

Report No.:

Test Time: 2020-10-30 17:29

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS023W12V30KD60 (不帶帽沿, 3.6W)

Lamp Catalog: L9-37-B

Lamp Description: DDC1T-500

Voltage: 12.0 V

Current: 0.381 A

Power: 3.56 W

Power Factor: 0.776

Volt Amps: 4.59 VA

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 319.7 lm

Measurement Flux: 319.7 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%,75%,100%): H83.5,H51,H35.7,H7

Vertical Diffuse Angle(10%,50%,75%,100%): V84.6,V51.4,V36.1,V4

Luminaire Efficacy Rating (LER): 89.85

Central Intensity: 403.44 cd

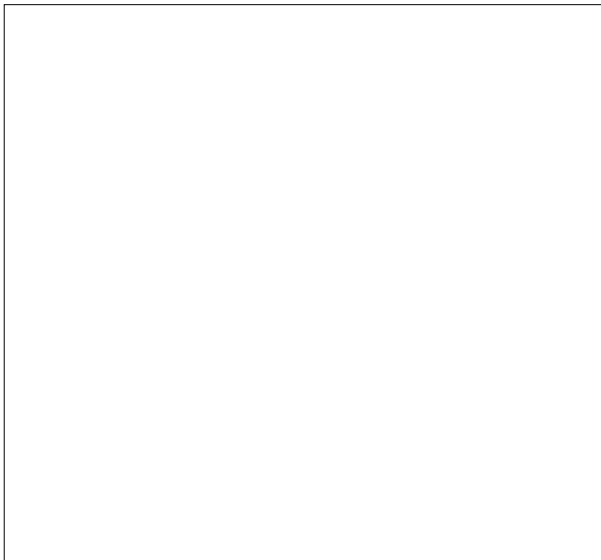
Max. Intensity: 409.08 cd

Pos of Max. Intensity: H60 V4

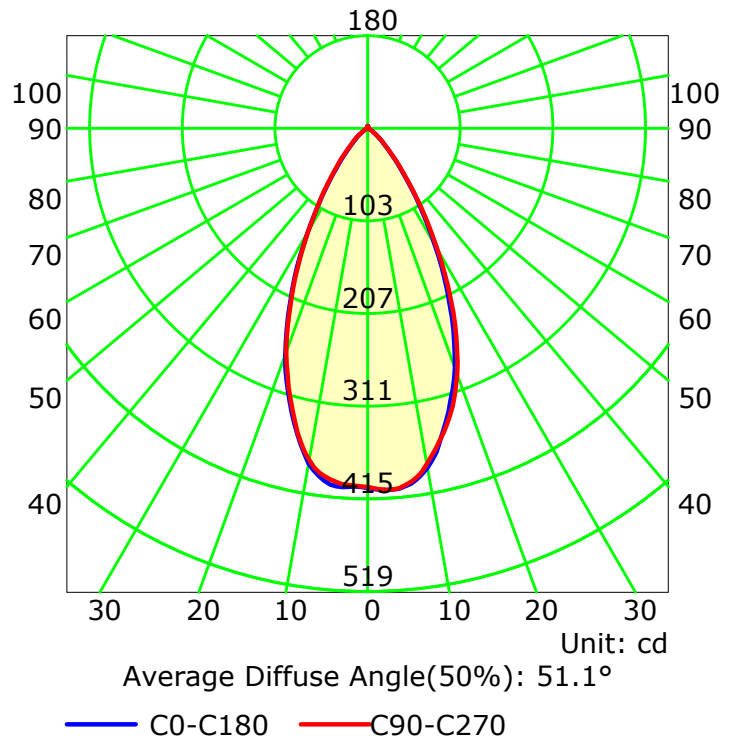
S/MH(C0/C180): 0.80

S/MH(C90/C270): 0.81

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

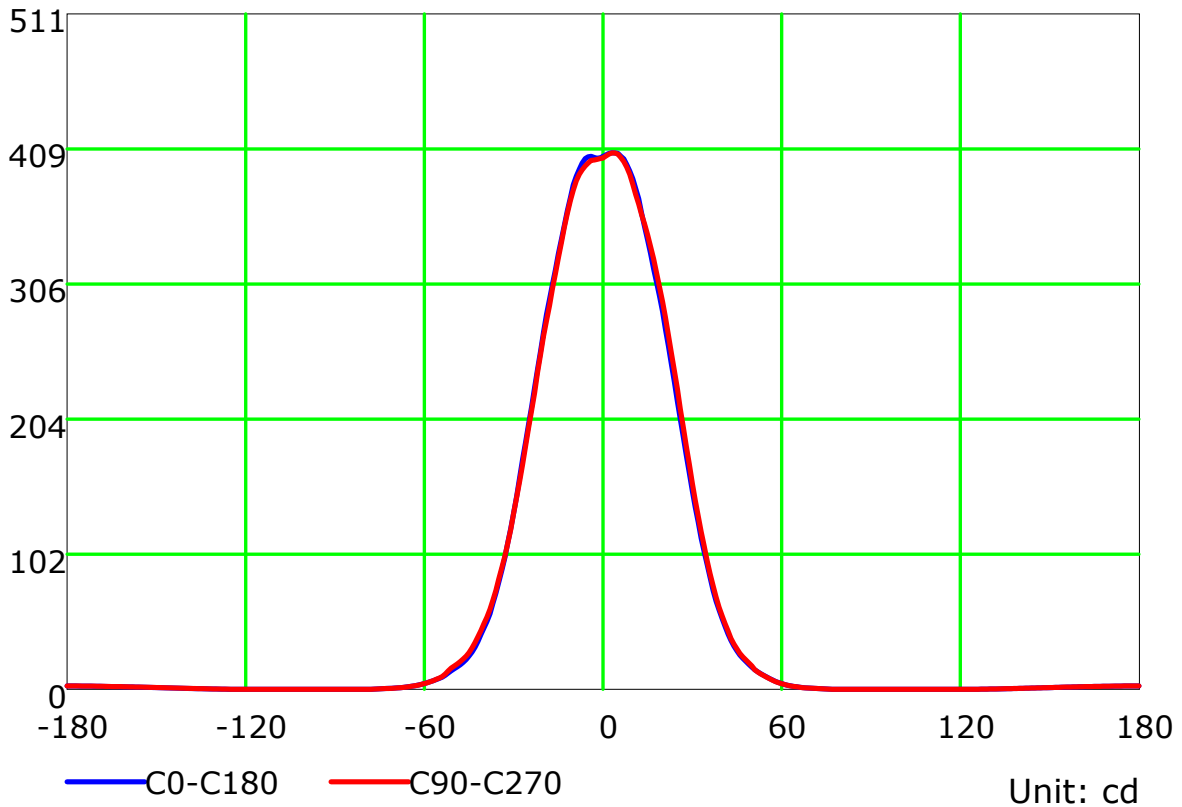
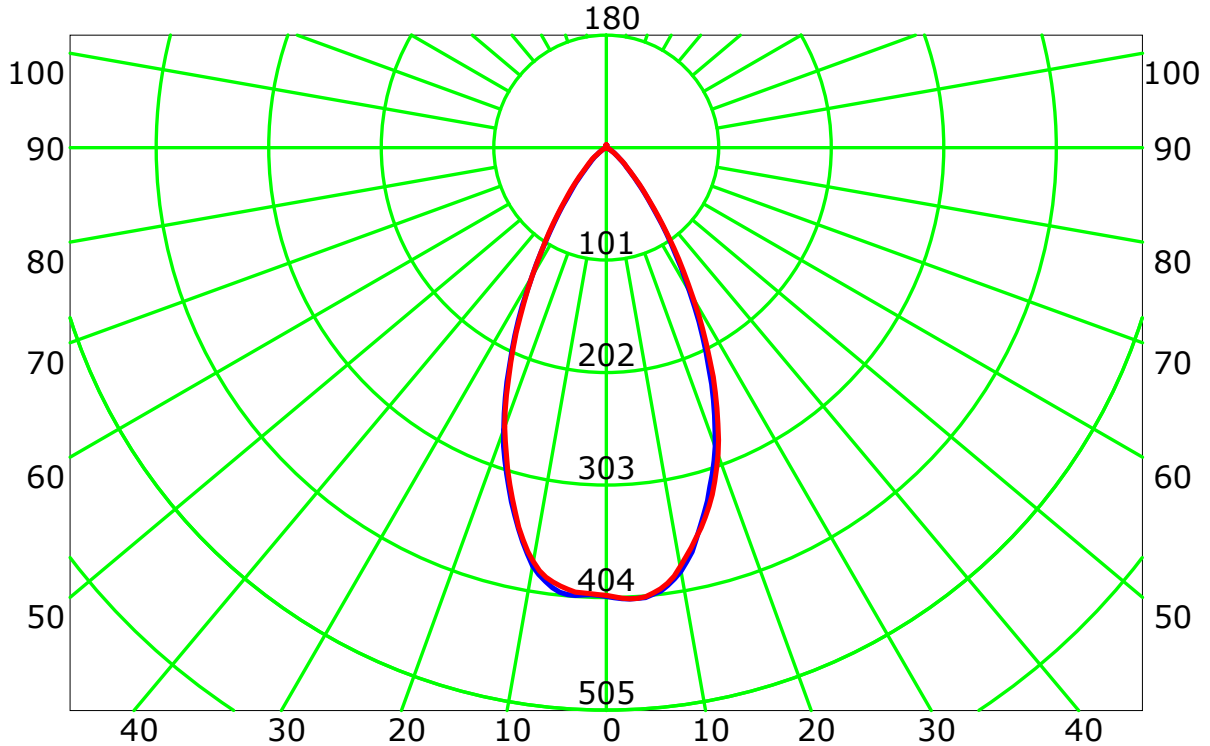
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

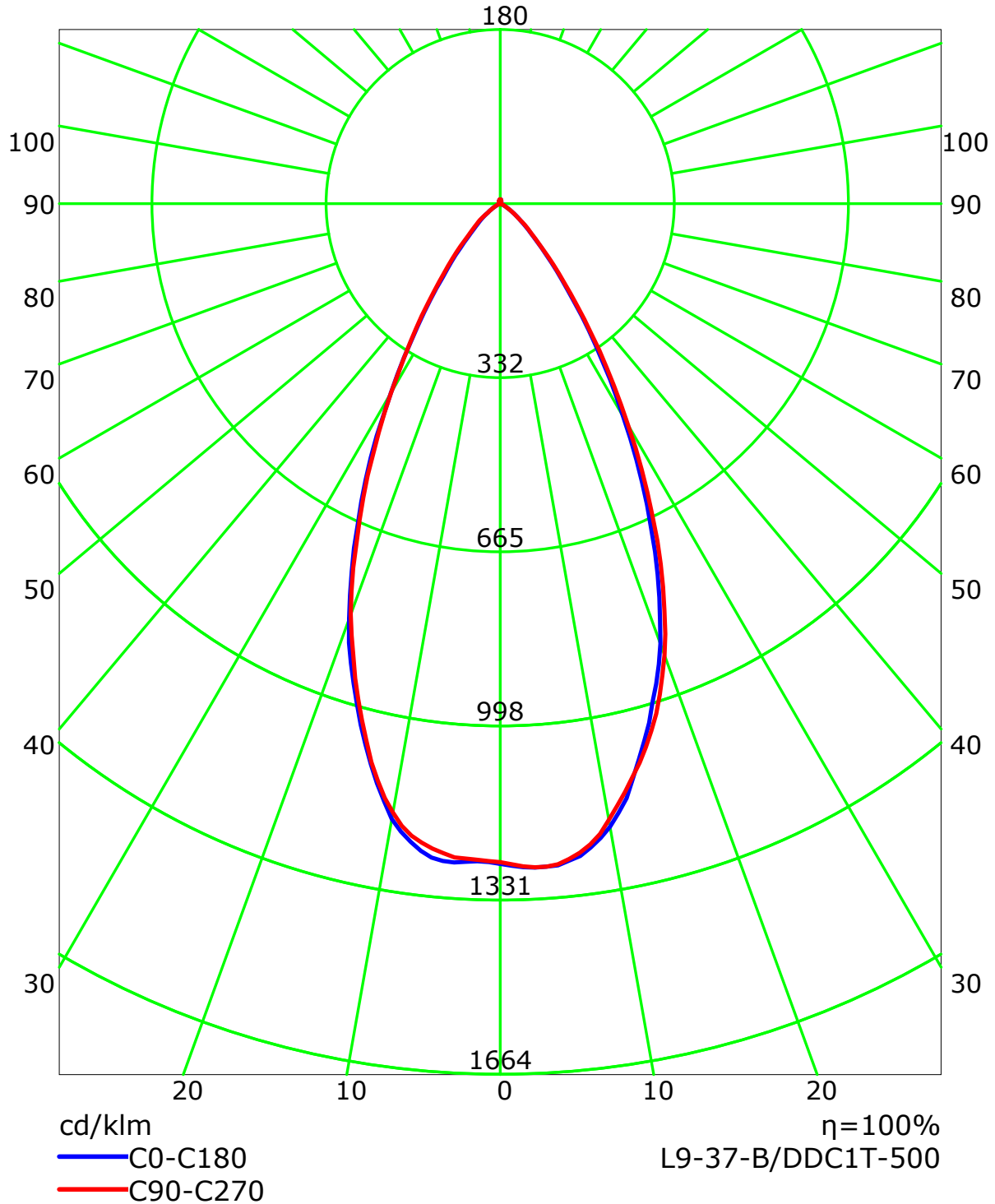
## Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



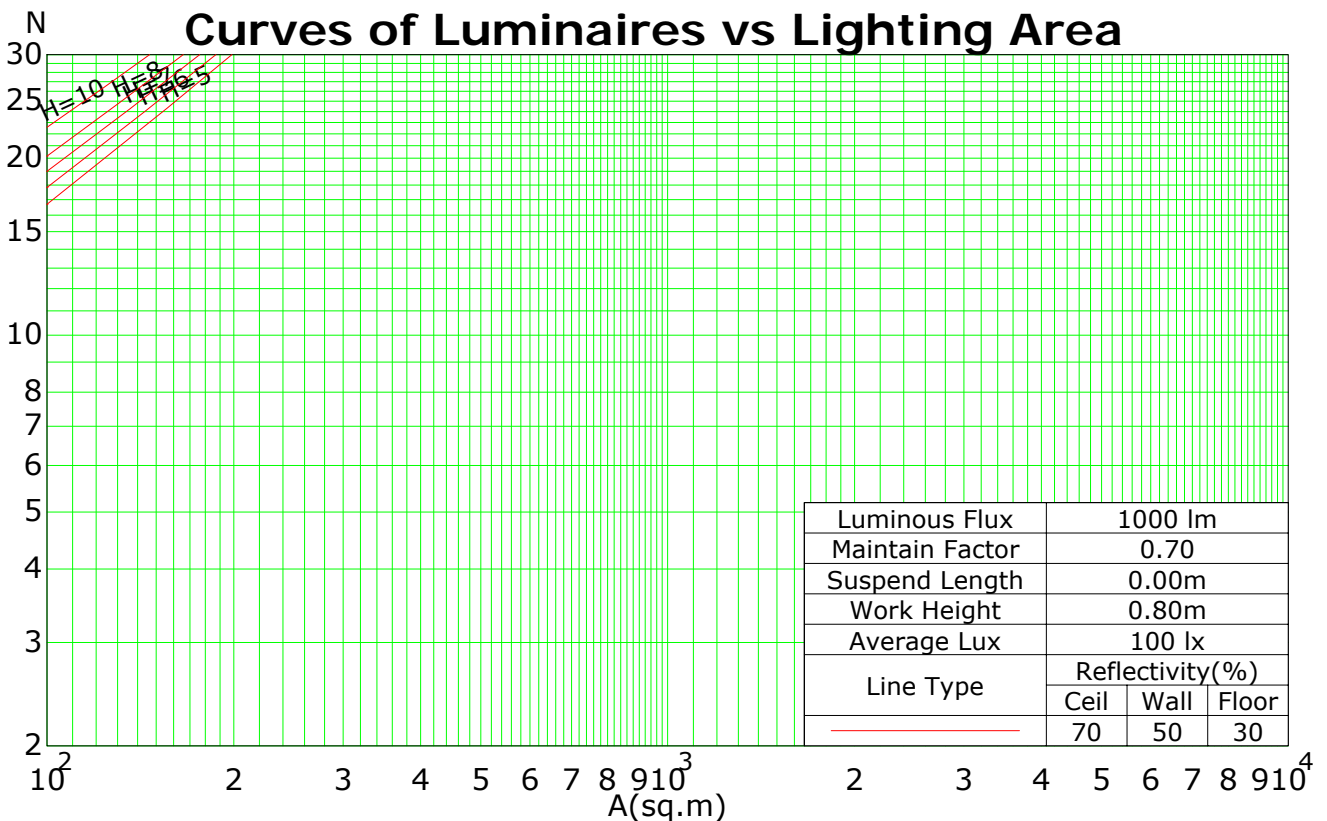
C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 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	110	108	106	111	108	106	104	104	102	101	100	99	97	97	96	95	93
2	108	103	99	95	105	101	97	94	98	94	92	94	92	90	92	90	88	86
3	102	96	91	87	100	94	90	86	91	88	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	84	78	74	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	79	73	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	69	65	62	61
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	63	59	56	63	58	55	54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51

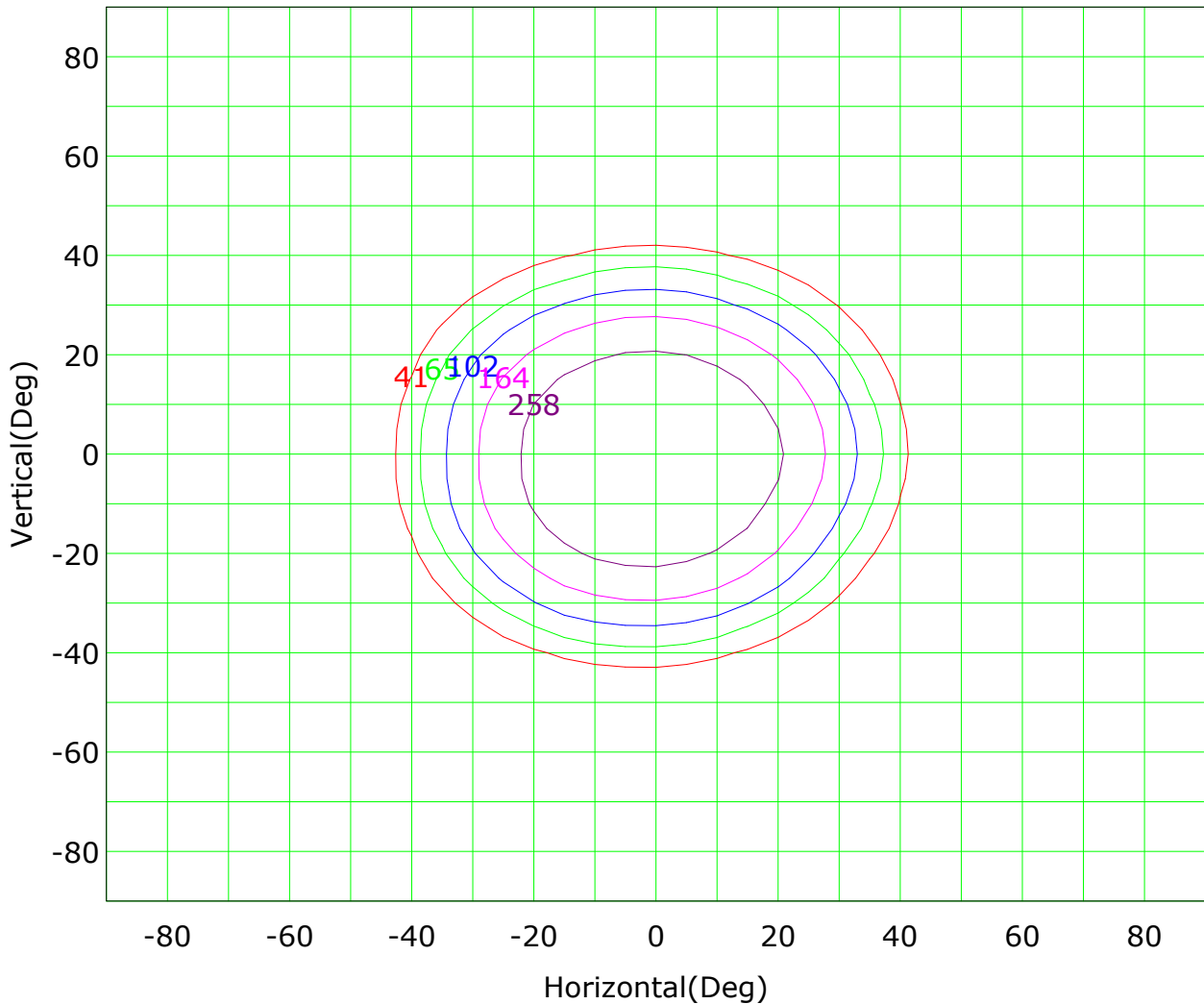
Spacing Criteria (0-180): 0.80  
 Spacing Criteria (90-270): 0.81  
 Spacing Criteria (Diagonal): 0.79



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



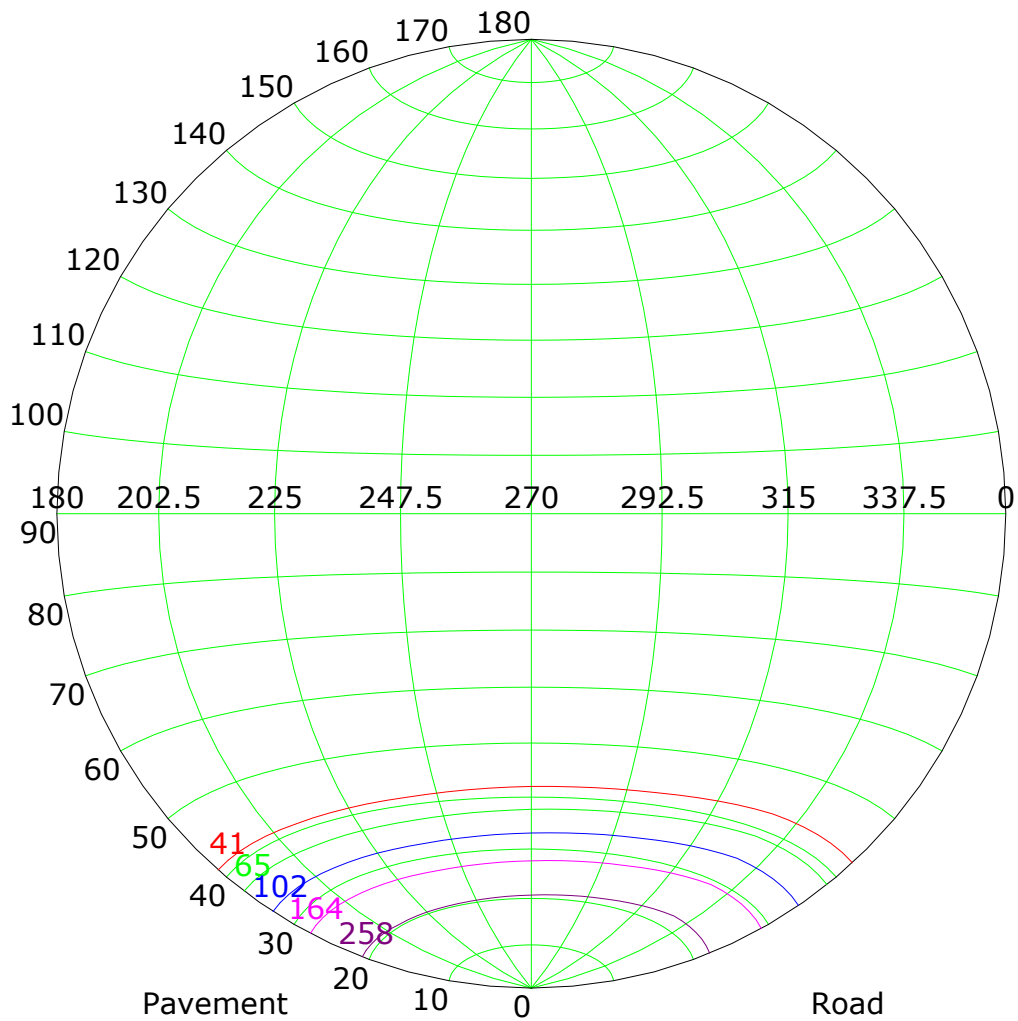
Imax (100%): 409 cd

— ( 10%):	41 cd	— ( 16%):	65 cd
— ( 25%):	102 cd	— ( 40%):	164 cd
— ( 63%):	258 cd	— (100%):	409 cd

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (sphere)



Imax (100%): 409 cd

— ( 10%):	41 cd	— ( 16%):	65 cd
— ( 25%):	102 cd	— ( 40%):	164 cd
— ( 63%):	258 cd	— (100%):	409 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

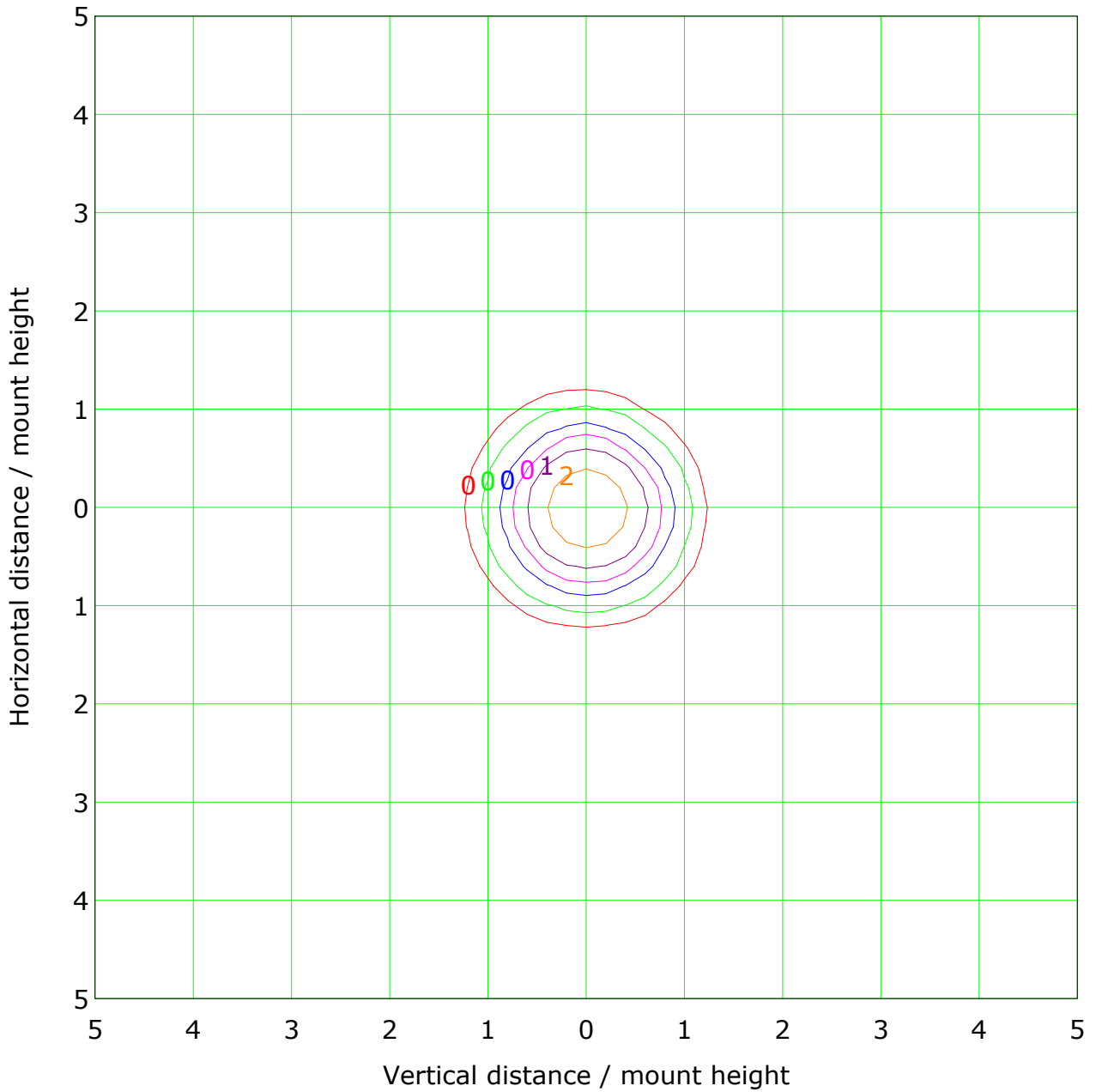
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



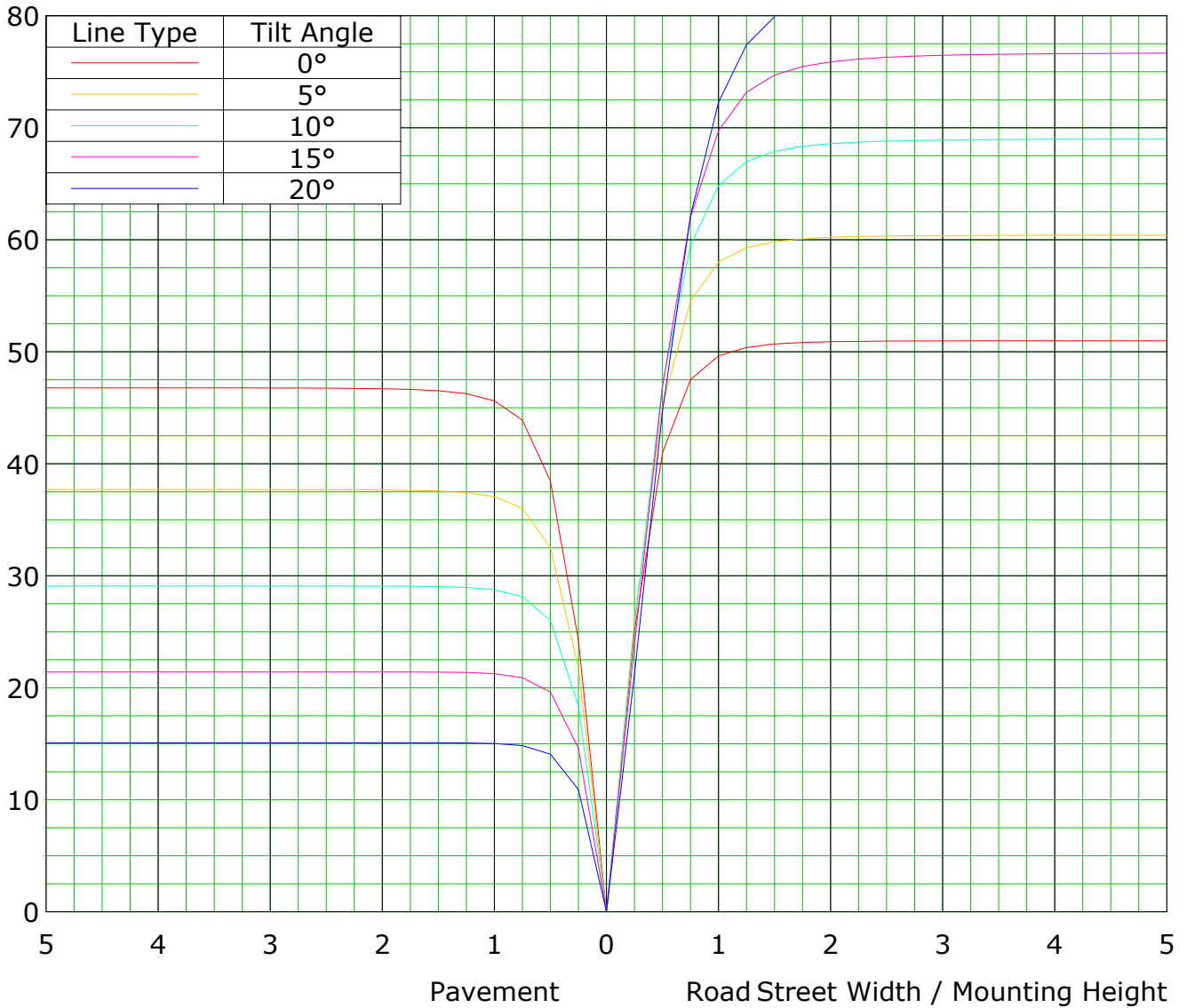
Mounting Height: 10.0m		Max Lux(100%): 4.1 lx	
— ( 1%):	0.0 lx	— ( 2%):	0.1 lx
— ( 5%):	0.2 lx	— (10%):	0.4 lx
— (20%):	0.8 lx	— (50%):	2.0 lx
— (100%):	4.1 lx		

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



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

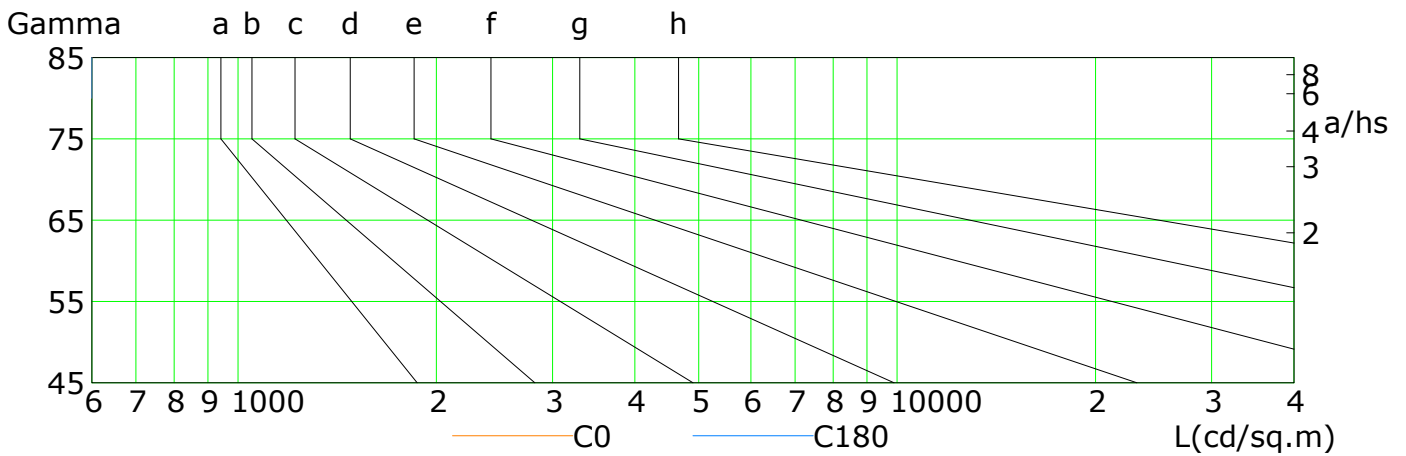
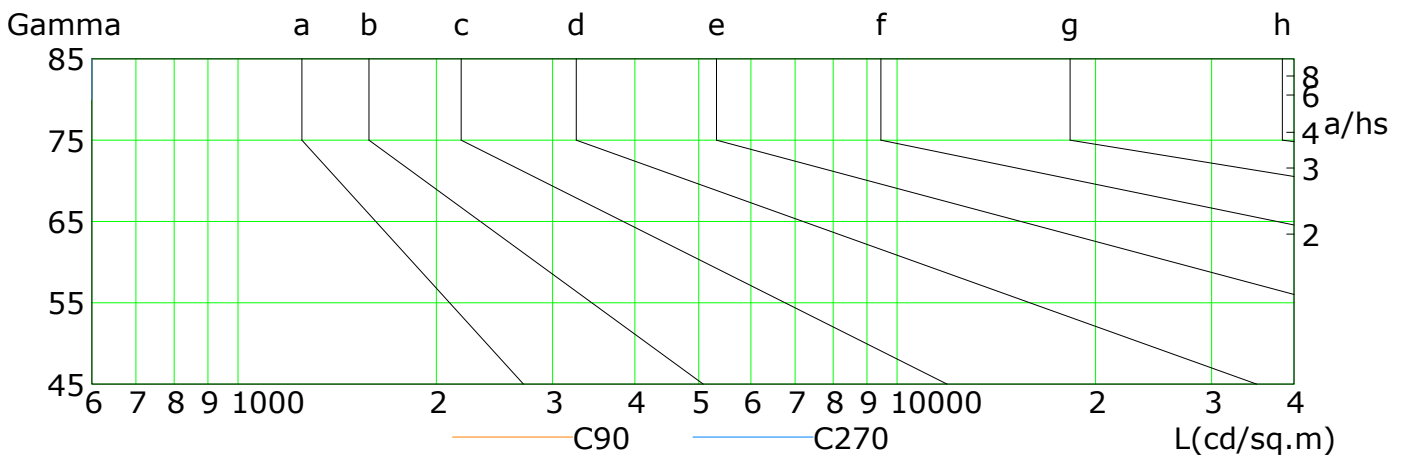
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B								
1.85	C								
2.20	D								
2.55	E								

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	29	17	9	4	2	1	0	0	0
C90	31	18	9	4	2	1	0	0	0
C180	25	16	8	4	2	1	0	0	0
C270	28	18	9	4	2	1	0	0	0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

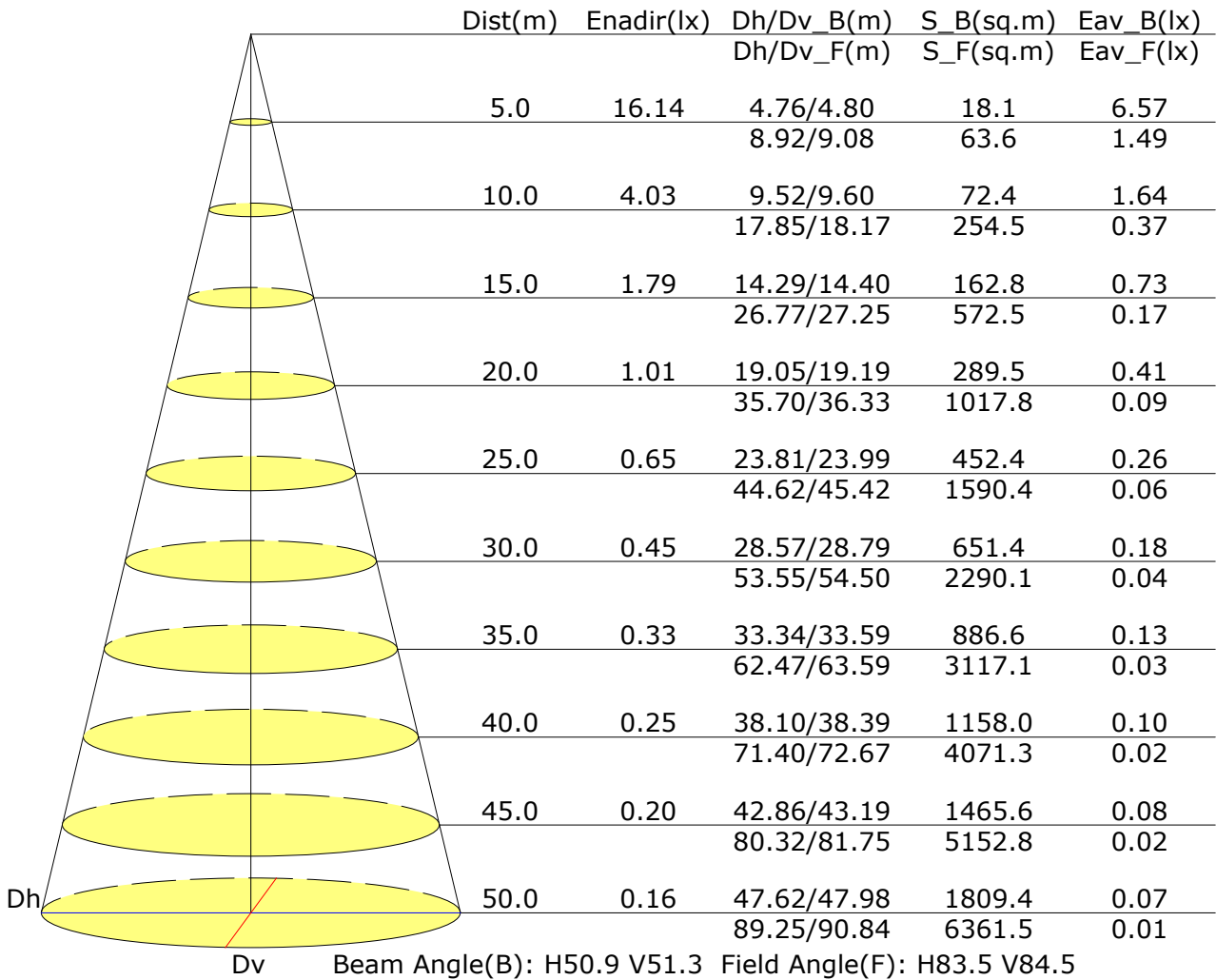
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

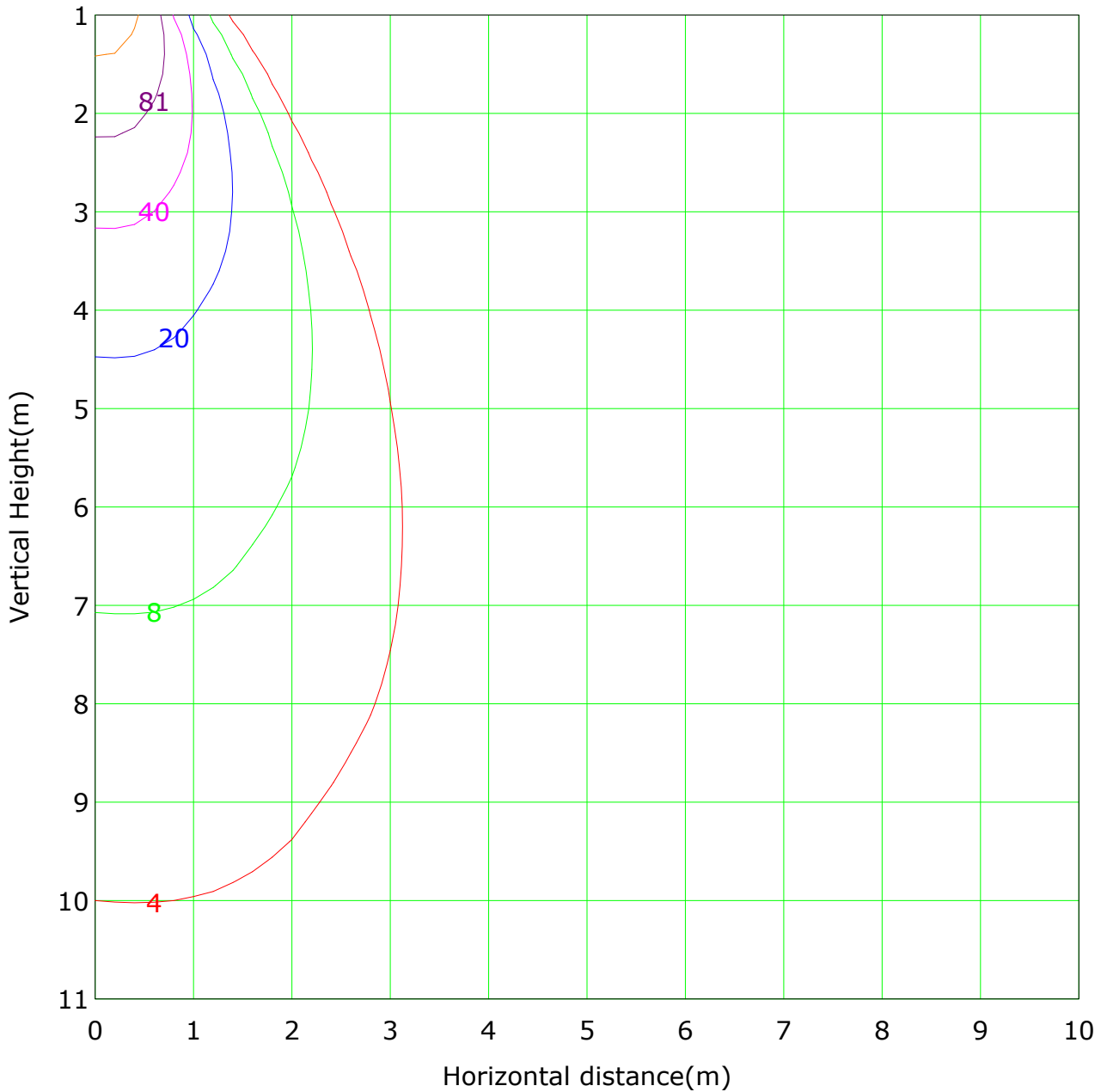
## Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



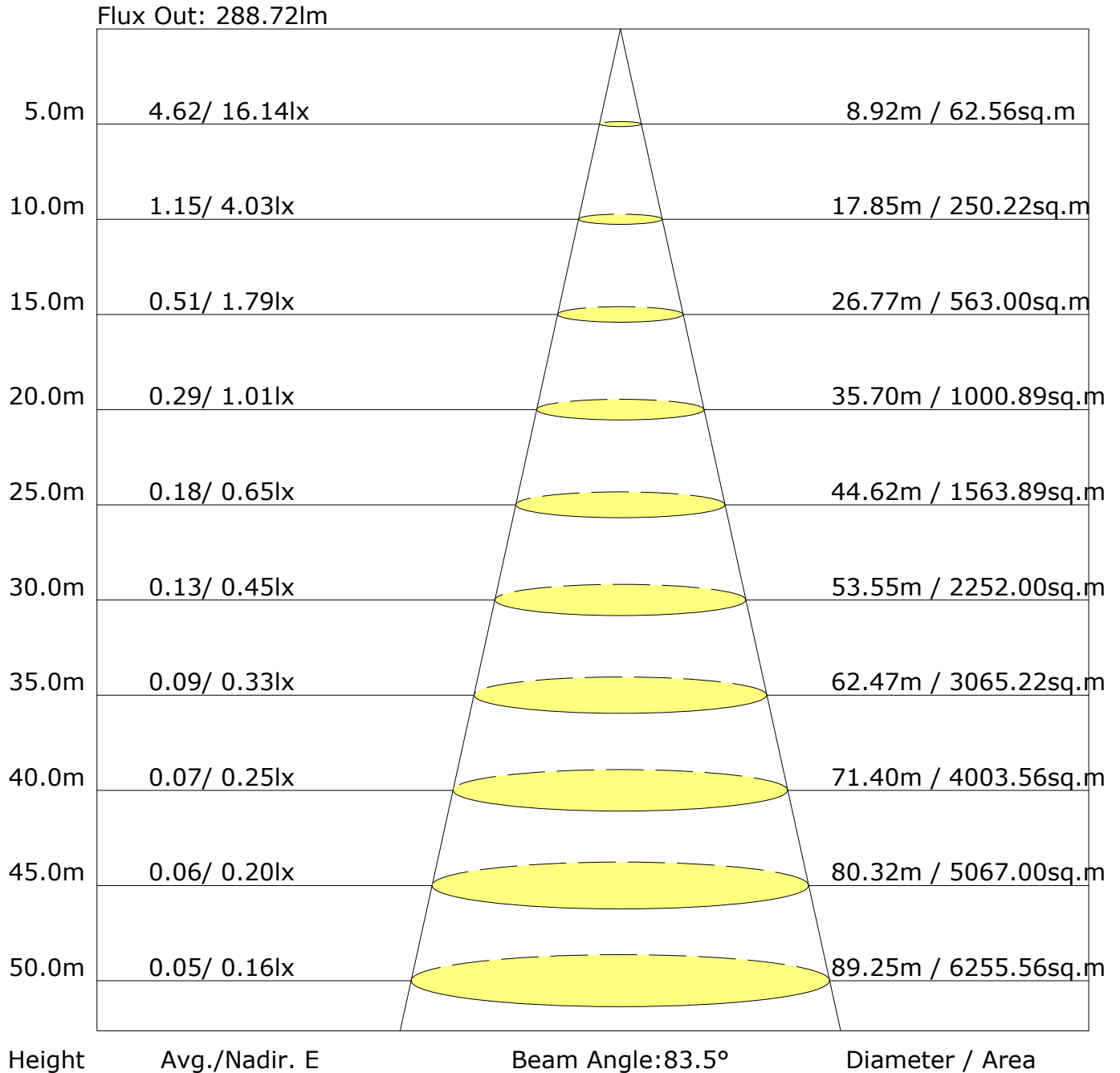
Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 403.4 lx
— ( 1%): 4.0 lx	— ( 2%): 8.1 lx	
— ( 5%): 20.2 lx	— ( 10%): 40.3 lx	
— ( 20%): 80.7 lx	— ( 50%): 201.7 lx	
— (100%): 403.4 lx		

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 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 320lm ( $8\log(F/F_0) = -4.0$ ).

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

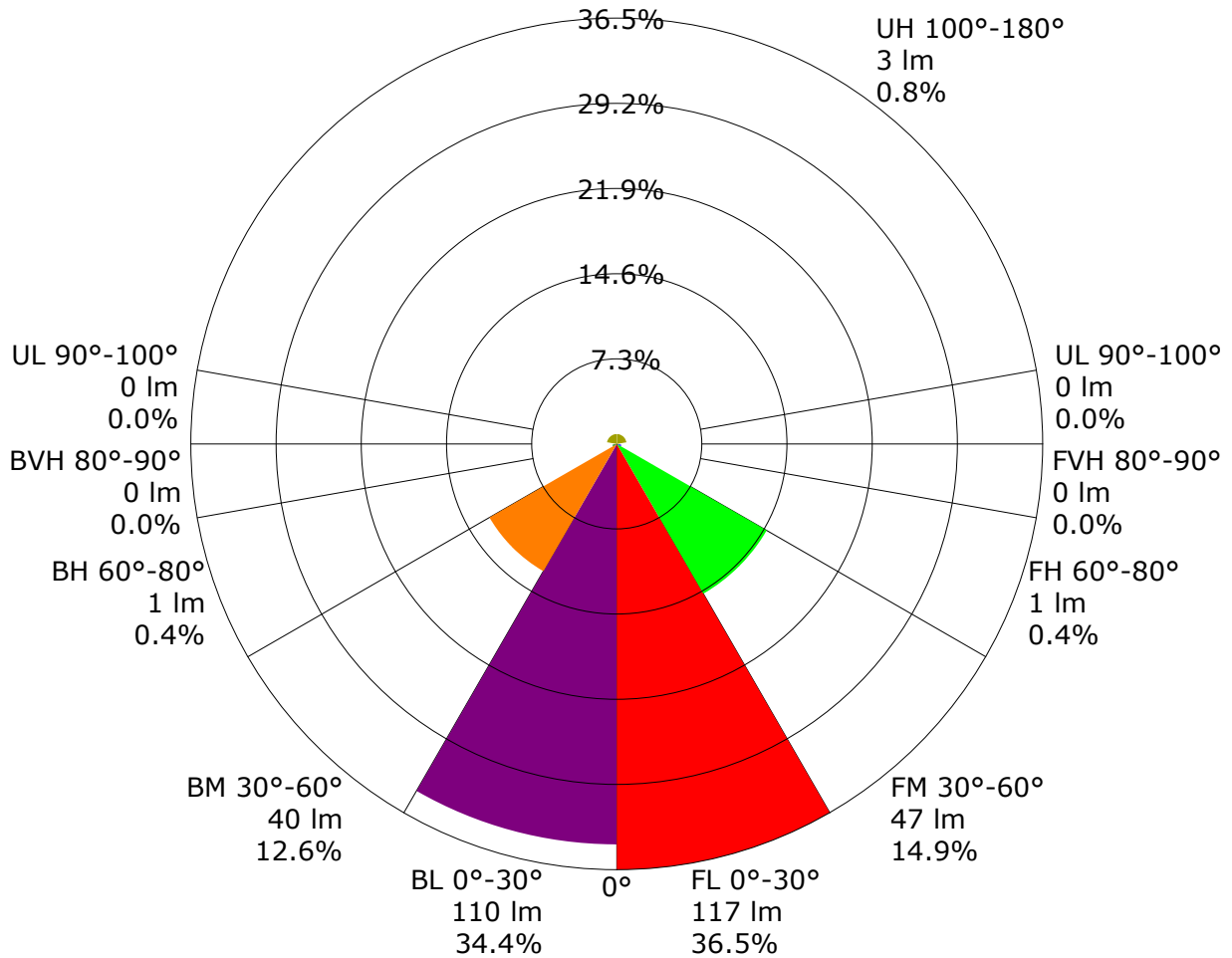
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	166	51.8
	FL ( 0°-30°)	117	36.5
	FM (30°-60°)	47	14.9
	FH (60°-80°)	1	0.4
	FVH (80°-90°)	0	0.0
	BACK LIGHT	151	47.4
	BL ( 0°-30°)	110	34.4
	BM (30°-60°)	40	12.6
	BH (60°-80°)	1	0.4
	BVH (80°-90°)	0	0.0
	UP LIGHT	3	0.8
	UL (90°-100°)	0	0.0
	UH (100°-180°)	3	0.8
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G0

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA



## 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	0.82	0.89	0.94	0.97	1.01	1.04	1.06	1.08	1.10	
	0.30		0.77	0.84	0.89	0.93	0.98	1.01	1.03	1.06	1.08	
	0.20		0.73	0.81	0.86	0.90	0.95	0.98	1.01	1.04	1.06	
0.50	0.50	0.20	0.80	0.87	0.91	0.94	0.98	1.01	1.02	1.05	1.06	
	0.30		0.76	0.83	0.88	0.91	0.95	0.98	1.00	1.03	1.04	
	0.20		0.73	0.80	0.85	0.88	0.93	0.96	0.98	1.01	1.03	
0.30	0.50	0.20	0.79	0.85	0.89	0.92	0.96	0.98	0.99	1.01	1.02	
	0.30		0.75	0.82	0.86	0.89	0.93	0.96	0.97	0.99	1.01	
	0.20		0.72	0.79	0.84	0.87	0.91	0.94	0.96	0.98	1.00	
0.00	0.00	0.00	0.71	0.77	0.81	0.84	0.88	0.90	0.92	0.94	0.95	
<p>Rating:4W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 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	0.62	0.50	0.41	0.35	0.28	0.23	0.19	0.15	0.12
	0.30		0.52	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12
	0.20		0.44	0.37	0.32	0.28	0.23	0.19	0.17	0.13	0.11
0.50	0.50	0.20	0.59	0.47	0.39	0.33	0.26	0.25	0.18	0.14	0.11
	0.30		0.50	0.41	0.34	0.30	0.24	0.19	0.17	0.13	0.11
	0.20		0.43	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10
0.30	0.50	0.20	0.57	0.44	0.36	0.31	0.24	0.19	0.16	0.12	0.10
	0.30		0.48	0.39	0.33	0.28	0.22	0.18	0.15	0.12	0.10
	0.20		0.42	0.35	0.30	0.26	0.21	0.17	0.15	0.11	0.09
0.00	0.00	0.00	0.29	0.23	0.18	0.15	0.12	0.10	0.08	0.06	0.05
<p>Rating:4W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 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	0.17	0.17	0.19	0.20	0.20	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	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		0.10	0.11	0.13	0.14	0.15	0.17	0.18	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	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	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
<p>Rating:4W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	402.7	0.4	0.4	0.12	0.12
1.0-2.0	403.1	1.2	1.5	0.36	0.48
2.0-3.0	403.6	1.9	3.5	0.60	1.09
3.0-4.0	403.8	2.7	6.2	0.85	1.93
4.0-5.0	403.4	3.5	9.6	1.09	3.02
5.0-6.0	402.1	4.2	13.9	1.32	4.34
6.0-7.0	399.7	5.0	18.8	1.55	5.89
7.0-8.0	396.1	5.7	24.5	1.77	7.67
8.0-9.0	391.3	6.3	30.8	1.98	9.65
9.0-10.0	385.2	7.0	37.8	2.18	11.83
10.0-11.0	377.8	7.6	45.4	2.36	14.19
11.0-12.0	369.6	8.1	53.5	2.53	16.72
12.0-13.0	360.3	8.6	62.0	2.68	19.40
13.0-14.0	350.1	9.0	71.0	2.80	22.20
14.0-15.0	339.7	9.3	80.3	2.92	25.12
15.0-16.0	329.5	9.7	89.9	3.02	28.14
16.0-17.0	319.1	9.9	99.9	3.11	31.25
17.0-18.0	308.2	10.2	110.1	3.18	34.42
18.0-19.0	296.9	10.3	120.4	3.23	37.66
19.0-20.0	285.2	10.4	130.8	3.27	40.92
20.0-21.0	272.7	10.5	141.3	3.28	44.20
21.0-22.0	259.4	10.4	151.7	3.26	47.46
22.0-23.0	245.4	10.3	162.0	3.22	50.68
23.0-24.0	231.4	10.1	172.1	3.17	53.84
24.0-25.0	217.8	9.9	182.0	3.10	56.94
25.0-26.0	204.1	9.6	191.7	3.01	59.96
26.0-27.0	190.1	9.3	201.0	2.91	62.87
27.0-28.0	176.4	8.9	209.9	2.79	65.66
28.0-29.0	163.1	8.5	218.4	2.67	68.33
29.0-30.0	150.0	8.1	226.5	2.53	70.86
30.0-31.0	137.3	7.6	234.2	2.39	73.26
31.0-32.0	125.4	7.2	241.4	2.25	75.50
32.0-33.0	114.2	6.7	248.1	2.10	77.61
33.0-34.0	103.8	6.3	254.4	1.97	79.57
34.0-35.0	93.9	5.8	260.2	1.82	81.40
35.0-36.0	84.4	5.4	265.6	1.68	83.08

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	75.5	4.9	270.5	1.54	84.62
37.0-38.0	67.5	4.5	275.0	1.41	86.03
38.0-39.0	60.3	4.1	279.1	1.29	87.32
39.0-40.0	54.0	3.8	282.9	1.18	88.49
40.0-41.0	48.4	3.4	286.3	1.08	89.57
41.0-42.0	43.1	3.1	289.5	0.98	90.55
42.0-43.0	38.1	2.8	292.3	0.88	91.44
43.0-44.0	33.7	2.5	294.8	0.79	92.23
44.0-45.0	29.8	2.3	297.1	0.72	92.95
45.0-46.0	26.6	2.1	299.2	0.65	93.60
46.0-47.0	23.9	1.9	301.1	0.60	94.20
47.0-48.0	21.7	1.8	302.9	0.55	94.74
48.0-49.0	19.7	1.6	304.5	0.51	95.25
49.0-50.0	17.7	1.5	306.0	0.46	95.71
50.0-51.0	15.8	1.3	307.3	0.42	96.13
51.0-52.0	14.0	1.2	308.5	0.38	96.51
52.0-53.0	12.4	1.1	309.6	0.34	96.85
53.0-54.0	10.8	1.0	310.6	0.30	97.14
54.0-55.0	9.5	0.8	311.4	0.26	97.41
55.0-56.0	8.4	0.8	312.2	0.24	97.64
56.0-57.0	7.4	0.7	312.8	0.21	97.85
57.0-58.0	6.4	0.6	313.4	0.19	98.04
58.0-59.0	5.5	0.5	313.9	0.16	98.20
59.0-60.0	4.8	0.5	314.4	0.14	98.34
60.0-61.0	4.1	0.4	314.8	0.12	98.46
61.0-62.0	3.5	0.3	315.1	0.11	98.57
62.0-63.0	3.0	0.3	315.4	0.09	98.66
63.0-64.0	2.6	0.3	315.7	0.08	98.74
64.0-65.0	2.2	0.2	315.9	0.07	98.81
65.0-66.0	1.9	0.2	316.1	0.06	98.87
66.0-67.0	1.6	0.2	316.2	0.05	98.92
67.0-68.0	1.3	0.1	316.4	0.04	98.96
68.0-69.0	1.2	0.1	316.5	0.04	99.00
69.0-70.0	1.0	0.1	316.6	0.03	99.03
70.0-71.0	0.9	0.1	316.7	0.03	99.06
71.0-72.0	0.7	0.1	316.7	0.02	99.08

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.6	0.1	316.8	0.02	99.10
73.0-74.0	0.5	0.1	316.9	0.02	99.12
74.0-75.0	0.4	0.0	316.9	0.01	99.13
75.0-76.0	0.3	0.0	316.9	0.01	99.14
76.0-77.0	0.2	0.0	317.0	0.01	99.15
77.0-78.0	0.1	0.0	317.0	0.00	99.15
78.0-79.0	0.0	0.0	317.0	0.00	99.15
79.0-80.0	0.0	0.0	317.0	0.00	99.15
80.0-81.0	0.0	0.0	317.0	0.00	99.15
81.0-82.0	0.0	0.0	317.0	0.00	99.15
82.0-83.0	0.0	0.0	317.0	0.00	99.15
83.0-84.0	0.0	0.0	317.0	0.00	99.15
84.0-85.0	0.0	0.0	317.0	0.00	99.15
85.0-86.0	0.0	0.0	317.0	0.00	99.15
86.0-87.0	0.0	0.0	317.0	0.00	99.15
87.0-88.0	0.0	0.0	317.0	0.00	99.15
88.0-89.0	0.0	0.0	317.0	0.00	99.15
89.0-90.0	0.0	0.0	317.0	0.00	99.15
90.0-91.0	0.0	0.0	317.0	0.00	99.15
91.0-92.0	0.0	0.0	317.0	0.00	99.15
92.0-93.0	0.0	0.0	317.0	0.00	99.15
93.0-94.0	0.0	0.0	317.0	0.00	99.15
94.0-95.0	0.0	0.0	317.0	0.00	99.15
95.0-96.0	0.0	0.0	317.0	0.00	99.15
96.0-97.0	0.0	0.0	317.0	0.00	99.15
97.0-98.0	0.0	0.0	317.0	0.00	99.15
98.0-99.0	0.0	0.0	317.0	0.00	99.15
99.0-100.0	0.0	0.0	317.0	0.00	99.15
100.0-101.0	0.0	0.0	317.0	0.00	99.15
101.0-102.0	0.0	0.0	317.0	0.00	99.15
102.0-103.0	0.0	0.0	317.0	0.00	99.15
103.0-104.0	0.0	0.0	317.0	0.00	99.15
104.0-105.0	0.0	0.0	317.0	0.00	99.15
105.0-106.0	0.0	0.0	317.0	0.00	99.15
106.0-107.0	0.0	0.0	317.0	0.00	99.15
107.0-108.0	0.0	0.0	317.0	0.00	99.15

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	317.0	0.00	99.15
109.0-110.0	0.0	0.0	317.0	0.00	99.15
110.0-111.0	0.0	0.0	317.0	0.00	99.15
111.0-112.0	0.0	0.0	317.0	0.00	99.15
112.0-113.0	0.0	0.0	317.0	0.00	99.15
113.0-114.0	0.0	0.0	317.0	0.00	99.15
114.0-115.0	0.0	0.0	317.0	0.00	99.15
115.0-116.0	0.0	0.0	317.0	0.00	99.15
116.0-117.0	0.0	0.0	317.0	0.00	99.15
117.0-118.0	0.0	0.0	317.0	0.00	99.15
118.0-119.0	0.0	0.0	317.0	0.00	99.15
119.0-120.0	0.0	0.0	317.0	0.00	99.15
120.0-121.0	0.0	0.0	317.0	0.00	99.15
121.0-122.0	0.0	0.0	317.0	0.00	99.15
122.0-123.0	0.0	0.0	317.0	0.00	99.15
123.0-124.0	0.0	0.0	317.0	0.00	99.15
124.0-125.0	0.0	0.0	317.0	0.00	99.15
125.0-126.0	0.1	0.0	317.0	0.00	99.16
126.0-127.0	0.1	0.0	317.0	0.00	99.16
127.0-128.0	0.2	0.0	317.0	0.00	99.16
128.0-129.0	0.2	0.0	317.0	0.01	99.17
129.0-130.0	0.2	0.0	317.0	0.01	99.18
130.0-131.0	0.3	0.0	317.1	0.01	99.18
131.0-132.0	0.3	0.0	317.1	0.01	99.19
132.0-133.0	0.4	0.0	317.1	0.01	99.20
133.0-134.0	0.4	0.0	317.2	0.01	99.21
134.0-135.0	0.5	0.0	317.2	0.01	99.22
135.0-136.0	0.5	0.0	317.2	0.01	99.23
136.0-137.0	0.6	0.0	317.3	0.01	99.25
137.0-138.0	0.6	0.0	317.3	0.01	99.26
138.0-139.0	0.7	0.0	317.4	0.02	99.28
139.0-140.0	0.7	0.1	317.4	0.02	99.29
140.0-141.0	0.8	0.1	317.5	0.02	99.31
141.0-142.0	0.8	0.1	317.5	0.02	99.33
142.0-143.0	0.9	0.1	317.6	0.02	99.35
143.0-144.0	1.0	0.1	317.7	0.02	99.37

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.0	0.1	317.7	0.02	99.39
145.0-146.0	1.1	0.1	317.8	0.02	99.41
146.0-147.0	1.1	0.1	317.9	0.02	99.43
147.0-148.0	1.2	0.1	317.9	0.02	99.45
148.0-149.0	1.3	0.1	318.0	0.02	99.48
149.0-150.0	1.3	0.1	318.1	0.02	99.50
150.0-151.0	1.4	0.1	318.2	0.02	99.52
151.0-152.0	1.4	0.1	318.2	0.02	99.55
152.0-153.0	1.5	0.1	318.3	0.02	99.57
153.0-154.0	1.6	0.1	318.4	0.02	99.59
154.0-155.0	1.6	0.1	318.5	0.02	99.62
155.0-156.0	1.7	0.1	318.5	0.02	99.64
156.0-157.0	1.7	0.1	318.6	0.02	99.67
157.0-158.0	1.8	0.1	318.7	0.02	99.69
158.0-159.0	1.9	0.1	318.8	0.02	99.71
159.0-160.0	1.9	0.1	318.8	0.02	99.74
160.0-161.0	2.0	0.1	318.9	0.02	99.76
161.0-162.0	2.0	0.1	319.0	0.02	99.78
162.0-163.0	2.1	0.1	319.0	0.02	99.80
163.0-164.0	2.1	0.1	319.1	0.02	99.82
164.0-165.0	2.2	0.1	319.2	0.02	99.84
165.0-166.0	2.2	0.1	319.2	0.02	99.86
166.0-167.0	2.2	0.1	319.3	0.02	99.88
167.0-168.0	2.3	0.1	319.4	0.02	99.90
168.0-169.0	2.3	0.1	319.4	0.02	99.91
169.0-170.0	2.4	0.0	319.4	0.01	99.93
170.0-171.0	2.4	0.0	319.5	0.01	99.94
171.0-172.0	2.4	0.0	319.5	0.01	99.95
172.0-173.0	2.5	0.0	319.6	0.01	99.96
173.0-174.0	2.5	0.0	319.6	0.01	99.97
174.0-175.0	2.5	0.0	319.6	0.01	99.98
175.0-176.0	2.5	0.0	319.6	0.01	99.99
176.0-177.0	2.6	0.0	319.7	0.01	99.99
177.0-178.0	2.6	0.0	319.7	0.00	100.00
178.0-179.0	2.6	0.0	319.7	0.00	100.00
179.0-180.0	2.6	0.0	319.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 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	403.4	403.6	402.9	402.4	401.4	401.1	403.4	403.6	402.9	402.4
G1.0	404.7	405.4	404.9	403.8	402.2	401.7	402.4	402.4	402.3	401.9
G2.0	405.7	406.7	406.1	405.2	403.2	402.5	402.1	401.7	401.6	401.2
G3.0	406.3	407.6	407.9	406.1	404.1	403.3	402.7	402.2	401.1	400.8
G4.0	406.2	407.5	409.1	406.1	404.0	402.9	403.6	402.4	401.3	400.5
G5.0	405.9	406.9	408.9	405.2	402.5	401.6	403.2	402.3	400.5	398.5
G6.0	403.6	405.3	407.4	402.7	400.1	397.9	401.8	400.7	398.9	396.3
G7.0	401.6	402.9	404.0	399.6	396.1	393.4	398.5	396.9	395.5	393.4
G8.0	397.3	399.5	400.0	395.4	391.0	387.8	393.8	391.5	390.8	390.0
G9.0	392.4	395.1	395.6	390.0	385.0	381.4	388.5	384.8	384.4	385.0
G10.0	386.6	389.3	389.6	382.4	376.0	373.3	381.9	376.4	376.8	377.8
G11.0	379.2	382.9	383.2	374.8	367.6	364.6	372.1	366.8	369.1	370.1
G12.0	371.4	374.8	376.1	367.4	358.9	355.4	362.2	356.1	360.2	360.3
G13.0	360.5	364.2	368.5	359.5	349.7	344.3	351.6	344.4	349.6	350.2
G14.0	350.1	354.9	359.4	352.2	339.6	334.1	340.6	332.0	336.6	338.2
G15.0	340.0	346.1	351.2	343.9	330.8	323.3	329.6	320.6	324.4	326.6
G16.0	330.1	337.5	342.5	335.2	321.8	312.7	317.8	309.4	312.5	315.0
G17.0	318.5	328.8	333.6	326.0	312.5	301.5	306.5	298.7	299.8	303.4
G18.0	308.6	320.2	324.0	315.6	302.9	290.4	295.4	286.5	287.8	290.6
G19.0	297.8	309.2	312.6	304.6	291.1	277.3	283.9	274.8	275.6	279.1
G20.0	286.2	298.2	301.4	293.6	279.2	264.7	270.0	262.3	262.8	267.2
G21.0	272.6	286.5	289.6	281.6	266.1	251.2	256.1	248.8	249.4	253.7
G22.0	259.7	272.9	277.1	267.8	252.9	235.8	242.3	235.3	235.1	239.9
G23.0	246.4	259.6	262.8	254.7	238.0	221.5	228.7	220.7	219.9	224.7
G24.0	232.7	246.7	249.5	241.1	224.1	207.4	213.9	207.8	206.4	211.3
G25.0	217.8	233.1	235.6	227.4	210.1	193.3	200.8	195.5	193.4	198.0
G26.0	204.6	218.2	220.4	212.2	196.3	177.9	187.6	182.9	180.5	184.8
G27.0	190.9	204.7	206.8	198.1	181.5	164.1	174.4	168.8	166.2	170.6
G28.0	177.4	191.1	192.9	184.3	167.4	150.5	160.9	155.5	153.3	158.1
G29.0	164.0	177.8	179.4	170.7	154.0	137.7	146.4	142.6	140.4	145.7
G30.0	150.4	163.6	166.4	156.0	141.2	124.3	133.7	130.2	128.4	133.6
G31.0	138.1	151.0	152.3	143.2	128.8	113.0	122.1	118.5	116.2	121.2
G32.0	126.6	138.7	140.2	131.0	116.0	102.5	111.0	106.6	105.6	110.7
G33.0	114.6	126.9	128.6	119.4	105.1	92.4	99.8	96.6	96.0	100.9
G34.0	104.2	115.8	117.6	108.5	94.6	83.4	90.3	87.3	87.7	92.2
G35.0	94.3	104.0	105.7	97.1	83.9	73.8	81.2	78.6	79.6	83.6
G36.0	84.8	93.8	95.4	87.5	74.8	65.3	72.9	70.5	71.2	74.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	74.9	84.2	85.4	78.3	66.4	58.0	65.1	62.6	64.0	67.4
G38.0	67.0	75.3	76.4	70.0	59.1	51.8	57.2	56.1	57.2	60.7
G39.0	60.2	66.7	67.7	62.1	52.4	46.0	51.4	50.5	51.6	54.7
G40.0	53.7	59.7	60.7	55.7	46.9	41.4	46.5	45.5	46.6	49.8
G41.0	47.9	53.2	54.2	49.8	41.7	36.5	41.7	41.0	42.3	44.7
G42.0	42.0	47.0	48.0	44.3	36.8	31.9	36.4	36.6	38.1	39.9
G43.0	37.2	41.0	42.6	38.6	32.6	27.9	32.1	32.5	33.5	35.5
G44.0	32.8	36.4	37.1	34.3	28.7	24.8	28.3	28.8	29.7	31.5
G45.0	29.2	32.5	33.0	30.6	25.6	22.2	25.3	25.6	26.5	27.8
G46.0	26.0	28.9	29.6	27.1	23.1	19.7	22.6	23.2	23.9	25.1
G47.0	23.5	26.3	26.3	24.6	20.6	17.8	20.4	21.2	21.6	22.9
G48.0	21.3	23.8	23.8	22.3	18.7	16.1	18.6	19.4	19.6	21.0
G49.0	18.9	21.3	21.4	20.1	17.0	14.6	17.1	17.7	17.8	19.2
G50.0	16.8	18.5	18.6	17.7	15.1	13.2	15.5	16.4	16.4	17.7
G51.0	14.8	15.9	16.0	14.9	12.8	11.9	14.2	15.1	15.0	16.2
G52.0	13.3	14.0	14.1	13.2	11.5	10.7	12.4	13.0	13.4	14.0
G53.0	12.0	12.6	12.6	11.7	10.3	9.7	10.8	11.0	11.3	11.7
G54.0	10.6	11.2	11.2	10.5	9.3	8.8	9.2	9.0	9.1	9.7
G55.0	9.4	9.8	9.6	9.2	8.2	7.8	8.3	7.8	8.0	8.5
G56.0	8.2	8.5	8.4	8.0	7.2	6.9	7.4	7.0	7.1	7.7
G57.0	7.1	7.3	7.2	6.9	6.2	6.1	6.7	6.3	6.3	6.7
G58.0	6.0	6.2	6.1	5.8	5.4	5.3	5.9	5.5	5.6	5.8
G59.0	5.2	5.3	5.1	5.0	4.6	4.6	5.1	4.8	4.9	5.1
G60.0	4.4	4.4	4.3	4.3	3.9	4.1	4.4	4.2	4.2	4.4
G61.0	3.8	3.8	3.6	3.6	3.4	3.5	3.9	3.6	3.7	3.8
G62.0	3.1	3.1	3.1	3.1	2.9	3.0	3.3	3.1	3.1	3.2
G63.0	2.7	2.7	2.6	2.6	2.5	2.6	2.8	2.7	2.7	2.8
G64.0	2.3	2.3	2.2	2.3	2.1	2.2	2.5	2.3	2.3	2.4
G65.0	2.0	1.9	1.8	2.0	1.8	1.9	2.2	2.0	2.0	2.1
G66.0	1.6	1.6	1.5	1.6	1.5	1.6	1.9	1.7	1.7	1.8
G67.0	1.4	1.3	1.3	1.3	1.3	1.3	1.6	1.5	1.5	1.6
G68.0	1.2	1.2	1.1	1.2	1.1	1.1	1.3	1.2	1.2	1.3
G69.0	1.0	1.0	0.9	1.0	0.9	1.0	1.1	1.0	1.0	1.1
G70.0	0.9	0.9	0.8	0.9	0.8	0.8	1.0	0.9	0.9	0.9
G71.0	0.8	0.8	0.7	0.8	0.7	0.7	0.8	0.8	0.8	0.8
G72.0	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.6	0.7
G73.0	0.5	0.6	0.5	0.6	0.5	0.5	0.6	0.6	0.5	0.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
G75.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
G76.0	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.3
G77.0	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.2	0.2
G78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
G79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G84.0	0.0	0.0	0.0	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	0.0
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	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	0.0
G97.0	0.0	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	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	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	0.0
G102.0	0.0	0.0	0.0	0.0	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	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	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: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
G125.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
G126.0	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.2
G127.0	0.2	0.1	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
G128.0	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
G129.0	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.3
G130.0	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G131.0	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3	0.3
G132.0	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
G133.0	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
G134.0	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5
G135.0	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.5
G136.0	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.6
G137.0	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.6	0.6
G138.0	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
G139.0	0.7	0.6	0.6	0.7	0.7	0.8	0.7	0.8	0.8	0.8
G140.0	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.8	0.8	0.8
G141.0	0.8	0.8	0.7	0.8	0.8	0.9	0.8	0.9	0.9	0.9
G142.0	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
G143.0	0.9	0.9	0.9	0.9	0.9	1.0	0.9	1.0	1.0	1.0
G144.0	1.0	0.9	0.9	1.0	1.0	1.1	1.0	1.1	1.0	1.1
G145.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
G146.0	1.1	1.0	1.0	1.1	1.1	1.2	1.1	1.2	1.2	1.2
G147.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	1.2	1.2	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
G149.0	1.3	1.2	1.2	1.3	1.3	1.4	1.3	1.4	1.4	1.4
G150.0	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
G151.0	1.4	1.3	1.3	1.4	1.4	1.5	1.4	1.5	1.5	1.5
G152.0	1.5	1.4	1.4	1.5	1.5	1.6	1.5	1.5	1.5	1.5
G153.0	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.6	1.6	1.6
G154.0	1.6	1.5	1.5	1.6	1.6	1.7	1.6	1.7	1.6	1.6
G155.0	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
G156.0	1.7	1.6	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.7
G157.0	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
G158.0	1.8	1.8	1.8	1.9	1.8	1.9	1.8	1.9	1.8	1.8
G159.0	1.9	1.8	1.8	1.9	1.9	2.0	1.9	1.9	1.9	1.9
G160.0	1.9	1.9	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0
G161.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
G162.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.1	2.1	2.1
G163.0	2.1	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.1	2.1
G164.0	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.2	2.2	2.2
G165.0	2.2	2.1	2.1	2.2	2.2	2.3	2.2	2.2	2.2	2.2
G166.0	2.2	2.2	2.2	2.3	2.3	2.3	2.2	2.3	2.3	2.2
G167.0	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
G168.0	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3
G169.0	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.4	2.4	2.4
G170.0	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
G171.0	2.4	2.4	2.4	2.5	2.4	2.5	2.4	2.4	2.4	2.5
G172.0	2.5	2.4	2.5	2.5	2.5	2.5	2.4	2.5	2.4	2.5
G173.0	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
G174.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
G175.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
G176.0	2.6	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.6
G177.0	2.6	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.5	2.6
G178.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6
G179.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
G180.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	401.4	401.1	403.4						
G1.0	401.5	401.7	404.7						
G2.0	401.8	402.4	405.7						
G3.0	401.4	402.3	406.3						
G4.0	400.3	402.1	406.2						
G5.0	399.4	401.8	405.9						
G6.0	397.8	401.8	403.6						
G7.0	395.6	400.9	401.6						
G8.0	392.2	398.5	397.3						
G9.0	387.4	394.8	392.4						
G10.0	381.4	388.9	386.6						
G11.0	373.9	382.9	379.2						
G12.0	365.3	375.3	371.4						
G13.0	355.9	365.8	360.5						
G14.0	344.6	354.9	350.1						
G15.0	334.0	345.0	340.0						
G16.0	323.2	334.9	330.1						
G17.0	311.7	323.9	318.5						
G18.0	298.9	311.8	308.6						
G19.0	287.3	300.6	297.8						
G20.0	275.6	288.8	286.2						
G21.0	262.1	276.5	272.6						
G22.0	248.6	262.8	259.7						
G23.0	233.5	247.9	246.4						
G24.0	219.8	234.5	232.7						
G25.0	206.4	221.0	217.8						
G26.0	192.9	207.3	204.6						
G27.0	178.4	192.6	190.9						
G28.0	165.9	179.3	177.4						
G29.0	153.8	166.3	164.0						
G30.0	140.4	153.5	150.4						
G31.0	128.8	141.4	138.1						
G32.0	117.7	128.4	126.6						
G33.0	107.1	117.4	114.6						
G34.0	97.7	107.2	104.2						
G35.0	88.5	97.6	94.3						
G36.0	79.1	87.5	84.8						

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

**Candlepower Table (Continue 6)**

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	70.9	78.4	74.9						
G38.0	63.3	69.8	67.0						
G39.0	56.8	62.3	60.2						
G40.0	50.8	55.3	53.7						
G41.0	45.9	49.8	47.9						
G42.0	41.1	44.4	42.0						
G43.0	36.2	39.1	37.2						
G44.0	32.2	34.4	32.8						
G45.0	28.6	30.2	29.2						
G46.0	25.8	27.0	26.0						
G47.0	23.4	24.3	23.5						
G48.0	21.4	21.9	21.3						
G49.0	19.5	19.6	18.9						
G50.0	17.8	17.9	16.8						
G51.0	16.1	16.1	14.8						
G52.0	14.2	14.6	13.3						
G53.0	11.9	12.9	12.0						
G54.0	10.4	11.6	10.6						
G55.0	9.2	10.5	9.4						
G56.0	8.2	9.4	8.2						
G57.0	7.3	8.4	7.1						
G58.0	6.4	7.2	6.0						
G59.0	5.6	6.3	5.2						
G60.0	4.8	5.5	4.4						
G61.0	4.1	4.7	3.8						
G62.0	3.5	4.0	3.1						
G63.0	3.1	3.5	2.7						
G64.0	2.7	3.0	2.3						
G65.0	2.3	2.6	2.0						
G66.0	2.0	2.2	1.6						
G67.0	1.7	1.9	1.4						
G68.0	1.4	1.6	1.2						
G69.0	1.2	1.3	1.0						
G70.0	1.1	1.2	0.9						
G71.0	0.9	1.0	0.8						
G72.0	0.8	0.9	0.6						
G73.0	0.7	0.7	0.5						

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	0.5	0.6	0.4							
G75.0	0.4	0.5	0.3							
G76.0	0.3	0.4	0.2							
G77.0	0.2	0.2	0.1							
G78.0	0.1	0.1	0.0							
G79.0	0.0	0.0	0.0							
G80.0	0.0	0.0	0.0							
G81.0	0.0	0.0	0.0							
G82.0	0.0	0.0	0.0							
G83.0	0.0	0.0	0.0							
G84.0	0.0	0.0	0.0							
G85.0	0.0	0.0	0.0							
G86.0	0.0	0.0	0.0							
G87.0	0.0	0.0	0.0							
G88.0	0.0	0.0	0.0							
G89.0	0.0	0.0	0.0							
G90.0	0.0	0.0	0.0							
G91.0	0.0	0.0	0.0							
G92.0	0.0	0.0	0.0							
G93.0	0.0	0.0	0.0							
G94.0	0.0	0.0	0.0							
G95.0	0.0	0.0	0.0							
G96.0	0.0	0.0	0.0							
G97.0	0.0	0.0	0.0							
G98.0	0.0	0.0	0.0							
G99.0	0.0	0.0	0.0							
G100.0	0.0	0.0	0.0							
G101.0	0.0	0.0	0.0							
G102.0	0.0	0.0	0.0							
G103.0	0.0	0.0	0.0							
G104.0	0.0	0.0	0.0							
G105.0	0.0	0.0	0.0							
G106.0	0.0	0.0	0.0							
G107.0	0.0	0.0	0.0							
G108.0	0.0	0.0	0.0							
G109.0	0.0	0.0	0.0							
G110.0	0.0	0.0	0.0							

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G111.0	0.0	0.0	0.0						
G112.0	0.0	0.0	0.0						
G113.0	0.0	0.0	0.0						
G114.0	0.0	0.0	0.0						
G115.0	0.0	0.0	0.0						
G116.0	0.0	0.0	0.0						
G117.0	0.0	0.0	0.0						
G118.0	0.0	0.0	0.0						
G119.0	0.0	0.0	0.0						
G120.0	0.0	0.0	0.0						
G121.0	0.0	0.0	0.0						
G122.0	0.0	0.0	0.0						
G123.0	0.0	0.1	0.0						
G124.0	0.0	0.0	0.0						
G125.0	0.0	0.0	0.1						
G126.0	0.1	0.0	0.1						
G127.0	0.1	0.1	0.2						
G128.0	0.2	0.1	0.2						
G129.0	0.2	0.2	0.2						
G130.0	0.3	0.2	0.3						
G131.0	0.3	0.3	0.3						
G132.0	0.3	0.3	0.3						
G133.0	0.4	0.3	0.4						
G134.0	0.4	0.4	0.4						
G135.0	0.5	0.4	0.5						
G136.0	0.5	0.5	0.5						
G137.0	0.6	0.5	0.6						
G138.0	0.6	0.5	0.6						
G139.0	0.7	0.6	0.7						
G140.0	0.7	0.6	0.7						
G141.0	0.8	0.7	0.8						
G142.0	0.9	0.8	0.9						
G143.0	0.9	0.8	0.9						
G144.0	1.0	0.9	1.0						
G145.0	1.0	0.9	1.1						
G146.0	1.1	1.0	1.1						
G147.0	1.1	1.1	1.1						

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	1.2	1.1	1.2							
G149.0	1.3	1.2	1.3							
G150.0	1.3	1.2	1.3							
G151.0	1.4	1.3	1.4							
G152.0	1.5	1.4	1.5							
G153.0	1.5	1.4	1.5							
G154.0	1.6	1.5	1.6							
G155.0	1.6	1.5	1.7							
G156.0	1.7	1.6	1.7							
G157.0	1.8	1.7	1.8							
G158.0	1.8	1.7	1.8							
G159.0	1.9	1.8	1.9							
G160.0	2.0	1.8	1.9							
G161.0	2.0	1.9	2.0							
G162.0	2.0	2.0	2.0							
G163.0	2.1	2.0	2.1							
G164.0	2.1	2.1	2.1							
G165.0	2.2	2.1	2.2							
G166.0	2.2	2.2	2.2							
G167.0	2.3	2.2	2.3							
G168.0	2.3	2.2	2.3							
G169.0	2.3	2.3	2.3							
G170.0	2.4	2.3	2.4							
G171.0	2.4	2.4	2.4							
G172.0	2.5	2.4	2.5							
G173.0	2.5	2.4	2.5							
G174.0	2.5	2.5	2.5							
G175.0	2.5	2.5	2.5							
G176.0	2.5	2.5	2.6							
G177.0	2.6	2.5	2.6							
G178.0	2.6	2.5	2.6							
G179.0	2.6	2.6	2.6							
G180.0	2.6	2.6	2.6							

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector: