

Report No.:

Test Time:

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps: 1

Luminous Length (mm): 1200

Luminous Height (mm): 45

Current: 0.222 A

Power Factor: 0.992

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 600

Voltage: 120.0 V

Power: 27.42 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 3847 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 166.6, 159.1, 165.8, 166.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.9, 108.8, 112.5, 112.3

Luminaire Efficacy Rating (LER): 140.35

Max. Intensity: 1310.1 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 3847.0 lm

Efficiency: 100%

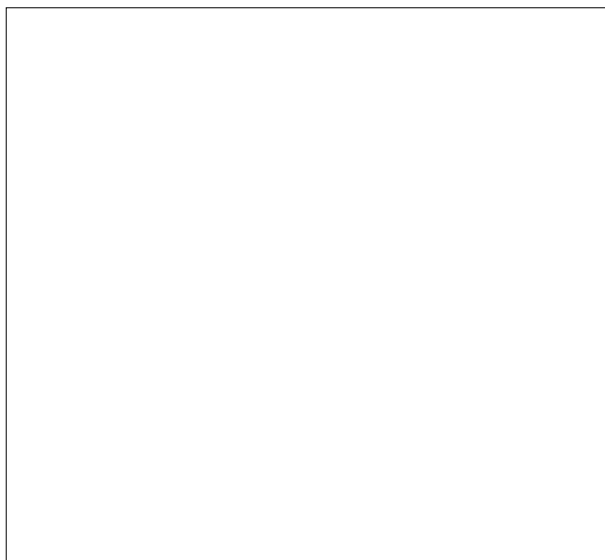
Upward Ratio: 1%

C0r0 Intensity: 1308.7 cd

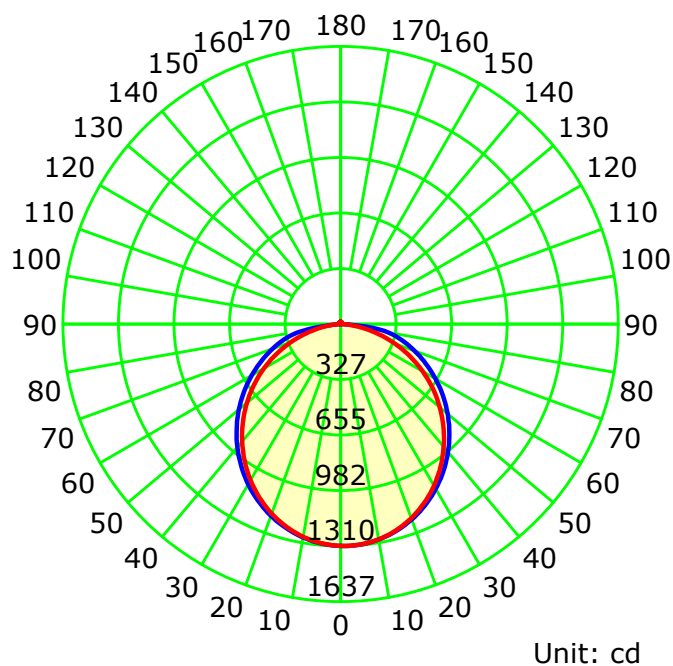
Pos of Max. Intensity: H60 V2

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

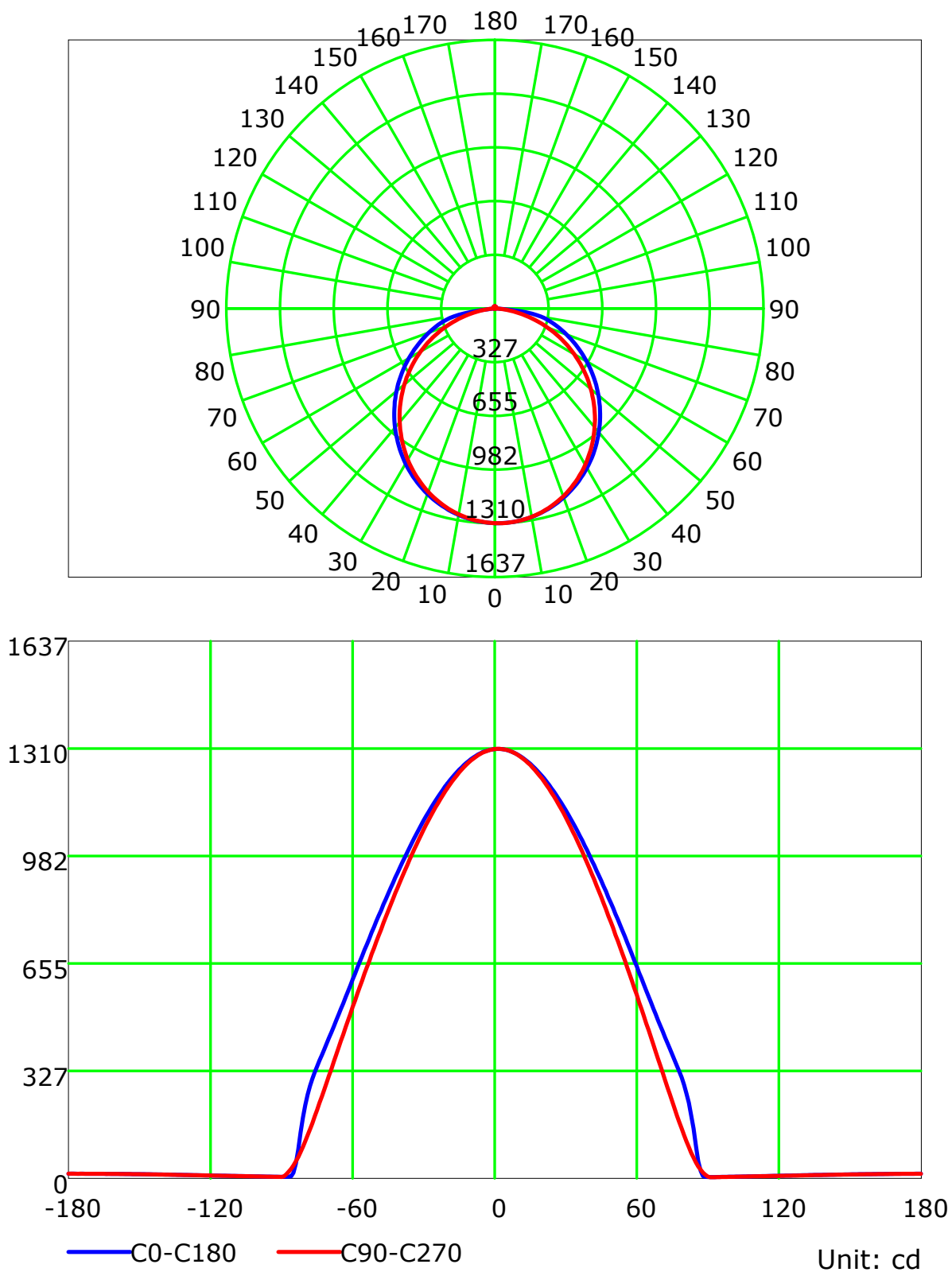
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

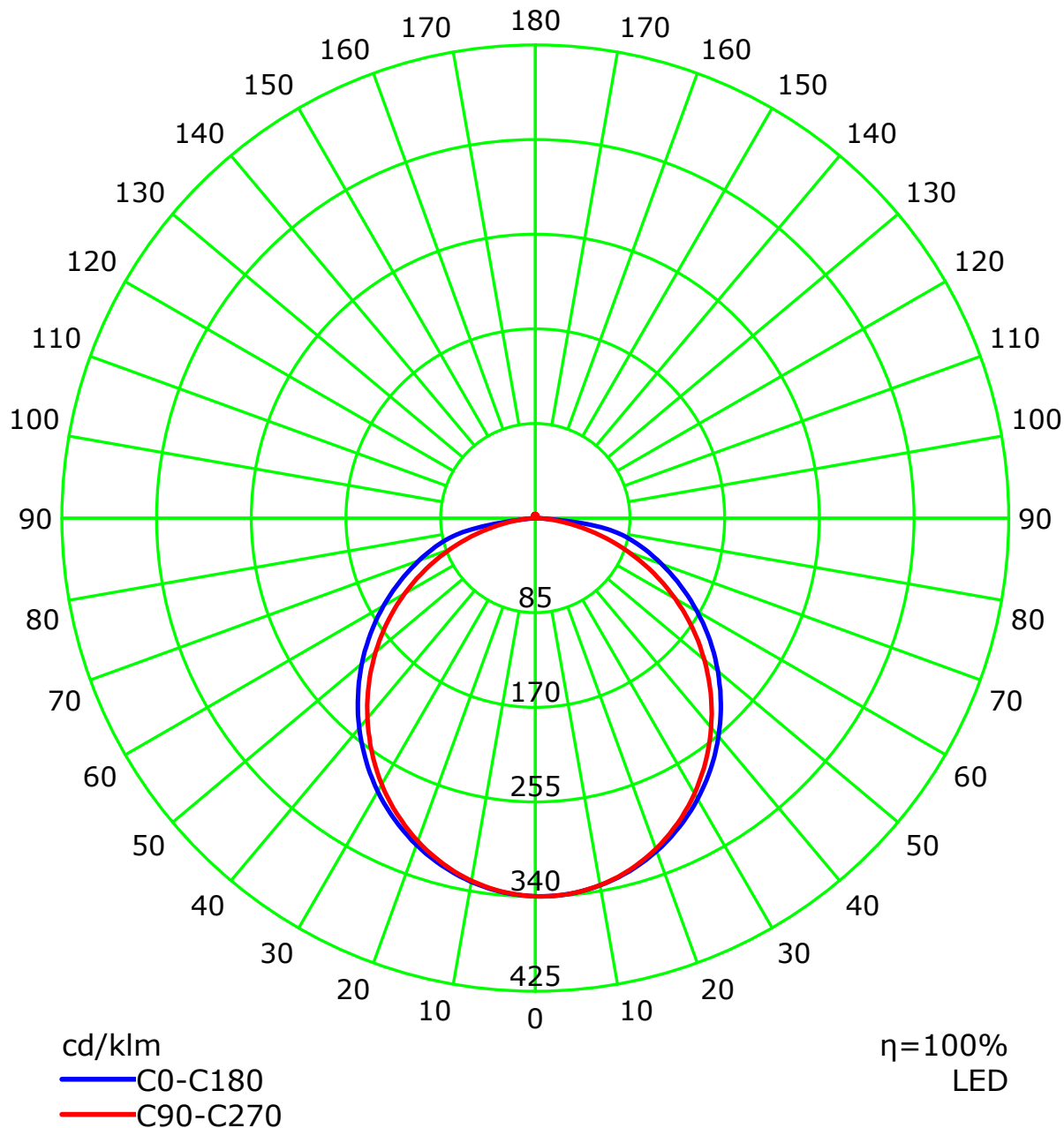
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



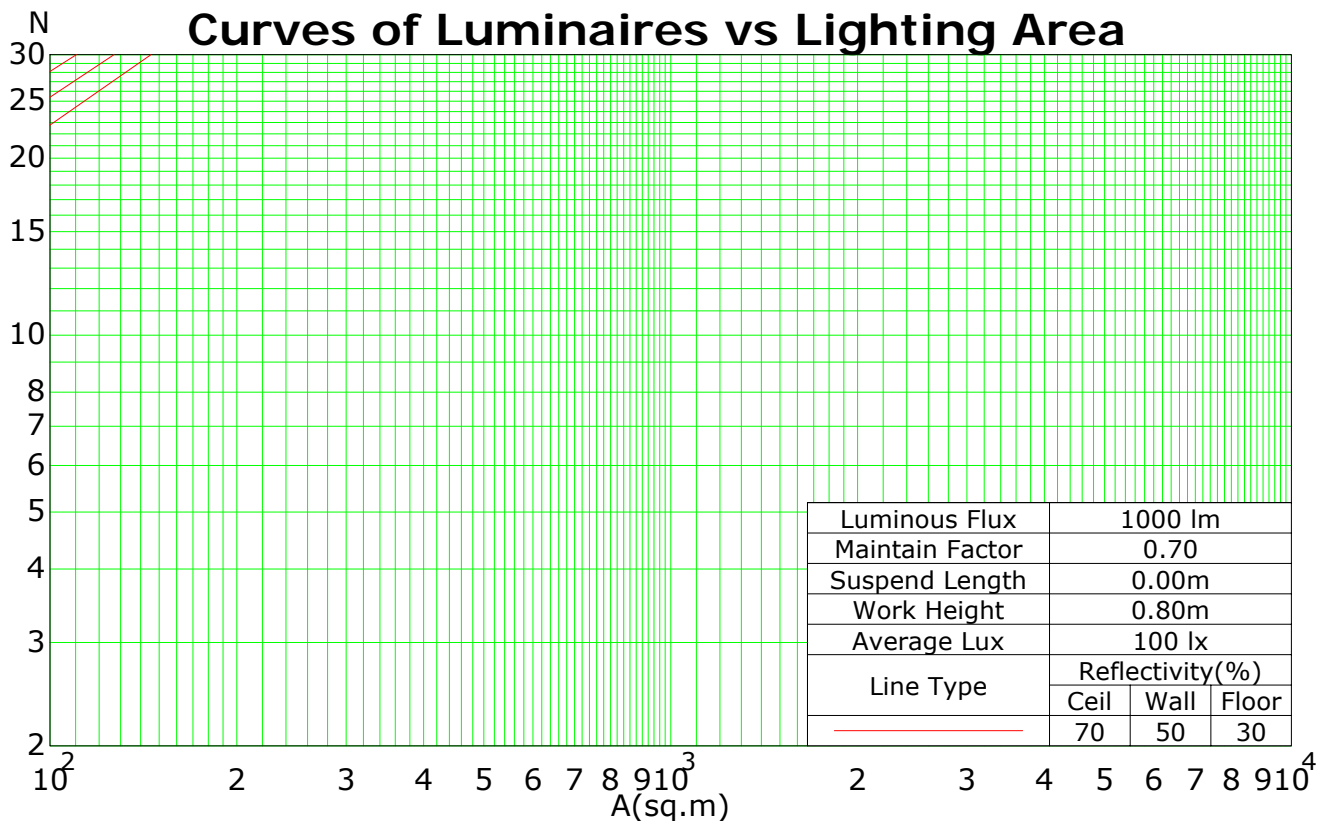
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.99
1	1.08	1.03	0.99	0.95	1.05	1.01	0.97	0.93	0.96	0.93	0.90	0.92	0.89	0.87	0.88	0.86	0.84	0.82
2	0.98	0.89	0.82	0.77	0.95	0.87	0.81	0.76	0.84	0.78	0.74	0.80	0.76	0.72	0.77	0.73	0.70	0.68
3	0.89	0.78	0.70	0.63	0.86	0.77	0.69	0.63	0.73	0.67	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.57
4	0.82	0.69	0.60	0.53	0.79	0.68	0.59	0.53	0.65	0.58	0.52	0.63	0.56	0.51	0.60	0.55	0.50	0.48
5	0.75	0.62	0.53	0.46	0.73	0.61	0.52	0.46	0.58	0.51	0.45	0.56	0.50	0.44	0.54	0.48	0.44	0.42
6	0.69	0.56	0.47	0.40	0.67	0.55	0.46	0.40	0.53	0.45	0.39	0.51	0.44	0.39	0.49	0.43	0.38	0.36
7	0.64	0.50	0.42	0.35	0.62	0.50	0.41	0.35	0.48	0.40	0.35	0.46	0.39	0.34	0.45	0.39	0.34	0.32
8	0.60	0.46	0.37	0.31	0.58	0.45	0.37	0.31	0.44	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.30	0.29
9	0.56	0.42	0.34	0.28	0.54	0.42	0.34	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.27	0.26
10	0.52	0.39	0.31	0.26	0.51	0.38	0.31	0.26	0.37	0.30	0.25	0.36	0.30	0.25	0.35	0.29	0.25	0.23

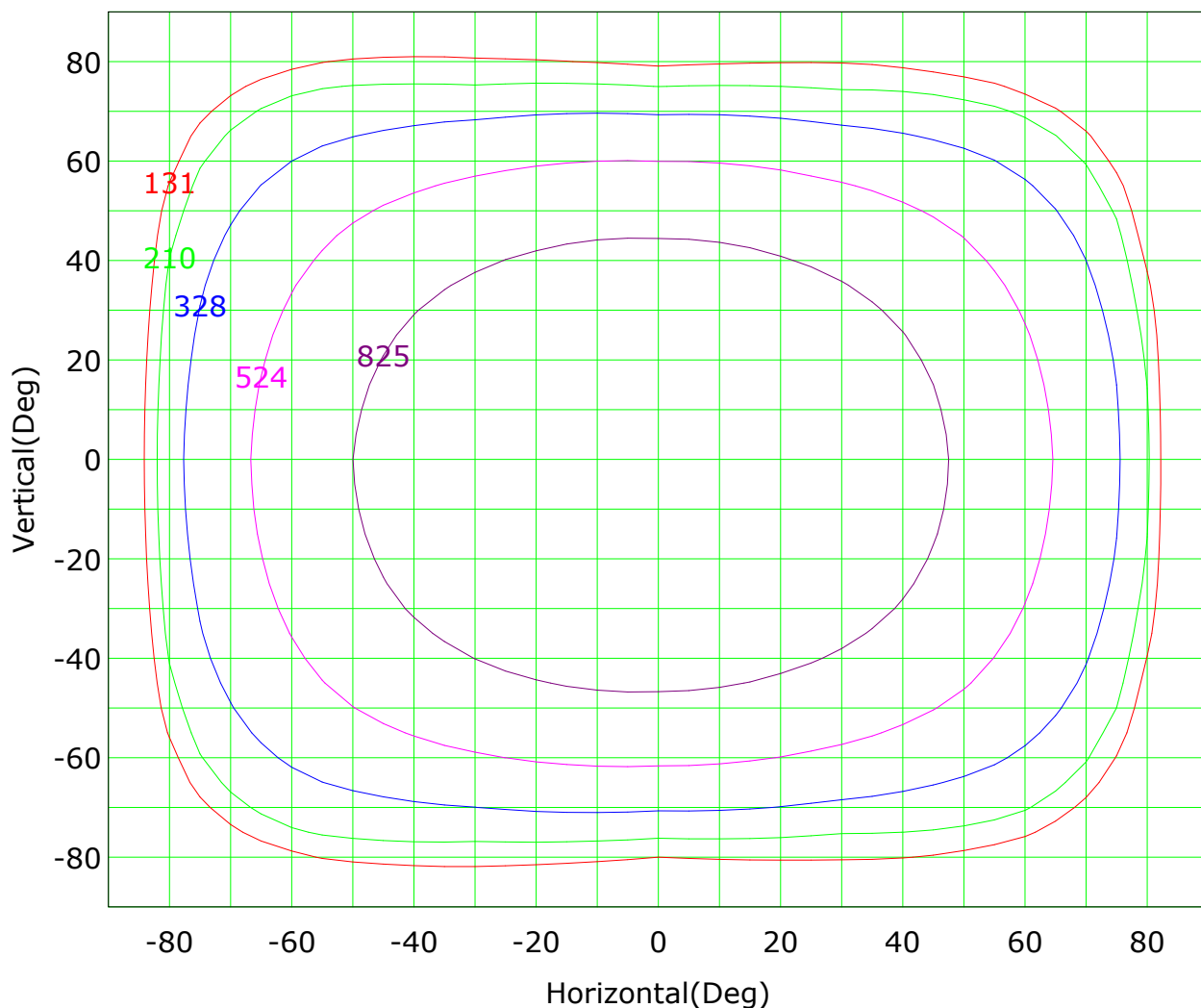
Spacing Criteria (0-180): 1.26  
Spacing Criteria (90-270): 1.23  
Spacing Criteria (Diagonal): 1.37



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 1310 cd

( 10%): 131 cd	( 16%): 210 cd
( 25%): 328 cd	( 40%): 524 cd
( 63%): 825 cd	(100%): 1310 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

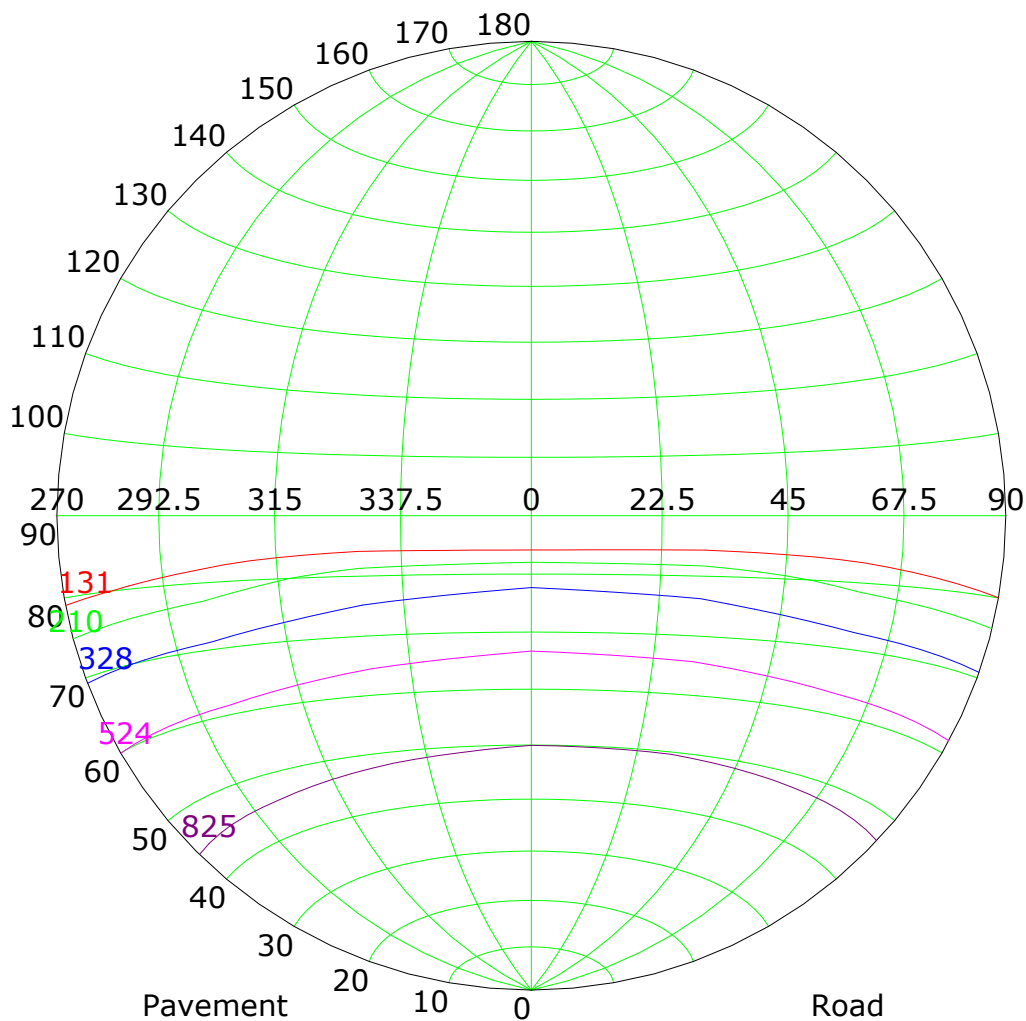
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 1310 cd

( 10%): 131 cd	( 16%): 210 cd
( 25%): 328 cd	( 40%): 524 cd
( 63%): 825 cd	(100%): 1310 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

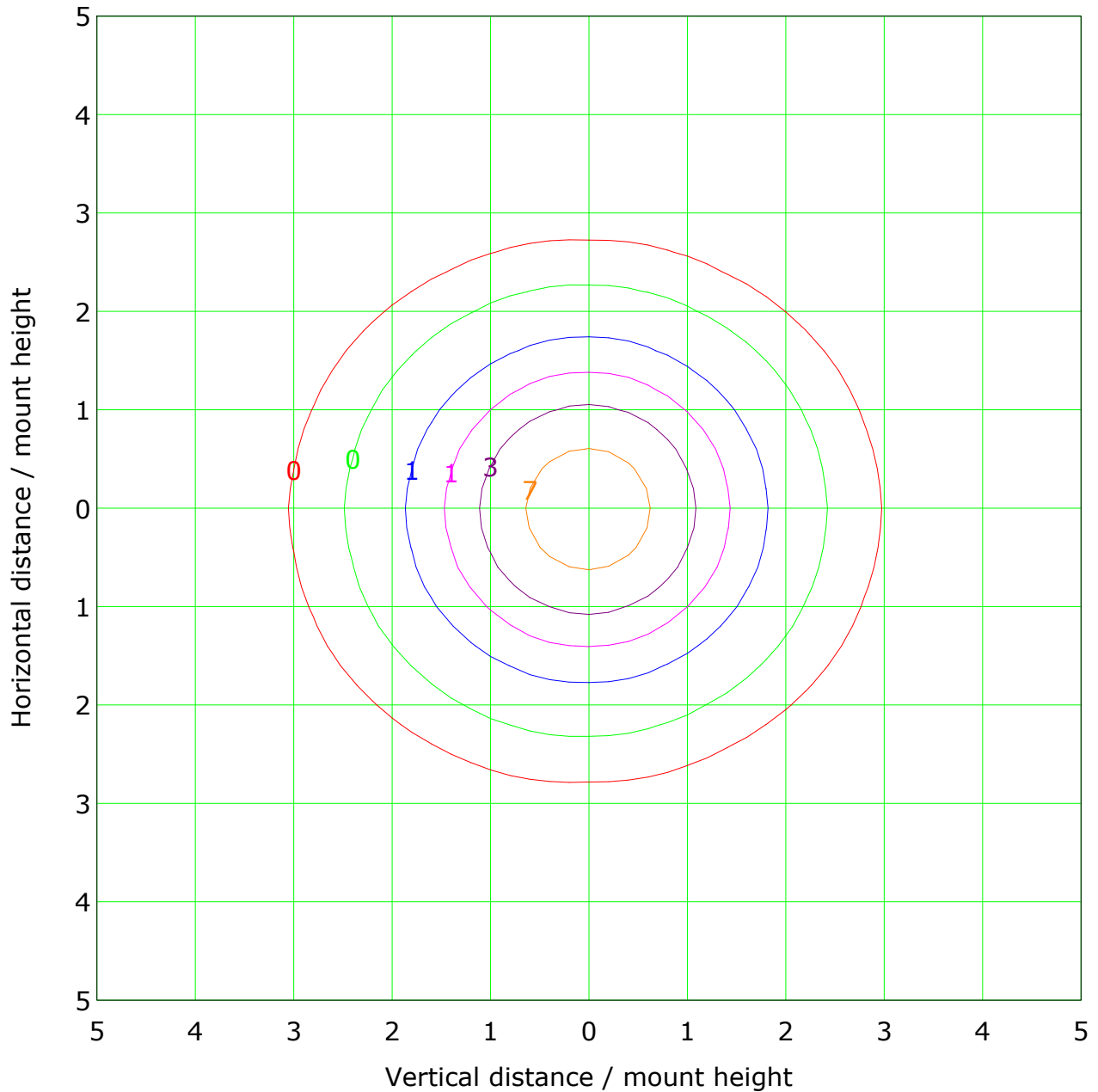
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 13.1 lx

( 1%): 0.1 lx	( 2%): 0.3 lx
( 5%): 0.7 lx	( 10%): 1.3 lx
( 20%): 2.6 lx	( 50%): 6.5 lx
(100%): 13.1 lx	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

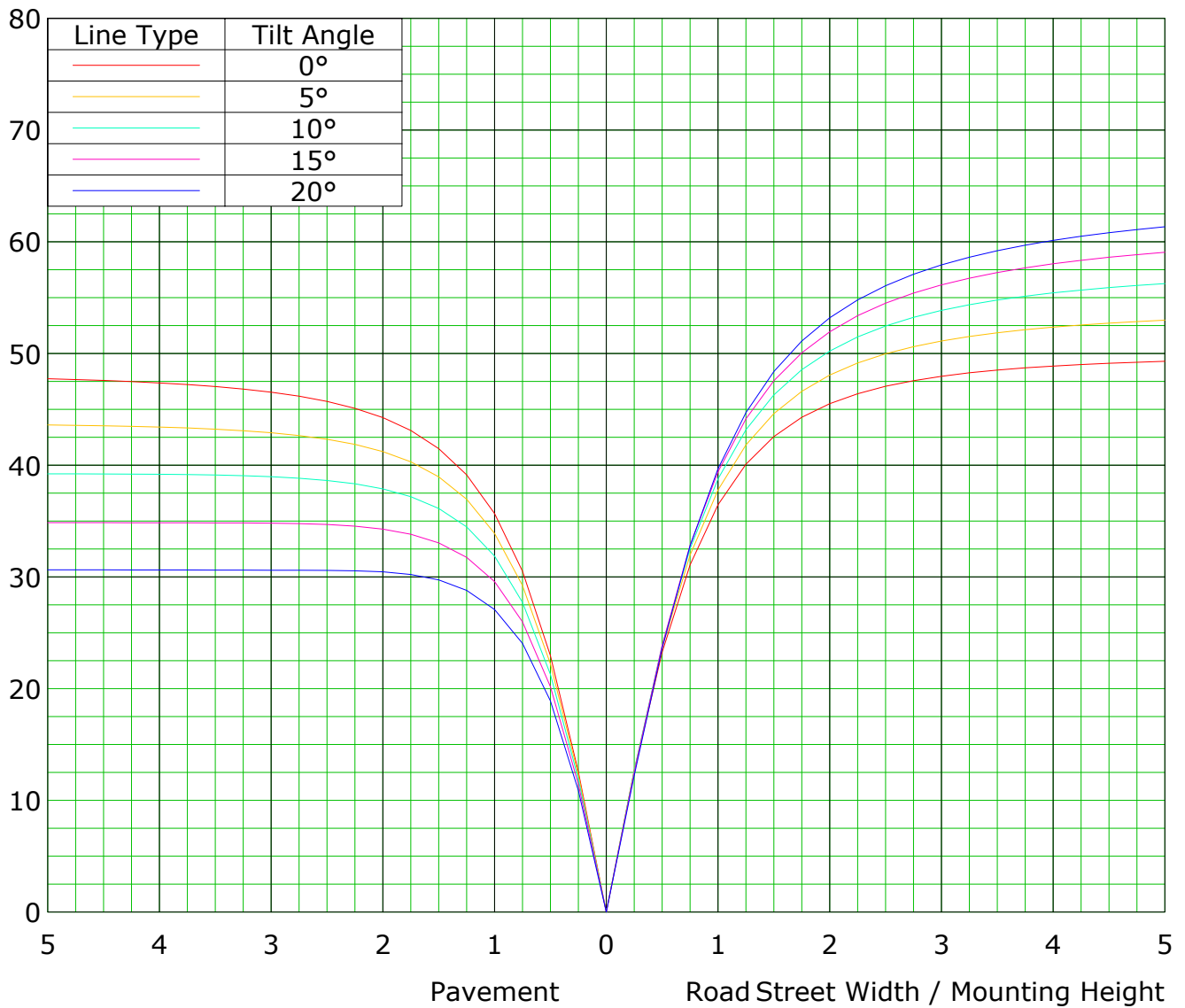
Distance: 9.011 m

Humidity:

Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

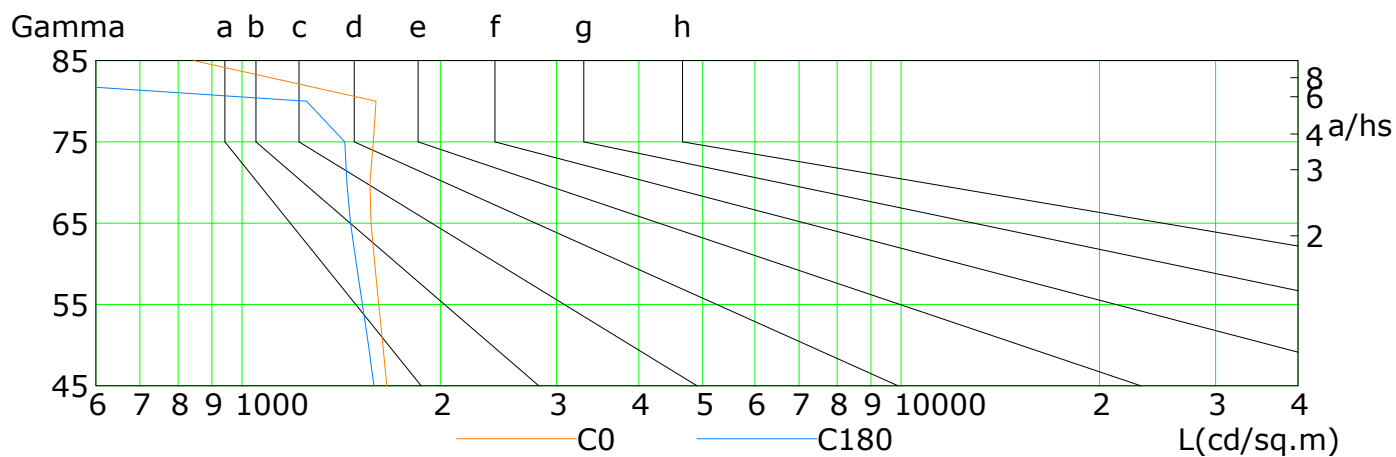
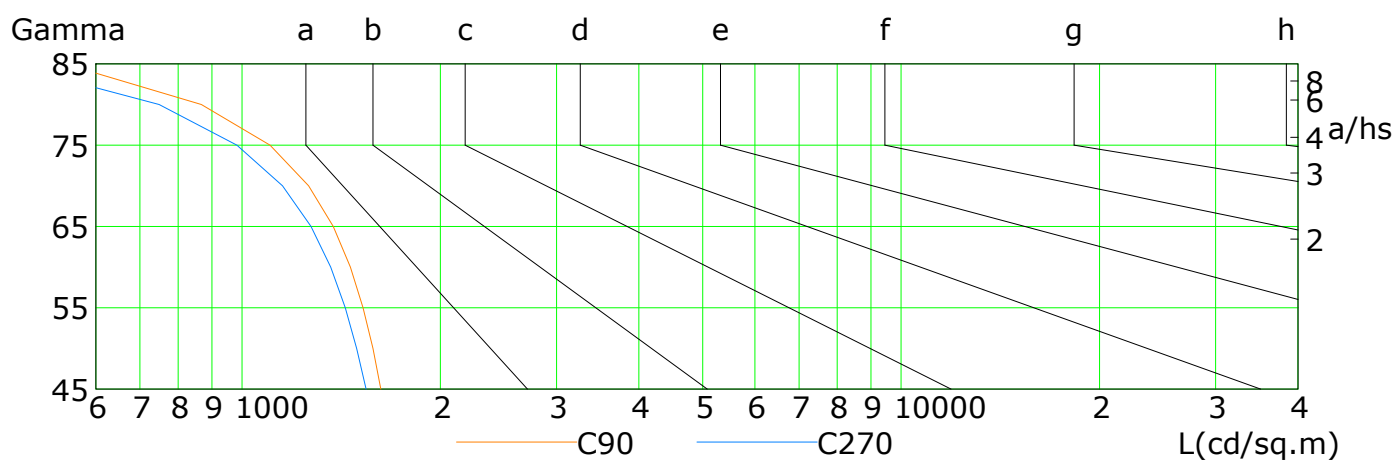
Inspector:



## 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	1658	1635	1612	1590	1570	1564	1582	1597	844
C90	1624	1580	1526	1460	1375	1262	1103	867	539
C180	1585	1555	1523	1491	1461	1442	1432	1253	148
C270	1542	1493	1434	1363	1273	1152	982	748	439

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

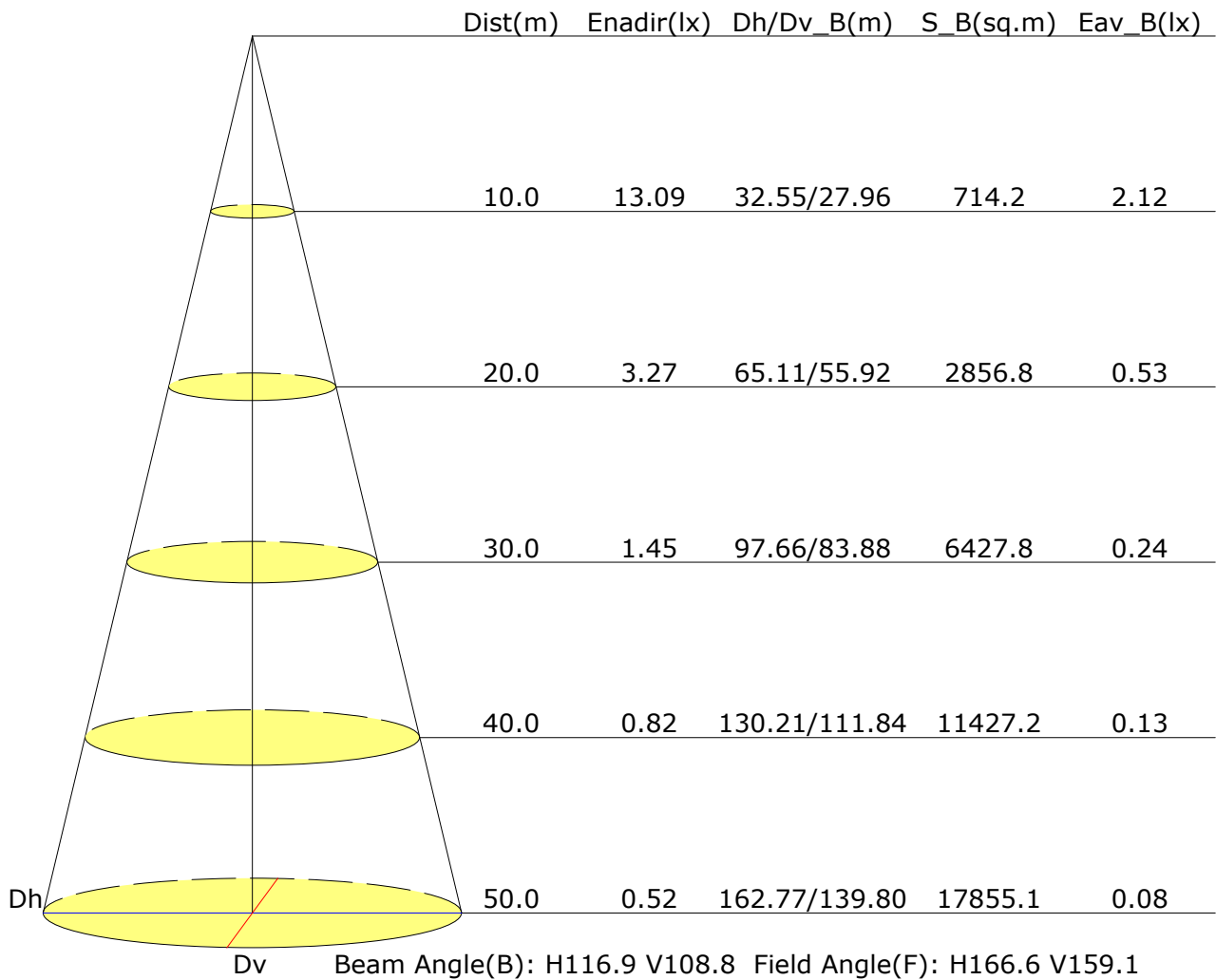
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

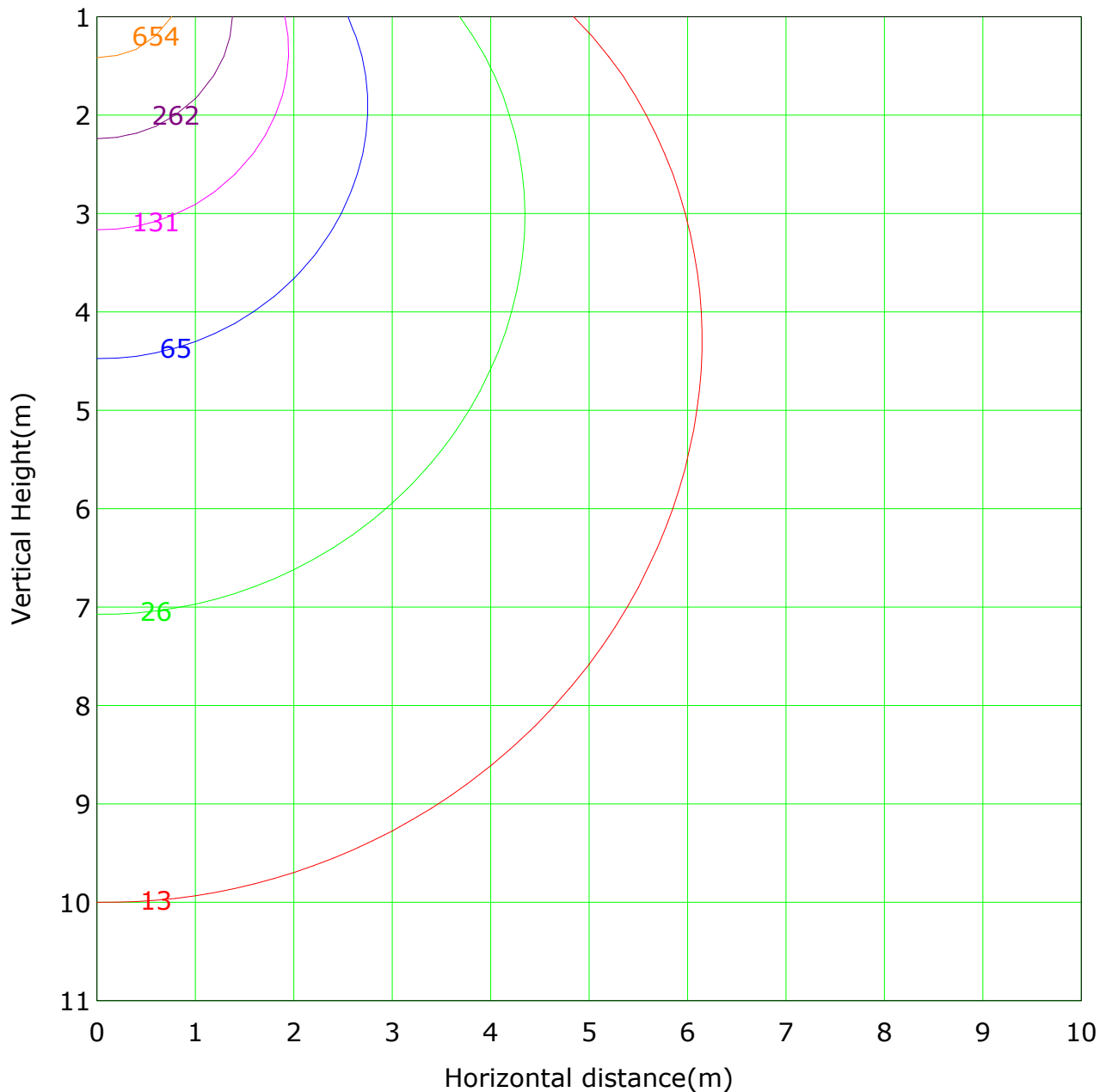
## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1308.7 lx

— ( 1%): 13.1 lx	— ( 2%): 26.2 lx
— ( 5%): 65.4 lx	— (10%): 130.9 lx
— (20%): 261.7 lx	— (50%): 654.3 lx
— (100%):1308.7 lx	

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

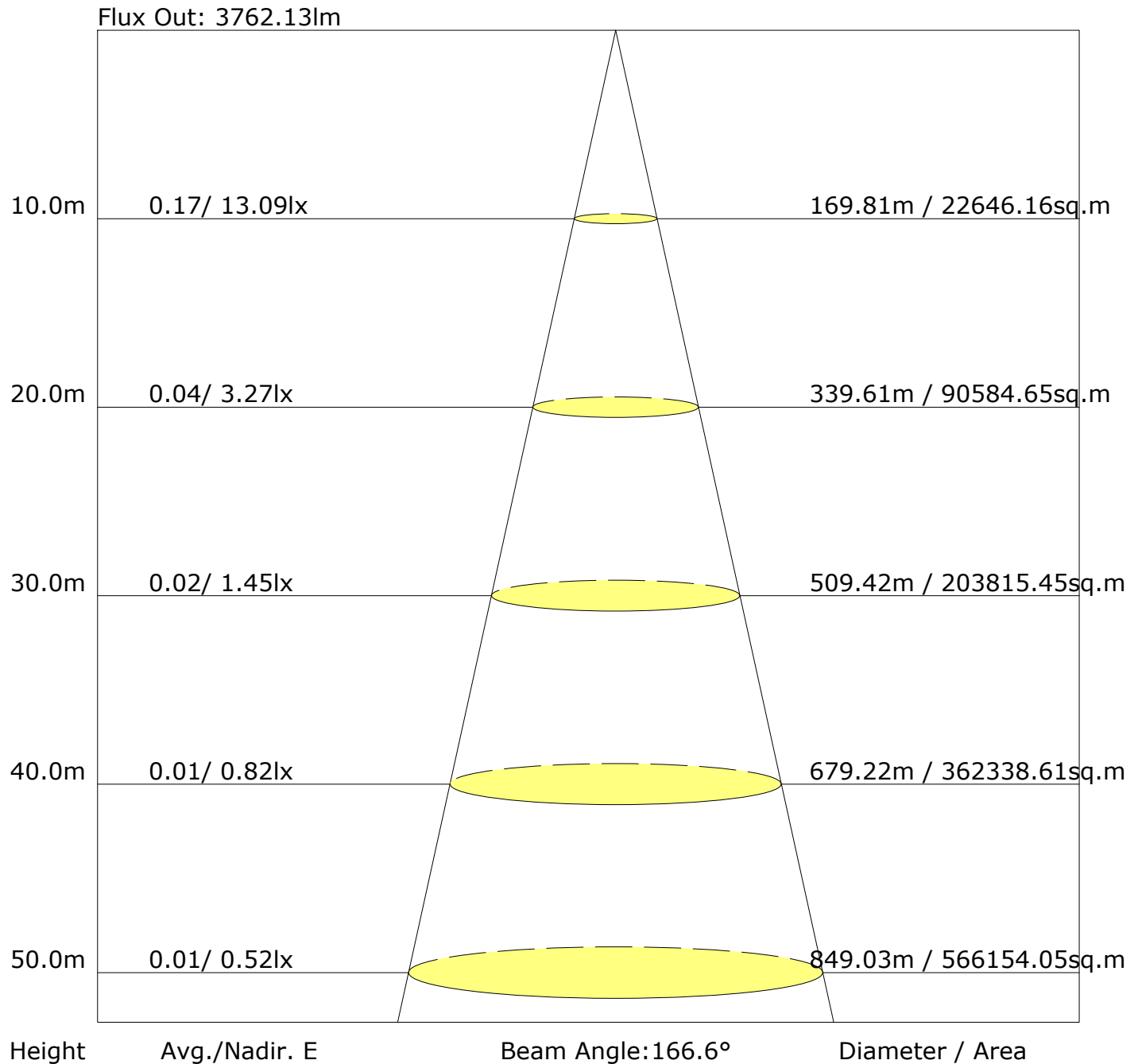
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

## Area Flux Table

Unit: lm

Vertical plane																
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70
0.0	0.0	0.1	0.2	0.5	1.0	1.3	1.4	1.4	1.6	1.8	1.8	1.7	1.3	0.8	0.3	0.1
0.0	0.1	0.8	2.4	3.9	4.9	5.7	6.3	6.5	6.6	6.5	6.0	5.4	4.6	3.5	1.9	0.5
0.0	0.6	2.7	4.9	6.9	8.8	10.5	11.9	12.7	12.8	12.2	11.0	9.3	7.4	5.4	3.3	1.3
0.0	1.3	3.8	6.6	9.6	12.7	15.4	17.6	18.8	18.9	18.0	15.9	13.3	10.2	7.1	4.2	1.8
0.1	1.8	4.7	8.2	12.2	16.4	20.1	23.0	24.6	24.7	23.3	20.6	17.0	12.9	8.7	5.1	2.2
0.1	2.2	5.4	9.6	14.5	19.6	24.2	27.7	29.7	29.8	28.1	24.8	20.3	15.2	10.2	5.8	2.5
0.2	2.4	6.0	10.7	16.4	22.3	27.6	31.7	34.0	34.2	32.1	28.2	23.0	17.1	11.4	6.4	2.8
0.2	2.6	6.4	11.6	17.8	24.2	30.1	34.6	37.2	37.3	35.1	30.7	25.0	18.5	12.3	6.9	2.9
0.3	2.7	6.6	12.1	18.5	25.3	31.4	36.2	38.9	39.1	36.7	32.2	26.1	19.3	12.8	7.1	3.0
0.3	2.7	6.7	12.1	18.6	25.4	31.6	36.5	39.2	39.4	36.9	32.3	26.2	19.4	12.8	7.2	3.0
0.2	2.6	6.4	11.7	18.0	24.6	30.6	35.2	37.8	38.0	35.7	31.3	25.4	18.8	12.4	6.9	2.9
0.2	2.5	6.0	10.9	16.8	22.8	28.4	32.6	35.0	35.1	33.1	29.0	23.7	17.6	11.6	6.5	2.8
0.2	2.2	5.5	9.8	15.0	20.3	25.1	28.8	30.9	31.0	29.3	25.8	21.1	15.8	10.5	5.9	2.6
0.1	1.9	4.8	8.4	12.7	17.1	21.0	24.1	25.8	25.9	24.5	21.7	17.8	13.5	9.1	5.2	2.3
0.0	1.4	3.9	6.8	10.0	13.3	16.3	18.7	20.0	20.1	19.1	17.0	14.1	10.8	7.4	4.4	1.9
0.0	0.7	2.9	5.1	7.2	9.3	11.2	12.8	13.6	13.8	13.2	11.9	10.0	7.9	5.7	3.5	1.3
0.0	0.2	1.3	3.0	4.3	5.3	6.2	6.9	7.2	7.3	7.3	6.7	6.0	5.0	3.7	2.0	0.5
0.0	0.0	0.1	0.4	0.9	1.5	1.8	1.9	1.8	1.9	2.1	2.1	1.9	1.4	0.8	0.3	0.1
Flux(TT)	2.0	27.9	74.0	134.6	203.9	227.4	633.8	438.7	941.5	041.7	539.5	134.9	128.7	121.6	714.6	83.1
Flux(E)	0.9	26.3	72.5	132.9	201.9	227.2	133.5	63.8	4.9	1.3	4.1	0.3	9.1	7.3	4.6	1.1
Horizontal plane																
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70
0.0	0.0	0.1	0.2	0.5	1.0	1.3	1.4	1.4	1.6	1.8	1.8	1.7	1.3	0.8	0.3	0.1
0.0	0.1	0.8	2.4	3.9	4.9	5.7	6.3	6.5	6.6	6.5	6.0	5.4	4.6	3.5	1.9	0.5
0.0	0.6	2.7	4.9	6.9	8.8	10.5	11.9	12.7	12.8	12.2	11.0	9.3	7.4	5.4	3.3	1.3
0.0	1.3	3.8	6.6	9.6	12.7	15.4	17.6	18.8	18.9	18.0	15.9	13.3	10.2	7.1	4.2	1.8
0.1	1.8	4.7	8.2	12.2	16.4	20.1	23.0	24.6	24.7	23.3	20.6	17.0	12.9	8.7	5.1	2.2
0.1	2.2	5.4	9.6	14.5	19.6	24.2	27.7	29.7	29.8	28.1	24.8	20.3	15.2	10.2	5.8	2.5
0.2	2.4	6.0	10.7	16.4	22.3	27.6	31.7	34.0	34.2	32.1	28.2	23.0	17.1	11.4	6.4	2.8
0.2	2.6	6.4	11.6	17.8	24.2	30.1	34.6	37.2	37.3	35.1	30.7	25.0	18.5	12.3	6.9	2.9
0.3	2.7	6.6	12.1	18.5	25.3	31.4	36.2	38.9	39.1	36.7	32.2	26.1	19.3	12.8	7.1	3.0
0.3	2.7	6.7	12.1	18.6	25.4	31.6	36.5	39.2	39.4	36.9	32.3	26.2	19.4	12.8	7.2	3.0
0.2	2.6	6.4	11.7	18.0	24.6	30.6	35.2	37.8	38.0	35.7	31.3	25.4	18.8	12.4	6.9	2.9
0.2	2.5	6.0	10.9	16.8	22.8	28.4	32.6	35.0	35.1	33.1	29.0	23.7	17.6	11.6	6.5	2.8
0.2	2.2	5.5	9.8	15.0	20.3	25.1	28.8	30.9	31.0	29.3	25.8	21.1	15.8	10.5	5.9	2.6
0.1	1.9	4.8	8.4	12.7	17.1	21.0	24.1	25.8	25.9	24.5	21.7	17.8	13.5	9.1	5.2	2.3
0.0	1.4	3.9	6.8	10.0	13.3	16.3	18.7	20.0	20.1	19.1	17.0	14.1	10.8	7.4	4.4	1.9
0.0	0.7	2.9	5.1	7.2	9.3	11.2	12.8	13.6	13.8	13.2	11.9	10.0	7.9	5.7	3.5	1.3
0.0	0.2	1.3	3.0	4.3	5.3	6.2	6.9	7.2	7.3	7.3	6.7	6.0	5.0	3.7	2.0	0.5
0.0	0.0	0.1	0.4	0.9	1.5	1.8	1.9	1.8	1.9	2.1	2.1	1.9	1.4	0.8	0.3	0.1
Flux(TT)	2.0	27.9	74.0	134.6	203.9	227.4	633.8	438.7	941.5	041.7	539.5	134.9	128.7	121.6	714.6	83.1
Flux(E)	0.9	26.3	72.5	132.9	201.9	227.2	133.5	63.8	4.9	1.3	4.1	0.3	9.1	7.3	4.6	1.1
Horizontal plane																
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70
0.0	0.0	0.1	0.2	0.5	1.0	1.3	1.4	1.4	1.6	1.8	1.8	1.7	1.3	0.8	0.3	0.1
0.0	0.1	0.8	2.4	3.9	4.9	5.7	6.3	6.5	6.6	6.5	6.0	5.4	4.6	3.5	1.9	0.5
0.0	0.6	2.7	4.9	6.9	8.8	10.5	11.9	12.7	12.8	12.2	11.0	9.3	7.4	5.4	3.3	1.3
0.0	1.3	3.8	6.6	9.6	12.7	15.4	17.6	18.8	18.9	18.0	15.9	13.3	10.2	7.1	4.2	1.8
0.1	1.8	4.7	8.2	12.2	16.4	20.1	23.0	24.6	24.7	23.3	20.6	17.0	12.9	8.7	5.1	2.2
0.1	2.2	5.4	9.6	14.5	19.6	24.2	27.7	29.7	29.8	28.1	24.8	20.3	15.2	10.2	5.8	2.5
0.2	2.4	6.0	10.7	16.4	22.3	27.6	31.7	34.0	34.2	32.1	28.2	23.0	17.1	11.4	6.4	2.8
0.2	2.6	6.4	11.6	17.8	24.2	30.1	34.6	37.2	37.3	35.1	30.7	25.0	18.5	12.3	6.9	2.9
0.3	2.7	6.6	12.1	18.5	25.3	31.4	36.2	38.9	39.1	36.7	32.2	26.1	19.3	12.8	7.1	3.0
0.3	2.7	6.7	12.1	18.6	25.4	31.6	36.5	39.2	39.4	36.9	32.3	26.2	19.4	12.8	7.2	3.0
0.2	2.6	6.4	11.7	18.0	24.6	30.6	35.2	37.8	38.0	35.7	31.3	25.4	18.8	12.4	6.9	2.9
0.2	2.5	6.0	10.9	16.8	22.8	28.4	32.6	35.0	35.1	33.1	29.0	23.7	17.6	11.6	6.5	2.8
0.2	2.2	5.5	9.8	15.0	20.3	25.1	28.8	30.9	31.0	29.3	25.8	21.1	15.8	10.5	5.9	2.6
0.1	1.9	4.8	8.4	12.7	17.1	21.0	24.1	25.8	25.9	24.5	21.7	17.8	13.5	9.1	5.2	2.3
0.0	1.4	3.9	6.8	10.0	13.3	16.3	18.7	20.0	20.1	19.1	17.0	14.1	10.8	7.4	4.4	1.9
0.0	0.7	2.9	5.1	7.2	9.3	11.2	12.8	13.6	13.8	13.2	11.9	10.0	7.9	5.7	3.5	1.3
0.0	0.2	1.3	3.0	4.3	5.3	6.2	6.9	7.2	7.3	7.3	6.7	6.0	5.0	3.7	2.0	0.5
0.0	0.0	0.1	0.4	0.9	1.5	1.8	1.9	1.8	1.9	2.1	2.1	1.9	1.4	0.8	0.3	0.1
Flux(TT)	2.0	27.9	74.0	134.6	203.9	227.4	633.8	438.7	941.5	041.7	539.5	134.9	128.7	121.6	714.6	83.1
Flux(E)	0.9	26.3	72.5	132.9	201.9	227.2	133.5	63.8	4.9	1.3	4.1	0.3	9.1	7.3	4.6	1.1
Horizontal plane																
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70
0.0	0.0	0.1	0.2	0.5	1.0	1.3	1.4	1.4	1.6	1.8	1.8	1.7	1.3	0.8	0.3	0.1
0.0	0.1	0.8	2.4	3.9	4.9	5.7	6.3	6.5	6.6	6.5	6.0	5.4	4.6	3.5	1.9	0.5
0.0	0.6	2.7	4.9	6.9	8.8	10.5	11.9	12.7	12.8	12.2	11.0	9.3	7.4	5.4	3.3	1.3
0.0	1.3	3.8	6.6	9.6	12.7	15.4	17.6	18.8	18.9	18.0	15.9	13.3	10.2	7.1	4.2	1.8
0.1	1.8	4.7	8.2	12.2	16.4	20.1	23.0	24.6	24.7	23.3	20.6	17.0	12.9	8.7	5.1	2.2
0.1	2.2	5.4	9.6	14.5	19.6	24.2	27.7	29.7	29.8	28.1	24.8	20.3	15.2	10.2	5.8	2.5
0.2	2.4	6.0	10.7	16.4												

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

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	14.3	15.7	14.6	16.0	16.2	13.8	15.1	14.1	15.4	15.7
3H	16.2	17.4	16.5	17.7	18.0	15.2	16.5	15.6	16.8	17.1
4H	17.0	18.2	17.4	18.6	18.9	15.8	17.0	16.1	17.3	17.6
6H	17.8	19.0	18.2	19.3	19.7	16.1	17.2	16.5	17.6	17.9
8H	18.2	19.2	18.5	19.6	19.9	16.2	17.3	16.6	17.6	18.0
12H	18.3	19.3	18.7	19.7	20.1	16.2	17.3	16.6	17.6	18.0
X=4H Y=2H	14.9	16.1	15.3	16.5	16.8	14.5	15.7	14.9	16.0	16.3
3H	17.0	18.0	17.4	18.4	18.8	16.1	17.2	16.6	17.5	17.9
4H	18.0	18.9	18.4	19.3	19.7	16.8	17.7	17.3	18.1	18.5
6H	19.0	19.8	19.4	20.2	20.7	17.3	18.1	17.7	18.5	19.0
8H	19.4	20.1	19.8	20.6	21.0	17.4	18.2	17.9	18.6	19.1
12H	19.6	20.2	20.0	20.7	21.2	17.5	18.2	18.0	18.6	19.1
X=8H Y=4H	18.3	19.1	18.8	19.5	19.9	17.2	18.0	17.7	18.4	18.9
6H	19.5	20.1	20.0	20.5	21.0	17.9	18.5	18.4	19.0	19.5
8H	20.0	20.5	20.5	21.0	21.5	18.1	18.6	18.6	19.1	19.6
12H	20.2	20.7	20.7	21.2	21.7	18.2	18.7	18.8	19.2	19.7
X=12H Y=4H	18.3	19.0	18.8	19.4	19.9	17.3	18.0	17.8	18.5	18.9
6H	19.5	20.1	20.0	20.5	21.1	18.0	18.6	18.5	19.0	19.6
8H	20.1	20.5	20.6	21.0	21.6	18.3	18.8	18.8	19.3	19.8
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.4					+0.4/-0.5				
S=2.0H	+0.5/-0.7					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 3847lm ( $8\log(F/F_0) = 4.7$ ).

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

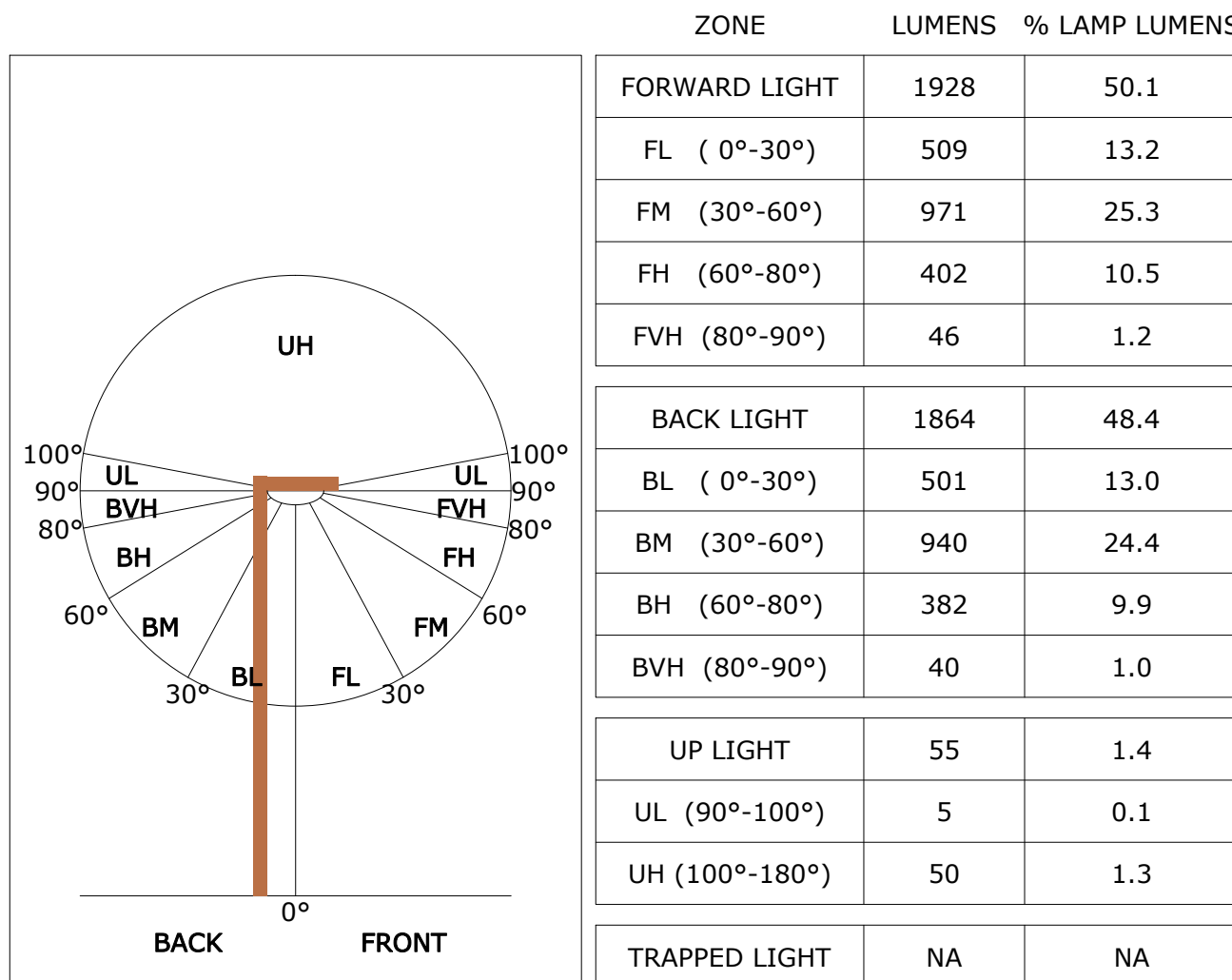
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

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



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

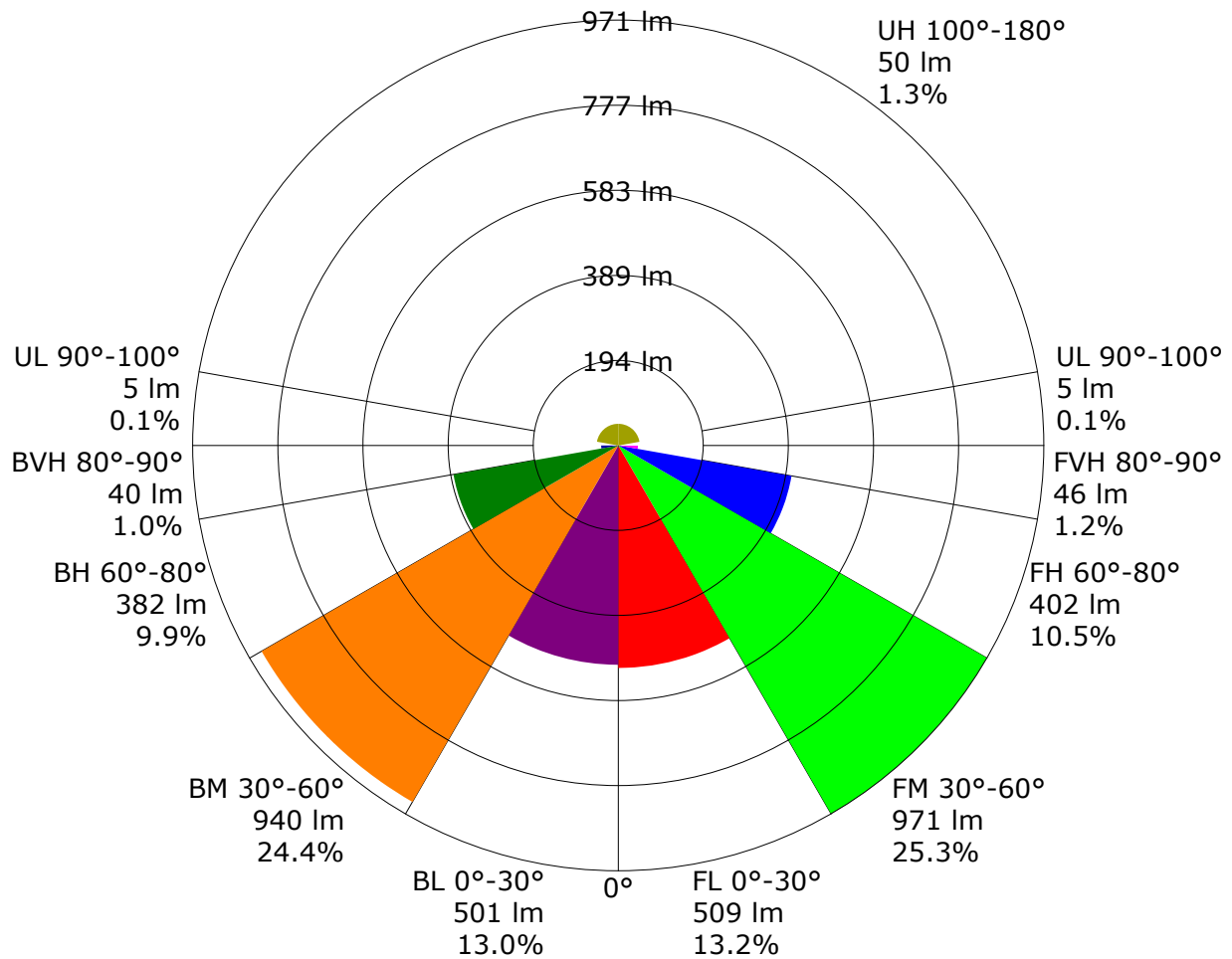
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## LCS Graph



**Back Light**

Scale= 971 lm

Trapped Light:NA,NA

**Forward Light**

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.55	0.66	0.73	0.78	0.86	0.91	0.94	0.99	1.02	
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.95	0.99	
	0.20		0.42	0.52	0.59	0.65	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.54	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.98	
	0.30		0.46	0.56	0.64	0.69	0.77	0.82	0.86	0.91	0.95	
	0.20		0.41	0.51	0.59	0.64	0.72	0.78	0.82	0.88	0.92	
0.30	0.50	0.20	0.52	0.61	0.68	0.73	0.79	0.84	0.87	0.91	0.94	
	0.30		0.46	0.55	0.62	0.67	0.75	0.80	0.83	0.88	0.91	
	0.20		0.41	0.50	0.58	0.63	0.71	0.76	0.80	0.85	0.89	
0.00	0.00	0.00	0.38	0.48	0.55	0.60	0.67	0.72	0.76	0.81	0.84	
<p>Rating:27W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>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: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.01	0.84	0.71	0.62	0.50	0.42	0.36	0.28	0.23	
	0.30		0.84	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.62	0.55	0.50	0.41	0.35	0.31	0.24	0.20	
0.50	0.50	0.20	0.97	0.80	0.68	0.60	0.48	0.43	0.34	0.26	0.21	
	0.30		0.82	0.70	0.60	0.53	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.94	0.77	0.66	0.57	0.46	0.38	0.32	0.25	0.20	
	0.30		0.80	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.60	0.51	0.44	0.39	0.32	0.26	0.23	0.18	0.15	
<p>Rating:27W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>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: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.21	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.21	0.22	0.22	
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
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:27W 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: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

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	1308.6	1.3	1.3	0.03	0.03
1.0-2.0	1308.1	3.8	5.0	0.10	0.13
2.0-3.0	1307.1	6.3	11.3	0.16	0.29
3.0-4.0	1305.5	8.7	20.0	0.23	0.52
4.0-5.0	1303.5	11.2	31.2	0.29	0.81
5.0-6.0	1301.0	13.7	44.9	0.36	1.17
6.0-7.0	1297.9	16.1	61.0	0.42	1.59
7.0-8.0	1294.3	18.5	79.5	0.48	2.07
8.0-9.0	1290.2	20.9	100.4	0.54	2.61
9.0-10.0	1285.8	23.3	123.7	0.60	3.22
10.0-11.0	1280.7	25.6	149.3	0.67	3.88
11.0-12.0	1275.1	27.9	177.2	0.72	4.61
12.0-13.0	1269.3	30.1	207.3	0.78	5.39
13.0-14.0	1262.8	32.3	239.6	0.84	6.23
14.0-15.0	1255.8	34.5	274.1	0.90	7.13
15.0-16.0	1248.4	36.6	310.7	0.95	8.08
16.0-17.0	1240.5	38.6	349.3	1.00	9.08
17.0-18.0	1232.5	40.6	390.0	1.06	10.14
18.0-19.0	1223.7	42.6	432.6	1.11	11.24
19.0-20.0	1214.5	44.5	477.0	1.16	12.40
20.0-21.0	1205.3	46.3	523.3	1.20	13.60
21.0-22.0	1195.2	48.0	571.3	1.25	14.85
22.0-23.0	1184.6	49.7	621.1	1.29	16.14
23.0-24.0	1173.8	51.3	672.4	1.33	17.48
24.0-25.0	1162.6	52.9	725.2	1.37	18.85
25.0-26.0	1151.4	54.4	779.6	1.41	20.27
26.0-27.0	1139.3	55.7	835.4	1.45	21.71
27.0-28.0	1126.9	57.1	892.4	1.48	23.20
28.0-29.0	1114.7	58.3	950.7	1.52	24.71
29.0-30.0	1101.6	59.5	1010.2	1.55	26.26
30.0-31.0	1088.1	60.6	1070.8	1.57	27.83
31.0-32.0	1074.2	61.6	1132.3	1.60	29.43
32.0-33.0	1060.0	62.5	1194.8	1.62	31.06
33.0-34.0	1046.0	63.3	1258.1	1.65	32.70
34.0-35.0	1031.2	64.1	1322.2	1.66	34.37
35.0-36.0	1016.2	64.7	1386.9	1.68	36.05

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	1001.0	65.3	1452.2	1.70	37.75
37.0-38.0	985.5	65.8	1518.0	1.71	39.46
38.0-39.0	969.9	66.2	1584.2	1.72	41.18
39.0-40.0	953.6	66.5	1650.7	1.73	42.91
40.0-41.0	937.1	66.7	1717.4	1.73	44.64
41.0-42.0	921.1	66.9	1784.4	1.74	46.38
42.0-43.0	904.5	67.0	1851.4	1.74	48.12
43.0-44.0	887.3	67.0	1918.3	1.74	49.87
44.0-45.0	870.2	66.9	1985.2	1.74	51.60
45.0-46.0	852.7	66.7	2051.9	1.73	53.34
46.0-47.0	835.4	66.5	2118.4	1.73	55.07
47.0-48.0	817.4	66.1	2184.5	1.72	56.78
48.0-49.0	799.3	65.6	2250.1	1.71	58.49
49.0-50.0	781.7	65.2	2315.3	1.69	60.18
50.0-51.0	763.1	64.6	2379.9	1.68	61.86
51.0-52.0	744.6	63.9	2443.8	1.66	63.52
52.0-53.0	726.2	63.2	2506.9	1.64	65.17
53.0-54.0	707.1	62.3	2569.3	1.62	66.79
54.0-55.0	688.4	61.5	2630.7	1.60	68.38
55.0-56.0	669.3	60.5	2691.2	1.57	69.96
56.0-57.0	649.9	59.4	2750.7	1.54	71.50
57.0-58.0	631.1	58.4	2809.0	1.52	73.02
58.0-59.0	611.3	57.2	2866.2	1.49	74.50
59.0-60.0	591.6	55.9	2922.1	1.45	75.96
60.0-61.0	572.0	54.6	2976.7	1.42	77.38
61.0-62.0	552.0	53.2	3029.9	1.38	78.76
62.0-63.0	533.0	51.8	3081.7	1.35	80.11
63.0-64.0	512.9	50.3	3132.1	1.31	81.41
64.0-65.0	492.9	48.8	3180.8	1.27	82.68
65.0-66.0	473.8	47.3	3228.1	1.23	83.91
66.0-67.0	453.8	45.6	3273.8	1.19	85.10
67.0-68.0	434.0	44.0	3317.7	1.14	86.24
68.0-69.0	414.1	42.3	3360.0	1.10	87.34
69.0-70.0	394.4	40.5	3400.5	1.05	88.39
70.0-71.0	375.6	38.8	3439.3	1.01	89.40
71.0-72.0	356.1	37.0	3476.4	0.96	90.36

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	336.7	35.2	3511.6	0.92	91.28
73.0-74.0	318.3	33.5	3545.0	0.87	92.15
74.0-75.0	299.3	31.6	3576.7	0.82	92.97
75.0-76.0	280.4	29.8	3606.4	0.77	93.75
76.0-77.0	261.5	27.9	3634.3	0.72	94.47
77.0-78.0	242.8	26.0	3660.3	0.68	95.15
78.0-79.0	224.5	24.1	3684.4	0.63	95.77
79.0-80.0	204.6	22.1	3706.5	0.57	96.35
80.0-81.0	183.4	19.8	3726.3	0.52	96.86
81.0-82.0	160.6	17.4	3743.8	0.45	97.32
82.0-83.0	135.0	14.7	3758.4	0.38	97.70
83.0-84.0	108.0	11.8	3770.2	0.31	98.00
84.0-85.0	80.1	8.7	3779.0	0.23	98.23
85.0-86.0	53.6	5.9	3784.8	0.15	98.38
86.0-87.0	32.9	3.6	3788.4	0.09	98.48
87.0-88.0	17.6	1.9	3790.3	0.05	98.53
88.0-89.0	8.6	0.9	3791.3	0.02	98.55
89.0-90.0	5.4	0.6	3791.9	0.02	98.57
90.0-91.0	4.6	0.5	3792.4	0.01	98.58
91.0-92.0	4.4	0.5	3792.9	0.01	98.59
92.0-93.0	4.5	0.5	3793.4	0.01	98.60
93.0-94.0	4.7	0.5	3793.9	0.01	98.62
94.0-95.0	4.8	0.5	3794.4	0.01	98.63
95.0-96.0	5.0	0.5	3794.9	0.01	98.65
96.0-97.0	5.1	0.6	3795.5	0.01	98.66
97.0-98.0	5.2	0.6	3796.1	0.01	98.68
98.0-99.0	5.4	0.6	3796.6	0.02	98.69
99.0-100.0	5.5	0.6	3797.2	0.02	98.71
100.0-101.0	5.7	0.6	3797.9	0.02	98.72
101.0-102.0	5.8	0.6	3798.5	0.02	98.74
102.0-103.0	6.0	0.6	3799.1	0.02	98.75
103.0-104.0	6.1	0.7	3799.8	0.02	98.77
104.0-105.0	6.3	0.7	3800.4	0.02	98.79
105.0-106.0	6.4	0.7	3801.1	0.02	98.81
106.0-107.0	6.5	0.7	3801.8	0.02	98.82
107.0-108.0	6.7	0.7	3802.5	0.02	98.84

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	6.9	0.7	3803.2	0.02	98.86
109.0-110.0	7.0	0.7	3803.9	0.02	98.88
110.0-111.0	7.1	0.7	3804.7	0.02	98.90
111.0-112.0	7.3	0.7	3805.4	0.02	98.92
112.0-113.0	7.4	0.8	3806.2	0.02	98.94
113.0-114.0	7.6	0.8	3806.9	0.02	98.96
114.0-115.0	7.7	0.8	3807.7	0.02	98.98
115.0-116.0	7.8	0.8	3808.5	0.02	99.00
116.0-117.0	8.0	0.8	3809.3	0.02	99.02
117.0-118.0	8.1	0.8	3810.0	0.02	99.04
118.0-119.0	8.3	0.8	3810.8	0.02	99.06
119.0-120.0	8.4	0.8	3811.6	0.02	99.08
120.0-121.0	8.6	0.8	3812.5	0.02	99.10
121.0-122.0	8.7	0.8	3813.3	0.02	99.12
122.0-123.0	8.9	0.8	3814.1	0.02	99.14
123.0-124.0	9.0	0.8	3814.9	0.02	99.17
124.0-125.0	9.2	0.8	3815.7	0.02	99.19
125.0-126.0	9.3	0.8	3816.6	0.02	99.21
126.0-127.0	9.5	0.8	3817.4	0.02	99.23
127.0-128.0	9.6	0.8	3818.2	0.02	99.25
128.0-129.0	9.8	0.8	3819.1	0.02	99.27
129.0-130.0	9.9	0.8	3819.9	0.02	99.30
130.0-131.0	10.1	0.8	3820.8	0.02	99.32
131.0-132.0	10.2	0.8	3821.6	0.02	99.34
132.0-133.0	10.4	0.8	3822.4	0.02	99.36
133.0-134.0	10.5	0.8	3823.3	0.02	99.38
134.0-135.0	10.6	0.8	3824.1	0.02	99.40
135.0-136.0	10.8	0.8	3824.9	0.02	99.43
136.0-137.0	10.9	0.8	3825.8	0.02	99.45
137.0-138.0	11.1	0.8	3826.6	0.02	99.47
138.0-139.0	11.2	0.8	3827.4	0.02	99.49
139.0-140.0	11.3	0.8	3828.2	0.02	99.51
140.0-141.0	11.5	0.8	3829.0	0.02	99.53
141.0-142.0	11.6	0.8	3829.8	0.02	99.55
142.0-143.0	11.7	0.8	3830.6	0.02	99.57
143.0-144.0	11.9	0.8	3831.4	0.02	99.59

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	12.0	0.8	3832.1	0.02	99.61
145.0-146.0	12.1	0.8	3832.9	0.02	99.63
146.0-147.0	12.2	0.7	3833.6	0.02	99.65
147.0-148.0	12.3	0.7	3834.3	0.02	99.67
148.0-149.0	12.4	0.7	3835.0	0.02	99.69
149.0-150.0	12.6	0.7	3835.7	0.02	99.71
150.0-151.0	12.6	0.7	3836.4	0.02	99.72
151.0-152.0	12.7	0.7	3837.1	0.02	99.74
152.0-153.0	12.8	0.6	3837.7	0.02	99.76
153.0-154.0	12.9	0.6	3838.4	0.02	99.78
154.0-155.0	13.0	0.6	3839.0	0.02	99.79
155.0-156.0	13.1	0.6	3839.6	0.02	99.81
156.0-157.0	13.2	0.6	3840.2	0.01	99.82
157.0-158.0	13.3	0.6	3840.7	0.01	99.84
158.0-159.0	13.4	0.5	3841.3	0.01	99.85
159.0-160.0	13.4	0.5	3841.8	0.01	99.86
160.0-161.0	13.5	0.5	3842.3	0.01	99.88
161.0-162.0	13.5	0.5	3842.7	0.01	99.89
162.0-163.0	13.6	0.4	3843.2	0.01	99.90
163.0-164.0	13.7	0.4	3843.6	0.01	99.91
164.0-165.0	13.8	0.4	3844.0	0.01	99.92
165.0-166.0	13.8	0.4	3844.4	0.01	99.93
166.0-167.0	13.9	0.4	3844.7	0.01	99.94
167.0-168.0	14.0	0.3	3845.1	0.01	99.95
168.0-169.0	14.0	0.3	3845.4	0.01	99.96
169.0-170.0	14.1	0.3	3845.7	0.01	99.96
170.0-171.0	14.1	0.3	3845.9	0.01	99.97
171.0-172.0	14.2	0.2	3846.2	0.01	99.98
172.0-173.0	14.2	0.2	3846.4	0.01	99.98
173.0-174.0	14.2	0.2	3846.5	0.00	99.99
174.0-175.0	14.3	0.2	3846.7	0.00	99.99
175.0-176.0	14.3	0.1	3846.8	0.00	99.99
176.0-177.0	14.4	0.1	3846.9	0.00	100.00
177.0-178.0	14.4	0.1	3847.0	0.00	100.00
178.0-179.0	14.4	0.0	3847.0	0.00	100.00
179.0-180.0	14.4	0.0	3847.0	0.00	100.00

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:



## Zonal Lumen (Continue 5)

cone flux(90°): 1985.23 lm

%lum = 51.6%

%lamp = 51.6%

cone flux(120°): 2922.08 lm

%lum = 76.0%

%lamp = 76.0%

## 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	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
G1.0	1309.2	1309.2	1309.8	1309.5	1309.0	1308.5	1307.6	1307.5	1307.4	1307.6
G2.0	1309.2	1309.5	1310.1	1309.4	1308.4	1307.7	1306.3	1305.9	1305.7	1306.1
G3.0	1308.6	1309.0	1309.9	1308.9	1307.6	1306.7	1304.3	1303.3	1303.3	1303.7
G4.0	1307.5	1308.0	1309.2	1307.7	1306.2	1304.8	1302.2	1300.7	1300.3	1300.8
G5.0	1306.1	1307.1	1307.7	1306.3	1304.0	1302.6	1299.8	1297.7	1297.5	1298.2
G6.0	1304.2	1305.3	1305.8	1303.9	1301.0	1299.9	1296.1	1294.2	1293.0	1294.4
G7.0	1301.2	1302.9	1303.2	1301.4	1298.0	1296.6	1292.4	1290.1	1289.0	1290.1
G8.0	1298.2	1300.4	1300.2	1297.7	1294.9	1293.1	1287.8	1285.3	1283.7	1285.0
G9.0	1294.7	1297.1	1296.7	1294.2	1290.8	1288.9	1283.2	1280.5	1278.7	1279.7
G10.0	1290.4	1293.1	1292.9	1289.8	1286.3	1284.1	1278.3	1275.3	1273.4	1274.3
G11.0	1286.3	1289.0	1288.3	1284.9	1281.1	1278.7	1272.2	1268.9	1266.6	1268.0
G12.0	1281.1	1284.4	1283.2	1279.3	1275.5	1273.1	1266.5	1262.5	1259.9	1261.1
G13.0	1275.9	1279.6	1278.4	1273.9	1269.7	1267.5	1260.2	1256.3	1253.2	1254.0
G14.0	1270.0	1273.4	1271.7	1267.0	1262.6	1260.4	1252.6	1248.2	1244.9	1245.7
G15.0	1264.2	1267.5	1265.5	1260.5	1256.0	1253.9	1245.7	1240.9	1236.7	1237.7
G16.0	1257.2	1260.3	1258.2	1252.6	1247.5	1245.9	1238.2	1233.0	1227.9	1228.4
G17.0	1250.2	1253.9	1251.0	1244.7	1240.4	1238.4	1229.9	1224.2	1218.9	1219.6
G18.0	1242.9	1246.8	1243.5	1236.3	1231.8	1230.0	1221.8	1215.9	1209.8	1210.4
G19.0	1234.5	1238.4	1234.4	1227.4	1222.9	1220.8	1212.8	1205.8	1199.4	1200.1
G20.0	1226.6	1230.4	1226.0	1218.7	1213.7	1212.1	1203.3	1196.4	1188.9	1189.5
G21.0	1218.4	1221.9	1217.1	1208.7	1204.0	1202.4	1194.5	1186.9	1178.9	1179.2
G22.0	1208.6	1212.4	1206.5	1197.9	1193.4	1192.2	1183.2	1175.4	1166.7	1167.2
G23.0	1199.7	1203.1	1196.8	1187.9	1182.9	1182.2	1173.4	1164.7	1155.9	1155.8
G24.0	1189.0	1192.4	1185.2	1175.6	1171.5	1171.1	1162.3	1153.0	1143.3	1143.0
G25.0	1179.3	1182.4	1174.9	1164.9	1160.6	1160.2	1151.3	1141.9	1131.3	1131.3
G26.0	1168.8	1171.8	1163.4	1153.1	1148.6	1149.3	1140.4	1130.1	1118.9	1118.7
G27.0	1157.2	1160.3	1151.1	1140.0	1135.7	1136.4	1128.2	1117.2	1105.4	1104.8
G28.0	1146.4	1149.4	1139.7	1128.0	1123.1	1125.1	1116.3	1104.6	1092.0	1091.7
G29.0	1134.7	1137.7	1126.9	1115.0	1110.8	1112.5	1104.4	1092.3	1079.2	1078.3
G30.0	1122.5	1124.9	1113.5	1100.9	1096.2	1099.0	1091.4	1078.6	1064.3	1063.4
G31.0	1110.3	1112.6	1100.1	1086.9	1083.1	1085.8	1078.3	1064.9	1050.4	1048.9
G32.0	1097.2	1099.0	1085.9	1071.9	1068.2	1071.7	1064.4	1050.3	1035.0	1033.6
G33.0	1084.9	1085.8	1072.5	1057.2	1053.9	1057.9	1051.2	1036.2	1020.4	1018.6
G34.0	1071.8	1072.9	1058.0	1043.2	1039.9	1044.1	1037.2	1021.7	1005.0	1003.2
G35.0	1057.7	1058.6	1043.0	1027.2	1023.5	1028.5	1022.5	1006.3	988.7	986.8
G36.0	1043.8	1044.5	1027.9	1011.8	1008.9	1014.6	1007.8	991.5	973.4	971.5

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	1030.0	1030.2	1013.2	995.8	993.4	999.7	992.9	975.6	956.7	953.6
G38.0	1014.8	1014.7	996.4	979.2	976.8	983.8	978.7	960.6	941.2	938.1
G39.0	1001.2	999.6	980.8	962.6	960.6	968.2	963.6	945.2	924.6	921.2
G40.0	984.9	983.8	963.3	945.4	943.3	951.6	947.9	928.6	907.3	903.7
G41.0	969.7	968.9	946.7	928.3	926.3	935.7	932.5	912.4	890.2	886.5
G42.0	955.2	953.3	930.8	911.9	910.2	920.3	917.2	897.1	873.8	869.9
G43.0	939.1	936.6	913.1	893.5	891.3	903.2	900.6	880.0	855.9	851.4
G44.0	923.4	920.3	896.0	875.8	874.7	886.6	884.5	863.2	838.4	833.5
G45.0	907.4	904.1	878.6	858.0	856.9	870.0	867.6	845.6	819.8	814.7
G46.0	890.7	886.8	860.2	839.0	838.2	852.2	851.1	829.6	801.7	797.2
G47.0	875.1	870.6	842.3	820.6	820.0	835.3	835.3	812.7	784.7	778.8
G48.0	857.1	852.0	823.3	800.9	800.8	817.1	817.2	793.9	764.4	758.7
G49.0	841.3	835.5	805.9	782.8	782.2	800.2	801.1	776.9	746.8	740.7
G50.0	824.5	818.3	787.6	763.8	764.4	782.6	784.1	759.4	728.3	721.8
G51.0	806.1	799.0	767.3	742.7	743.9	763.1	766.2	741.0	708.8	701.9
G52.0	789.7	782.3	749.1	724.2	724.6	745.8	749.6	723.8	690.8	683.5
G53.0	772.6	764.4	729.9	704.6	706.2	727.9	730.8	704.3	669.8	662.4
G54.0	754.5	745.6	709.8	683.8	685.1	708.7	713.2	687.1	651.5	643.6
G55.0	737.1	727.3	690.5	664.0	666.3	690.4	696.4	668.9	632.2	624.0
G56.0	718.8	708.5	669.9	642.9	644.8	671.0	678.1	649.7	612.1	603.3
G57.0	701.2	689.9	650.1	622.4	625.9	652.4	660.3	632.3	592.6	583.3
G58.0	683.3	671.2	630.1	602.0	605.9	633.8	643.3	614.0	573.8	564.1
G59.0	663.8	651.1	608.5	579.4	583.7	613.4	623.7	594.7	552.2	542.0
G60.0	646.6	633.4	589.3	559.8	564.3	595.4	606.5	576.2	533.4	522.5
G61.0	627.0	612.9	567.3	536.9	542.3	574.7	587.6	556.6	512.4	501.2
G62.0	609.8	595.0	547.9	516.8	521.8	556.5	569.4	537.9	492.5	480.5
G63.0	591.8	576.2	527.5	495.7	502.1	537.6	552.3	520.1	472.5	461.0
G64.0	572.6	556.3	506.0	472.5	479.5	517.7	533.1	499.7	451.5	438.3
G65.0	554.5	537.2	485.2	452.2	460.0	498.7	516.1	481.9	432.4	418.4
G66.0	537.4	518.1	465.5	430.9	439.2	479.8	498.5	463.6	412.2	397.6
G67.0	518.0	498.2	443.1	408.3	417.5	459.8	480.6	444.6	391.4	375.8
G68.0	501.1	479.3	423.4	386.9	396.7	441.3	462.9	426.5	371.4	355.8
G69.0	482.0	459.7	400.7	364.2	375.2	422.0	444.9	407.6	350.6	332.9
G70.0	464.4	441.3	380.2	342.7	354.5	403.9	428.3	390.8	331.6	312.9
G71.0	447.9	422.9	360.7	322.0	334.0	386.7	411.1	373.0	311.9	292.0
G72.0	429.0	403.7	338.4	298.7	312.8	367.1	393.1	354.6	291.6	270.4
G73.0	412.6	385.8	319.0	277.1	292.4	350.1	376.2	337.4	272.2	249.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	395.2	368.5	298.9	256.5	273.5	332.3	360.0	320.8	254.2	230.5
G75.0	377.3	349.8	278.0	234.3	251.9	314.2	341.5	302.0	234.0	208.7
G76.0	360.3	332.0	258.4	213.2	233.3	296.6	324.4	285.8	216.9	189.9
G77.0	342.6	313.0	237.4	190.6	212.7	277.8	303.9	266.9	197.7	168.4
G78.0	325.7	296.4	219.5	171.4	195.5	261.3	282.7	248.7	181.6	150.6
G79.0	307.6	278.9	201.3	151.8	177.6	243.3	256.1	226.0	164.8	132.0
G80.0	284.5	260.2	182.9	131.5	159.3	221.9	223.3	197.9	147.6	113.5
G81.0	259.2	239.6	165.5	113.2	143.5	198.0	186.0	166.5	132.5	96.5
G82.0	230.8	215.0	149.8	95.5	127.5	169.5	139.5	127.5	115.7	80.0
G83.0	192.5	185.1	131.9	78.3	111.8	134.3	88.0	82.8	96.4	65.0
G84.0	152.5	153.5	116.4	63.5	96.7	95.8	44.9	39.1	74.7	52.1
G85.0	98.4	110.2	96.6	48.3	79.8	47.5	17.2	15.1	45.5	39.4
G86.0	51.7	66.2	76.0	36.3	60.7	18.4	6.4	8.5	16.1	29.4
G87.0	22.5	27.3	51.2	26.4	39.9	6.0	5.5	7.4	8.9	20.9
G88.0	7.3	10.4	21.9	17.5	13.3	4.4	5.0	6.0	5.8	12.8
G89.0	4.9	6.7	8.0	10.9	4.9	4.0	4.8	5.0	4.5	6.6
G90.0	4.5	5.6	6.0	5.7	3.5	4.0	4.8	5.0	4.6	4.5
G91.0	4.2	4.7	3.6	3.5	3.6	4.2	4.9	5.1	4.9	4.7
G92.0	4.2	3.9	3.6	3.7	3.8	4.3	5.1	5.3	5.0	4.8
G93.0	4.3	4.2	3.8	3.9	4.0	4.4	5.2	5.4	5.2	4.9
G94.0	4.4	4.3	3.9	4.0	4.2	4.6	5.4	5.6	5.3	5.1
G95.0	4.5	4.4	4.2	4.2	4.3	4.7	5.6	5.7	5.5	5.3
G96.0	4.7	4.5	4.3	4.4	4.5	4.8	5.7	5.8	5.6	5.4
G97.0	4.8	4.7	4.4	4.4	4.6	5.0	5.8	5.9	5.8	5.6
G98.0	4.9	4.8	4.5	4.6	4.8	5.1	6.0	6.1	5.9	5.7
G99.0	5.1	5.0	4.7	4.8	4.9	5.3	6.1	6.2	6.0	5.9
G100.0	5.3	5.1	4.8	4.9	5.1	5.5	6.2	6.4	6.2	6.0
G101.0	5.4	5.3	5.0	5.0	5.3	5.6	6.3	6.5	6.3	6.1
G102.0	5.5	5.3	5.1	5.3	5.4	5.7	6.5	6.7	6.6	6.2
G103.0	5.7	5.6	5.3	5.4	5.6	5.9	6.6	6.8	6.7	6.4
G104.0	5.8	5.7	5.4	5.5	5.7	6.0	6.7	7.0	6.8	6.6
G105.0	6.0	5.8	5.6	5.7	5.8	6.2	6.9	7.1	6.9	6.8
G106.0	6.1	5.9	5.7	5.8	5.9	6.3	7.1	7.2	7.1	6.9
G107.0	6.3	6.1	5.8	5.9	6.1	6.4	7.2	7.4	7.3	7.1
G108.0	6.4	6.2	6.0	6.0	6.2	6.5	7.4	7.6	7.3	7.3
G109.0	6.5	6.4	6.2	6.2	6.4	6.8	7.5	7.7	7.6	7.3
G110.0	6.6	6.4	6.2	6.3	6.5	6.9	7.7	7.7	7.7	7.5

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	6.8	6.7	6.5	6.4	6.8	7.0	7.7	7.9	7.8	7.6
G112.0	7.0	6.8	6.6	6.6	7.0	7.2	7.9	8.1	8.0	7.7
G113.0	7.1	6.9	6.8	6.8	7.2	7.3	8.0	8.2	8.1	7.8
G114.0	7.2	7.1	6.9	6.9	7.2	7.4	8.2	8.4	8.3	8.0
G115.0	7.4	7.3	7.1	7.1	7.3	7.7	8.2	8.5	8.4	8.1
G116.0	7.5	7.3	7.2	7.2	7.4	7.7	8.4	8.7	8.5	8.4
G117.0	7.7	7.4	7.3	7.4	7.6	7.9	8.6	8.8	8.7	8.5
G118.0	7.8	7.7	7.5	7.5	7.7	8.1	8.7	8.9	8.8	8.5
G119.0	8.0	7.7	7.6	7.6	7.9	8.2	8.8	9.0	8.9	8.7
G120.0	8.0	7.9	7.7	7.7	8.1	8.4	9.0	9.3	9.1	8.9
G121.0	8.3	8.2	7.9	8.0	8.2	8.5	9.1	9.4	9.3	9.0
G122.0	8.4	8.3	8.0	8.0	8.3	8.7	9.3	9.6	9.4	9.2
G123.0	8.6	8.4	8.2	8.3	8.5	8.9	9.4	9.8	9.7	9.3
G124.0	8.7	8.6	8.3	8.4	8.5	9.0	9.6	9.8	9.6	9.5
G125.0	8.9	8.7	8.5	8.5	8.7	9.2	9.8	10.0	9.8	9.7
G126.0	9.0	8.9	8.6	8.6	8.9	9.4	9.9	10.2	10.0	9.7
G127.0	9.2	9.0	8.7	8.8	9.0	9.6	10.1	10.2	10.1	9.8
G128.0	9.4	9.3	8.9	8.9	9.2	9.7	10.2	10.4	10.2	9.9
G129.0	9.6	9.4	9.1	9.1	9.3	9.8	10.4	10.6	10.3	10.1
G130.0	9.8	9.6	9.3	9.3	9.5	10.0	10.5	10.8	10.5	10.3
G131.0	9.9	9.8	9.4	9.4	9.6	10.1	10.7	10.9	10.6	10.5
G132.0	10.0	9.9	9.6	9.5	9.7	10.2	10.8	11.0	10.8	10.6
G133.0	10.2	10.0	9.7	9.8	9.9	10.4	11.0	11.2	10.9	10.7
G134.0	10.4	10.1	9.8	9.8	10.0	10.6	11.1	11.3	11.0	10.8
G135.0	10.5	10.3	9.9	10.1	10.2	10.7	11.3	11.5	11.2	11.0
G136.0	10.6	10.4	10.1	10.1	10.4	11.0	11.4	11.7	11.3	11.1
G137.0	10.8	10.5	10.3	10.3	10.5	11.1	11.5	11.8	11.4	11.3
G138.0	10.9	10.7	10.5	10.5	10.7	11.2	11.7	12.1	11.6	11.4
G139.0	11.0	10.9	10.6	10.6	10.8	11.3	11.8	12.1	11.7	11.5
G140.0	11.1	10.9	10.7	10.8	11.0	11.4	11.9	12.2	11.9	11.6
G141.0	11.2	11.0	10.8	10.9	11.1	11.5	12.0	12.3	12.0	11.8
G142.0	11.4	11.2	11.0	11.0	11.2	11.6	12.2	12.4	12.2	12.0
G143.0	11.5	11.4	11.1	11.2	11.3	11.8	12.3	12.5	12.3	12.1
G144.0	11.6	11.5	11.2	11.3	11.5	11.8	12.4	12.6	12.4	12.2
G145.0	11.7	11.5	11.3	11.4	11.6	12.0	12.5	12.8	12.6	12.3
G146.0	11.9	11.7	11.4	11.5	11.6	12.2	12.6	12.9	12.6	12.5
G147.0	12.0	11.8	11.6	11.7	11.7	12.3	12.7	12.9	12.7	12.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	12.2	11.9	11.7	11.8	12.0	12.4	12.9	13.0	13.0	12.7
G149.0	12.3	12.1	11.9	12.0	12.1	12.5	13.1	13.1	13.0	12.7
G150.0	12.4	12.2	12.0	12.1	12.1	12.5	13.1	13.2	13.1	13.0
G151.0	12.5	12.2	12.1	12.1	12.3	12.6	13.2	13.2	13.1	13.1
G152.0	12.6	12.4	12.2	12.3	12.4	12.8	13.1	13.2	13.1	13.1
G153.0	12.7	12.5	12.3	12.4	12.5	12.7	13.2	13.4	13.2	13.1
G154.0	12.9	12.6	12.4	12.5	12.6	13.0	13.3	13.5	13.4	13.2
G155.0	12.9	12.6	12.5	12.7	12.7	13.1	13.4	13.5	13.4	13.3
G156.0	13.0	12.8	12.6	12.7	12.9	13.2	13.4	13.6	13.5	13.4
G157.0	13.2	12.9	12.8	12.8	13.0	13.2	13.6	13.7	13.6	13.6
G158.0	13.2	12.9	12.9	13.0	13.0	13.2	13.7	13.7	13.6	13.6
G159.0	13.1	13.1	13.0	13.1	13.0	13.5	13.7	13.8	13.7	13.6
G160.0	13.3	13.2	13.1	13.1	13.2	13.5	13.8	13.8	13.7	13.7
G161.0	13.4	13.2	13.1	13.1	13.2	13.6	13.7	14.0	13.8	13.8
G162.0	13.5	13.2	13.1	13.3	13.3	13.6	13.9	14.0	13.9	13.8
G163.0	13.5	13.2	13.1	13.4	13.4	13.8	14.0	14.1	13.9	13.9
G164.0	13.6	13.5	13.4	13.4	13.5	13.8	13.9	14.1	14.0	13.9
G165.0	13.6	13.5	13.4	13.5	13.6	13.9	14.0	14.2	14.1	14.0
G166.0	13.8	13.7	13.5	13.6	13.6	13.9	14.1	14.2	14.0	14.0
G167.0	13.8	13.7	13.6	13.6	13.6	14.0	14.1	14.3	14.2	14.1
G168.0	13.9	13.8	13.6	13.7	13.7	14.1	14.2	14.4	14.2	14.1
G169.0	14.0	13.9	13.7	13.9	13.8	14.1	14.2	14.4	14.2	14.2
G170.0	14.0	14.0	13.8	13.9	13.9	14.2	14.2	14.5	14.2	14.2
G171.0	14.2	14.0	13.8	13.9	13.9	14.2	14.3	14.5	14.2	14.3
G172.0	14.1	14.1	13.9	14.0	14.0	14.3	14.3	14.5	14.3	14.4
G173.0	14.2	14.1	14.0	14.1	14.0	14.3	14.3	14.5	14.3	14.3
G174.0	14.2	14.2	14.0	14.1	14.1	14.4	14.4	14.5	14.3	14.4
G175.0	14.3	14.3	14.1	14.1	14.1	14.4	14.3	14.5	14.4	14.4
G176.0	14.3	14.3	14.2	14.2	14.2	14.5	14.3	14.6	14.4	14.4
G177.0	14.3	14.4	14.2	14.2	14.2	14.5	14.4	14.6	14.4	14.4
G178.0	14.5	14.5	14.2	14.3	14.2	14.5	14.4	14.6	14.3	14.4
G179.0	14.4	14.5	14.4	14.3	14.2	14.6	14.4	14.5	14.3	14.5
G180.0	14.5	14.6	14.3	14.4	14.3	14.6	14.3	14.5	14.4	14.5

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1308.7	1308.7	1308.7							
G1.0	1307.9	1308.6	1309.2							
G2.0	1306.7	1307.9	1309.2							
G3.0	1304.9	1306.6	1308.6							
G4.0	1302.5	1304.8	1307.5							
G5.0	1299.7	1302.8	1306.1							
G6.0	1296.3	1300.2	1304.2							
G7.0	1292.8	1296.9	1301.2							
G8.0	1288.4	1293.4	1298.2							
G9.0	1283.7	1289.1	1294.7							
G10.0	1278.4	1284.9	1290.4							
G11.0	1272.5	1279.6	1286.3							
G12.0	1266.3	1274.3	1281.1							
G13.0	1259.5	1268.5	1275.9							
G14.0	1252.3	1261.8	1270.0							
G15.0	1244.7	1255.0	1264.2							
G16.0	1236.5	1247.4	1257.2							
G17.0	1228.1	1239.7	1250.2							
G18.0	1219.2	1232.0	1242.9							
G19.0	1209.2	1222.9	1234.5							
G20.0	1199.5	1213.9	1226.6							
G21.0	1189.9	1205.3	1218.4							
G22.0	1178.6	1194.5	1208.6							
G23.0	1167.5	1184.9	1199.7							
G24.0	1155.6	1174.0	1189.0							
G25.0	1144.4	1163.5	1179.3							
G26.0	1132.0	1152.2	1168.8							
G27.0	1119.1	1139.8	1157.2							
G28.0	1106.6	1128.1	1146.4							
G29.0	1093.1	1116.5	1134.7							
G30.0	1079.3	1103.4	1122.5							
G31.0	1065.9	1090.4	1110.3							
G32.0	1050.2	1076.6	1097.2							
G33.0	1035.6	1062.9	1084.9							
G34.0	1020.9	1049.1	1071.8							
G35.0	1004.9	1034.0	1057.7							
G36.0	990.1	1020.1	1043.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	973.9	1004.1	1030.0							
G38.0	957.9	989.9	1014.8							
G39.0	942.3	974.7	1001.2							
G40.0	924.3	958.8	984.9							
G41.0	908.3	942.8	969.7							
G42.0	891.3	927.5	955.2							
G43.0	873.5	910.5	939.1							
G44.0	856.9	894.2	923.4							
G45.0	837.7	876.9	907.4							
G46.0	820.7	860.1	890.7							
G47.0	802.8	844.1	875.1							
G48.0	783.7	825.3	857.1							
G49.0	765.4	808.8	841.3							
G50.0	748.0	791.3	824.5							
G51.0	727.9	773.0	806.1							
G52.0	709.7	756.1	789.7							
G53.0	689.0	736.5	772.6							
G54.0	670.7	719.2	754.5							
G55.0	651.4	701.2	737.1							
G56.0	631.2	682.2	718.8							
G57.0	611.6	664.0	701.2							
G58.0	593.0	646.4	683.3							
G59.0	572.2	626.1	663.8							
G60.0	552.3	608.3	646.6							
G61.0	531.6	588.9	627.0							
G62.0	511.5	570.0	609.8							
G63.0	492.4	552.1	591.8							
G64.0	470.3	531.6	572.6							
G65.0	451.3	513.9	554.5							
G66.0	432.1	494.9	537.4							
G67.0	409.9	475.4	518.0							
G68.0	390.8	457.5	501.1							
G69.0	368.8	437.5	482.0							
G70.0	349.7	420.1	464.4							
G71.0	329.7	402.2	447.9							
G72.0	309.1	383.7	429.0							
G73.0	289.4	366.0	412.6							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:



## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	270.8	349.4	395.2							
G75.0	250.0	330.6	377.3							
G76.0	232.2	314.3	360.3							
G77.0	212.2	295.6	342.6							
G78.0	195.2	279.6	325.7							
G79.0	178.2	263.0	307.6							
G80.0	161.2	245.4	284.5							
G81.0	145.3	225.9	259.2							
G82.0	129.2	202.6	230.8							
G83.0	114.7	176.3	192.5							
G84.0	101.2	145.0	152.5							
G85.0	84.5	105.7	98.4							
G86.0	67.5	61.7	51.7							
G87.0	46.0	27.8	22.5							
G88.0	19.5	8.4	7.3							
G89.0	6.9	5.6	4.9							
G90.0	4.4	4.8	4.5							
G91.0	4.5	4.8	4.2							
G92.0	4.6	4.8	4.2							
G93.0	4.8	5.0	4.3							
G94.0	5.0	5.2	4.4							
G95.0	5.1	5.3	4.5							
G96.0	5.3	5.4	4.7							
G97.0	5.5	5.6	4.8							
G98.0	5.5	5.7	4.9							
G99.0	5.7	5.9	5.1							
G100.0	5.9	6.0	5.3							
G101.0	6.1	6.1	5.4							
G102.0	6.2	6.3	5.5							
G103.0	6.4	6.5	5.7							
G104.0	6.4	6.7	5.8							
G105.0	6.6	6.8	6.0							
G106.0	6.8	6.9	6.1							
G107.0	7.0	7.1	6.3							
G108.0	7.1	7.2	6.4							
G109.0	7.2	7.3	6.5							
G110.0	7.4	7.5	6.6							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	7.6	7.7	6.8							
G112.0	7.7	7.8	7.0							
G113.0	7.9	7.8	7.1							
G114.0	8.1	8.0	7.2							
G115.0	8.2	8.1	7.4							
G116.0	8.2	8.3	7.5							
G117.0	8.3	8.5	7.7							
G118.0	8.5	8.5	7.8							
G119.0	8.7	8.7	8.0							
G120.0	8.7	8.8	8.0							
G121.0	8.9	9.0	8.3							
G122.0	9.1	9.3	8.4							
G123.0	9.2	9.4	8.6							
G124.0	9.4	9.5	8.7							
G125.0	9.5	9.8	8.9							
G126.0	9.6	9.8	9.0							
G127.0	9.8	10.0	9.2							
G128.0	9.9	10.2	9.4							
G129.0	10.0	10.3	9.6							
G130.0	10.2	10.6	9.8							
G131.0	10.3	10.7	9.9							
G132.0	10.5	10.7	10.0							
G133.0	10.7	10.8	10.2							
G134.0	10.8	11.0	10.4							
G135.0	10.9	11.2	10.5							
G136.0	11.0	11.2	10.6							
G137.0	11.2	11.4	10.8							
G138.0	11.3	11.5	10.9							
G139.0	11.5	11.6	11.0							
G140.0	11.5	11.7	11.1							
G141.0	11.7	11.9	11.2							
G142.0	11.9	12.1	11.4							
G143.0	12.0	12.1	11.5							
G144.0	12.1	12.3	11.6							
G145.0	12.2	12.4	11.7							
G146.0	12.3	12.5	11.9							
G147.0	12.4	12.6	12.0							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	12.5	12.6	12.2							
G149.0	12.5	12.8	12.3							
G150.0	12.8	12.9	12.4							
G151.0	12.8	13.0	12.5							
G152.0	13.0	13.2	12.6							
G153.0	13.0	13.2	12.7							
G154.0	12.9	13.2	12.9							
G155.0	13.2	13.3	12.9							
G156.0	13.2	13.4	13.0							
G157.0	13.3	13.5	13.2							
G158.0	13.4	13.5	13.2							
G159.0	13.5	13.6	13.1							
G160.0	13.5	13.7	13.3							
G161.0	13.5	13.7	13.4							
G162.0	13.6	13.8	13.5							
G163.0	13.7	13.9	13.5							
G164.0	13.8	13.9	13.6							
G165.0	13.9	14.0	13.6							
G166.0	13.9	14.1	13.8							
G167.0	13.9	14.1	13.8							
G168.0	13.9	14.2	13.9							
G169.0	14.0	14.2	14.0							
G170.0	14.1	14.2	14.0							
G171.0	14.1	14.3	14.2							
G172.0	14.2	14.3	14.1							
G173.0	14.2	14.3	14.2							
G174.0	14.2	14.4	14.2							
G175.0	14.2	14.4	14.3							
G176.0	14.3	14.4	14.3							
G177.0	14.3	14.6	14.3							
G178.0	14.3	14.6	14.5							
G179.0	14.3	14.6	14.4							
G180.0	14.3	14.6	14.5							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## LED Average Luminance Report

Avg.L	cd/m <sup>2</sup>
L 0-180(65) av	1759.15
L 0-180(75) av	1928.62
L 0-180(85) av	920.78
L 90-270(65) av	1430.57
L 90-270(75) av	1188.71
L 90-270(85) av	698.65
L 45(65) av	1585.86
L 45(75) av	1549.85
L 45(85) av	1164.78

Standard: GB/T 29293-2012