Report No.: **Test Time: 2020-08-31 08:58**

Luminaire Property

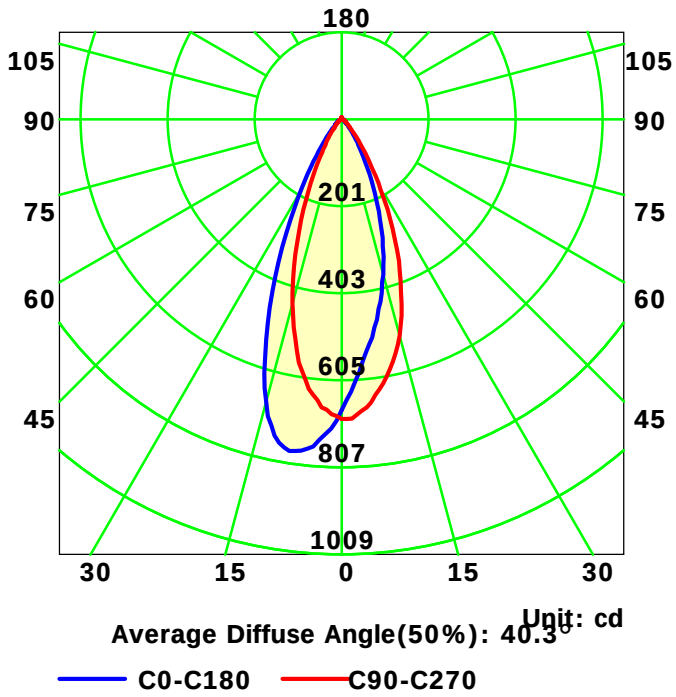
Luminaire Manufacturer:
Luminaire Description: MR0527KSM-53FL **Voltage: 11.8 V**
Current: 0.578 A **Power: 5.30 W**
Power Factor: 0.779

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 399.2 lm**
Measurement Flux: 399.2 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%,75%,100%): H71,H39.9,H26,H9
Vertical Diffuse Angle(10%,50%,75%,100%): V70.5,V40.7,V26.9,V1
Luminaire Efficacy Rating (LER): 75 **Central Intensity: 674.33 cd**
Max. Intensity: 779.29 cd **Pos of Max. Intensity: H180 V9**

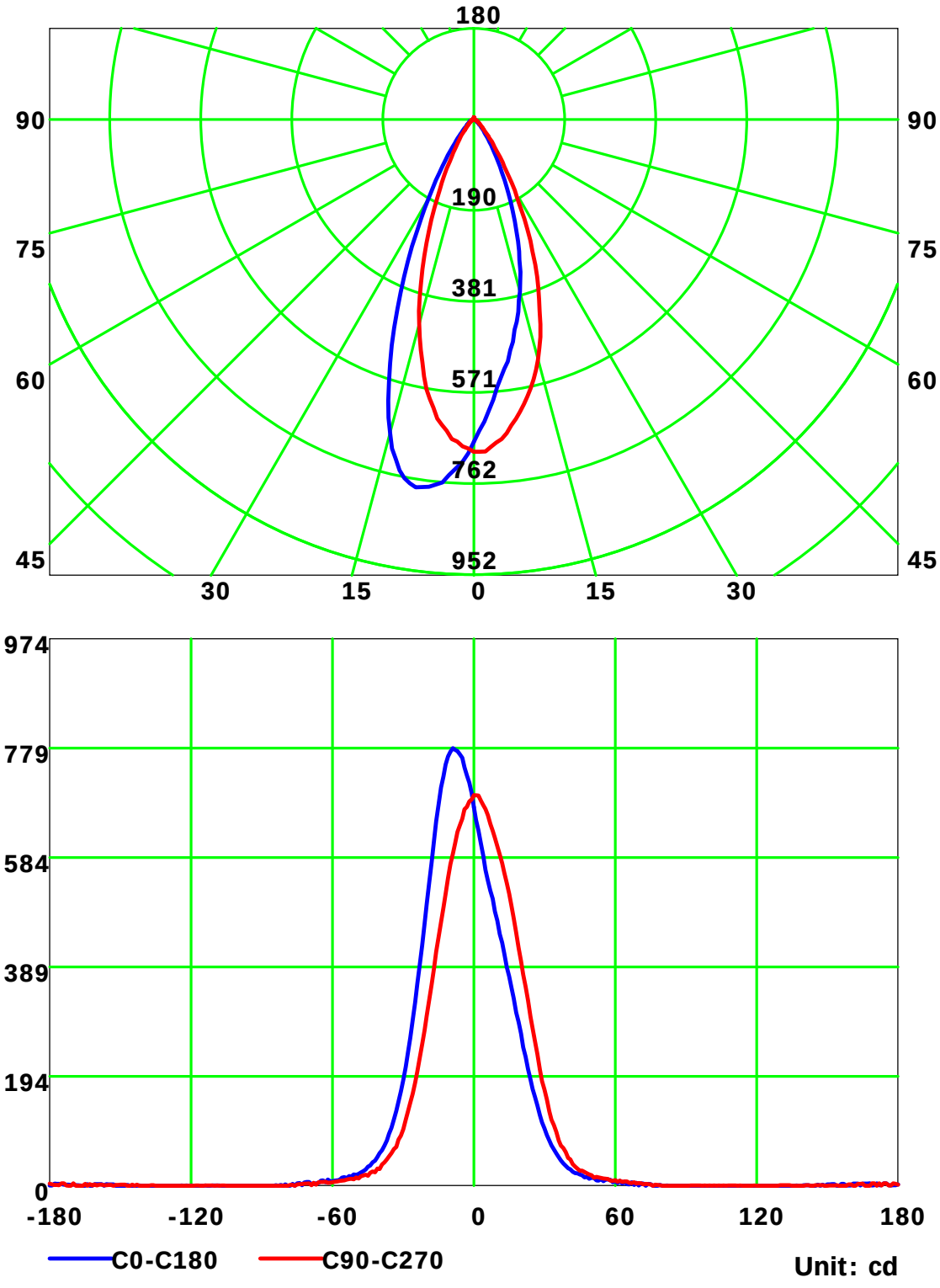
Picture Of Luminaire

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:**

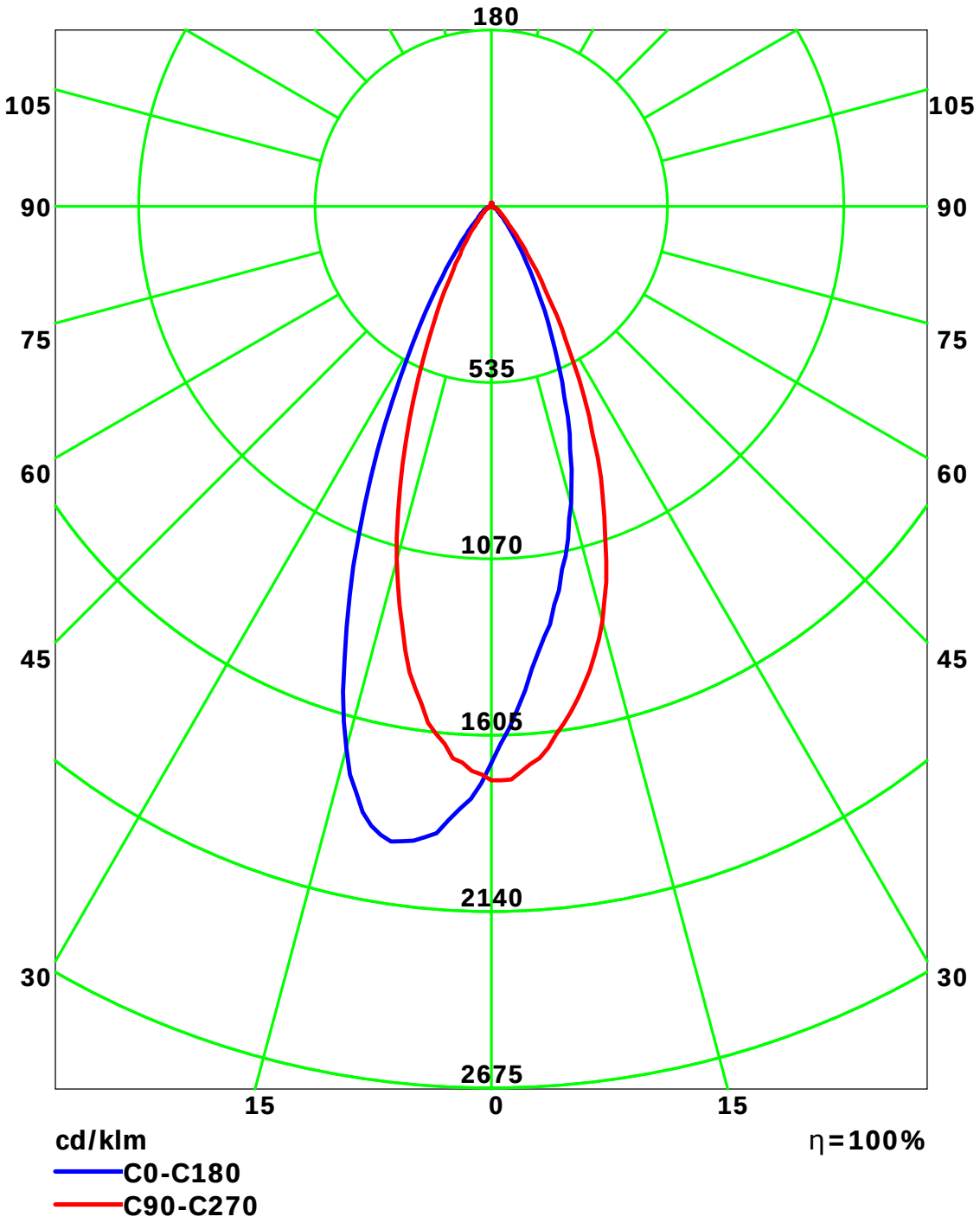
Luminous Intensity Distribution Curve



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:

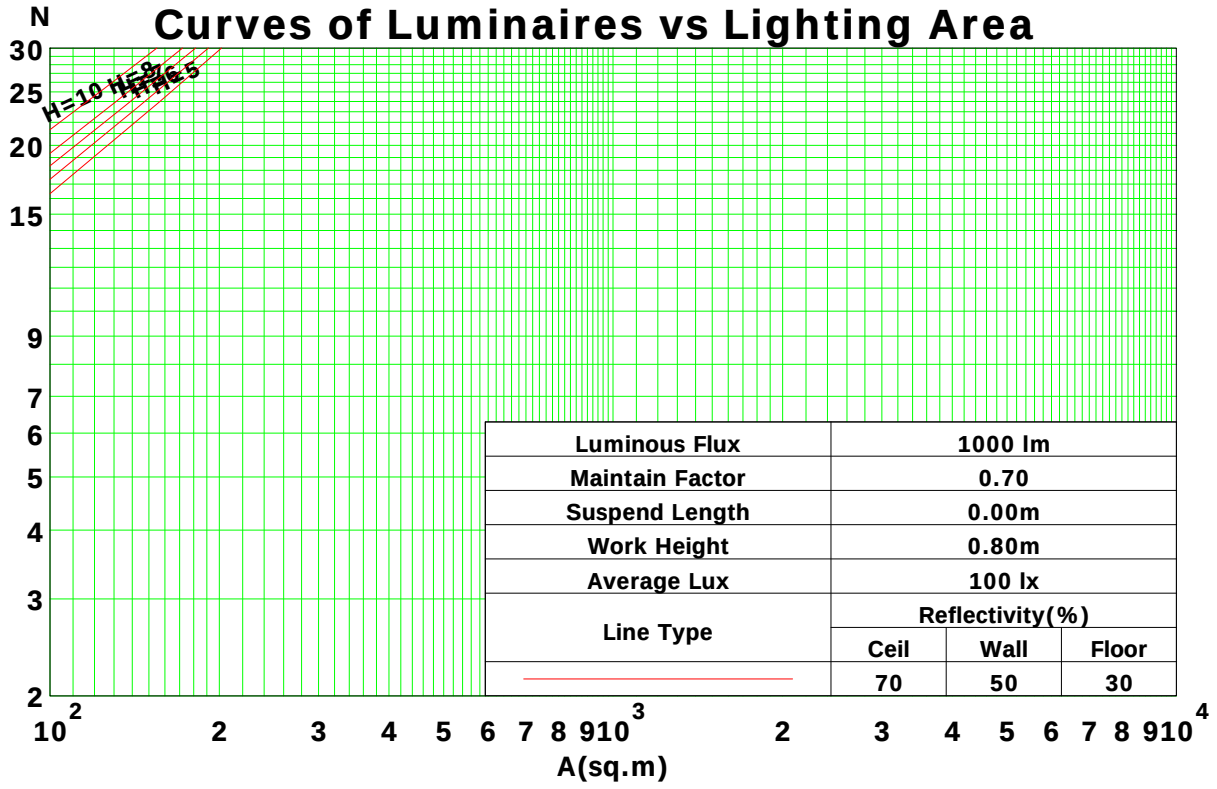
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.177 m
Humidity:
Inspector:

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	113	111	108	106	111	108	106	104	104	103	101	100	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	97	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	83	80	78	76
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	79	76	73	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68
7	85	77	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	62	59	66	62	59	58
10	75	66	61	57	74	66	60	57	65	60	57	64	60	57	63	59	56	55

Spacing Criteria (0-180): 0.71
Spacing Criteria (90-270): 0.65
Spacing Criteria (Diagonal): 0.67

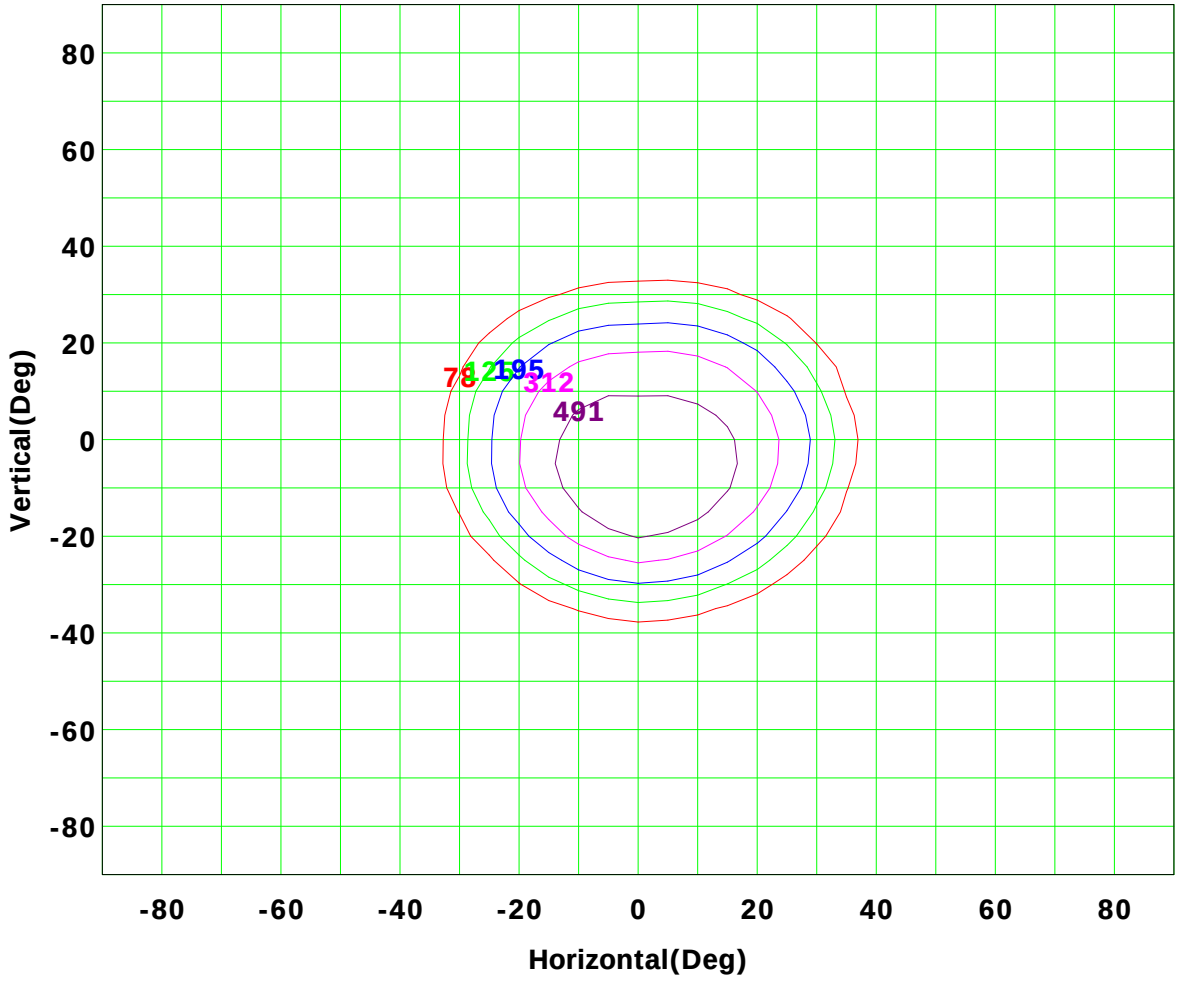
Curves of Luminaires vs Lighting Area



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)



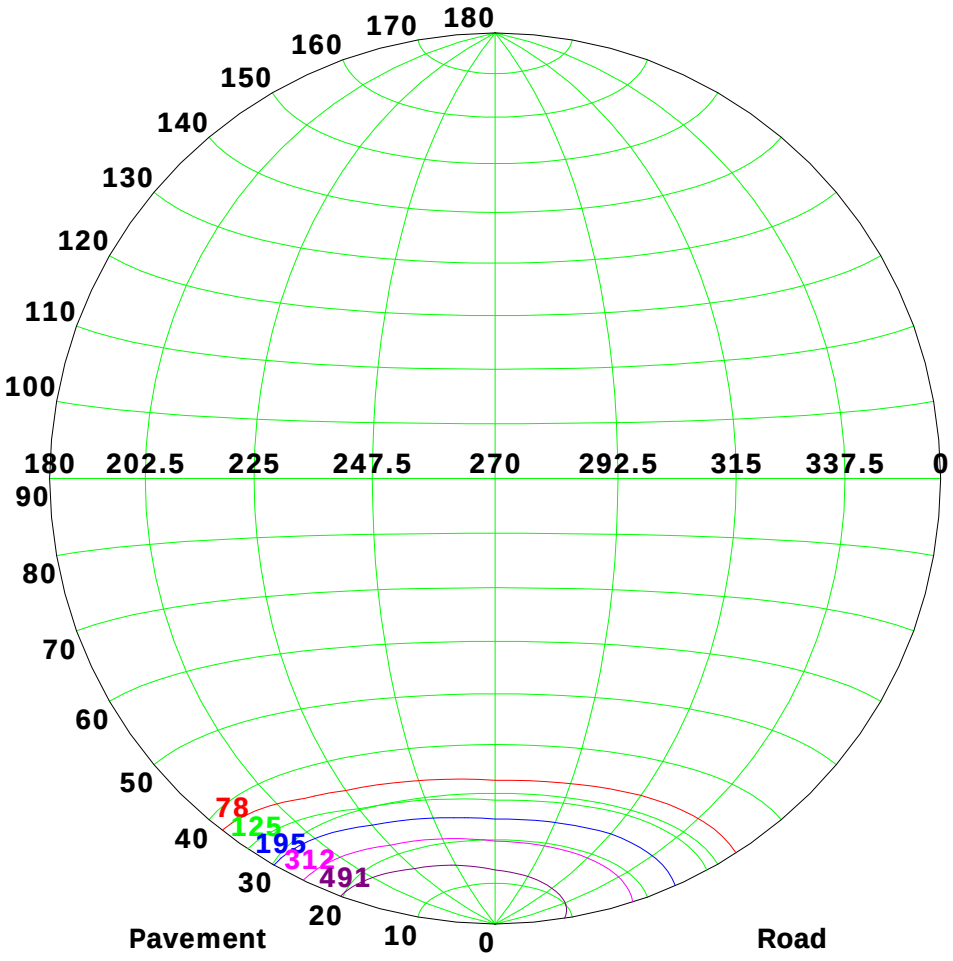
Imax (100%): 779 cd

(10%): 78 cd	(16%): 125 cd
(25%): 195 cd	(40%): 312 cd
(63%): 491 cd	(100%): 779 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)



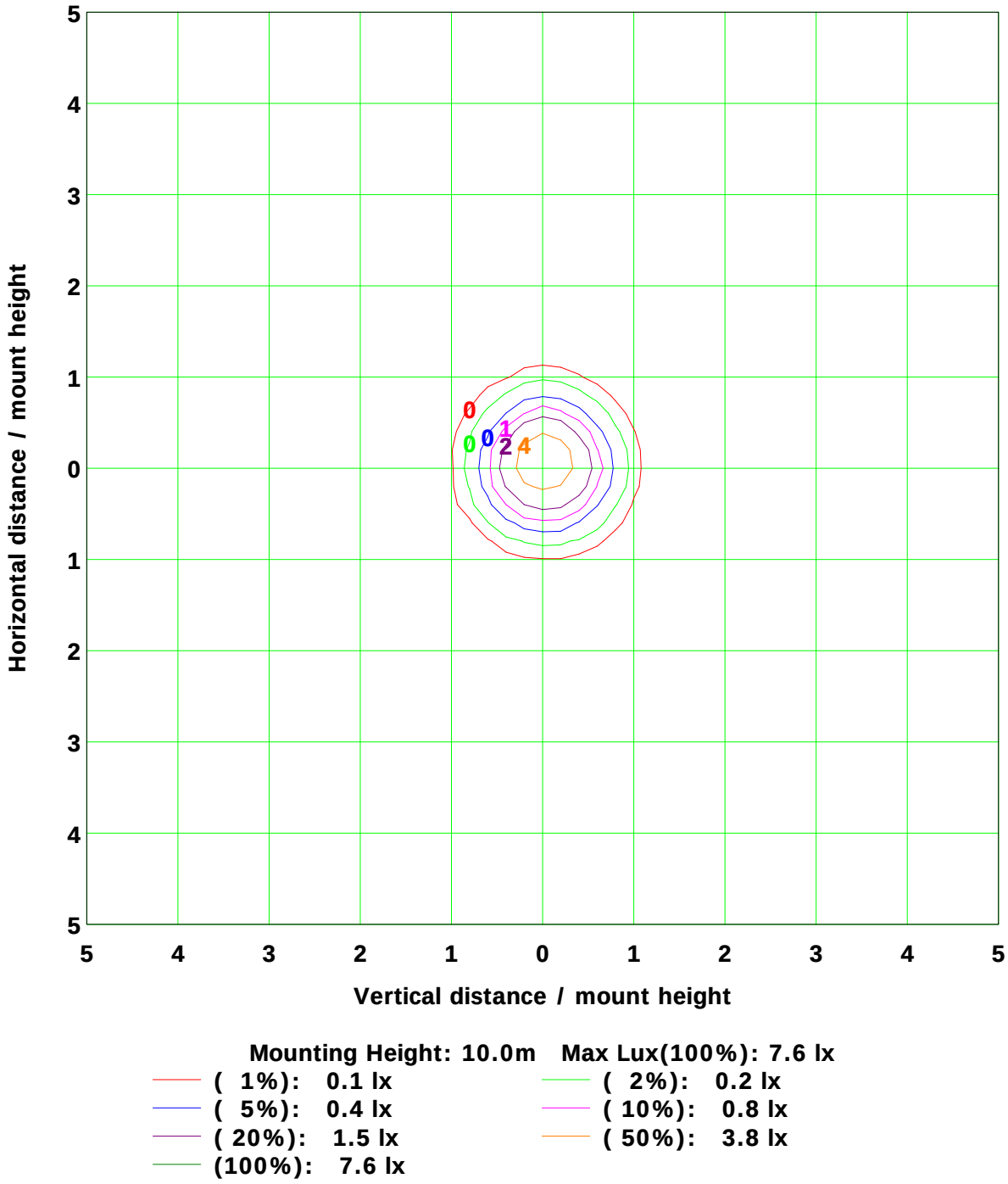
Imax (100%): 779 cd

(10%): 78 cd	(16%): 125 cd
(25%): 195 cd	(40%): 312 cd
(63%): 491 cd	(100%): 779 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



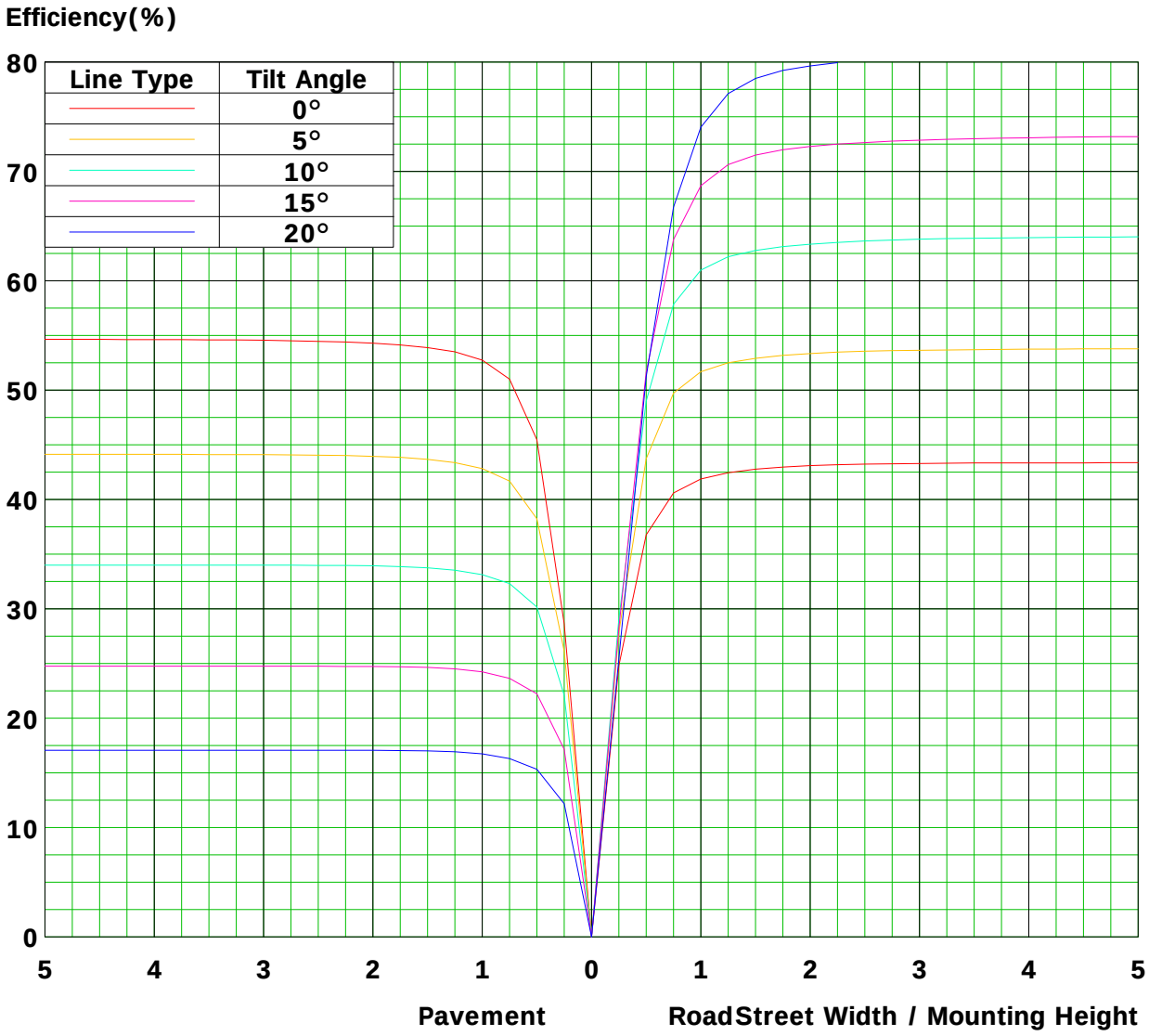
Mounting Height: 10.0m Max Lux(100%): 7.6 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.4 lx	(10%): 0.8 lx
(20%): 1.5 lx	(50%): 3.8 lx
(100%): 7.6 lx	

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:

Roadway CU Curve

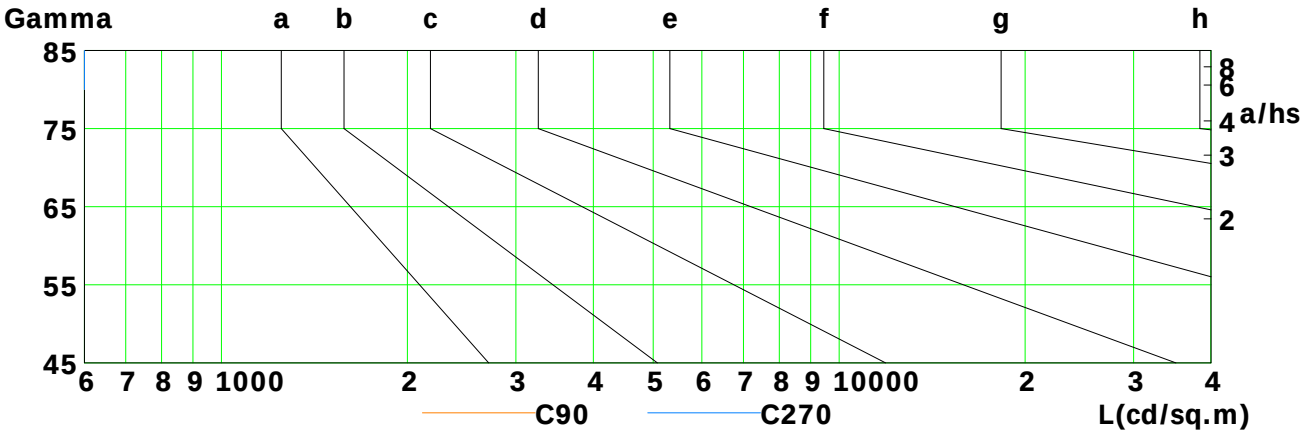


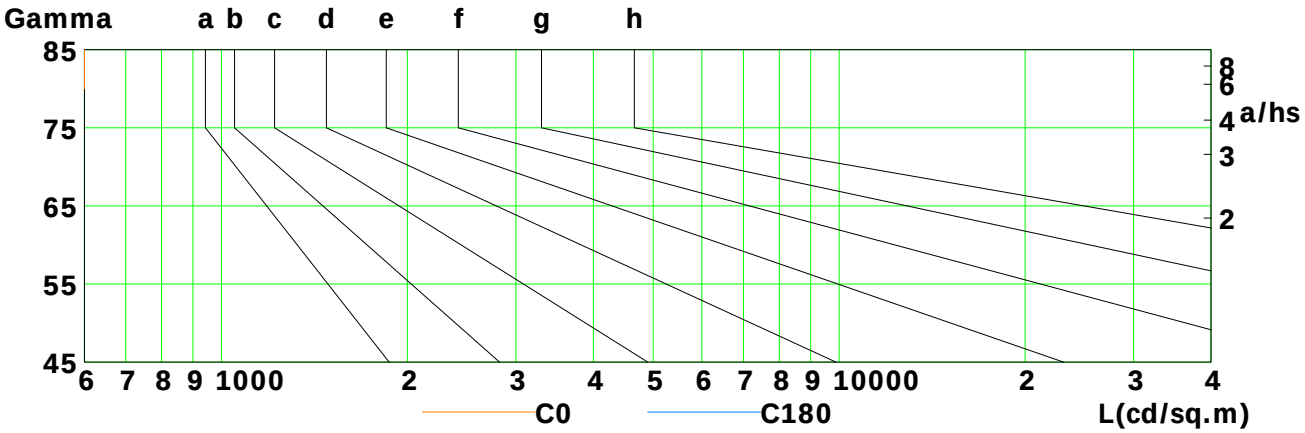
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



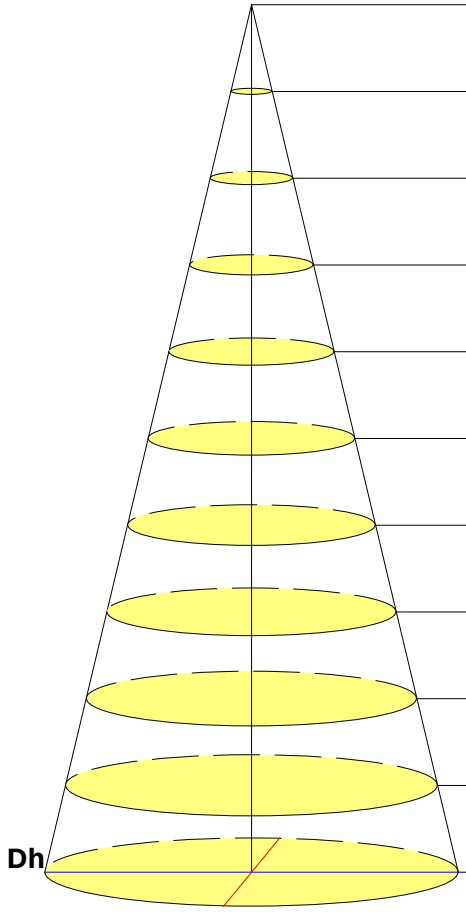


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	20	15	8	10	3	1	3	0	0
C90	27	19	13	10	8	5	3	0	0
C180	34	20	16	8	10	7	5	3	0
C270	18	15	10	7	7	5	3	0	0

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



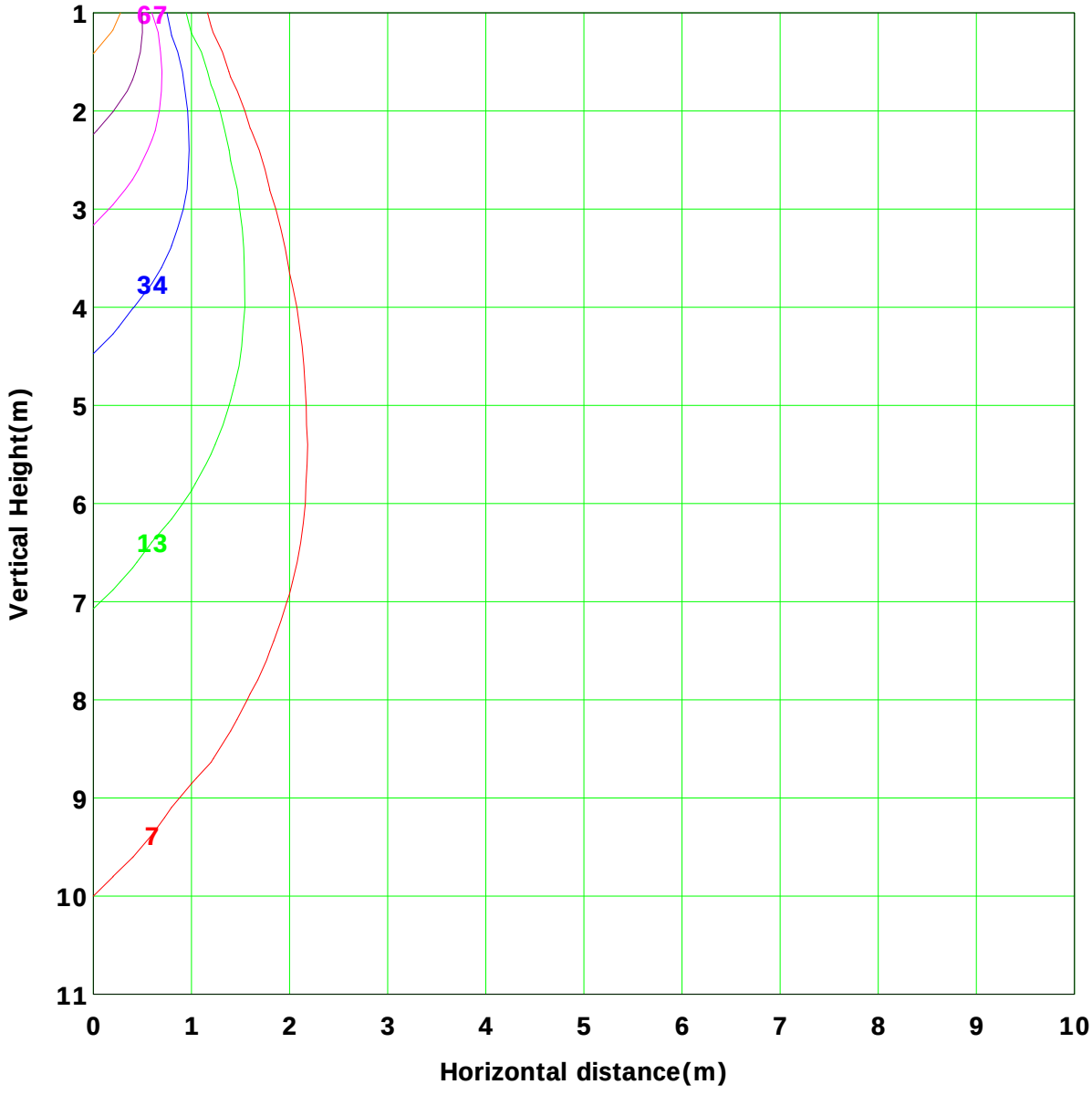
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
5.0	26.97	3.63/3.71	10.7	11.71
10.0	6.74	7.27/7.41	42.7	2.93
15.0	3.00	10.90/11.12	96.0	1.30
20.0	1.69	14.53/14.83	170.6	0.73
25.0	1.08	18.17/18.54	266.6	0.47
30.0	0.75	21.80/22.24	383.9	0.33
35.0	0.55	25.43/25.95	522.6	0.24
40.0	0.42	29.07/29.66	682.6	0.18
45.0	0.33	32.70/33.37	863.9	0.14
50.0	0.27	36.33/37.07	1066.5	0.12

Beam Angle(B): H39.9 V40.7 Field Angle(F): H71.0 V70.5

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: 674.3 lx

(1%): 6.7 lx
(2%): 13.5 lx
(5%): 33.7 lx
(10%): 67.4 lx
(20%): 134.9 lx
(50%): 337.2 lx
(100%): 674.3 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	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	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	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	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	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	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	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	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	0.0	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	0.0	0.0
10.0	0.0	0.1	0.2	0.3	0.5	0.6	1.8	3.7	7.8	10.7	11.0	8.9	5.0	1.9	0.7	0.3	0.2	0.1	0.0	52.6	47.7
20.0	0.0	0.1	0.2	0.2	0.4	0.4	0.8	1.8	3.4	4.7	5.0	4.0	2.3	1.0	0.5	0.3	0.1	0.1	0.0	24.8	19.1
30.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.7	1.1	1.5	1.5	1.3	0.8	0.5	0.3	0.2	0.1	0.0	0.0	9.1	1.2
40.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.2	0.4	0.4	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	3.5	0.0
50.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.6	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.6	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	0.0
90.0	0.0	0.4	1.3	2.4	4.4	9.9	25.8	56.2	84.0	87.1	65.3	35.1	14.0	5.5	2.9	1.6	0.5	0.0	396		
ΦT	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			
ΦE	0.0	0.0	0.0	0.0	0.0	0.0	1.2	20.5	52.4	80.7	83.8	61.8	30.6	5.9	0.0	0.0	0.0				

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

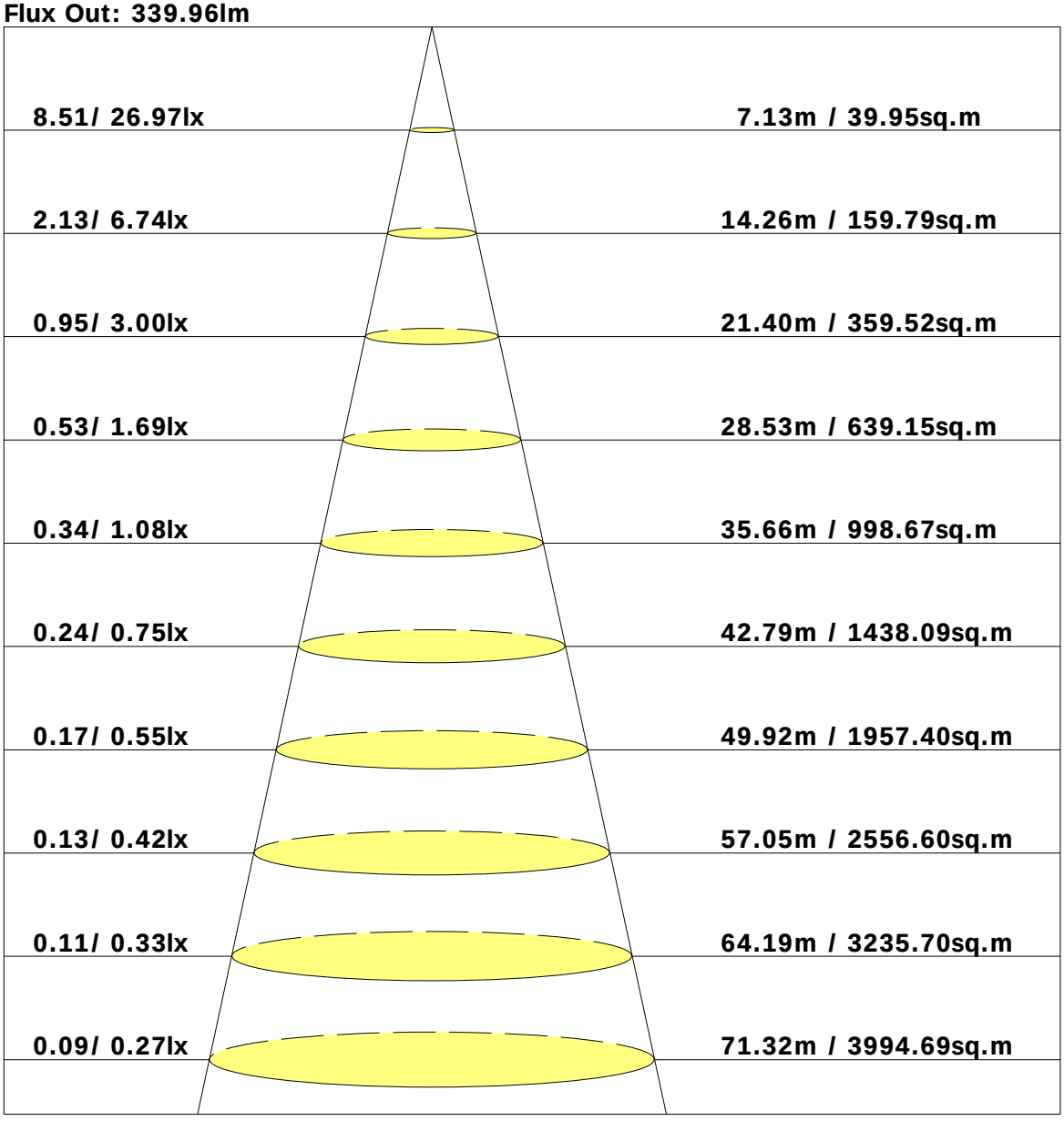
ΦE 337 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

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:

The Average Illuminance Effective Figure

Flux Out: 339.96lm



Height	Avg./Nadir. E	Beam Angle:71.0°	Diameter / Area
5.0m	8.51/ 26.97lx		7.13m / 39.95sq.m
10.0m	2.13/ 6.74lx		14.26m / 159.79sq.m
15.0m	0.95/ 3.00lx		21.40m / 359.52sq.m
20.0m	0.53/ 1.69lx		28.53m / 639.15sq.m
25.0m	0.34/ 1.08lx		35.66m / 998.67sq.m
30.0m	0.24/ 0.75lx		42.79m / 1438.09sq.m
35.0m	0.17/ 0.55lx		49.92m / 1957.40sq.m
40.0m	0.13/ 0.42lx		57.05m / 2556.60sq.m
45.0m	0.11/ 0.33lx		64.19m / 3235.70sq.m
50.0m	0.09/ 0.27lx		71.32m / 3994.69sq.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

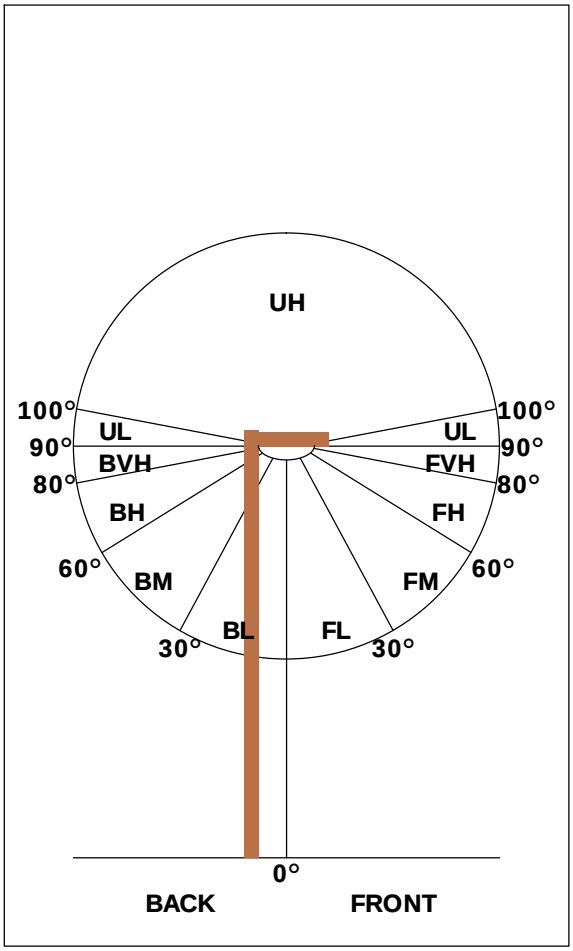
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
3H	1.$	1.$	1.$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



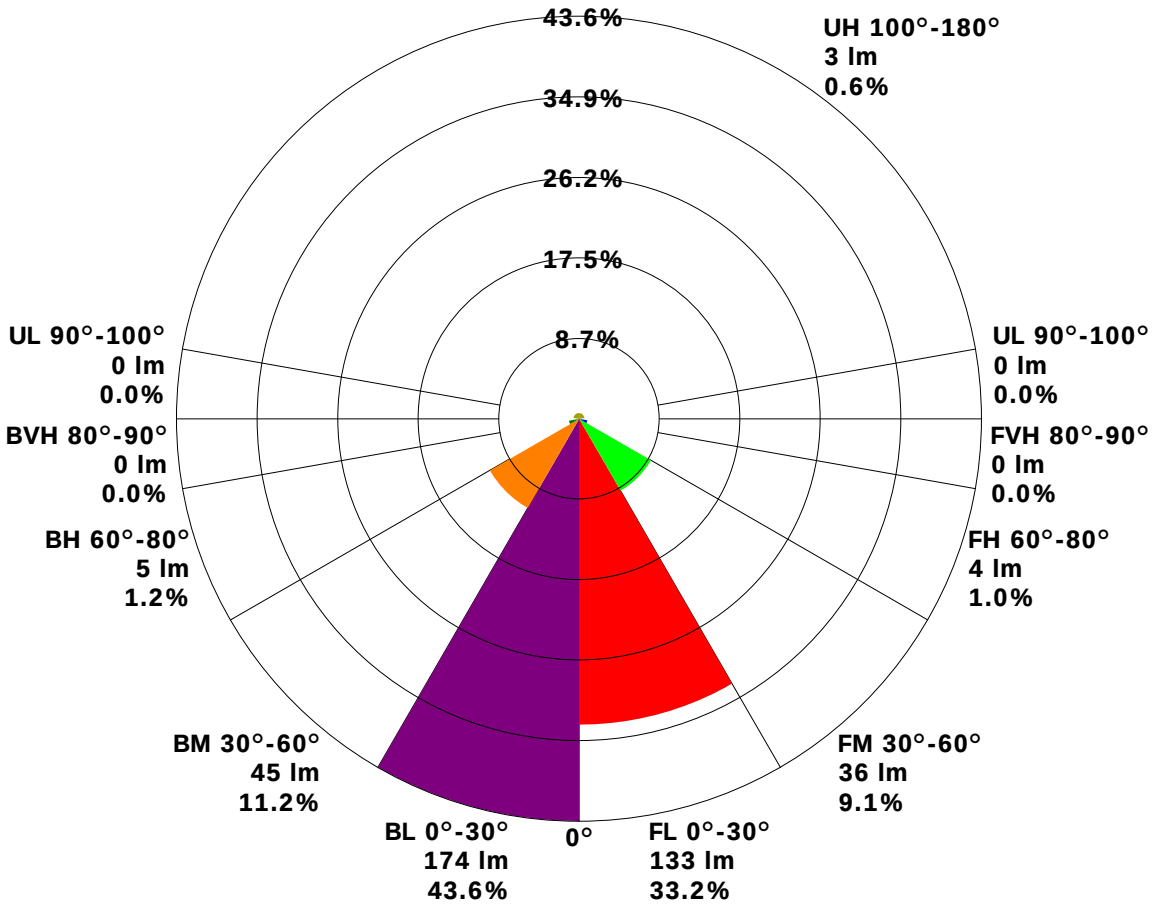
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	173	43.3
FL (0°-30°)	133	33.2
FM (30°-60°)	36	9.1
FH (60°-80°)	4	1.0
FVH (80°-90°)	0	0.0
BACK LIGHT	224	56.1
BL (0°-30°)	174	43.6
BM (30°-60°)	45	11.2
BH (60°-80°)	5	1.2
BVH (80°-90°)	0	0.0
UP LIGHT	3	0.7
UL (90°-100°)	0	0.0
UH (100°-180°)	3	0.6
TRAPPED LIGHT	NA	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 = 0.75								
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	0.86	0.92	0.96	0.99	1.03	1.06	1.08	1.10	1.12
	0.30		0.81	0.88	0.92	0.95	1.00	1.03	1.05	1.08	1.10
	0.20		0.78	0.84	0.89	0.92	0.97	1.00	1.03	1.06	1.08
0.50	0.50	0.20	0.84	0.90	0.94	0.97	1.00	1.03	1.04	1.06	1.07
	0.30		0.80	0.86	0.90	0.93	0.97	1.00	1.02	1.04	1.06
	0.20		0.77	0.84	0.88	0.91	0.95	0.98	1.00	1.03	1.04
0.30	0.50	0.20	0.83	0.89	0.92	0.94	0.98	1.00	1.01	1.03	1.04
	0.30		0.80	0.85	0.89	0.92	0.95	0.98	0.99	1.01	1.02
	0.20		0.77	0.83	0.87	0.90	0.93	0.96	0.98	1.00	1.01
0.00	0.00	0.00	0.75	0.81	0.84	0.87	0.90	0.92	0.94	0.95	0.96

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 = 0.75								
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	0.58	0.47	0.40	0.34	0.27	0.22	0.19	0.15	0.12
	0.30		0.48	0.40	0.35	0.30	0.24	0.20	0.18	0.14	0.11
	0.20		0.41	0.35	0.31	0.27	0.22	0.19	0.16	0.13	0.11
0.50	0.50	0.20	0.55	0.44	0.37	0.32	0.25	0.25	0.17	0.13	0.11
	0.30		0.47	0.38	0.33	0.29	0.23	0.19	0.16	0.13	0.10
	0.20		0.40	0.34	0.29	0.26	0.21	0.18	0.15	0.12	0.10
0.30	0.50	0.20	0.53	0.42	0.35	0.30	0.23	0.19	0.16	0.12	0.10
	0.30		0.45	0.37	0.31	0.27	0.21	0.18	0.15	0.12	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.14	0.11	0.09
0.00	0.00	0.00	0.26	0.20	0.17	0.14	0.11	0.09	0.08	0.06	0.05

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 = 0.75								
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		0.09	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
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21
	0.30		0.09	0.11	0.13	0.14	0.15	0.17	0.17	0.19	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.08	0.10	0.11	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	687.3	0.7	0.7	0.16	0.16
1.0-2.0	685.3	2.0	2.6	0.49	0.66
2.0-3.0	681.2	3.3	5.9	0.82	1.47
3.0-4.0	675.5	4.5	10.4	1.13	2.61
4.0-5.0	668.1	5.7	16.2	1.44	4.05
5.0-6.0	659.2	6.9	23.1	1.74	5.78
6.0-7.0	649.4	8.1	31.1	2.02	7.80
7.0-8.0	638.4	9.1	40.3	2.29	10.09
8.0-9.0	626.3	10.2	50.4	2.54	12.63
9.0-10.0	612.5	11.1	61.5	2.78	15.41
10.0-11.0	595.9	11.9	73.4	2.98	18.39
11.0-12.0	576.5	12.6	86.0	3.16	21.55
12.0-13.0	555.7	13.2	99.2	3.30	24.85
13.0-14.0	534.2	13.7	112.9	3.43	28.28
14.0-15.0	511.5	14.0	126.9	3.52	31.80
15.0-16.0	486.5	14.3	141.2	3.57	35.37
16.0-17.0	460.6	14.3	155.5	3.59	38.96
17.0-18.0	434.0	14.3	169.9	3.58	42.54
18.0-19.0	406.6	14.1	184.0	3.54	46.09
19.0-20.0	379.3	13.9	197.9	3.48	49.57
20.0-21.0	351.8	13.5	211.4	3.38	52.95
21.0-22.0	325.3	13.1	224.5	3.27	56.22
22.0-23.0	299.5	12.6	237.0	3.15	59.37
23.0-24.0	274.0	12.0	249.0	3.00	62.37
24.0-25.0	249.7	11.4	260.4	2.84	65.22
25.0-26.0	226.2	10.7	271.1	2.68	67.89
26.0-27.0	204.2	10.0	281.1	2.50	70.40
27.0-28.0	183.6	9.3	290.4	2.33	72.73
28.0-29.0	163.9	8.6	298.9	2.15	74.87
29.0-30.0	146.5	7.9	306.8	1.98	76.86
30.0-31.0	131.3	7.3	314.1	1.83	78.69
31.0-32.0	116.9	6.7	320.8	1.68	80.36
32.0-33.0	103.6	6.1	326.9	1.53	81.89
33.0-34.0	92.4	5.6	332.5	1.40	83.29
34.0-35.0	82.2	5.1	337.6	1.28	84.57
35.0-36.0	72.7	4.6	342.3	1.16	85.73

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	64.3	4.2	346.5	1.05	86.78
37.0-38.0	57.4	3.8	350.3	0.96	87.74
38.0-39.0	51.3	3.5	353.8	0.88	88.62
39.0-40.0	45.4	3.2	357.0	0.79	89.41
40.0-41.0	40.8	2.9	359.9	0.73	90.14
41.0-42.0	36.4	2.6	362.5	0.66	90.80
42.0-43.0	32.7	2.4	364.9	0.61	91.41
43.0-44.0	29.6	2.2	367.2	0.56	91.97
44.0-45.0	26.4	2.0	369.2	0.51	92.48
45.0-46.0	24.3	1.9	371.1	0.48	92.95
46.0-47.0	22.1	1.8	372.9	0.44	93.39
47.0-48.0	19.8	1.6	374.5	0.40	93.79
48.0-49.0	17.9	1.5	375.9	0.37	94.16
49.0-50.0	16.9	1.4	377.3	0.35	94.51
50.0-51.0	16.0	1.4	378.7	0.34	94.85
51.0-52.0	14.5	1.2	379.9	0.31	95.16
52.0-53.0	13.0	1.1	381.1	0.28	95.45
53.0-54.0	12.4	1.1	382.2	0.27	95.72
54.0-55.0	12.1	1.1	383.2	0.27	95.99
55.0-56.0	11.6	1.0	384.3	0.26	96.26
56.0-57.0	10.8	1.0	385.3	0.25	96.50
57.0-58.0	9.9	0.9	386.2	0.23	96.73
58.0-59.0	9.0	0.8	387.0	0.21	96.94
59.0-60.0	8.8	0.8	387.9	0.21	97.15
60.0-61.0	8.5	0.8	388.7	0.20	97.35
61.0-62.0	8.0	0.8	389.4	0.19	97.54
62.0-63.0	7.5	0.7	390.2	0.18	97.73
63.0-64.0	7.4	0.7	390.9	0.18	97.91
64.0-65.0	7.6	0.8	391.6	0.19	98.10
65.0-66.0	6.5	0.6	392.3	0.16	98.26
66.0-67.0	5.2	0.5	392.8	0.13	98.39
67.0-68.0	4.6	0.5	393.3	0.12	98.51
68.0-69.0	4.2	0.4	393.7	0.11	98.61
69.0-70.0	4.1	0.4	394.1	0.10	98.72
70.0-71.0	4.3	0.4	394.6	0.11	98.83
71.0-72.0	4.2	0.4	395.0	0.11	98.94

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	3.0	0.3	395.3	0.08	99.02
73.0-74.0	2.2	0.2	395.6	0.06	99.08
74.0-75.0	2.8	0.3	395.8	0.07	99.15
75.0-76.0	1.5	0.2	396.0	0.04	99.19
76.0-77.0	0.9	0.1	396.1	0.02	99.21
77.0-78.0	1.2	0.1	396.2	0.03	99.25
78.0-79.0	0.8	0.1	396.3	0.02	99.27
79.0-80.0	0.8	0.1	396.4	0.02	99.29
80.0-81.0	0.4	0.0	396.5	0.01	99.30
81.0-82.0	0.3	0.0	396.5	0.01	99.31
82.0-83.0	0.3	0.0	396.5	0.01	99.32
83.0-84.0	0.3	0.0	396.6	0.01	99.33
84.0-85.0	0.2	0.0	396.6	0.00	99.33
85.0-86.0	0.1	0.0	396.6	0.00	99.33
86.0-87.0	0.0	0.0	396.6	0.00	99.33
87.0-88.0	0.0	0.0	396.6	0.00	99.33
88.0-89.0	0.1	0.0	396.6	0.00	99.34
89.0-90.0	0.0	0.0	396.6	0.00	99.34
90.0-91.0	0.0	0.0	396.6	0.00	99.34
91.0-92.0	0.0	0.0	396.6	0.00	99.34
92.0-93.0	0.1	0.0	396.6	0.00	99.34
93.0-94.0	0.1	0.0	396.6	0.00	99.34
94.0-95.0	0.1	0.0	396.6	0.00	99.34
95.0-96.0	0.1	0.0	396.6	0.00	99.35
96.0-97.0	0.0	0.0	396.6	0.00	99.35
97.0-98.0	0.0	0.0	396.6	0.00	99.35
98.0-99.0	0.0	0.0	396.6	0.00	99.35
99.0-100.0	0.0	0.0	396.6	0.00	99.35
100.0-101.0	0.1	0.0	396.7	0.00	99.35
101.0-102.0	0.1	0.0	396.7	0.00	99.35
102.0-103.0	0.1	0.0	396.7	0.00	99.36
103.0-104.0	0.1	0.0	396.7	0.00	99.36
104.0-105.0	0.1	0.0	396.7	0.00	99.36
105.0-106.0	0.2	0.0	396.7	0.00	99.36
106.0-107.0	0.3	0.0	396.7	0.01	99.37
107.0-108.0	0.3	0.0	396.8	0.01	99.38

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.3	0.0	396.8	0.01	99.39
109.0-110.0	0.3	0.0	396.8	0.01	99.39
110.0-111.0	0.3	0.0	396.9	0.01	99.40
111.0-112.0	0.3	0.0	396.9	0.01	99.41
112.0-113.0	0.3	0.0	396.9	0.01	99.42
113.0-114.0	0.3	0.0	396.9	0.01	99.42
114.0-115.0	0.2	0.0	397.0	0.01	99.43
115.0-116.0	0.1	0.0	397.0	0.00	99.43
116.0-117.0	0.1	0.0	397.0	0.00	99.44
117.0-118.0	0.2	0.0	397.0	0.01	99.44
118.0-119.0	0.2	0.0	397.0	0.01	99.45
119.0-120.0	0.3	0.0	397.1	0.01	99.45
120.0-121.0	0.2	0.0	397.1	0.00	99.46
121.0-122.0	0.1	0.0	397.1	0.00	99.46
122.0-123.0	0.2	0.0	397.1	0.00	99.46
123.0-124.0	0.2	0.0	397.1	0.00	99.47
124.0-125.0	0.2	0.0	397.1	0.00	99.47
125.0-126.0	0.1	0.0	397.1	0.00	99.47
126.0-127.0	0.2	0.0	397.2	0.00	99.48
127.0-128.0	0.2	0.0	397.2	0.00	99.48
128.0-129.0	0.1	0.0	397.2	0.00	99.48
129.0-130.0	0.2	0.0	397.2	0.00	99.49
130.0-131.0	0.3	0.0	397.2	0.01	99.50
131.0-132.0	0.3	0.0	397.3	0.01	99.50
132.0-133.0	0.3	0.0	397.3	0.01	99.51
133.0-134.0	0.4	0.0	397.3	0.01	99.52
134.0-135.0	0.3	0.0	397.3	0.01	99.52
135.0-136.0	0.3	0.0	397.4	0.01	99.53
136.0-137.0	0.5	0.0	397.4	0.01	99.54
137.0-138.0	0.4	0.0	397.4	0.01	99.54
138.0-139.0	0.2	0.0	397.4	0.00	99.55
139.0-140.0	0.2	0.0	397.5	0.00	99.55
140.0-141.0	0.4	0.0	397.5	0.01	99.56
141.0-142.0	0.5	0.0	397.5	0.01	99.57
142.0-143.0	0.4	0.0	397.5	0.01	99.57
143.0-144.0	0.3	0.0	397.6	0.01	99.58

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	0.5	0.0	397.6	0.01	99.59
145.0-146.0	0.8	0.0	397.6	0.01	99.60
146.0-147.0	0.8	0.1	397.7	0.01	99.61
147.0-148.0	0.9	0.1	397.8	0.01	99.63
148.0-149.0	0.9	0.1	397.8	0.01	99.64
149.0-150.0	0.9	0.0	397.9	0.01	99.65
150.0-151.0	1.0	0.1	397.9	0.01	99.67
151.0-152.0	1.1	0.1	398.0	0.01	99.68
152.0-153.0	1.2	0.1	398.0	0.01	99.69
153.0-154.0	1.2	0.1	398.1	0.02	99.71
154.0-155.0	1.2	0.1	398.1	0.01	99.72
155.0-156.0	1.5	0.1	398.2	0.02	99.74
156.0-157.0	1.8	0.1	398.3	0.02	99.76
157.0-158.0	1.5	0.1	398.4	0.02	99.78
158.0-159.0	1.3	0.1	398.4	0.01	99.79
159.0-160.0	1.6	0.1	398.5	0.02	99.81
160.0-161.0	1.7	0.1	398.5	0.02	99.82
161.0-162.0	1.6	0.1	398.6	0.01	99.84
162.0-163.0	2.0	0.1	398.7	0.02	99.85
163.0-164.0	2.4	0.1	398.7	0.02	99.87
164.0-165.0	2.4	0.1	398.8	0.02	99.89
165.0-166.0	2.0	0.1	398.9	0.01	99.90
166.0-167.0	1.7	0.0	398.9	0.01	99.91
167.0-168.0	1.6	0.0	398.9	0.01	99.92
168.0-169.0	1.6	0.0	399.0	0.01	99.93
169.0-170.0	2.2	0.0	399.0	0.01	99.94
170.0-171.0	2.2	0.0	399.1	0.01	99.95
171.0-172.0	2.0	0.0	399.1	0.01	99.96
172.0-173.0	2.0	0.0	399.1	0.01	99.97
173.0-174.0	2.5	0.0	399.1	0.01	99.98
174.0-175.0	3.2	0.0	399.2	0.01	99.98
175.0-176.0	2.5	0.0	399.2	0.01	99.99
176.0-177.0	2.2	0.0	399.2	0.00	99.99
177.0-178.0	2.7	0.0	399.2	0.00	100.00
178.0-179.0	3.0	0.0	399.2	0.00	100.00
179.0-180.0	2.7	0.0	399.2	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	674.3	679.5	695.4	703.0	674.3	679.5	695.4	703.0	674.3	
G1.0	651.6	665.5	695.5	717.0	698.8	688.0	688.5	687.2	651.6	
G2.0	632.5	647.7	694.9	728.1	718.3	696.5	684.6	669.9	632.5	
G3.0	609.5	627.0	686.0	740.1	731.0	706.4	675.0	651.7	609.5	
G4.0	587.8	610.2	677.7	746.1	745.5	709.4	670.6	633.8	587.8	
G5.0	562.6	593.4	671.2	746.5	762.4	706.5	653.7	613.0	562.6	
G6.0	543.4	576.8	659.9	747.2	768.4	707.1	642.5	592.7	543.4	
G7.0	525.7	560.1	644.7	743.8	774.2	700.0	630.5	572.7	525.7	
G8.0	511.4	545.8	632.5	743.5	776.8	692.9	609.1	551.1	511.4	
G9.0	488.8	531.7	619.6	735.1	779.3	677.1	591.3	534.5	488.8	
G10.0	472.5	513.1	604.9	723.0	773.2	666.8	573.0	515.5	472.5	
G11.0	448.2	499.2	589.9	701.2	764.5	648.5	548.3	493.0	448.2	
G12.0	433.1	479.5	574.6	680.3	750.3	622.8	520.0	470.2	433.1	
G13.0	413.4	462.3	557.3	657.9	729.1	596.3	495.5	448.8	413.4	
G14.0	389.7	444.3	539.5	637.2	709.6	569.8	469.5	427.5	389.7	
G15.0	373.3	428.4	520.3	611.1	679.3	535.5	443.4	405.4	373.3	
G16.0	352.0	406.6	497.5	577.6	649.4	504.2	417.2	382.7	352.0	
G17.0	333.8	388.0	476.2	546.6	614.9	471.2	387.7	363.5	333.8	
G18.0	308.8	372.9	450.9	517.8	575.4	438.7	358.4	339.5	308.8	
G19.0	291.9	351.0	423.9	487.0	539.5	402.1	330.9	316.9	291.9	
G20.0	271.2	333.4	400.3	452.5	502.8	372.5	303.6	289.4	271.2	
G21.0	247.0	312.4	376.6	417.3	467.1	338.0	277.2	267.9	247.0	
G22.0	230.0	289.0	355.0	386.5	428.1	310.4	252.0	250.1	230.0	
G23.0	207.9	271.0	330.3	355.1	393.7	277.0	228.0	228.7	207.9	
G24.0	189.9	250.8	301.6	323.9	360.3	253.8	203.8	208.4	189.9	
G25.0	172.7	227.8	280.4	292.9	327.2	227.9	183.8	189.0	172.7	
G26.0	158.1	207.6	256.9	264.5	295.8	200.0	164.4	170.7	158.1	
G27.0	142.6	189.4	234.1	239.4	264.0	178.2	148.4	153.8	142.6	
G28.0	126.1	174.6	207.3	214.5	236.9	161.5	132.2	134.9	126.1	
G29.0	113.1	153.5	186.3	191.7	211.6	140.4	117.9	120.4	113.1	
G30.0	102.4	137.7	171.4	171.4	188.8	128.0	101.2	107.8	102.4	
G31.0	90.6	127.1	154.0	152.7	168.0	113.9	89.4	95.8	90.6	
G32.0	80.8	113.7	132.7	135.0	150.1	97.1	82.5	86.3	80.8	
G33.0	72.1	102.2	117.7	119.9	133.4	89.2	69.4	75.8	72.1	
G34.0	65.1	91.2	108.4	106.4	118.4	75.7	65.4	67.4	65.1	
G35.0	57.9	80.8	96.1	94.1	103.3	67.0	58.5	59.3	57.9	
G36.0	51.1	67.6	81.1	83.8	93.1	63.0	52.5	53.5	51.1	

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	45.5	64.2	71.8	73.2	81.0	52.3	47.2	47.7	45.5	
G38.0	40.1	57.3	67.4	65.7	71.7	50.5	42.1	41.1	40.1	
G39.0	35.7	46.9	60.2	57.0	63.5	45.3	37.9	38.9	35.7	
G40.0	31.6	45.5	49.7	52.1	58.2	40.9	29.9	32.8	31.6	
G41.0	29.3	36.5	47.5	46.8	51.7	37.0	30.9	32.2	29.3	
G42.0	25.3	36.3	38.8	42.0	45.0	33.5	24.0	26.1	25.3	
G43.0	22.7	32.5	34.3	38.1	41.9	30.4	25.6	26.8	22.7	
G44.0	22.1	29.1	30.3	31.8	36.3	23.7	23.5	24.5	22.1	
G45.0	20.4	26.1	27.0	31.4	34.2	25.4	18.0	18.5	20.4	
G46.0	18.9	23.2	27.4	28.5	29.1	23.5	20.0	16.7	18.9	
G47.0	15.0	18.4	24.8	26.3	26.2	17.6	18.5	19.4	15.0	
G48.0	16.6	16.6	22.5	24.2	23.7	16.1	17.2	13.9	16.6	
G49.0	12.8	17.8	20.6	18.7	21.5	18.9	13.4	12.8	12.8	
G50.0	14.8	14.5	18.9	16.9	19.5	17.7	14.9	16.2	14.8	
G51.0	14.1	15.0	14.6	15.4	20.3	16.7	12.0	15.3	14.1	
G52.0	9.9	12.7	16.3	14.2	16.3	15.8	12.9	10.3	9.9	
G53.0	9.4	12.8	15.2	13.0	17.6	10.7	12.0	9.6	9.4	
G54.0	12.6	11.6	14.2	12.0	13.9	9.8	11.2	12.9	12.6	
G55.0	8.2	11.2	13.4	11.1	15.7	13.4	10.0	12.2	8.2	
G56.0	11.7	11.0	12.7	10.3	14.8	8.5	9.5	11.6	11.7	
G57.0	11.4	9.9	12.1	13.8	10.8	7.8	8.7	7.8	11.4	
G58.0	11.0	9.2	9.3	8.8	10.0	11.6	8.1	7.4	11.0	
G59.0	6.3	8.6	8.7	12.4	9.3	6.7	7.2	9.3	6.3	
G60.0	10.0	9.8	10.3	11.7	8.5	6.2	6.7	8.8	10.0	
G61.0	5.2	7.5	7.7	11.2	7.8	9.9	6.0	8.2	5.2	
G62.0	8.9	6.9	9.2	10.6	11.1	5.2	5.5	7.3	8.9	
G63.0	4.1	9.1	6.8	5.9	6.6	9.0	7.5	6.0	4.1	
G64.0	7.9	5.8	8.1	9.5	10.0	8.4	7.1	6.2	7.9	
G65.0	3.2	8.4	7.8	9.0	9.6	8.0	6.8	5.5	3.2	
G66.0	2.7	4.6	5.4	8.5	4.9	7.6	6.3	5.4	2.7	
G67.0	6.6	4.1	4.8	7.9	4.4	2.9	2.1	5.2	6.6	
G68.0	1.8	3.6	6.3	3.7	3.8	6.7	5.5	5.0	1.8	
G69.0	5.6	3.0	4.0	7.0	3.3	2.0	1.0	4.7	5.6	
G70.0	0.9	2.5	5.2	6.3	7.0	5.8	4.5	2.0	0.9	
G71.0	4.7	1.9	4.8	5.9	6.7	5.1	4.3	1.4	4.7	
G72.0	4.3	5.5	2.4	5.3	6.2	0.5	3.9	3.9	4.3	
G73.0	0.0	5.1	3.7	1.4	1.4	0.1	3.3	0.2	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 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	3.5	4.6	3.2	1.2	5.2	0.0	3.1	0.0	3.5	
G75.0	3.1	0.0	2.8	3.5	4.8	3.5	2.7	3.0	3.1	
G76.0	0.0	0.0	0.3	0.5	0.4	0.0	0.0	0.0	0.0	
G77.0	0.0	3.3	1.9	0.2	3.8	0.0	1.8	2.4	0.0	
G78.0	0.0	2.6	1.5	0.0	0.0	0.0	1.5	0.0	0.0	
G79.0	1.5	0.0	1.1	1.5	0.0	2.0	0.0	1.8	1.5	
G80.0	0.0	0.0	0.0	1.1	2.5	1.6	0.0	0.0	0.0	
G81.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G82.0	0.8	0.0	0.3	0.2	1.7	0.0	0.3	0.0	0.8	
G83.0	0.0	0.9	0.2	0.0	0.0	0.8	0.3	0.0	0.0	
G84.0	0.0	0.6	0.2	0.0	1.0	0.0	0.1	0.0	0.0	
G85.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	
G86.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	
G87.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G88.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	
G89.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G92.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	
G93.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	
G94.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	
G95.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	
G96.0	0.0	0.0	0.6	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	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G100.0	0.0	0.0	0.8	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	0.3	0.0	
G102.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G104.0	0.0	0.0	0.8	0.0	0.0	0.0	0.2	0.0	0.0	
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G106.0	0.0	0.0	0.8	0.0	0.3	0.0	0.5	0.8	0.0	
G107.0	0.0	0.0	0.0	0.0	0.4	0.0	0.6	0.8	0.0	
G108.0	0.0	0.0	0.9	0.0	0.5	0.0	0.0	0.9	0.0	
G109.0	0.0	0.0	0.9	0.0	0.6	0.0	0.8	0.8	0.0	
G110.0	0.0	0.0	0.9	0.0	0.7	0.0	0.0	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	0.9	0.0	0.8	0.0	0.9	0.8	0.0	
G112.0	0.0	0.1	0.0	0.0	0.0	0.0	0.9	0.7	0.0	
G113.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.7	0.0	
G114.0	0.0	0.4	0.0	0.0	0.8	0.0	0.9	0.7	0.0	
G115.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	
G116.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	
G117.0	0.0	0.6	0.0	0.0	0.0	0.0	0.7	0.2	0.0	
G118.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6	0.0	0.0	
G119.0	0.0	0.0	0.9	0.0	0.0	0.7	0.0	0.3	0.0	
G120.0	0.0	0.7	0.0	0.1	0.8	0.9	0.0	0.0	0.0	
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
G122.0	0.0	0.0	0.0	0.2	0.8	1.0	0.0	0.1	0.0	
G123.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G124.0	0.0	0.0	0.0	0.3	0.6	1.0	0.0	0.0	0.0	
G125.0	0.0	0.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	
G126.0	0.0	0.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	
G127.0	0.0	0.8	0.0	0.6	0.0	0.0	0.0	0.0	0.0	
G128.0	0.0	0.8	0.0	0.7	0.0	0.0	0.0	0.0	0.0	
G129.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G130.0	0.2	0.0	1.1	0.8	0.0	0.0	0.0	0.0	0.2	
G131.0	0.2	0.0	1.1	0.9	0.0	1.0	0.0	0.0	0.2	
G132.0	0.0	0.0	1.2	0.0	0.0	0.0	0.3	0.0	0.0	
G133.0	0.3	0.8	1.2	0.0	0.0	0.9	0.0	0.0	0.3	
G134.0	0.0	0.9	1.2	0.0	0.0	0.8	0.0	0.0	0.0	
G135.0	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	
G136.0	0.0	0.8	0.0	1.3	0.0	0.7	1.2	0.0	0.0	
G137.0	0.8	0.8	0.0	1.4	0.0	0.0	1.4	0.0	0.8	
G138.0	0.0	0.8	0.0	1.3	0.0	0.0	0.0	0.0	0.0	
G139.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G140.0	1.1	0.5	0.0	0.0	0.1	0.3	0.0	0.0	1.1	
G141.0	1.1	0.0	1.4	1.7	0.3	0.1	0.0	0.0	1.1	
G142.0	1.4	0.6	1.3	0.0	0.6	0.0	0.0	0.0	1.4	
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.1	0.0	
G144.0	0.0	0.5	0.0	1.9	0.0	0.1	0.0	0.3	0.0	
G145.0	0.0	0.4	1.2	1.9	0.0	0.0	2.1	0.3	0.0	
G146.0	2.1	0.3	1.2	2.0	0.0	0.6	0.0	0.4	2.1	
G147.0	0.0	0.6	1.1	2.1	1.6	0.9	0.0	0.5	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	2.4	0.9	1.0	0.0	0.0	1.1	2.0	0.7	2.4	
G149.0	0.0	0.0	0.0	2.2	0.0	1.3	2.2	0.8	0.0	
G150.0	2.7	0.0	0.0	2.2	0.0	0.0	2.1	0.9	2.7	
G151.0	2.8	0.0	0.8	0.0	0.0	1.8	1.8	1.0	2.8	
G152.0	2.9	2.3	0.7	0.0	0.0	0.0	1.9	0.9	2.9	
G153.0	3.1	0.0	0.8	2.3	2.6	0.0	0.3	1.1	3.1	
G154.0	0.2	2.9	1.1	0.0	2.7	0.0	1.6	1.2	0.2	
G155.0	0.3	3.2	0.4	0.0	2.8	0.0	1.5	1.3	0.3	
G156.0	3.5	3.4	0.5	2.4	2.9	0.0	1.3	1.4	3.5	
G157.0	3.6	3.6	0.4	0.0	0.0	3.1	1.2	1.5	3.6	
G158.0	0.6	3.7	0.2	0.0	3.0	0.0	1.9	1.3	0.6	
G159.0	0.6	0.0	2.6	0.3	3.1	0.0	2.2	1.6	0.6	
G160.0	0.7	0.0	2.9	2.4	3.1	3.6	0.8	1.8	0.7	
G161.0	3.9	0.0	0.3	0.5	3.1	0.0	2.8	1.6	3.9	
G162.0	4.0	4.0	0.3	2.4	0.0	0.0	0.6	1.7	4.0	
G163.0	4.1	0.0	3.6	2.4	0.0	3.8	3.3	2.1	4.1	
G164.0	0.7	3.9	3.8	2.4	3.1	3.9	0.4	1.8	0.7	
G165.0	4.2	3.8	3.9	1.7	0.3	0.0	3.6	1.8	4.2	
G166.0	4.3	3.6	0.3	2.3	0.3	0.0	0.2	1.9	4.3	
G167.0	4.1	3.5	0.3	2.1	0.8	0.1	0.2	2.5	4.1	
G168.0	4.3	1.5	0.3	2.4	1.0	0.3	0.0	2.5	4.3	
G169.0	0.9	1.8	4.5	2.2	1.1	0.5	0.2	2.6	0.9	
G170.0	1.0	2.0	4.6	2.8	2.7	0.7	4.5	2.7	1.0	
G171.0	4.4	2.7	0.4	2.0	1.9	0.9	0.4	2.0	4.4	
G172.0	1.0	2.5	4.7	3.3	2.2	1.2	0.4	2.9	1.0	
G173.0	1.0	2.8	0.5	3.4	2.1	1.2	0.5	2.9	1.0	
G174.0	4.4	3.2	4.8	1.8	2.1	1.7	4.5	2.8	4.4	
G175.0	4.5	3.4	4.6	1.5	3.2	2.1	4.4	2.0	4.5	
G176.0	1.0	1.7	0.8	1.6	3.4	2.4	1.1	3.1	1.0	
G177.0	0.9	4.0	0.8	4.1	3.8	2.7	1.5	2.3	0.9	
G178.0	1.1	4.4	4.4	1.3	4.2	3.3	1.8	3.1	1.1	
G179.0	1.1	4.8	3.5	4.6	0.9	3.8	2.6	2.4	1.1	
G180.0	2.5	2.4	2.3	4.9	0.6	0.6	4.2	2.7	2.5	

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: