1344.3	1397.5	1336.3	1237.7	1379.3	1328.3	1347.7	1400.7	1344.3	
G4.0	1304.7	1374.0	1296.4	1178.4	1348.3	1277.6	1310.9	1389.4	1304.7	
G5.0	1255.9	1338.4	1243.7	1109.7	1306.3	1216.4	1268.1	1364.0	1255.9	
G6.0	1190.5	1293.5	1183.9	1028.6	1253.7	1149.9	1202.0	1328.9	1190.5	
G7.0	1125.2	1240.8	1118.0	952.0	1192.0	1079.6	1134.1	1283.6	1125.2	
G8.0	1062.1	1173.8	1046.4	876.7	1118.0	1004.6	1064.9	1229.4	1062.1	
G9.0	980.4	1105.0	963.3	795.5	1042.3	932.9	989.7	1158.2	980.4	
G10.0	904.3	1026.6	885.8	720.2	967.9	855.4	906.3	1091.2	904.3	
G11.0	819.8	947.9	808.5	646.0	888.2	776.8	831.8	1012.3	819.8	
G12.0	747.4	868.9	731.5	579.9	812.8	702.0	758.7	940.6	747.4	
G13.0	668.8	786.1	656.3	512.1	739.6	633.0	690.7	859.7	668.8	
G14.0	597.1	709.5	587.3	446.7	668.5	568.1	623.8	790.1	597.1	
G15.0	532.4	635.9	515.9	390.9	598.3	507.7	553.6	714.4	532.4	
G16.0	469.8	566.3	454.4	342.1	530.6	450.1	493.0	640.6	469.8	
G17.0	412.9	502.2	393.1	293.6	470.2	397.8	436.6	572.6	412.9	
G18.0	360.5	440.8	342.9	255.9	415.1	353.7	384.3	509.0	360.5	
G19.0	310.5	386.0	292.8	220.6	366.9	309.8	334.5	451.9	310.5	
G20.0	272.5	335.4	248.8	190.9	322.4	272.6	293.3	398.1	272.5	
G21.0	234.7	290.2	217.6	165.5	284.4	241.3	262.1	349.9	234.7	
G22.0	197.1	246.7	181.2	143.9	247.7	215.5	228.6	306.3	197.1	
G23.0	169.3	211.1	154.1	125.3	217.4	190.6	196.4	264.1	169.3	
G24.0	145.4	180.6	134.8	109.1	189.5	163.9	172.6	231.4	145.4	
G25.0	124.4	156.6	114.9	91.1	165.8	145.2	151.5	203.8	124.4	
G26.0	110.3	132.2	98.2	79.8	144.2	132.8	137.4	176.5	110.3	
G27.0	92.9	112.3	80.6	75.0	127.5	119.3	121.4	152.5	92.9	
G28.0	80.0	99.7	73.3	66.4	112.4	106.3	107.4	133.4	80.0	
G29.0	73.4	86.4	64.1	59.5	98.1	94.5	95.1	116.5	73.4	
G30.0	61.6	75.9	56.5	49.1	86.3	81.0	80.4	102.6	61.6	
G31.0	54.2	67.0	50.1	48.3	76.8	76.1	71.3	89.8	54.2	
G32.0	47.6	58.8	44.5	39.0	66.7	65.2	66.8	78.5	47.6	
G33.0	42.4	52.1	37.8	39.9	59.1	61.3	59.9	69.4	42.4	
G34.0	41.6	42.4	36.0	36.6	54.3	55.4	54.0	60.7	41.6	
G35.0	34.8	38.0	32.7	33.5	47.5	48.2	49.0	54.1	34.8	
G36.0	34.7	38.2	29.8	26.8	43.0	44.0	44.6	48.2	34.7	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	28.5	30.9	27.1	24.7	40.2	41.1	40.4	45.2	28.5	
G38.0	29.6	31.8	24.6	22.7	35.0	37.0	33.3	40.8	29.6	
G39.0	27.7	25.9	23.3	25.2	33.5	34.2	33.6	34.3	27.7	
G40.0	22.1	27.2	21.5	19.8	28.8	31.3	31.2	31.1	22.1	
G41.0	20.4	25.1	20.0	18.9	28.2	28.5	29.0	31.8	20.4	
G42.0	22.8	23.1	18.6	21.6	24.4	26.3	26.7	29.4	22.8	
G43.0	17.7	21.5	17.5	16.4	24.5	24.2	21.8	27.3	17.7	
G44.0	20.2	18.9	18.2	19.5	23.0	22.2	23.2	21.6	20.2	
G45.0	19.1	18.6	17.4	18.5	19.6	20.6	18.9	24.0	19.1	
G46.0	14.2	17.5	17.1	17.5	18.2	22.2	17.7	22.6	14.2	
G47.0	17.2	16.7	16.5	13.5	19.4	17.9	19.4	17.1	17.2	
G48.0	12.6	15.2	12.6	15.9	18.5	20.5	18.4	20.4	12.6	
G49.0	11.9	14.2	12.0	12.2	15.3	15.8	14.7	19.3	11.9	
G50.0	11.5	13.2	11.2	12.0	17.0	14.9	13.9	14.1	11.5	
G51.0	14.9	12.3	10.4	11.7	16.4	18.2	15.9	17.5	14.9	
G52.0	10.5	11.6	9.9	11.1	15.9	17.5	12.2	16.7	10.5	
G53.0	13.9	13.8	9.5	11.1	15.3	12.5	14.6	11.8	13.9	
G54.0	13.2	10.4	13.3	11.0	14.8	11.7	13.9	15.0	13.2	
G55.0	12.9	13.2	8.6	11.4	11.5	10.9	10.4	10.6	12.9	
G56.0	8.3	13.0	8.2	10.6	10.8	10.2	10.0	10.1	8.3	
G57.0	11.6	8.6	7.9	9.9	10.1	13.6	9.3	9.5	11.6	
G58.0	7.4	8.1	7.4	9.7	9.5	9.0	8.7	12.7	7.4	
G59.0	10.9	7.5	6.9	8.6	11.9	8.4	11.1	8.7	10.9	
G60.0	6.3	6.9	10.6	9.1	8.1	11.2	10.5	8.2	6.3	
G61.0	10.0	6.5	10.0	7.2	7.4	7.3	6.8	10.8	10.0	
G62.0	9.7	6.1	5.6	6.5	6.9	9.7	9.5	10.2	9.7	
G63.0	5.2	10.0	8.9	5.8	9.8	6.7	5.5	9.6	5.2	
G64.0	8.9	9.4	8.4	7.9	5.8	8.1	8.3	6.1	8.9	
G65.0	8.4	8.9	4.3	4.5	9.1	6.1	4.1	8.5	8.4	
G66.0	8.0	4.6	7.4	7.2	8.6	6.7	3.5	7.9	8.0	
G67.0	3.7	4.3	3.6	6.9	8.2	5.3	3.0	7.3	3.7	
G68.0	3.3	7.1	3.2	6.5	7.8	5.2	6.3	6.8	3.3	
G69.0	6.7	6.6	2.8	2.2	3.1	4.9	5.7	3.8	6.7	
G70.0	6.2	3.5	2.4	5.7	6.9	4.6	5.4	3.3	6.2	
G71.0	5.7	5.2	2.1	5.3	6.6	4.3	5.0	5.1	5.7	
G72.0	1.5	4.7	4.3	4.9	6.1	2.4	4.3	2.3	1.5	
G73.0	5.0	2.9	1.3	0.2	1.4	1.8	0.0	1.8	5.0	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	0.9	3.2	0.9	4.2	5.3	1.1	3.7	1.1	0.9	
G75.0	0.5	2.5	0.5	3.8	0.6	0.6	3.3	3.0	0.5	
G76.0	0.2	2.4	0.1	3.3	0.2	3.2	2.8	2.6	0.2	
G77.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	2.2	0.0	
G78.0	0.0	0.9	1.3	2.3	0.0	2.6	0.0	1.6	0.0	
G79.0	2.9	0.3	0.7	0.0	3.4	2.3	0.0	1.1	2.9	
G80.0	2.5	1.6	0.1	0.0	0.0	2.0	0.0	0.0	2.5	
G81.0	2.2	1.3	0.0	1.0	0.0	1.5	0.9	0.0	2.2	
G82.0	0.0	1.2	0.0	0.8	2.1	1.4	0.8	0.1	0.0	
G83.0	1.3	0.0	0.0	0.4	0.0	0.0	0.5	0.0	1.3	
G84.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G86.0	0.0	0.6	0.0	0.0	0.2	0.8	0.0	0.0	0.0	
G87.0	0.0	0.7	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G88.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G89.0	0.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	
G90.0	0.0	0.8	0.0	0.0	0.0	0.7	0.0	0.0	0.0	
G91.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
G92.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G93.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G95.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G99.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G102.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	
G103.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	
G104.0	0.0	0.0	0.0	0.1	0.4	0.0	0.5	0.0	0.0	
G105.0	0.0	0.0	0.0	0.2	0.5	0.0	0.6	0.0	0.0	
G106.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	
G108.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.0	
G109.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	
G110.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.0	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	
G112.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.1	0.0	
G113.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.0	
G114.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	
G115.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	
G116.0	0.0	0.0	0.2	0.0	0.0	0.5	0.5	0.1	0.0	
G117.0	0.0	0.7	0.0	0.9	0.5	0.0	0.0	0.0	0.0	
G118.0	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	
G119.0	0.0	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.0	
G120.0	0.0	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	
G121.0	0.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
G122.0	0.0	0.8	0.8	0.0	0.0	0.9	0.0	0.0	0.0	
G123.0	0.0	1.0	0.8	0.0	0.0	0.9	0.0	0.0	0.0	
G124.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G125.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	
G126.0	0.0	0.8	0.0	0.8	0.0	1.0	0.0	0.0	0.0	
G127.0	0.0	0.7	0.0	0.9	0.0	0.0	0.0	0.0	0.0	
G128.0	0.6	0.6	0.0	0.9	0.0	1.0	0.0	0.0	0.6	
G129.0	0.0	0.5	1.0	0.0	0.0	1.0	0.0	0.0	0.0	
G130.0	0.8	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.8	
G131.0	0.8	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.8	
G132.0	1.0	0.0	0.0	0.9	0.0	1.0	0.2	0.0	1.0	
G133.0	1.1	0.0	0.0	0.9	0.3	0.8	0.3	0.0	1.1	
G134.0	0.0	0.0	0.7	0.0	0.0	1.0	0.0	0.0	0.0	
G135.0	1.3	0.0	0.0	0.0	0.6	1.1	0.0	0.0	1.3	
G136.0	0.0	0.0	0.5	1.0	0.0	1.0	0.9	0.0	0.0	
G137.0	0.0	0.0	0.3	0.0	0.0	1.1	0.0	0.0	0.0	
G138.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	
G139.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
G140.0	0.0	0.1	0.0	1.3	0.0	0.0	1.5	0.0	0.0	
G141.0	0.0	0.5	0.0	1.4	1.6	1.3	0.0	0.0	0.0	
G142.0	1.5	0.8	0.0	0.0	0.0	1.3	0.0	0.0	1.5	
G143.0	0.0	1.0	0.0	0.0	1.8	1.4	1.7	0.0	0.0	
G144.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	0.1	0.0	
G145.0	0.0	1.5	0.3	1.9	1.9	0.0	1.9	0.3	0.0	
G146.0	1.5	0.0	0.8	0.0	0.0	1.7	0.0	0.0	1.5	
G147.0	0.0	0.0	1.1	2.2	1.8	1.8	1.9	0.8	0.0	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	1.3	2.3	1.3	2.4	0.0	1.8	0.0	0.0	1.3	
G149.0	1.4	0.0	0.0	0.0	1.8	2.0	1.8	1.3	1.4	
G150.0	0.1	0.0	0.0	2.8	1.8	0.0	1.5	1.6	0.1	
G151.0	0.3	0.0	2.4	0.0	1.7	0.0	1.7	1.9	0.3	
G152.0	0.8	2.9	2.7	0.0	1.6	0.0	0.0	2.2	0.8	
G153.0	1.4	0.0	3.0	3.4	0.3	0.0	0.1	0.0	1.4	
G154.0	1.4	3.1	0.0	0.0	0.7	0.0	1.4	2.6	1.4	
G155.0	1.9	3.2	0.0	3.8	1.2	2.6	0.9	0.0	1.9	
G156.0	2.3	0.0	0.0	4.0	1.4	0.1	1.2	0.0	2.3	
G157.0	1.4	0.0	3.9	0.1	1.2	2.8	1.6	3.2	1.4	
G158.0	1.4	3.3	4.1	0.2	0.9	2.9	1.0	0.0	1.4	
G159.0	3.3	0.5	0.0	0.4	2.4	0.6	0.9	3.7	3.3	
G160.0	1.4	1.0	4.3	4.8	0.9	0.8	0.8	3.5	1.4	
G161.0	3.9	1.4	4.4	4.9	0.8	0.9	2.9	0.0	3.9	
G162.0	1.4	3.2	4.5	0.7	0.8	3.2	3.2	0.0	1.4	
G163.0	1.4	3.2	4.5	0.6	0.7	1.1	0.6	0.0	1.4	
G164.0	1.4	3.0	4.5	0.8	0.6	3.3	0.6	4.0	1.4	
G165.0	1.4	2.9	1.2	5.2	4.0	3.4	0.5	0.1	1.4	
G166.0	1.4	3.1	1.6	5.2	0.5	3.5	4.1	0.3	1.4	
G167.0	1.3	3.4	4.3	1.1	0.4	1.3	4.3	3.9	1.3	
G168.0	1.2	3.7	2.2	1.2	4.4	1.3	4.4	0.8	1.2	
G169.0	5.3	2.4	2.4	1.0	4.6	1.4	0.4	1.0	5.3	
G170.0	5.4	2.3	2.7	5.2	0.4	3.8	4.4	3.6	5.4	
G171.0	5.3	2.1	2.9	1.4	0.4	1.4	0.4	1.5	5.3	
G172.0	5.5	4.7	3.2	1.5	0.5	1.5	0.5	3.3	5.5	
G173.0	1.2	1.8	3.3	5.0	4.7	3.9	4.7	3.0	1.2	
G174.0	1.1	1.6	3.7	4.8	0.6	1.5	4.7	2.8	1.1	
G175.0	5.5	5.1	3.9	4.7	0.8	1.3	4.4	2.8	5.5	
G176.0	5.4	5.2	2.6	4.5	1.3	1.4	1.0	2.3	5.4	
G177.0	1.2	1.2	4.4	4.2	1.6	1.6	1.6	1.7	1.2	
G178.0	5.1	5.3	1.5	2.4	2.2	4.2	2.1	1.5	5.1	
G179.0	4.8	1.3	1.1	2.3	2.8	1.7	2.6	4.6	4.8	
G180.0	3.8	2.7	2.4	5.1	2.0	4.3	4.4	0.8	3.8	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector: