

Report No.:

Test Time: 2025-11-10 10:52

## Luminaire Property

Luminaire Manufacturer: NORDECOR  
Luminaire Description: 80007  
Luminous Width (mm): 20  
Current: 0.080 A  
Power Factor: 0.462

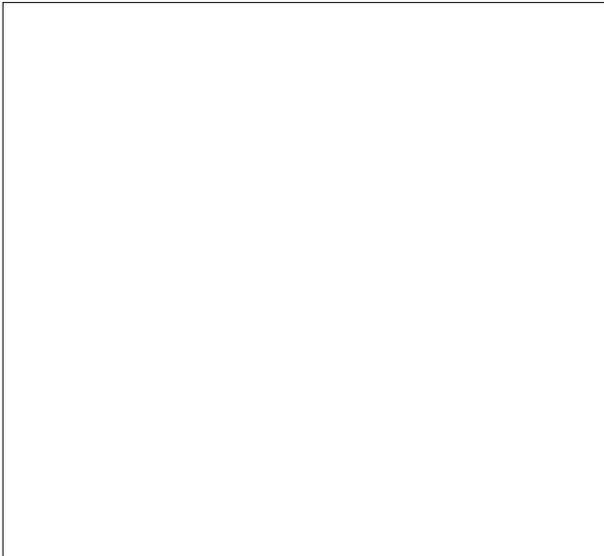
Luminous Length (mm): 95  
Voltage: 220.5 V  
Power: 8.17 W

## Photometric Results

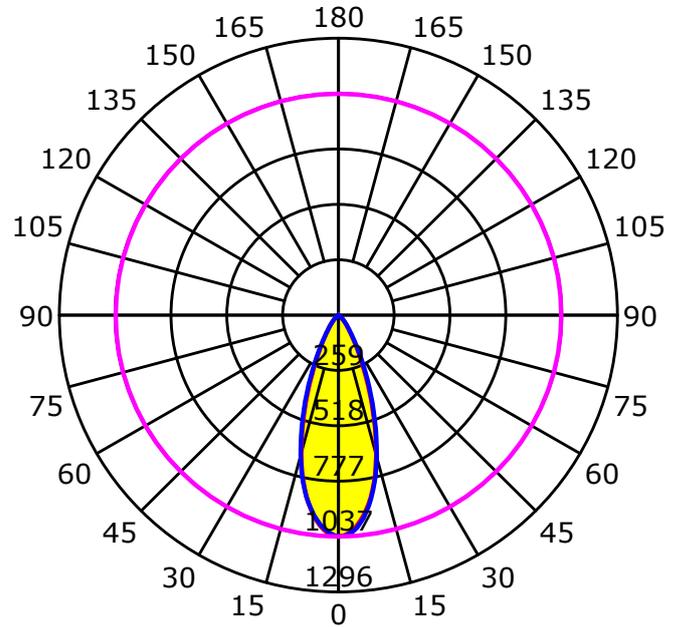
CIE Class: Direct  
Measurement Flux: 512.1 lm  
Downward Ratio: 99%  
Horizontal Diffuse Angle(10%,50%,80%,100%): H67.3,H37.1,H22,H0  
Vertical Diffuse Angle(10%,50%,80%,100%): V68.1,V37.8,V22.3,V1  
Luminaire Efficacy Rating (LER): 62.73  
Max. Intensity: 1037.04 cd  
S/MH(C0/C180): 0.61

Total Rated Lamp Lumens: 512.1 lm  
Efficiency: 100%  
Upward Ratio: 1%  
Central Intensity: 1037.03 cd  
Pos of Max. Intensity: H0 V0  
S/MH(C90/C270): 0.62

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd  
Average Diffuse Angle(50%): 37.5°

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

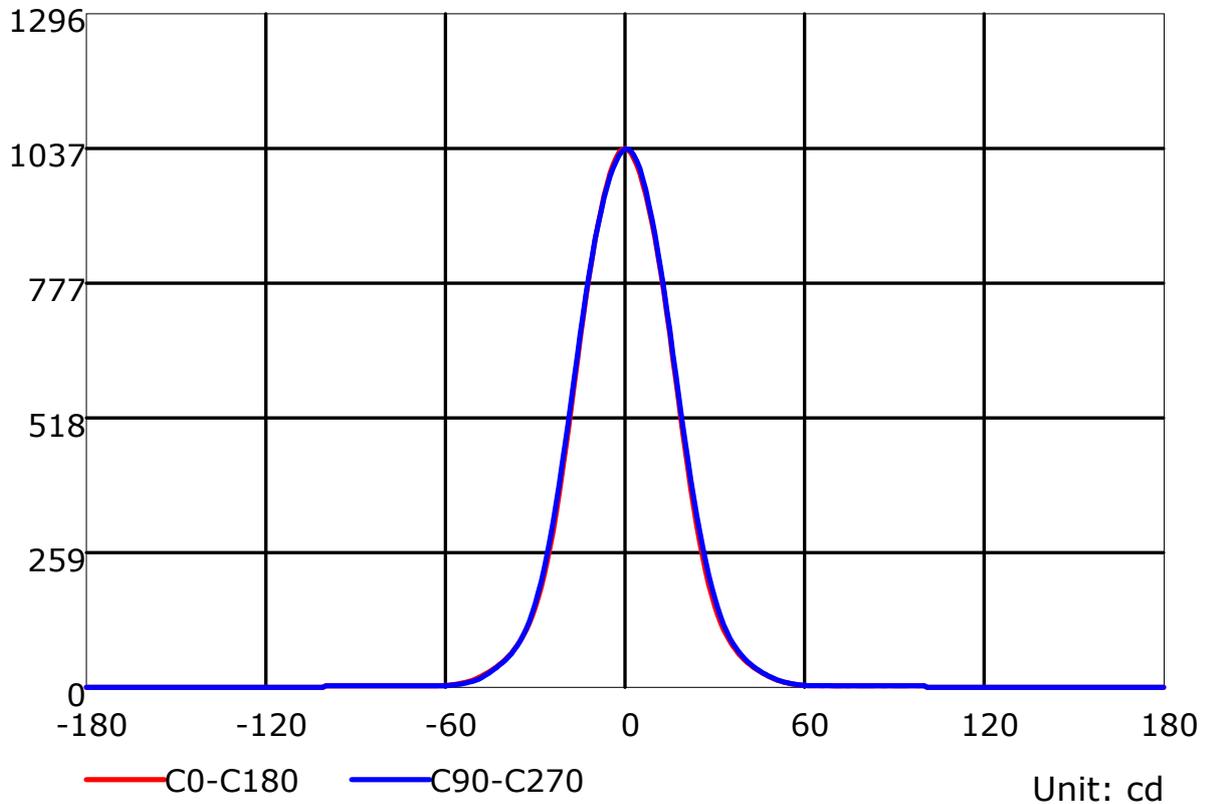
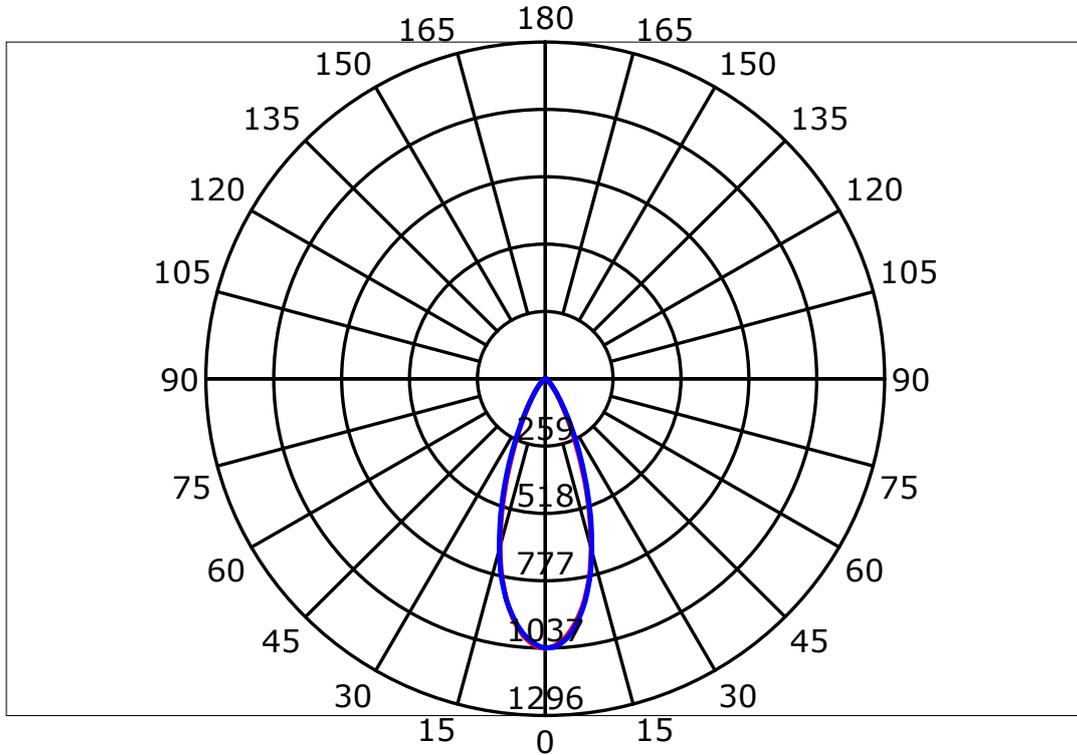
Test Device: GPM-1600L

Distance: 8.443 m

Humidity:

Inspector:

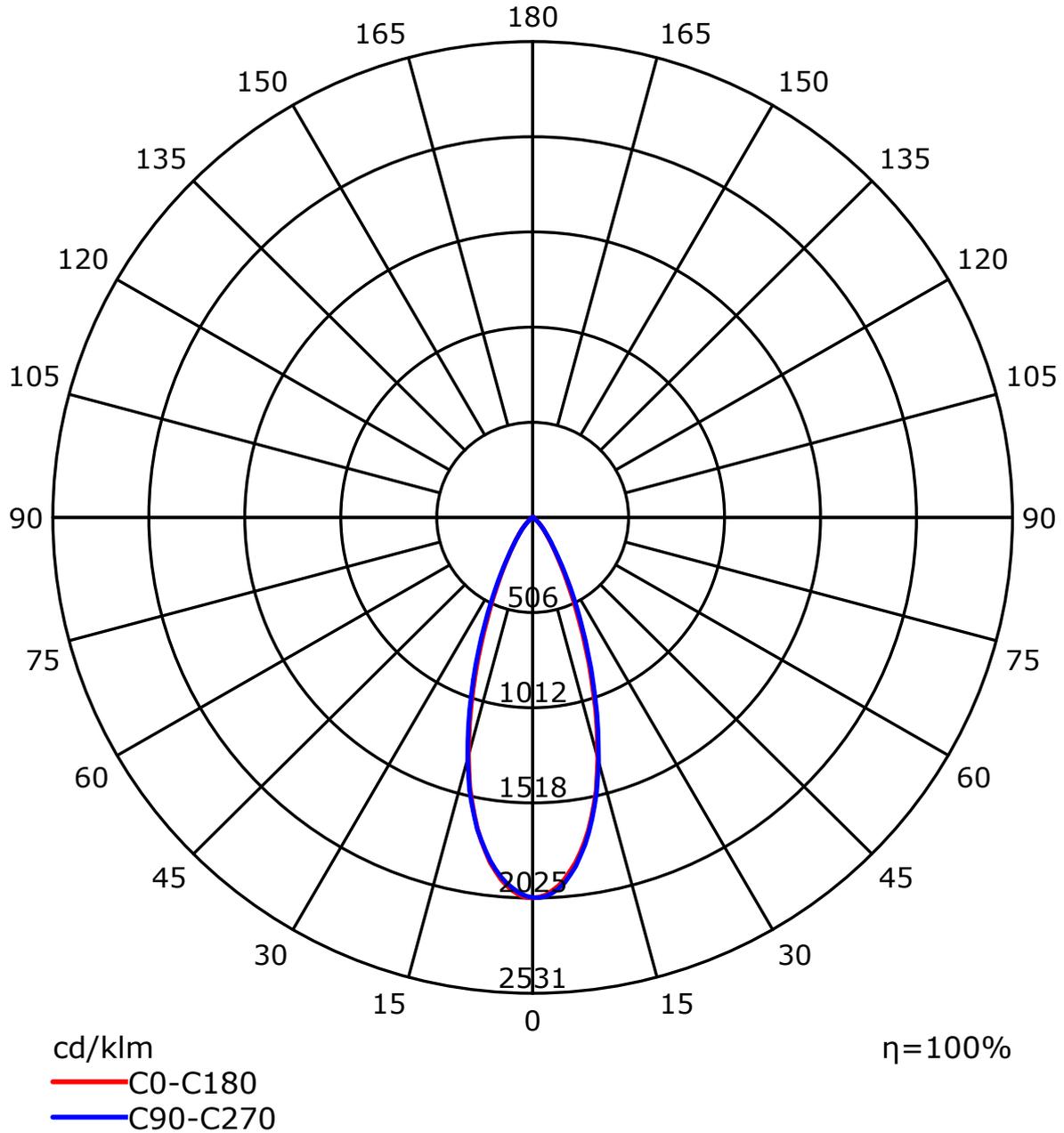
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
Humidity:  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



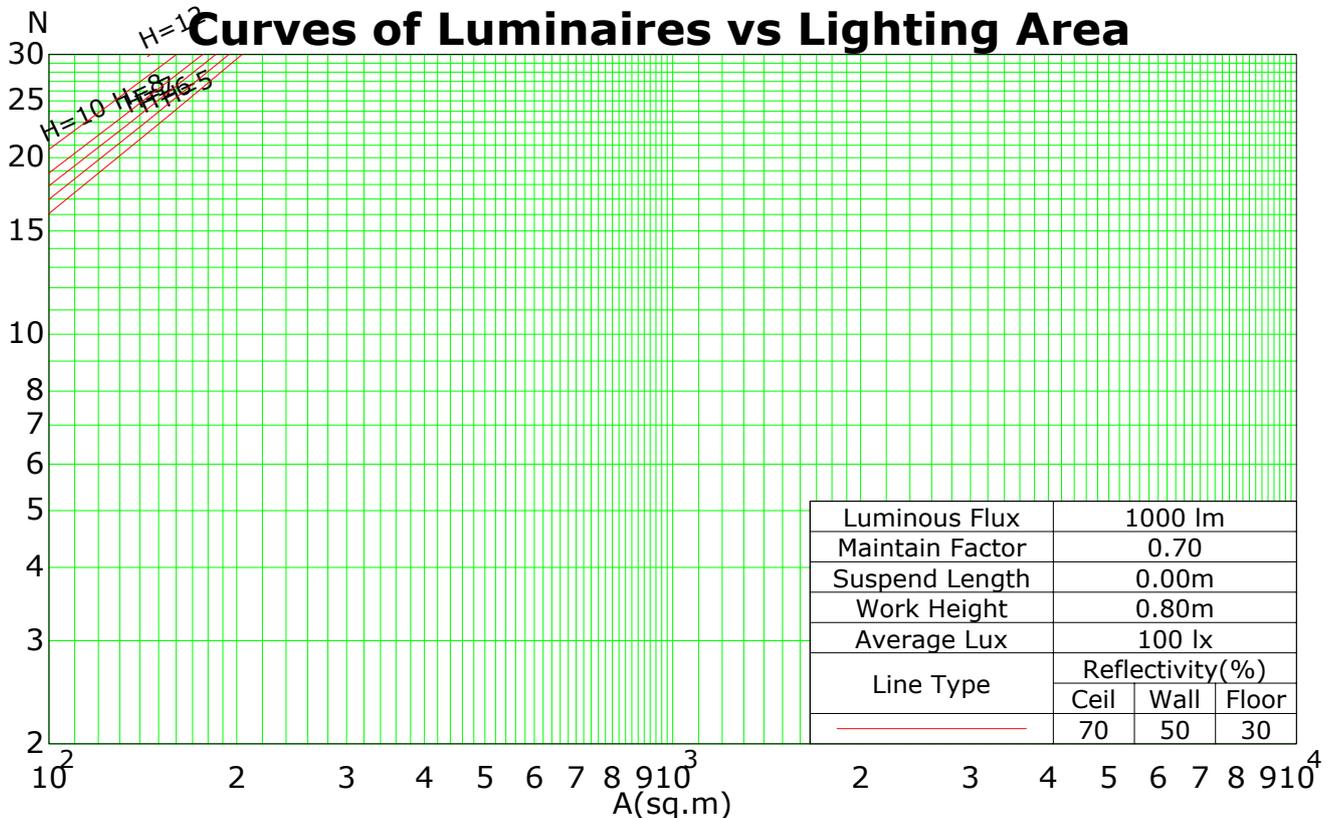
C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 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
RCCR	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	104	100	97	106	102	98	95	99	96	93	95	93	91	93	91	89	87
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	88	86	84	82
4	99	92	87	83	97	91	86	82	89	84	81	86	83	80	85	82	79	78
5	95	87	82	78	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	78	73	69	76	72	68	75	71	68	74	70	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58

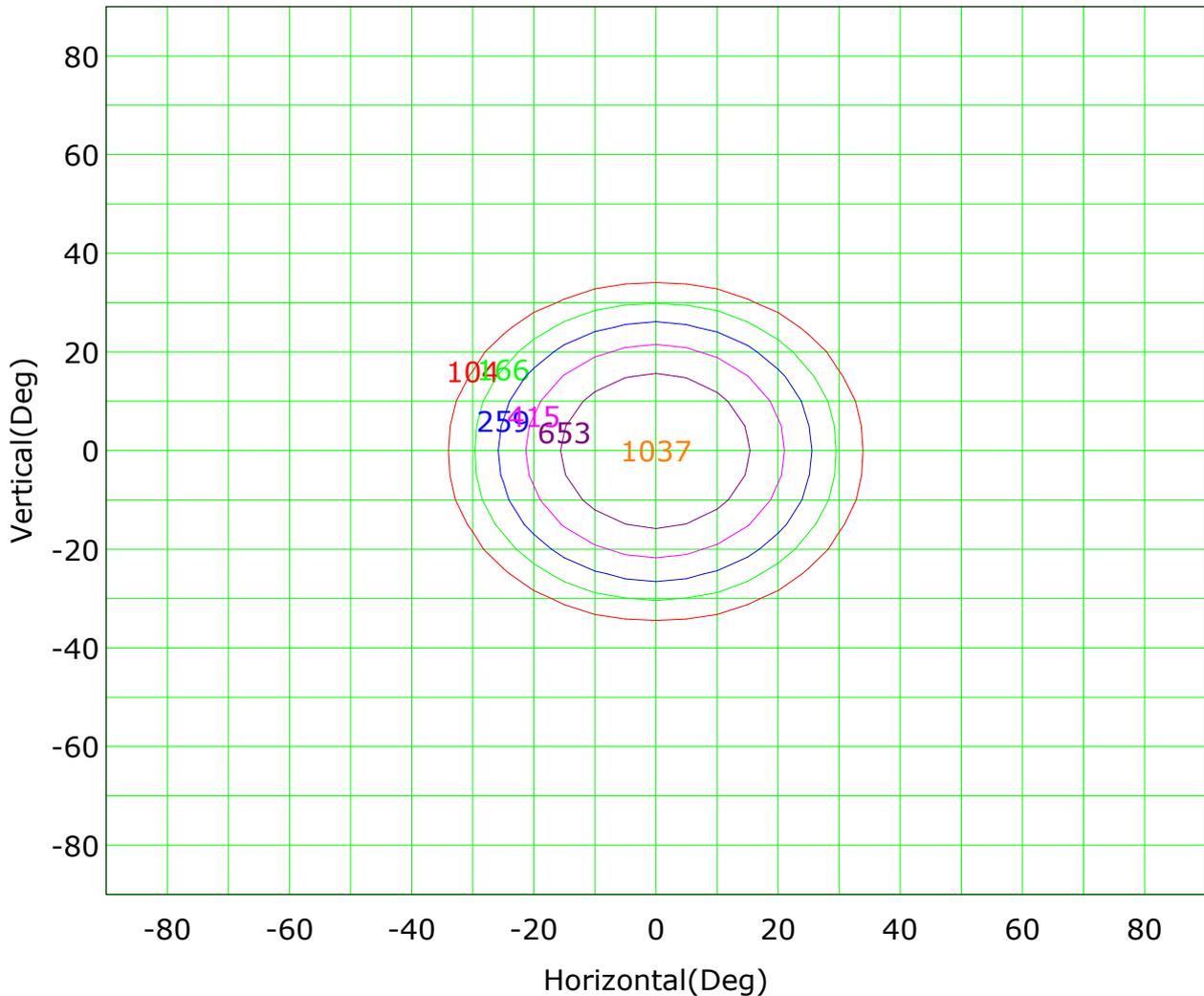
Spacing Criteria (0-180): 0.61  
 Spacing Criteria (90-270): 0.62  
 Spacing Criteria (Diagonal): 0.61



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.443 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



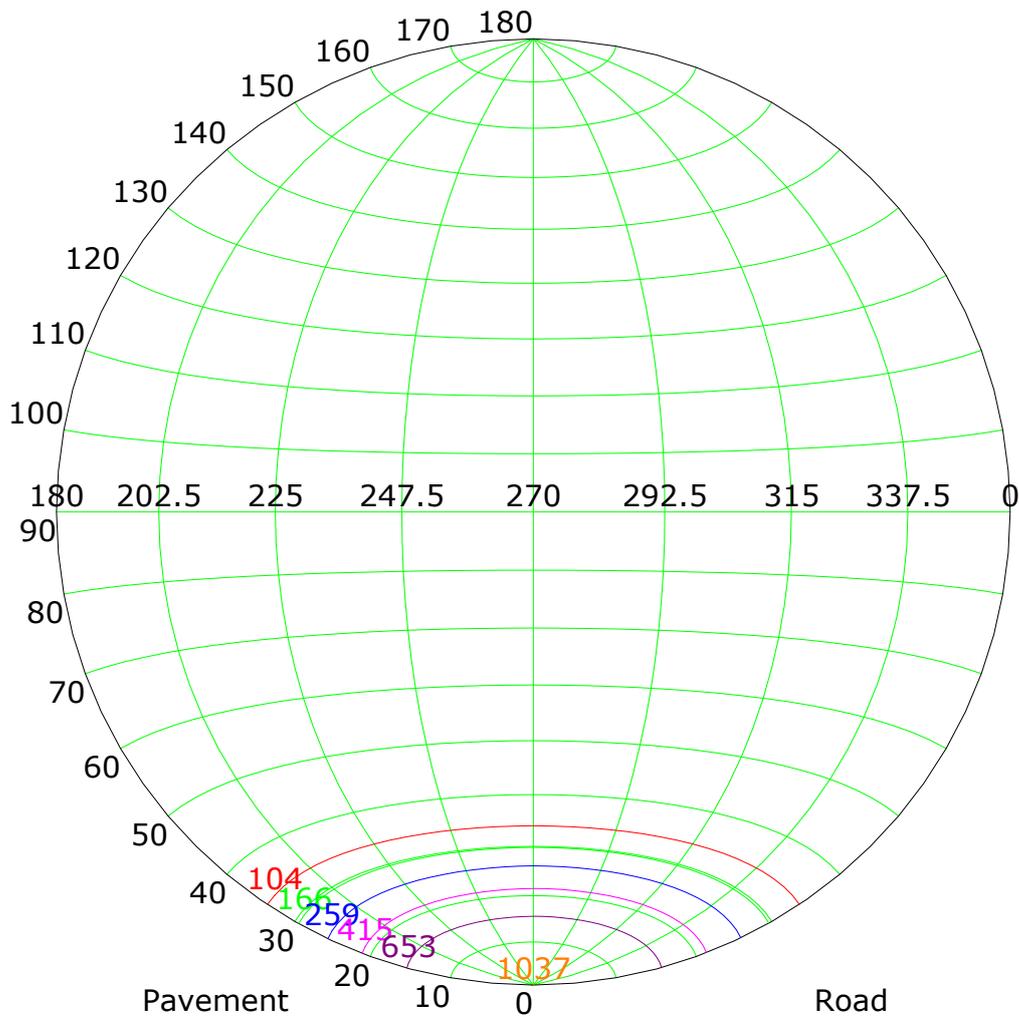
Imax (100%): 1037 cd

— ( 10%):	104 cd	— ( 16%):	166 cd
— ( 25%):	259 cd	— ( 40%):	415 cd
— ( 63%):	653 cd	— (100%):	1037 cd

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
Humidity:  
Inspector:

## Isocandela (sphere)



Imax (100%): 1037 cd

— ( 10%):	104 cd	— ( 16%):	166 cd
— ( 25%):	259 cd	— ( 40%):	415 cd
— ( 63%):	653 cd	— (100%):	1037 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

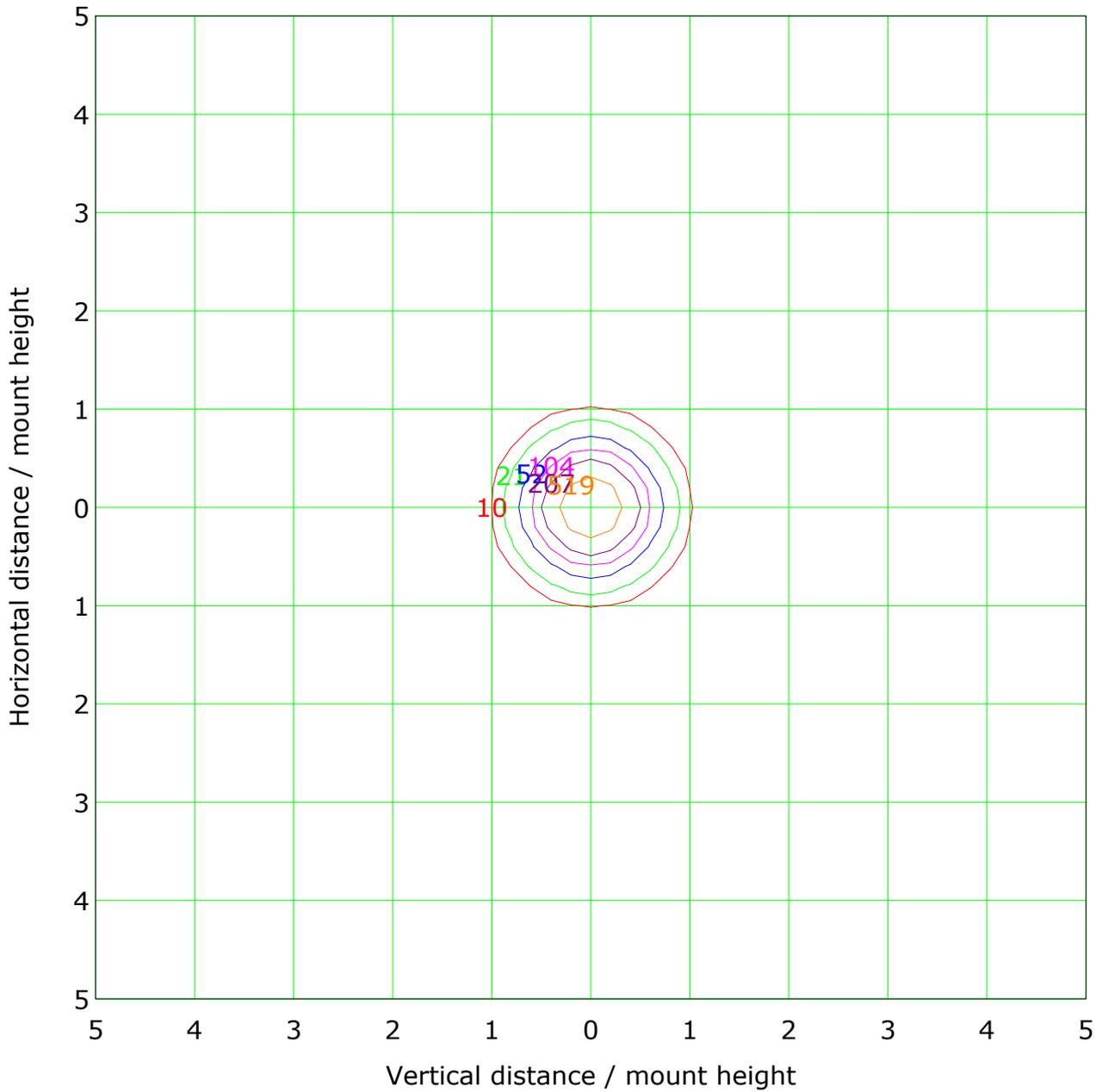
Test Device: GPM-1600L

Distance: 8.443 m

Humidity:

Inspector:

## IsoLux Plot



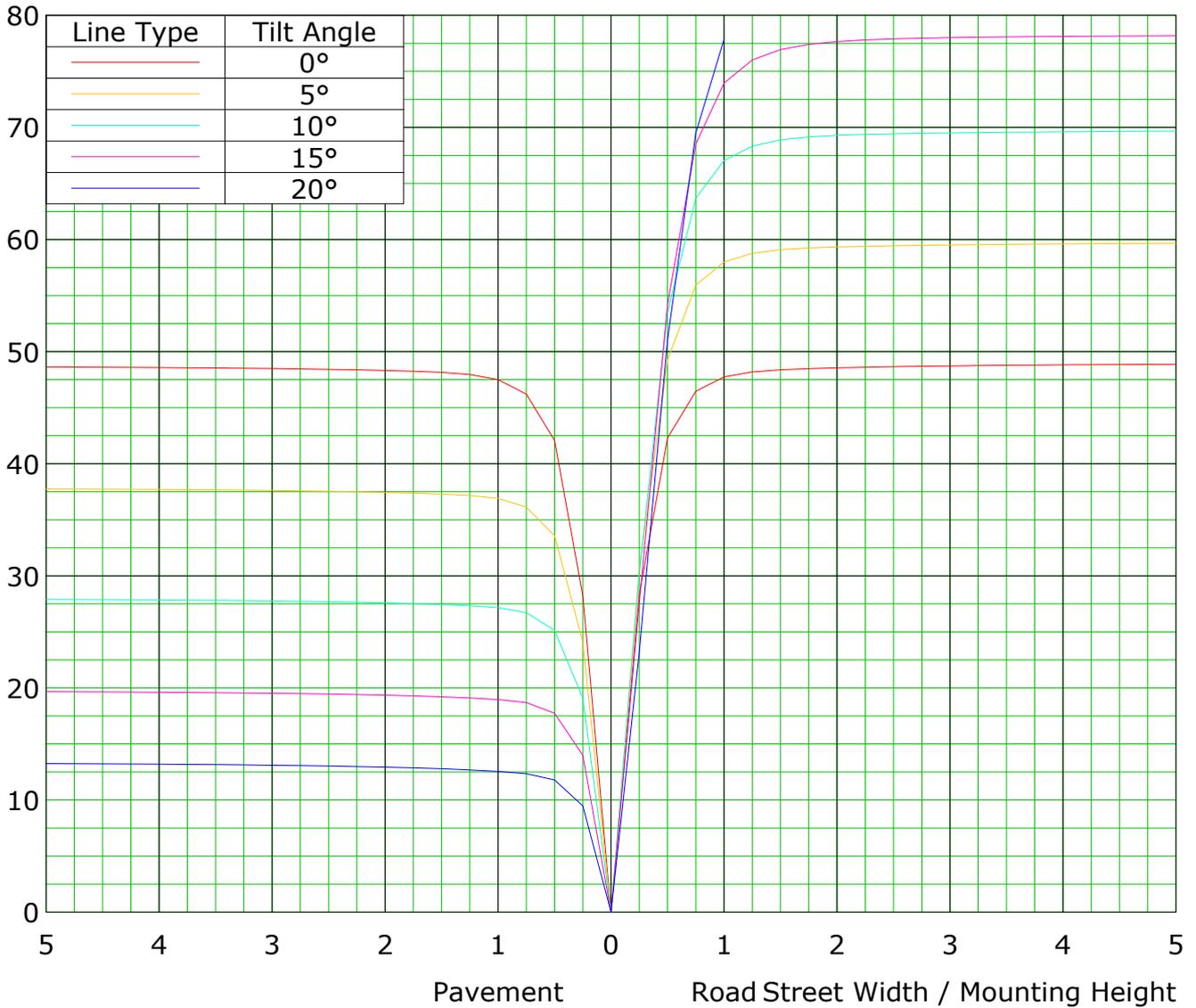
Mounting Height: 1.0m		Max Lux(100%): 1037.0 lx
— ( 1%): 10.4 lx	— ( 2%): 20.7 lx	
— ( 5%): 51.9 lx	— ( 10%): 103.7 lx	
— ( 20%): 207.4 lx	— ( 50%): 518.5 lx	
— (100%):1037.0 lx		

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
Humidity:  
Inspector:

## Roadway CU Curve

Efficiency(%)

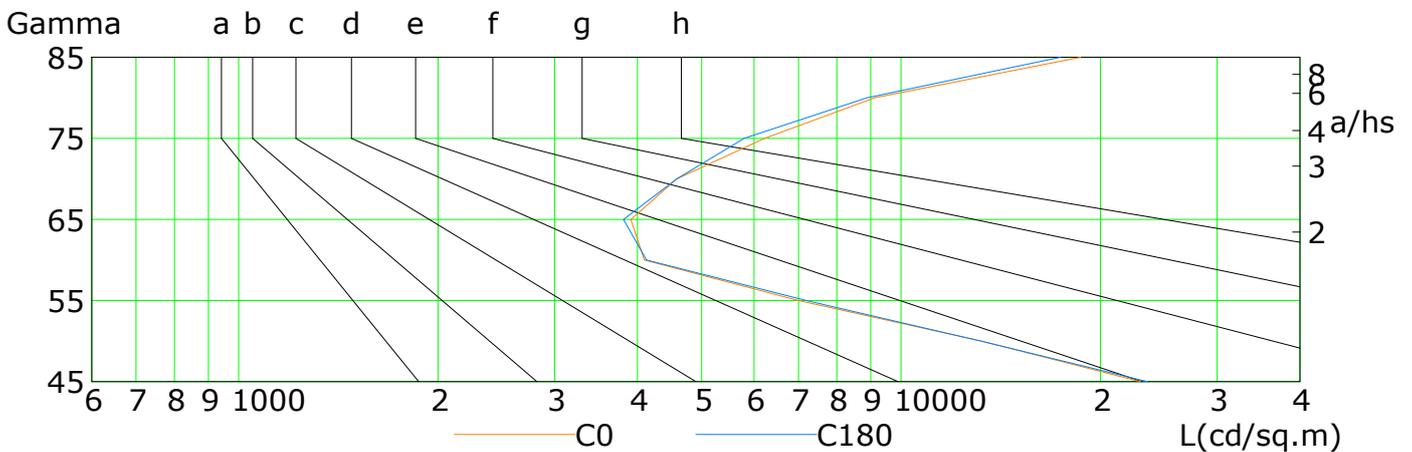
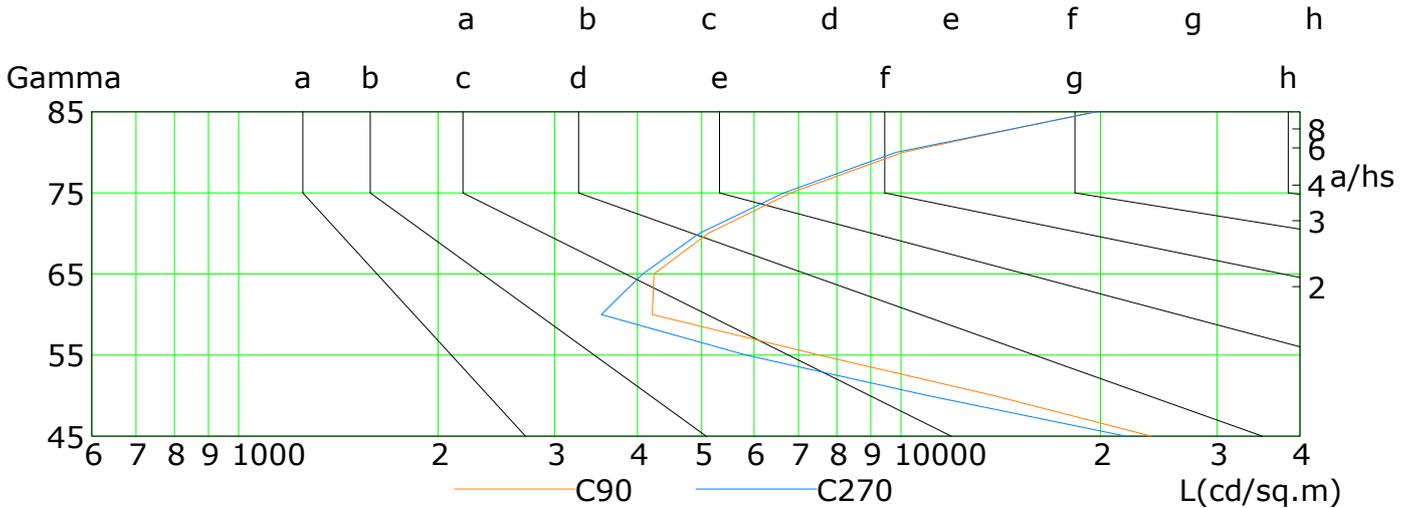


C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
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								



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	22985	13232	7001	4095	3910	4586	6223	9123	18660
C90	23870	13805	7524	4211	4234	5109	6812	10063	19566
C180	23543	13191	7194	4126	3811	4586	5796	8881	17392
C270	21838	10980	5836	3526	4072	4955	6650	9820	19747

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

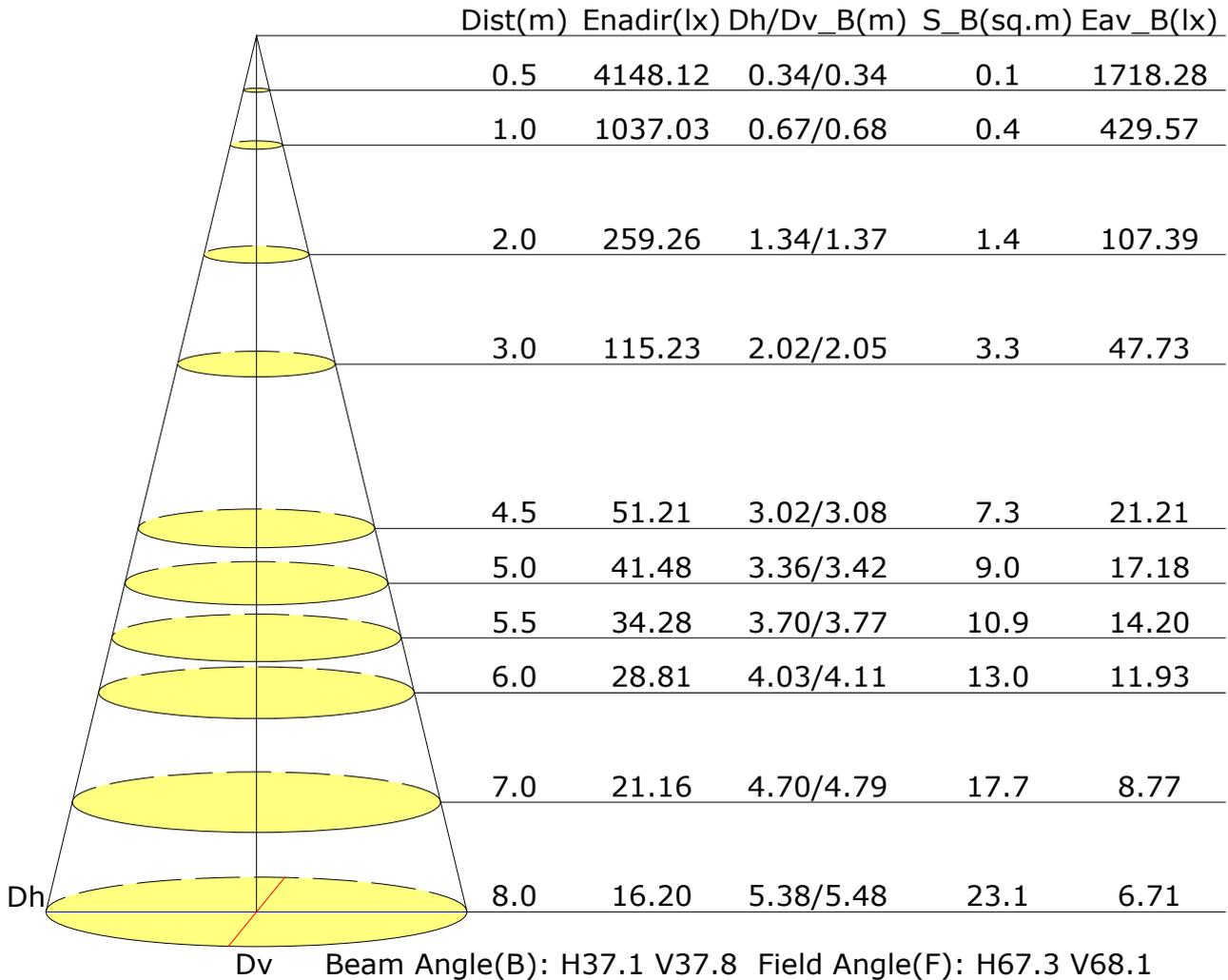
Test Device: GPM-1600L

Distance: 8.443 m

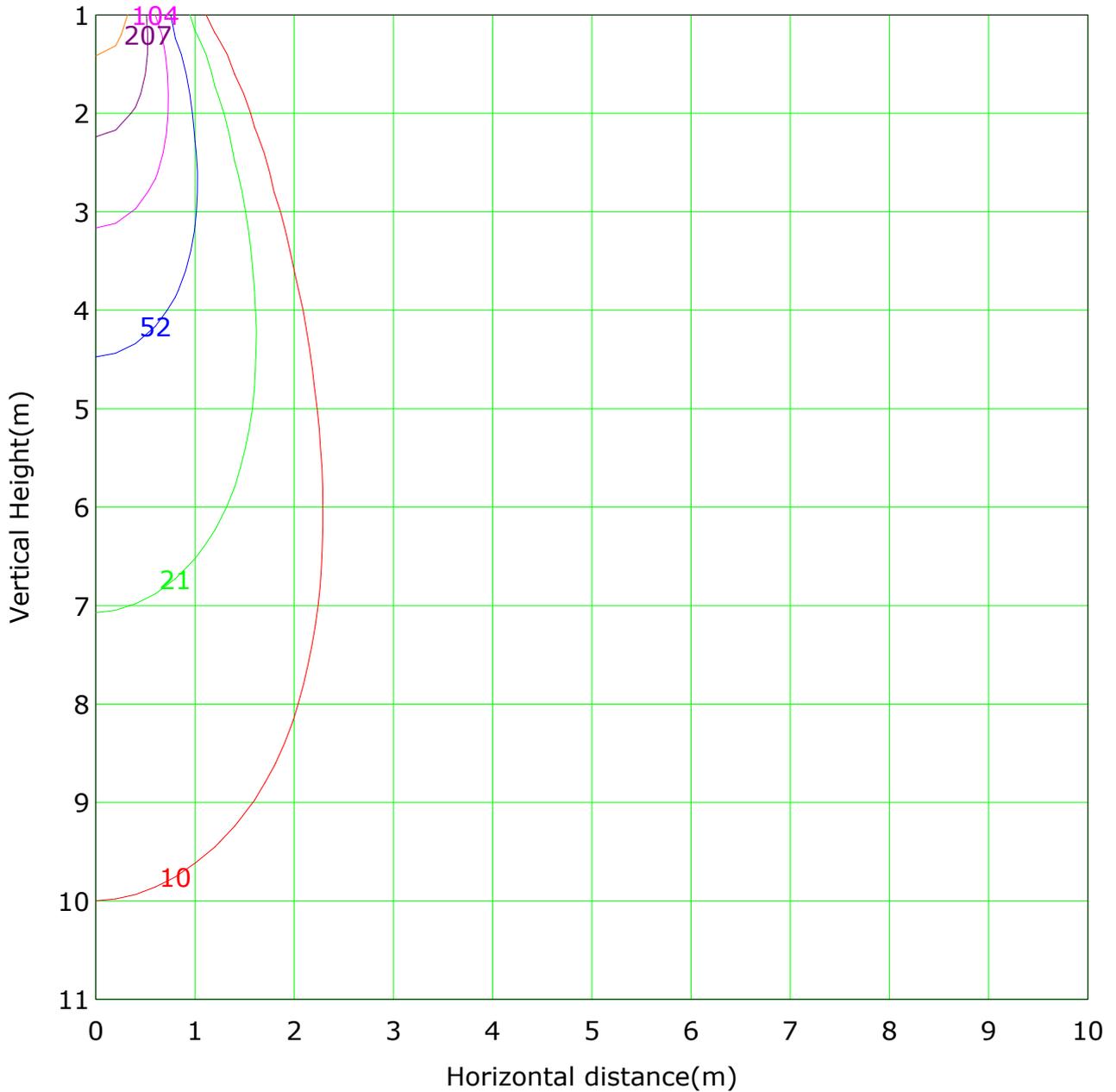
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



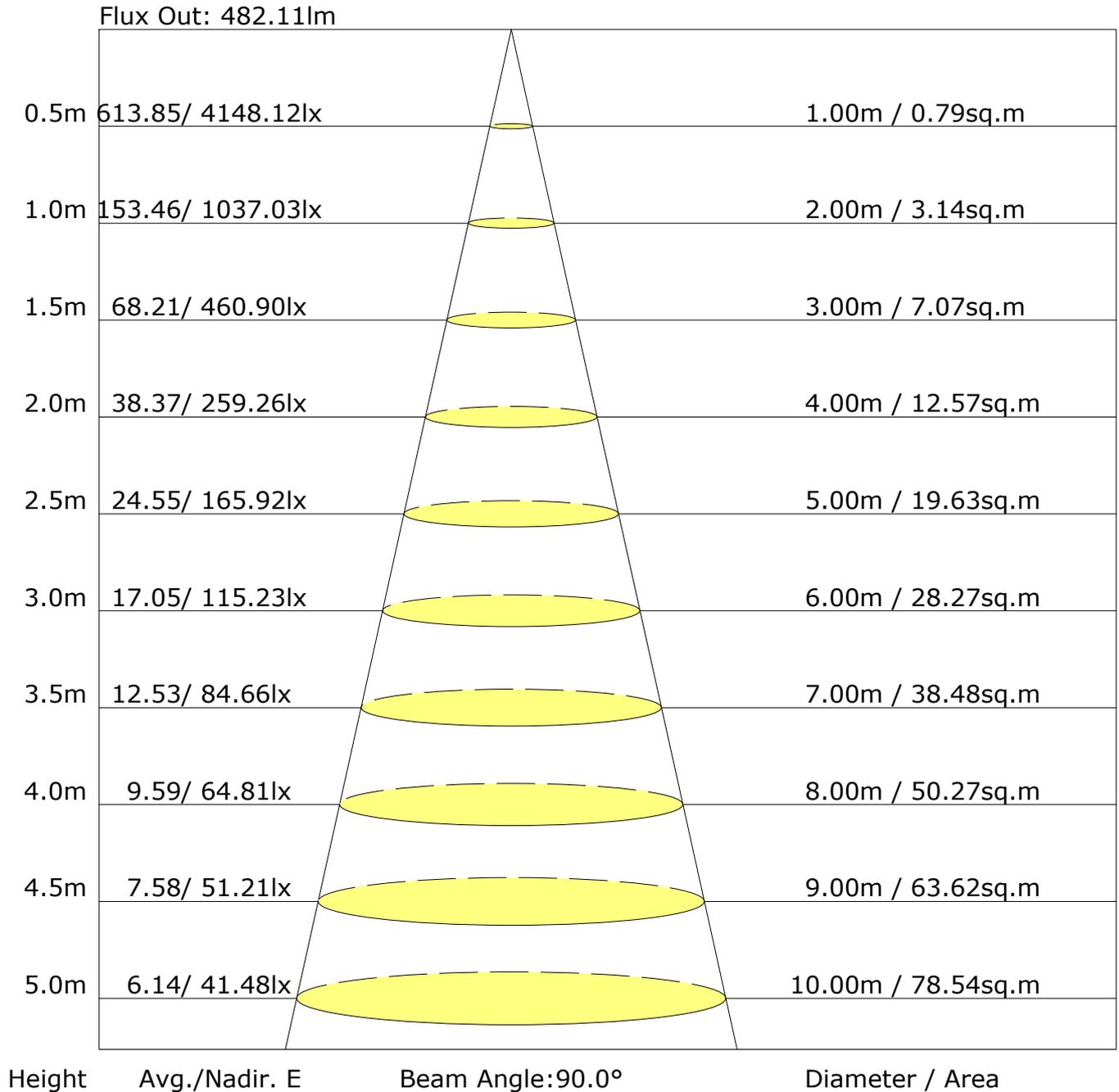
Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1037.0 lx  
 ( 1%): 10.4 lx                      ( 2%): 20.7 lx  
 ( 5%): 51.9 lx                        ( 10%): 103.7 lx  
 ( 20%): 207.4 lx                      ( 50%): 518.5 lx  
 (100%):1037.0 lx

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.443 m  
 Humidity:  
 Inspector:



## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 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	16.7	17.5	17.0	17.7	17.9	16.8	17.6	17.1	17.8	18.0
3H	16.8	17.5	17.1	17.7	18.0	16.9	17.6	17.2	17.8	18.1
4H	16.9	17.6	17.2	17.9	18.1	17.0	17.7	17.4	18.0	18.3
6H	17.3	17.9	17.6	18.2	18.5	17.4	18.1	17.8	18.4	18.7
8H	17.5	18.2	17.9	18.5	18.8	17.8	18.4	18.1	18.7	19.0
12H	18.0	18.6	18.4	18.9	19.2	18.3	18.8	18.6	19.2	19.5
X=4H Y=2H	16.6	17.2	16.9	17.5	17.8	16.7	17.3	17.0	17.6	17.9
3H	16.7	17.3	17.1	17.6	18.0	16.8	17.4	17.2	17.7	18.1
4H	17.0	17.5	17.4	17.9	18.3	17.2	17.7	17.6	18.0	18.4
6H	17.6	18.1	18.0	18.5	18.9	17.8	18.3	18.2	18.7	19.1
8H	18.1	18.5	18.5	18.9	19.3	18.3	18.8	18.8	19.2	19.6
12H	18.8	19.2	19.3	19.6	20.1	19.1	19.5	19.5	19.9	20.3
X=8H Y=4H	17.2	17.6	17.6	18.0	18.4	17.3	17.7	17.7	18.1	18.5
6H	18.0	18.3	18.5	18.8	19.3	18.2	18.5	18.7	19.0	19.4
8H	18.7	19.0	19.2	19.5	20.0	18.9	19.2	19.4	19.7	20.2
12H	19.7	20.0	20.2	20.5	21.0	20.0	20.2	20.5	20.7	21.2
X=12H Y=4H	17.2	17.6	17.7	18.0	18.4	17.3	17.7	17.8	18.1	18.6
6H	18.2	18.5	18.6	18.9	19.4	18.3	18.6	18.8	19.1	19.6
8H	19.0	19.2	19.5	19.7	20.2	19.2	19.5	19.7	19.9	20.4
Variations with the observer position at spacings:										
S=1.0H	+2.4/-2.2					+2.4/-2.2				
S=1.5H	+4.5/-3.0					+4.6/-3.0				
S=2.0H	+6.3/-3.6					+6.3/-3.4				

Calculate in accordance with CIE Pub.117. The table is revised with 512lm ( $8\log(F/F_0) = -2.3$ ).

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
Humidity:  
Inspector:

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

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	255	49.8
	FL ( 0°-30°)	204	39.9
	FM (30°-60°)	45	8.9
	FH (60°-80°)	3	0.6
	FVH (80°-90°)	2	0.3
	BACK LIGHT	254	49.5
	BL ( 0°-30°)	203	39.6
	BM (30°-60°)	46	8.9
	BH (60°-80°)	3	0.6
	BVH (80°-90°)	2	0.3
	UP LIGHT	4	0.7
	UL (90°-100°)	3	0.7
	UH (100°-180°)	0	0.0
	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: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 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	0.88	0.94	0.98	1.00	1.04	1.06	1.08	1.10	1.11	
	0.30		0.84	0.90	0.94	0.97	1.01	1.03	1.05	1.08	1.10	
	0.20		0.81	0.87	0.91	0.94	0.98	1.01	1.03	1.06	1.08	
0.50	0.50	0.20	0.87	0.92	0.96	0.98	1.01	1.03	1.04	1.06	1.07	
	0.30		0.83	0.89	0.92	0.95	0.98	1.01	1.02	1.04	1.06	
	0.20		0.80	0.86	0.90	0.92	0.96	0.99	1.00	1.03	1.04	
0.30	0.50	0.20	0.86	0.91	0.94	0.96	0.98	1.00	1.01	1.02	1.03	
	0.30		0.82	0.88	0.91	0.93	0.96	0.98	0.99	1.01	1.02	
	0.20		0.80	0.85	0.89	0.91	0.94	0.96	0.98	1.00	1.01	
0.00	0.00	0.00	0.78	0.83	0.86	0.88	0.91	0.93	0.94	0.95	0.96	
<p>Rating:8W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## 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	0.54	0.44	0.37	0.32	0.25	0.21	0.18	0.14	0.12	
	0.30		0.45	0.37	0.32	0.28	0.23	0.19	0.17	0.13	0.11	
	0.20		0.38	0.33	0.29	0.25	0.21	0.18	0.16	0.13	0.11	
0.50	0.50	0.20	0.51	0.41	0.34	0.30	0.24	0.24	0.17	0.13	0.11	
	0.30		0.43	0.36	0.30	0.27	0.22	0.18	0.16	0.12	0.10	
	0.20		0.37	0.31	0.27	0.24	0.20	0.17	0.15	0.12	0.10	
0.30	0.50	0.20	0.49	0.39	0.32	0.28	0.22	0.18	0.15	0.12	0.10	
	0.30		0.42	0.34	0.29	0.25	0.20	0.17	0.14	0.11	0.09	
	0.20		0.36	0.30	0.26	0.23	0.19	0.16	0.14	0.11	0.09	
0.00	0.00	0.00	0.22	0.18	0.15	0.12	0.10	0.08	0.07	0.05	0.04	
<p>Rating:8W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## 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	0.13	0.15	0.16	0.17	0.18	0.19	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	0.14	0.15	0.16	0.18	0.19	0.19	0.20	0.21
	0.30		0.09	0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.12	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	0.09	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
<p>Rating:8W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## 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	1035.3	1.0	1.0	0.19	0.19
1.0-2.0	1031.5	3.0	4.0	0.58	0.77
2.0-3.0	1023.5	4.9	8.8	0.96	1.73
3.0-4.0	1012.1	6.8	15.6	1.32	3.05
4.0-5.0	998.0	8.6	24.2	1.68	4.73
5.0-6.0	979.9	10.3	34.5	2.01	6.74
6.0-7.0	959.1	11.9	46.4	2.33	9.06
7.0-8.0	935.3	13.4	59.8	2.61	11.68
8.0-9.0	908.6	14.7	74.5	2.88	14.55
9.0-10.0	880.4	15.9	90.5	3.11	17.67
10.0-11.0	848.6	17.0	107.4	3.31	20.98
11.0-12.0	814.3	17.8	125.2	3.48	24.45
12.0-13.0	779.3	18.5	143.7	3.61	28.07
13.0-14.0	740.5	19.0	162.7	3.70	31.77
14.0-15.0	699.4	19.2	181.9	3.75	35.52
15.0-16.0	657.1	19.3	201.1	3.76	39.28
16.0-17.0	613.8	19.1	220.3	3.73	43.01
17.0-18.0	571.9	18.9	239.1	3.68	46.69
18.0-19.0	528.6	18.4	257.5	3.59	50.29
19.0-20.0	485.8	17.8	275.3	3.47	53.76
20.0-21.0	446.4	17.1	292.4	3.35	57.11
21.0-22.0	406.9	16.4	308.8	3.19	60.30
22.0-23.0	369.0	15.5	324.3	3.02	63.32
23.0-24.0	333.7	14.6	338.9	2.85	66.17
24.0-25.0	300.1	13.6	352.5	2.67	68.84
25.0-26.0	270.3	12.8	365.3	2.49	71.33
26.0-27.0	241.9	11.8	377.1	2.31	73.64
27.0-28.0	215.6	10.9	388.0	2.13	75.77
28.0-29.0	192.6	10.1	398.1	1.97	77.74
29.0-30.0	171.5	9.3	407.4	1.81	79.55
30.0-31.0	152.4	8.5	415.9	1.66	81.21
31.0-32.0	135.6	7.8	423.6	1.52	82.72
32.0-33.0	120.6	7.1	430.7	1.39	84.11
33.0-34.0	108.1	6.5	437.3	1.28	85.39
34.0-35.0	96.6	6.0	443.3	1.17	86.56
35.0-36.0	86.5	5.5	448.8	1.08	87.64

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
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	77.9	5.1	453.9	0.99	88.63
37.0-38.0	70.0	4.7	458.5	0.91	89.54
38.0-39.0	62.9	4.3	462.8	0.84	90.38
39.0-40.0	56.5	3.9	466.8	0.77	91.15
40.0-41.0	50.8	3.6	470.4	0.71	91.86
41.0-42.0	46.0	3.3	473.7	0.65	92.51
42.0-43.0	41.3	3.1	476.8	0.60	93.11
43.0-44.0	37.0	2.8	479.6	0.54	93.65
44.0-45.0	33.0	2.5	482.1	0.49	94.15
45.0-46.0	29.2	2.3	484.4	0.45	94.59
46.0-47.0	25.8	2.1	486.5	0.40	94.99
47.0-48.0	22.6	1.8	488.3	0.36	95.35
48.0-49.0	19.5	1.6	489.9	0.31	95.66
49.0-50.0	16.9	1.4	491.3	0.27	95.94
50.0-51.0	14.5	1.2	492.5	0.24	96.18
51.0-52.0	12.5	1.1	493.6	0.21	96.39
52.0-53.0	10.8	0.9	494.5	0.18	96.57
53.0-54.0	9.4	0.8	495.3	0.16	96.73
54.0-55.0	8.1	0.7	496.1	0.14	96.87
55.0-56.0	6.9	0.6	496.7	0.12	97.00
56.0-57.0	6.0	0.5	497.2	0.11	97.10
57.0-58.0	5.2	0.5	497.7	0.09	97.20
58.0-59.0	4.5	0.4	498.2	0.08	97.28
59.0-60.0	4.0	0.4	498.5	0.07	97.35
60.0-61.0	3.6	0.3	498.9	0.07	97.42
61.0-62.0	3.3	0.3	499.2	0.06	97.48
62.0-63.0	3.3	0.3	499.5	0.06	97.54
63.0-64.0	3.2	0.3	499.8	0.06	97.60
64.0-65.0	3.2	0.3	500.1	0.06	97.67
65.0-66.0	3.2	0.3	500.5	0.06	97.73
66.0-67.0	3.2	0.3	500.8	0.06	97.79
67.0-68.0	3.2	0.3	501.1	0.06	97.86
68.0-69.0	3.2	0.3	501.4	0.06	97.92
69.0-70.0	3.1	0.3	501.8	0.06	97.98
70.0-71.0	3.1	0.3	502.1	0.06	98.05
71.0-72.0	3.1	0.3	502.4	0.06	98.11

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
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	3.1	0.3	502.7	0.06	98.17
73.0-74.0	3.1	0.3	503.1	0.06	98.24
74.0-75.0	3.1	0.3	503.4	0.06	98.30
75.0-76.0	3.1	0.3	503.7	0.07	98.37
76.0-77.0	3.1	0.3	504.1	0.07	98.43
77.0-78.0	3.1	0.3	504.4	0.07	98.50
78.0-79.0	3.1	0.3	504.7	0.07	98.57
79.0-80.0	3.1	0.3	505.1	0.07	98.63
80.0-81.0	3.1	0.3	505.4	0.07	98.70
81.0-82.0	3.1	0.3	505.8	0.07	98.76
82.0-83.0	3.1	0.3	506.1	0.07	98.83
83.0-84.0	3.1	0.3	506.4	0.07	98.90
84.0-85.0	3.1	0.3	506.8	0.07	98.96
85.0-86.0	3.1	0.3	507.1	0.07	99.03
86.0-87.0	3.1	0.3	507.5	0.07	99.10
87.0-88.0	3.1	0.3	507.8	0.07	99.17
88.0-89.0	3.2	0.3	508.2	0.07	99.23
89.0-90.0	3.2	0.3	508.5	0.07	99.30
90.0-91.0	3.1	0.3	508.8	0.07	99.37
91.0-92.0	3.1	0.3	509.2	0.07	99.43
92.0-93.0	3.1	0.3	509.5	0.07	99.50
93.0-94.0	3.1	0.3	509.9	0.07	99.57
94.0-95.0	3.1	0.3	510.2	0.07	99.63
95.0-96.0	3.1	0.3	510.6	0.07	99.70
96.0-97.0	3.1	0.3	510.9	0.07	99.77
97.0-98.0	3.1	0.3	511.2	0.07	99.83
98.0-99.0	3.1	0.3	511.6	0.07	99.90
99.0-100.0	3.1	0.3	511.9	0.07	99.97
100.0-101.0	1.6	0.2	512.1	0.03	100.00
101.0-102.0	0.0	0.0	512.1	0.00	100.00
102.0-103.0	0.0	0.0	512.1	0.00	100.00
103.0-104.0	0.0	0.0	512.1	0.00	100.00
104.0-105.0	0.0	0.0	512.1	0.00	100.00
105.0-106.0	0.0	0.0	512.1	0.00	100.00
106.0-107.0	0.0	0.0	512.1	0.00	100.00
107.0-108.0	0.0	0.0	512.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
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	512.1	0.00	100.00
109.0-110.0	0.0	0.0	512.1	0.00	100.00
110.0-111.0	0.0	0.0	512.1	0.00	100.00
111.0-112.0	0.0	0.0	512.1	0.00	100.00
112.0-113.0	0.0	0.0	512.1	0.00	100.00
113.0-114.0	0.0	0.0	512.1	0.00	100.00
114.0-115.0	0.0	0.0	512.1	0.00	100.00
115.0-116.0	0.0	0.0	512.1	0.00	100.00
116.0-117.0	0.0	0.0	512.1	0.00	100.00
117.0-118.0	0.0	0.0	512.1	0.00	100.00
118.0-119.0	0.0	0.0	512.1	0.00	100.00
119.0-120.0	0.0	0.0	512.1	0.00	100.00
120.0-121.0	0.0	0.0	512.1	0.00	100.00
121.0-122.0	0.0	0.0	512.1	0.00	100.00
122.0-123.0	0.0	0.0	512.1	0.00	100.00
123.0-124.0	0.0	0.0	512.1	0.00	100.00
124.0-125.0	0.0	0.0	512.1	0.00	100.00
125.0-126.0	0.0	0.0	512.1	0.00	100.00
126.0-127.0	0.0	0.0	512.1	0.00	100.00
127.0-128.0	0.0	0.0	512.1	0.00	100.00
128.0-129.0	0.0	0.0	512.1	0.00	100.00
129.0-130.0	0.0	0.0	512.1	0.00	100.00
130.0-131.0	0.0	0.0	512.1	0.00	100.00
131.0-132.0	0.0	0.0	512.1	0.00	100.00
132.0-133.0	0.0	0.0	512.1	0.00	100.00
133.0-134.0	0.0	0.0	512.1	0.00	100.00
134.0-135.0	0.0	0.0	512.1	0.00	100.00
135.0-136.0	0.0	0.0	512.1	0.00	100.00
136.0-137.0	0.0	0.0	512.1	0.00	100.00
137.0-138.0	0.0	0.0	512.1	0.00	100.00
138.0-139.0	0.0	0.0	512.1	0.00	100.00
139.0-140.0	0.0	0.0	512.1	0.00	100.00
140.0-141.0	0.0	0.0	512.1	0.00	100.00
141.0-142.0	0.0	0.0	512.1	0.00	100.00
142.0-143.0	0.0	0.0	512.1	0.00	100.00
143.0-144.0	0.0	0.0	512.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
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	0.0	0.0	512.1	0.00	100.00
145.0-146.0	0.0	0.0	512.1	0.00	100.00
146.0-147.0	0.0	0.0	512.1	0.00	100.00
147.0-148.0	0.0	0.0	512.1	0.00	100.00
148.0-149.0	0.0	0.0	512.1	0.00	100.00
149.0-150.0	0.0	0.0	512.1	0.00	100.00
150.0-151.0	0.0	0.0	512.1	0.00	100.00
151.0-152.0	0.0	0.0	512.1	0.00	100.00
152.0-153.0	0.0	0.0	512.1	0.00	100.00
153.0-154.0	0.0	0.0	512.1	0.00	100.00
154.0-155.0	0.0	0.0	512.1	0.00	100.00
155.0-156.0	0.0	0.0	512.1	0.00	100.00
156.0-157.0	0.0	0.0	512.1	0.00	100.00
157.0-158.0	0.0	0.0	512.1	0.00	100.00
158.0-159.0	0.0	0.0	512.1	0.00	100.00
159.0-160.0	0.0	0.0	512.1	0.00	100.00
160.0-161.0	0.0	0.0	512.1	0.00	100.00
161.0-162.0	0.0	0.0	512.1	0.00	100.00
162.0-163.0	0.0	0.0	512.1	0.00	100.00
163.0-164.0	0.0	0.0	512.1	0.00	100.00
164.0-165.0	0.0	0.0	512.1	0.00	100.00
165.0-166.0	0.0	0.0	512.1	0.00	100.00
166.0-167.0	0.0	0.0	512.1	0.00	100.00
167.0-168.0	0.0	0.0	512.1	0.00	100.00
168.0-169.0	0.0	0.0	512.1	0.00	100.00
169.0-170.0	0.0	0.0	512.1	0.00	100.00
170.0-171.0	0.0	0.0	512.1	0.00	100.00
171.0-172.0	0.0	0.0	512.1	0.00	100.00
172.0-173.0	0.0	0.0	512.1	0.00	100.00
173.0-174.0	0.0	0.0	512.1	0.00	100.00
174.0-175.0	0.0	0.0	512.1	0.00	100.00
175.0-176.0	0.0	0.0	512.1	0.00	100.00
176.0-177.0	0.0	0.0	512.1	0.00	100.00
177.0-178.0	0.0	0.0	512.1	0.00	100.00
178.0-179.0	0.0	0.0	512.1	0.00	100.00
179.0-180.0	0.0	0.0	512.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.443 m  
 Humidity:  
 Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1037.0	1035.5	1037.0	1035.5	1037.0					
G1.0	1034.4	1035.9	1035.3	1031.7	1034.4					
G2.0	1028.5	1032.3	1029.8	1024.1	1028.5					
G3.0	1017.7	1024.2	1019.2	1012.4	1017.7					
G4.0	1005.2	1012.7	1005.9	999.5	1005.2					
G5.0	989.1	998.3	990.0	983.5	989.1					
G6.0	968.3	977.9	968.6	963.8	968.3					
G7.0	947.6	956.9	947.1	942.6	947.6					
G8.0	922.3	929.4	919.6	916.8	922.3					
G9.0	895.4	903.0	891.5	890.5	895.4					
G10.0	865.9	872.6	861.0	863.1	865.9					
G11.0	832.5	838.6	826.4	829.0	832.5					
G12.0	797.9	803.6	790.9	795.2	797.9					
G13.0	762.5	768.7	755.2	760.5	762.5					
G14.0	719.5	726.6	712.1	719.0	719.5					
G15.0	680.0	688.2	670.5	679.2	680.0					
G16.0	633.4	643.0	625.8	636.4	633.4					
G17.0	592.1	602.8	582.4	594.7	592.1					
G18.0	550.7	561.0	539.1	552.8	550.7					
G19.0	503.9	517.6	494.5	509.5	503.9					
G20.0	462.1	477.3	452.8	468.9	462.1					
G21.0	423.7	440.2	414.5	431.7	423.7					
G22.0	381.7	399.7	373.3	390.7	381.7					
G23.0	347.1	366.0	337.5	356.2	347.1					
G24.0	311.0	331.1	301.2	319.3	311.0					
G25.0	279.0	299.9	272.0	287.5	279.0					
G26.0	251.2	270.8	244.0	258.0	251.2					
G27.0	222.1	242.8	217.1	229.4	222.1					
G28.0	198.1	216.9	193.9	204.6	198.1					
G29.0	177.4	193.8	173.2	183.2	177.4					
G30.0	156.4	172.3	154.1	161.3	156.4					
G31.0	139.5	153.7	138.1	143.9	139.5					
G32.0	123.9	135.8	123.3	126.4	123.9					
G33.0	110.9	120.6	110.9	113.2	110.9					
G34.0	100.0	107.9	100.4	100.9	100.0					
G35.0	89.5	95.1	89.6	89.8	89.5					
G36.0	80.4	85.6	81.3	80.6	80.4					

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
Humidity:  
Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	72.6	76.9	73.3	72.7	72.6					
G38.0	64.7	68.9	65.9	64.6	64.7					
G39.0	58.6	61.8	59.9	58.5	58.6					
G40.0	52.3	55.2	53.7	52.2	52.3					
G41.0	47.5	49.7	48.7	47.4	47.5					
G42.0	43.0	44.7	44.0	42.8	43.0					
G43.0	38.3	40.1	39.4	38.0	38.3					
G44.0	34.6	35.8	35.5	33.9	34.6					
G45.0	30.9	32.1	31.6	29.3	30.9					
G46.0	27.4	28.2	28.2	25.8	27.4					
G47.0	24.4	25.2	25.2	22.2	24.4					
G48.0	21.3	22.0	21.7	18.7	21.3					
G49.0	18.6	19.4	18.8	15.6	18.6					
G50.0	16.2	16.9	16.1	13.4	16.2					
G51.0	13.8	14.3	13.6	11.6	13.8					
G52.0	12.0	12.4	11.9	10.2	12.0					
G53.0	10.3	10.7	10.3	8.8	10.3					
G54.0	8.9	9.5	9.1	7.6	8.9					
G55.0	7.6	8.2	7.8	6.4	7.6					
G56.0	6.5	6.8	6.6	5.6	6.5					
G57.0	5.7	5.9	5.6	4.9	5.7					
G58.0	5.0	5.2	5.0	4.4	5.0					
G59.0	4.3	4.6	4.3	3.5	4.3					
G60.0	3.9	4.0	3.9	3.3	3.9					
G61.0	3.3	3.5	3.3	3.3	3.3					
G62.0	3.2	3.5	3.1	3.3	3.2					
G63.0	3.1	3.5	3.1	3.3	3.1					
G64.0	3.1	3.4	3.0	3.3	3.1					
G65.0	3.1	3.4	3.1	3.3	3.1					
G66.0	3.1	3.3	3.0	3.3	3.1					
G67.0	3.1	3.4	3.0	3.3	3.1					
G68.0	3.1	3.4	2.9	3.3	3.1					
G69.0	3.1	3.4	2.9	3.3	3.1					
G70.0	3.0	3.3	3.0	3.2	3.0					
G71.0	3.1	3.4	3.0	3.2	3.1					
G72.0	3.1	3.3	3.0	3.2	3.1					
G73.0	3.1	3.3	2.9	3.3	3.1					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.443 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	3.1	3.3	2.9	3.3	3.1					
G75.0	3.1	3.3	2.8	3.3	3.1					
G76.0	3.1	3.3	2.8	3.3	3.1					
G77.0	3.1	3.3	2.9	3.3	3.1					
G78.0	3.1	3.3	2.9	3.2	3.1					
G79.0	3.1	3.4	2.9	3.3	3.1					
G80.0	3.0	3.3	2.9	3.2	3.0					
G81.0	3.0	3.3	2.9	3.3	3.0					
G82.0	3.0	3.3	2.8	3.3	3.0					
G83.0	3.1	3.3	2.8	3.3	3.1					
G84.0	3.1	3.3	2.9	3.2	3.1					
G85.0	3.1	3.2	2.9	3.3	3.1					
G86.0	3.0	3.3	2.9	3.3	3.0					
G87.0	3.1	3.3	2.9	3.3	3.1					
G88.0	3.1	3.3	2.9	3.3	3.1					
G89.0	3.1	3.3	2.9	3.3	3.1					
G90.0	3.1	3.4	2.8	3.3	3.1					
G91.0	3.0	3.3	2.8	3.3	3.0					
G92.0	3.0	3.3	2.9	3.2	3.0					
G93.0	3.1	3.3	2.8	3.2	3.1					
G94.0	3.0	3.3	2.9	3.3	3.0					
G95.0	3.1	3.3	2.8	3.3	3.1					
G96.0	3.1	3.3	2.8	3.3	3.1					
G97.0	3.1	3.3	2.8	3.3	3.1					
G98.0	3.1	3.3	2.8	3.3	3.1					
G99.0	3.1	3.3	2.8	3.3	3.1					
G100.0	3.1	3.3	2.8	3.2	3.1					
G101.0	0.0	0.0	0.0	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.0	0.0	0.0	0.0	0.0					
G104.0	0.0	0.0	0.0	0.0	0.0					
G105.0	0.0	0.0	0.0	0.0	0.0					
G106.0	0.0	0.0	0.0	0.0	0.0					
G107.0	0.0	0.0	0.0	0.0	0.0					
G108.0	0.0	0.0	0.0	0.0	0.0					
G109.0	0.0	0.0	0.0	0.0	0.0					
G110.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.443 m  
 Humidity:  
 Inspector:

### Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.0	0.0	0.0	0.0	0.0					
G112.0	0.0	0.0	0.0	0.0	0.0					
G113.0	0.0	0.0	0.0	0.0	0.0					
G114.0	0.0	0.0	0.0	0.0	0.0					
G115.0	0.0	0.0	0.0	0.0	0.0					
G116.0	0.0	0.0	0.0	0.0	0.0					
G117.0	0.0	0.0	0.0	0.0	0.0					
G118.0	0.0	0.0	0.0	0.0	0.0					
G119.0	0.0	0.0	0.0	0.0	0.0					
G120.0	0.0	0.0	0.0	0.0	0.0					
G121.0	0.0	0.0	0.0	0.0	0.0					
G122.0	0.0	0.0	0.0	0.0	0.0					
G123.0	0.0	0.0	0.0	0.0	0.0					
G124.0	0.0	0.0	0.0	0.0	0.0					
G125.0	0.0	0.0	0.0	0.0	0.0					
G126.0	0.0	0.0	0.0	0.0	0.0					
G127.0	0.0	0.0	0.0	0.0	0.0					
G128.0	0.0	0.0	0.0	0.0	0.0					
G129.0	0.0	0.0	0.0	0.0	0.0					
G130.0	0.0	0.0	0.0	0.0	0.0					
G131.0	0.0	0.0	0.0	0.0	0.0					
G132.0	0.0	0.0	0.0	0.0	0.0					
G133.0	0.0	0.0	0.0	0.0	0.0					
G134.0	0.0	0.0	0.0	0.0	0.0					
G135.0	0.0	0.0	0.0	0.0	0.0					
G136.0	0.0	0.0	0.0	0.0	0.0					
G137.0	0.0	0.0	0.0	0.0	0.0					
G138.0	0.0	0.0	0.0	0.0	0.0					
G139.0	0.0	0.0	0.0	0.0	0.0					
G140.0	0.0	0.0	0.0	0.0	0.0					
G141.0	0.0	0.0	0.0	0.0	0.0					
G142.0	0.0	0.0	0.0	0.0	0.0					
G143.0	0.0	0.0	0.0	0.0	0.0					
G144.0	0.0	0.0	0.0	0.0	0.0					
G145.0	0.0	0.0	0.0	0.0	0.0					
G146.0	0.0	0.0	0.0	0.0	0.0					
G147.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.443 m  
Humidity:  
Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	0.0	0.0	0.0	0.0	0.0					
G149.0	0.0	0.0	0.0	0.0	0.0					
G150.0	0.0	0.0	0.0	0.0	0.0					
G151.0	0.0	0.0	0.0	0.0	0.0					
G152.0	0.0	0.0	0.0	0.0	0.0					
G153.0	0.0	0.0	0.0	0.0	0.0					
G154.0	0.0	0.0	0.0	0.0	0.0					
G155.0	0.0	0.0	0.0	0.0	0.0					
G156.0	0.0	0.0	0.0	0.0	0.0					
G157.0	0.0	0.0	0.0	0.0	0.0					
G158.0	0.0	0.0	0.0	0.0	0.0					
G159.0	0.0	0.0	0.0	0.0	0.0					
G160.0	0.0	0.0	0.0	0.0	0.0					
G161.0	0.0	0.0	0.0	0.0	0.0					
G162.0	0.0	0.0	0.0	0.0	0.0					
G163.0	0.0	0.0	0.0	0.0	0.0					
G164.0	0.0	0.0	0.0	0.0	0.0					
G165.0	0.0	0.0	0.0	0.0	0.0					
G166.0	0.0	0.0	0.0	0.0	0.0					
G167.0	0.0	0.0	0.0	0.0	0.0					
G168.0	0.0	0.0	0.0	0.0	0.0					
G169.0	0.0	0.0	0.0	0.0	0.0					
G170.0	0.0	0.0	0.0	0.0	0.0					
G171.0	0.0	0.0	0.0	0.0	0.0					
G172.0	0.0	0.0	0.0	0.0	0.0					
G173.0	0.0	0.0	0.0	0.0	0.0					
G174.0	0.0	0.0	0.0	0.0	0.0					
G175.0	0.0	0.0	0.0	0.0	0.0					
G176.0	0.0	0.0	0.0	0.0	0.0					
G177.0	0.0	0.0	0.0	0.0	0.0					
G178.0	0.0	0.0	0.0	0.0	0.0					
G179.0	0.0	0.0	0.0	0.0	0.0					
G180.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.443 m  
 Humidity:  
 Inspector: