

Report No.:

Test Time: 2023-07-28 15:31

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps:

Luminous Length (mm): 1191

Luminous Height (mm): 40

Current: 0.542 A

Power Factor: 0.993

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 66

Voltage: 119.6 V

Power: 64.37 W

Photometric Results

CIE Class: Direct

Measurement Flux: 8643.6 lm

Downward Ratio: 93%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 209.5, 160.9, 188.1, 187.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 125.6, 105.7, 115.1, 114.8

Luminous Efficacy (lm/w): 134.28

Max. Intensity: 2628.65 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 8643.6 lm

Efficiency: 100%

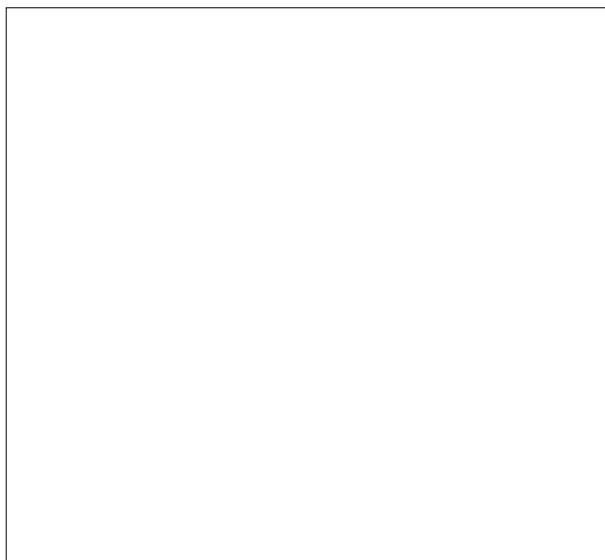
Upward Ratio: 7%

C0r0 Intensity: 2628.65 cd

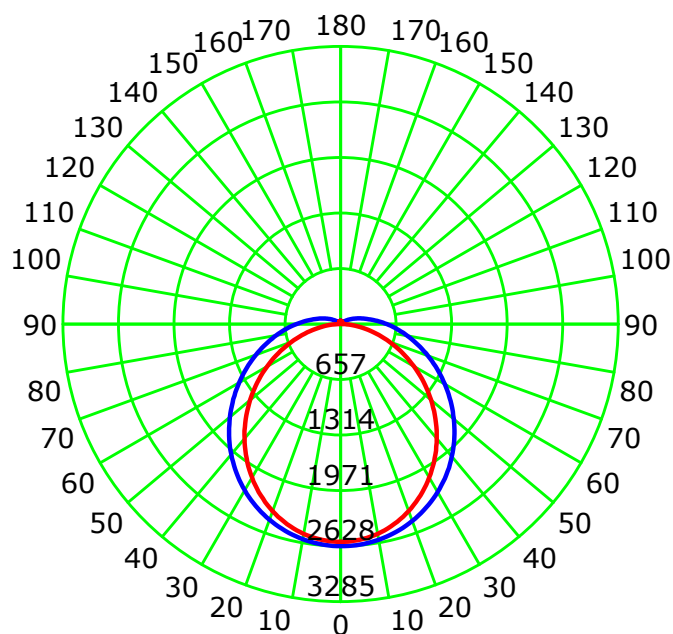
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

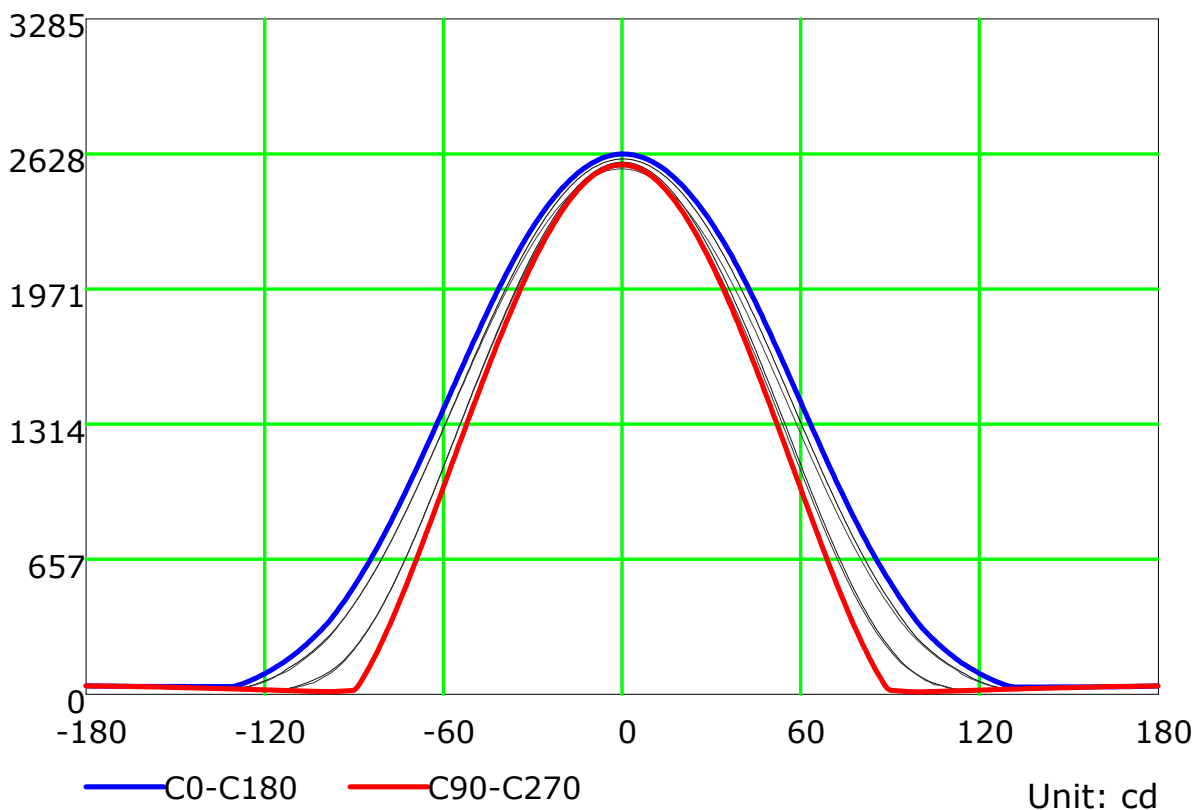
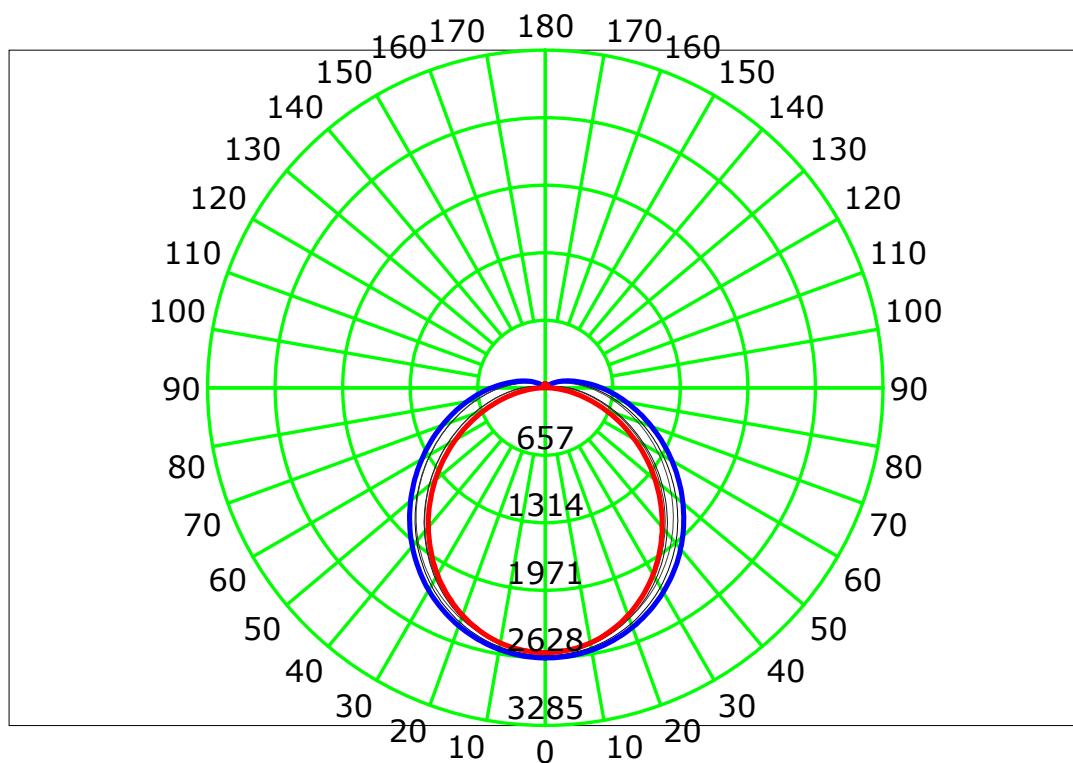
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

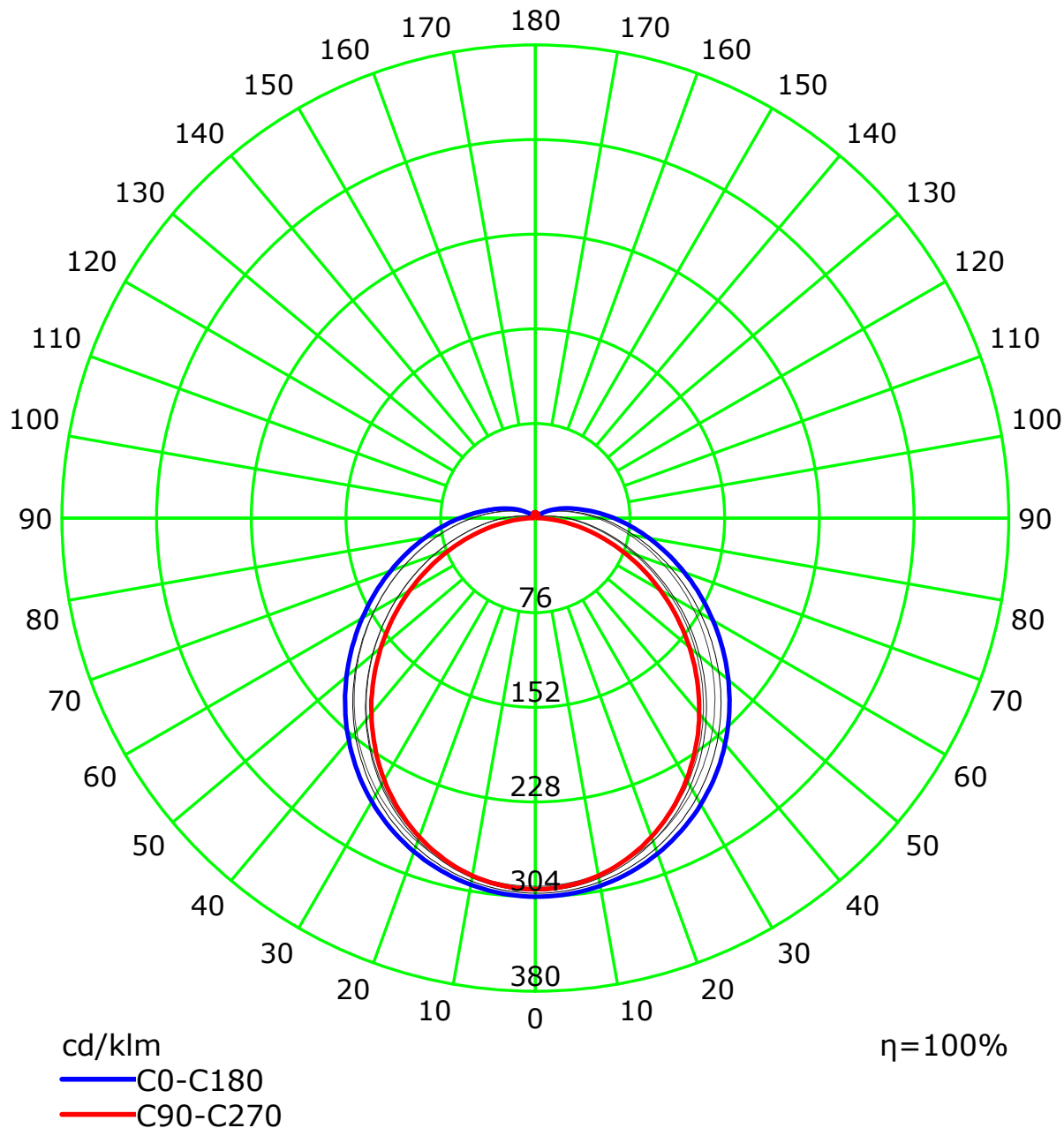
Luminous Intensity Distribution Curve



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: 9.010 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



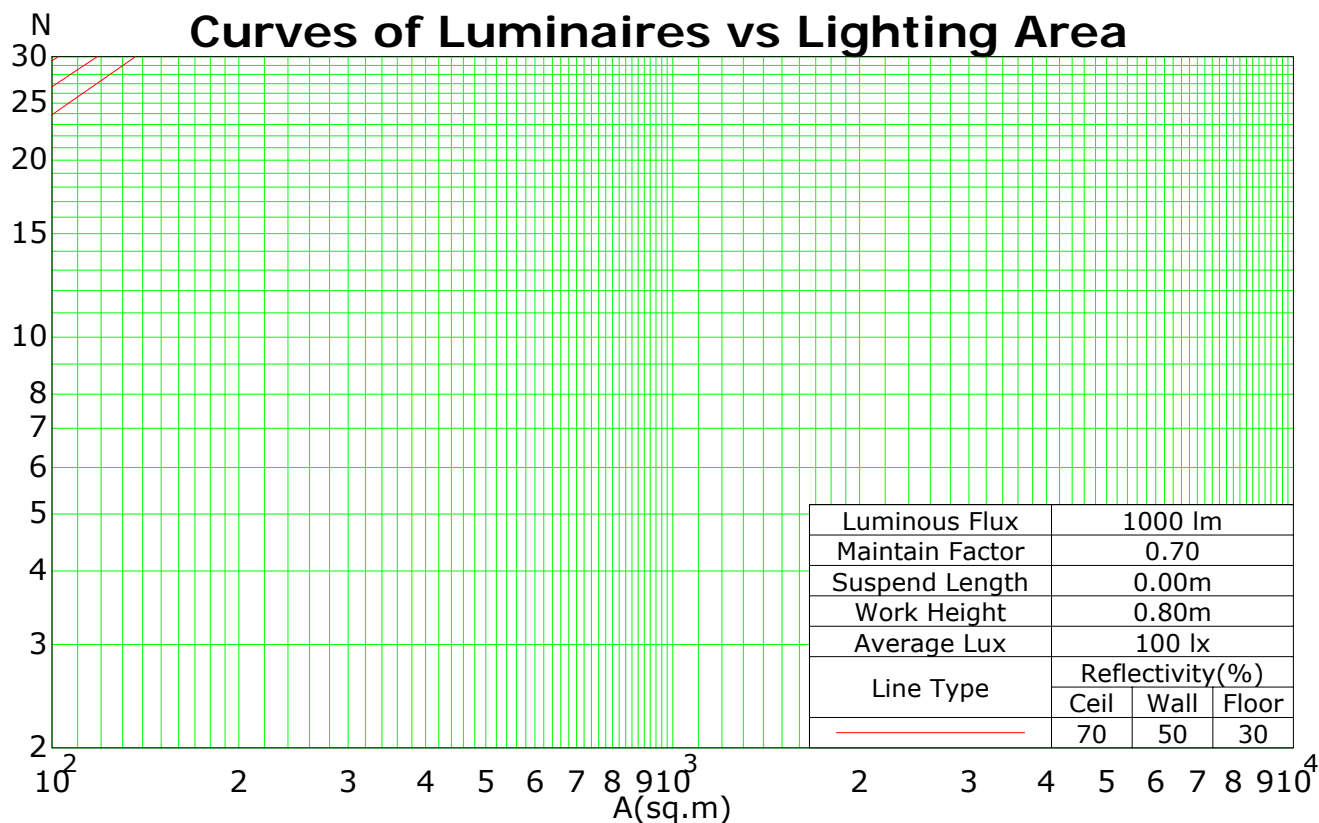
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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	1.17	1.17	1.17	1.17	1.14	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	0.96	0.96	0.96	0.93
1	1.05	1.00	0.95	0.91	1.02	0.97	0.93	0.88	0.91	0.88	0.84	0.86	0.83	0.81	0.82	0.79	0.77	0.74
2	0.95	0.86	0.79	0.73	0.92	0.84	0.77	0.71	0.79	0.73	0.68	0.75	0.70	0.66	0.71	0.67	0.63	0.61
3	0.87	0.75	0.67	0.60	0.83	0.73	0.65	0.59	0.69	0.62	0.57	0.66	0.60	0.55	0.62	0.57	0.53	0.51
4	0.79	0.67	0.57	0.50	0.76	0.65	0.56	0.50	0.61	0.54	0.48	0.58	0.52	0.47	0.55	0.50	0.45	0.43
5	0.73	0.59	0.50	0.43	0.70	0.58	0.49	0.43	0.55	0.47	0.41	0.52	0.46	0.40	0.50	0.44	0.39	0.37
6	0.67	0.53	0.44	0.37	0.65	0.52	0.43	0.37	0.49	0.42	0.36	0.47	0.40	0.35	0.45	0.39	0.34	0.32
7	0.62	0.48	0.39	0.33	0.60	0.47	0.39	0.33	0.45	0.37	0.32	0.43	0.36	0.31	0.41	0.35	0.31	0.28
8	0.58	0.44	0.35	0.29	0.56	0.43	0.35	0.29	0.41	0.34	0.28	0.39	0.33	0.28	0.38	0.32	0.27	0.25
9	0.54	0.40	0.32	0.26	0.52	0.39	0.31	0.26	0.38	0.31	0.26	0.36	0.30	0.25	0.35	0.29	0.25	0.23
10	0.51	0.37	0.29	0.24	0.49	0.36	0.29	0.24	0.35	0.28	0.23	0.34	0.27	0.23	0.32	0.27	0.22	0.21

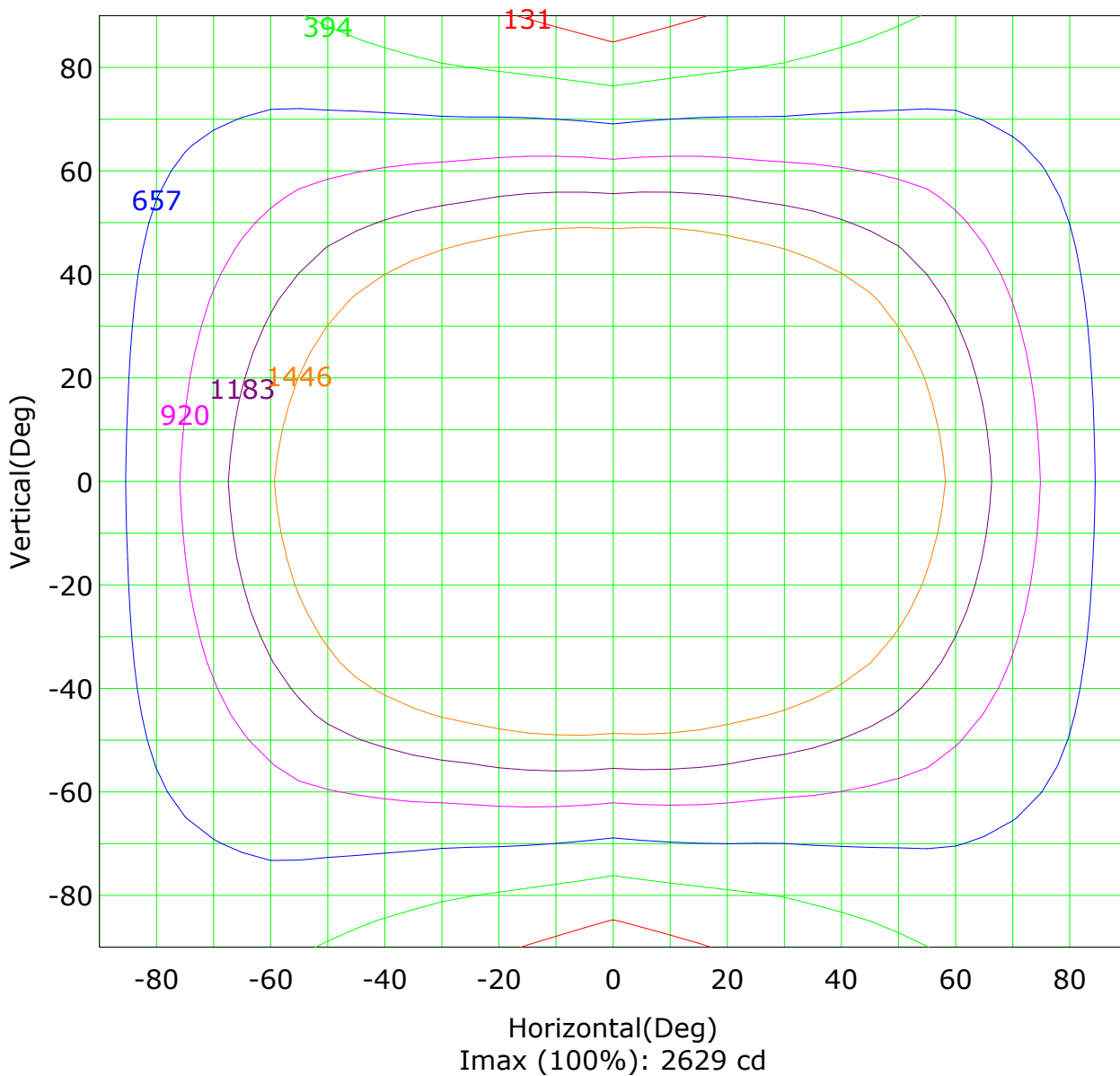
Spacing Criteria (0-180): 1.29
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.36



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: 9.010 m
Humidity:
Inspector:

Isocandela (rectangle)

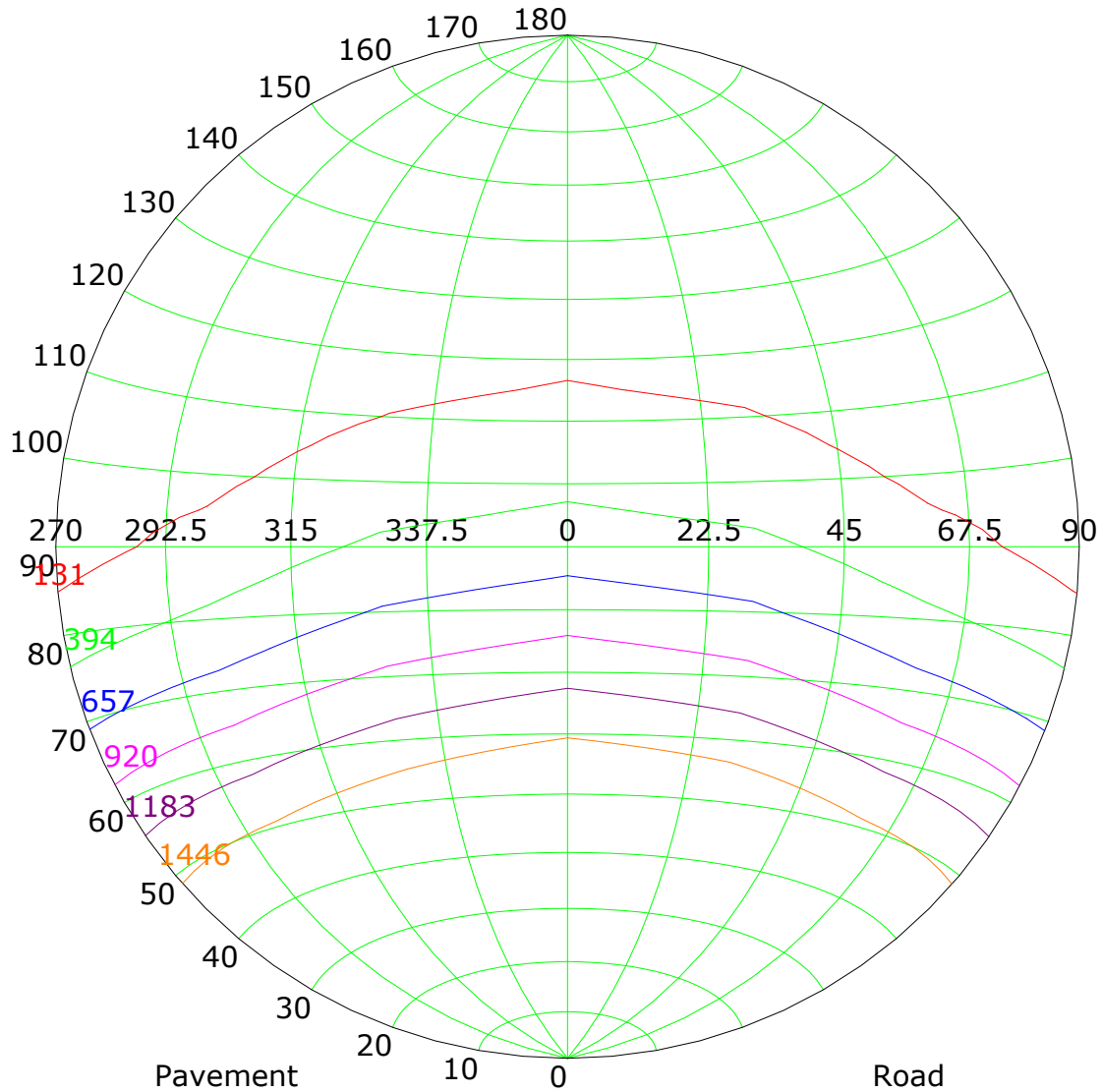


(5%): 131 cd	(15%): 394 cd
(25%): 657 cd	(35%): 920 cd
(45%): 1183 cd	(55%): 1446 cd

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: 9.010 m
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 2629 cd

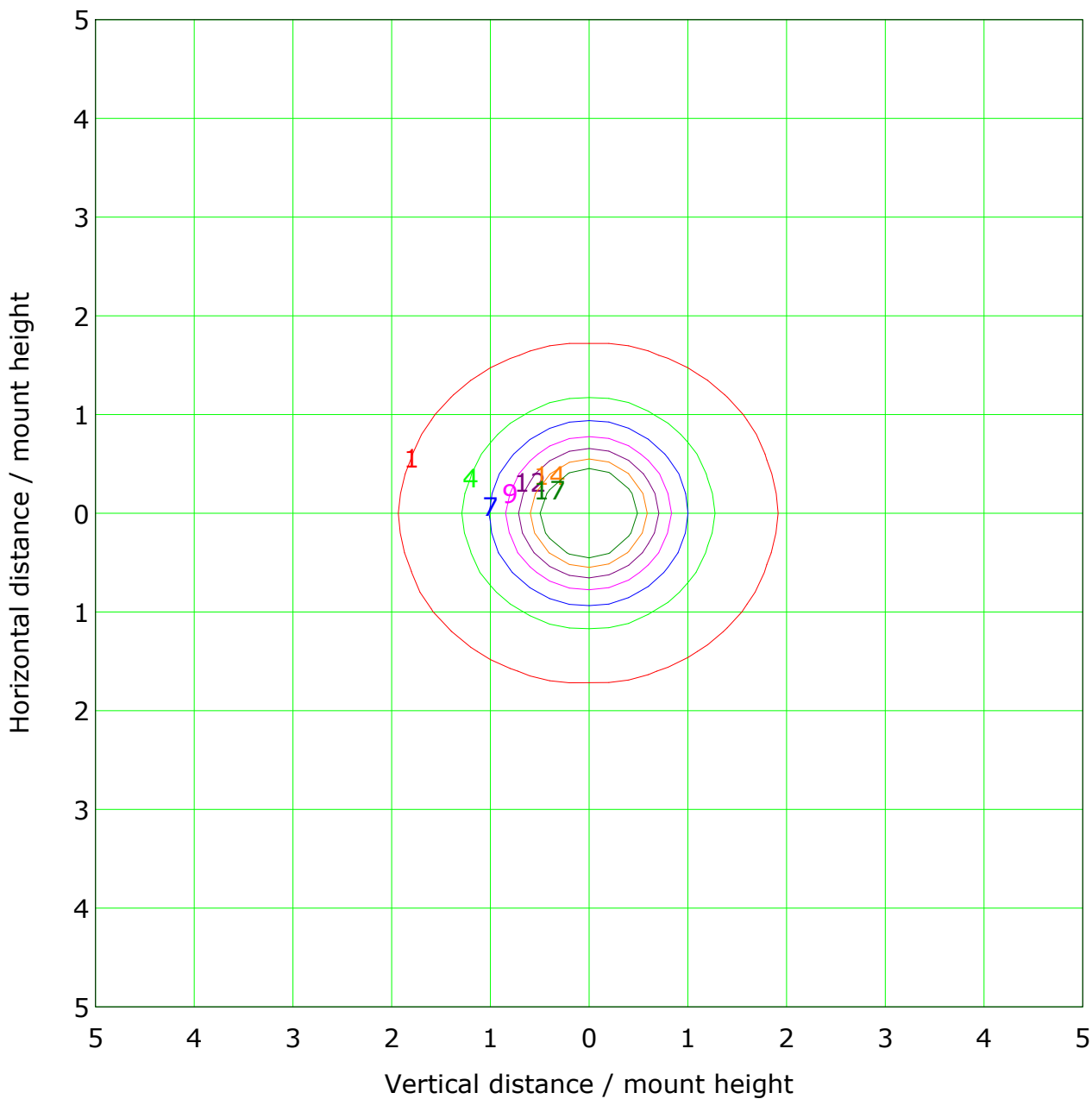
(5%): 131 cd
(25%): 657 cd
(45%): 1183 cd

(15%): 394 cd
(35%): 920 cd
(55%): 1446 cd

CIE: narrow - short
CIE: Non-cut-off luminaire
Max.At90: 63.413 cd/klm

IES: Non-cut-off
Max.At80: 92.677 cd/klm
Max.80-90: 92.677 cd/klm

IsoLux Plot



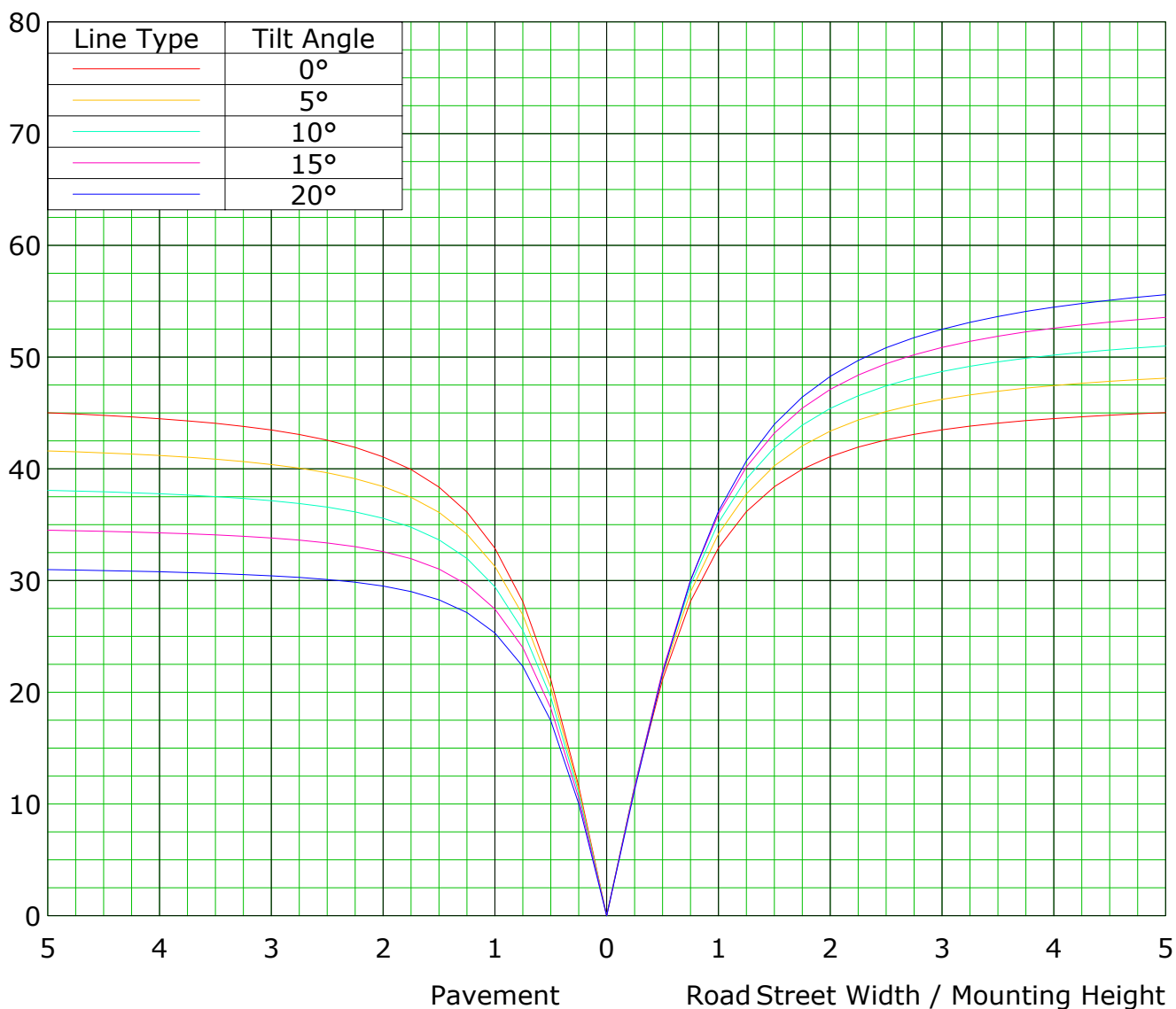
Mounting Height: 10.0m		Max Lux(100%): 26.3 lx	
— (5%):	1.3 lx	— (15%):	3.9 lx
— (25%):	6.6 lx	— (35%):	9.2 lx
— (45%):	11.8 lx	— (55%):	14.5 lx
— (65%):	17.1 lx		

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: 9.010 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

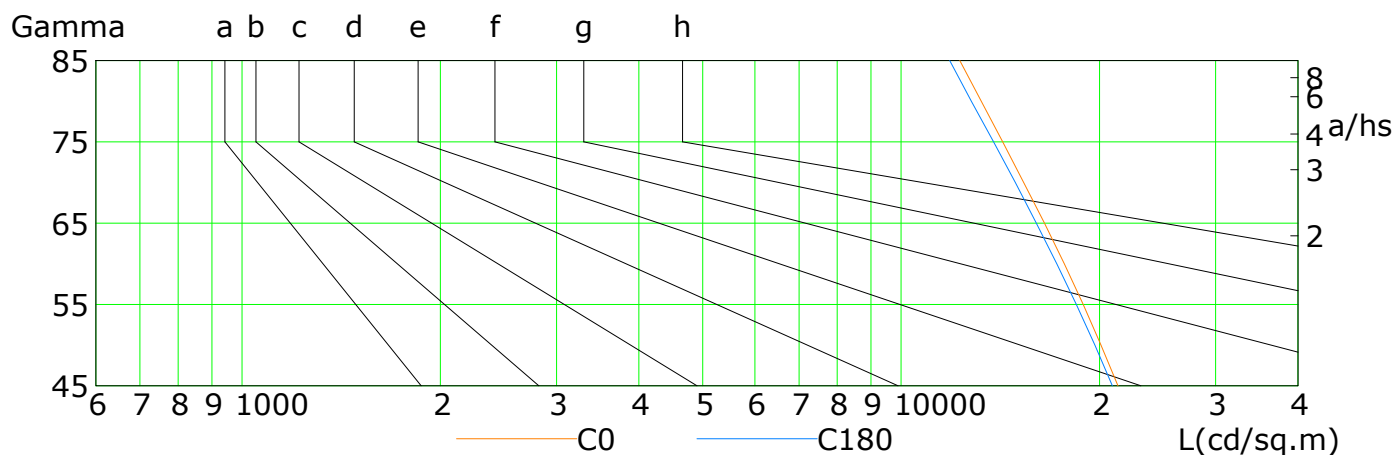
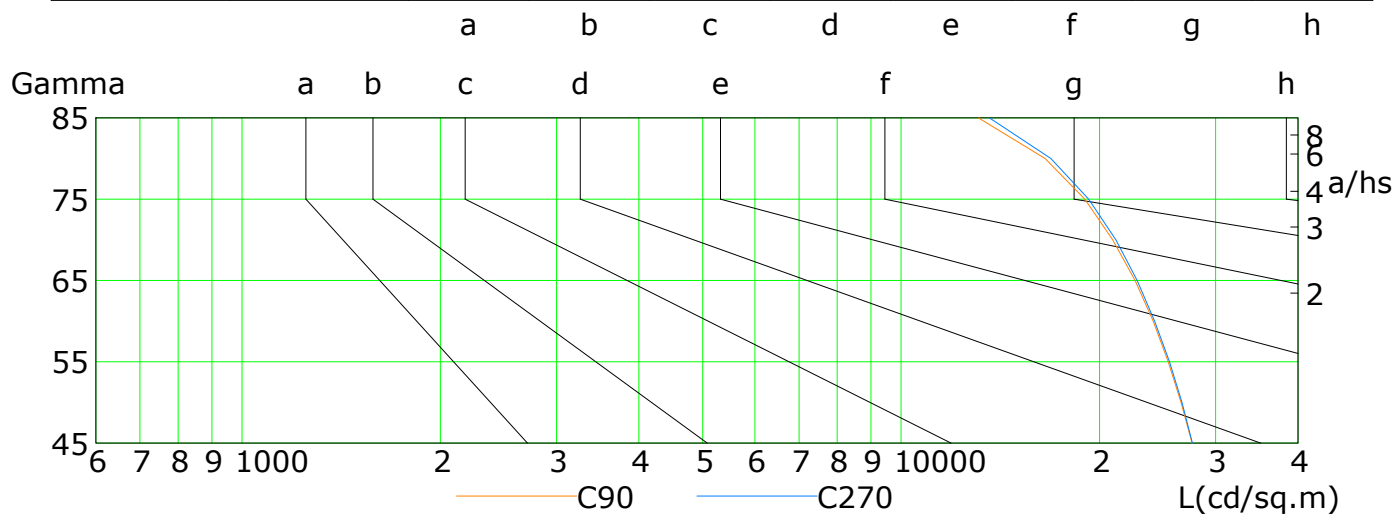


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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

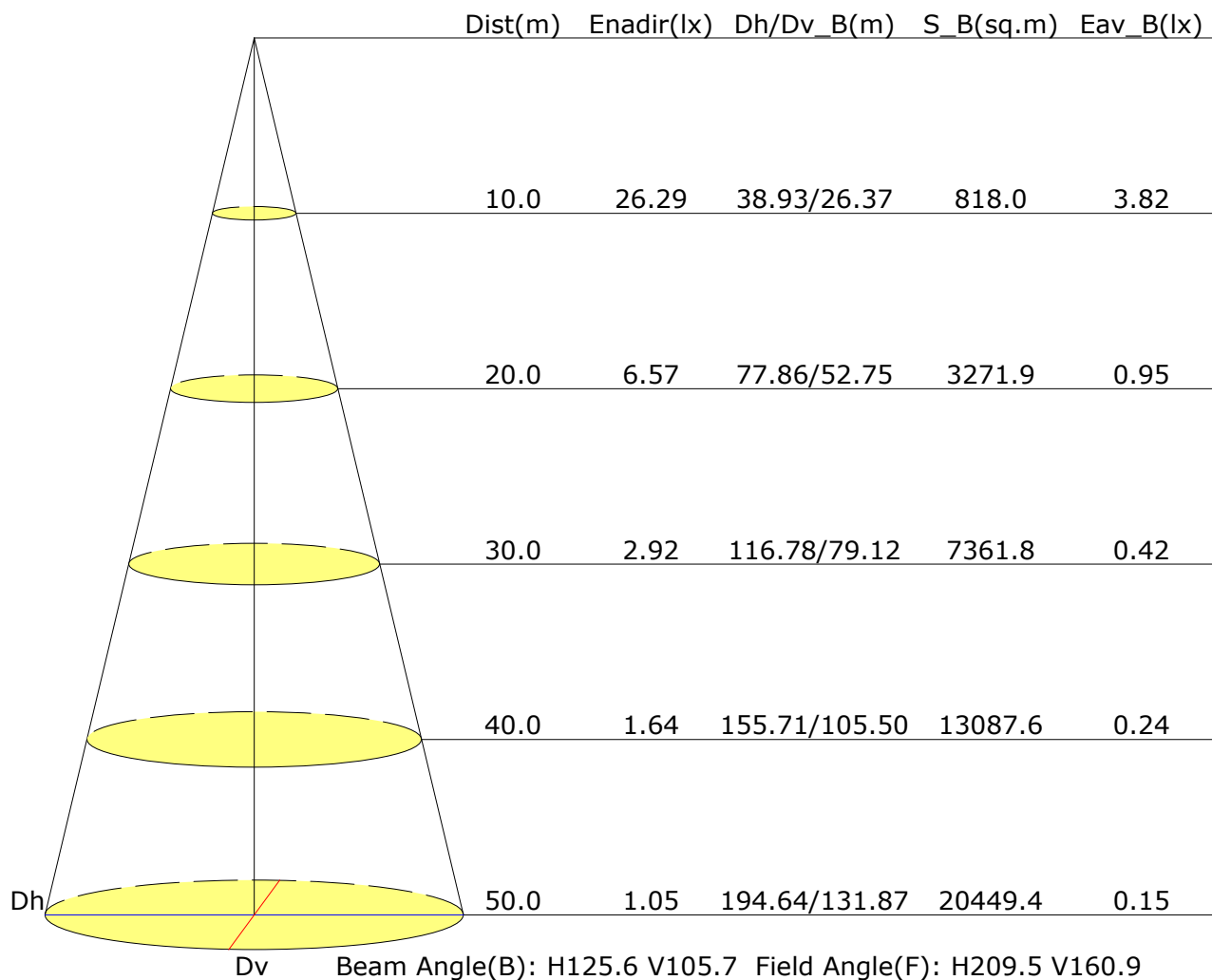


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	21325	20103	18887	17684	16501	15342	14256	13226	12278
C90	27624	26590	25426	24121	22647	20941	18995	16533	13099
C180	20914	19679	18447	17225	16038	14902	13810	12775	11852
C270	27661	26669	25534	24237	22814	21179	19255	16875	13610

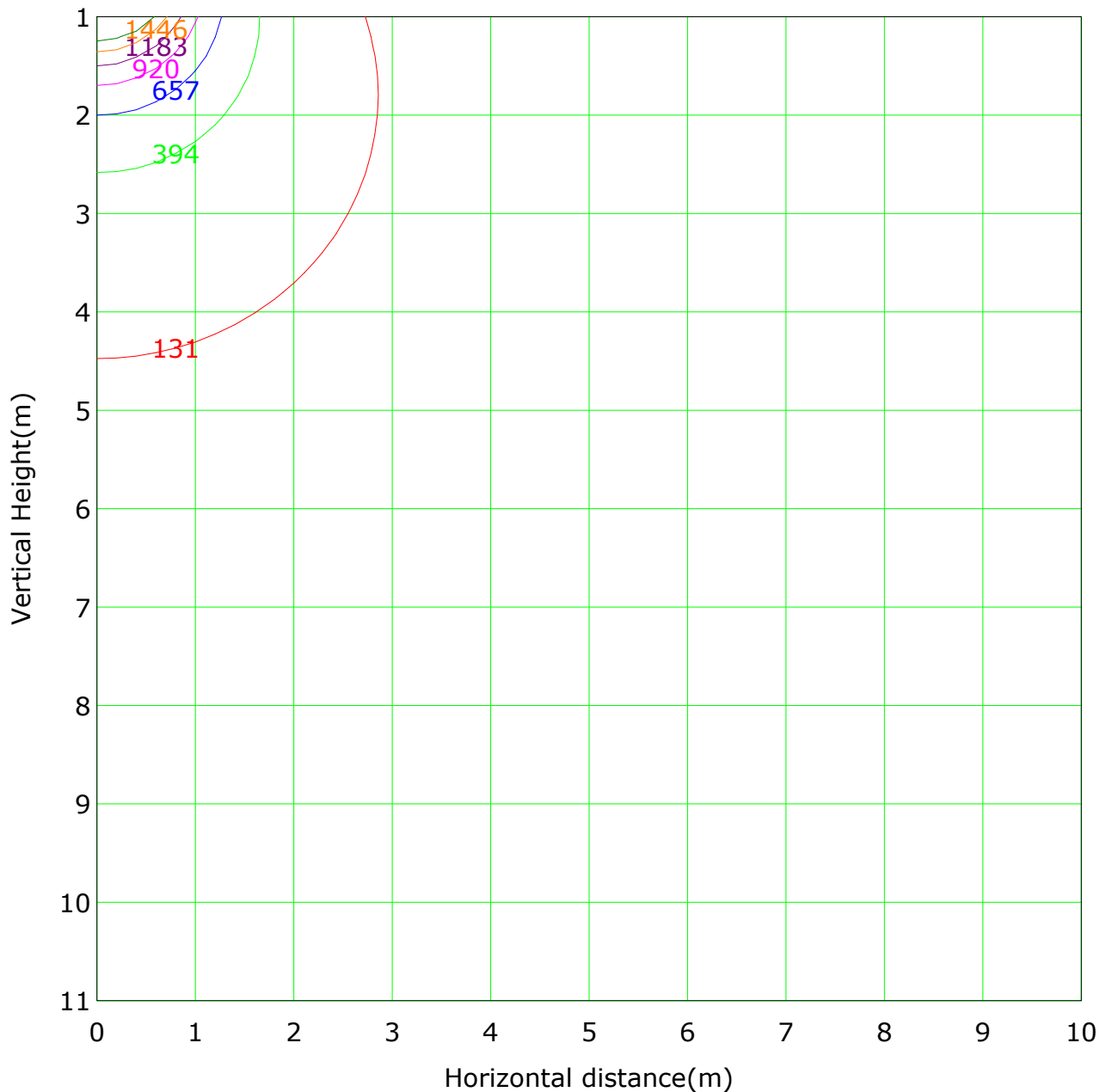
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2628.6 lx

(5%): 131.4 lx	(15%): 394.3 lx
(25%): 657.2 lx	(35%): 920.0 lx
(45%): 1182.9 lx	(55%): 1445.8 lx
(65%): 1708.6 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: 9.010 m
Humidity:
Inspector:

Area Flux Table

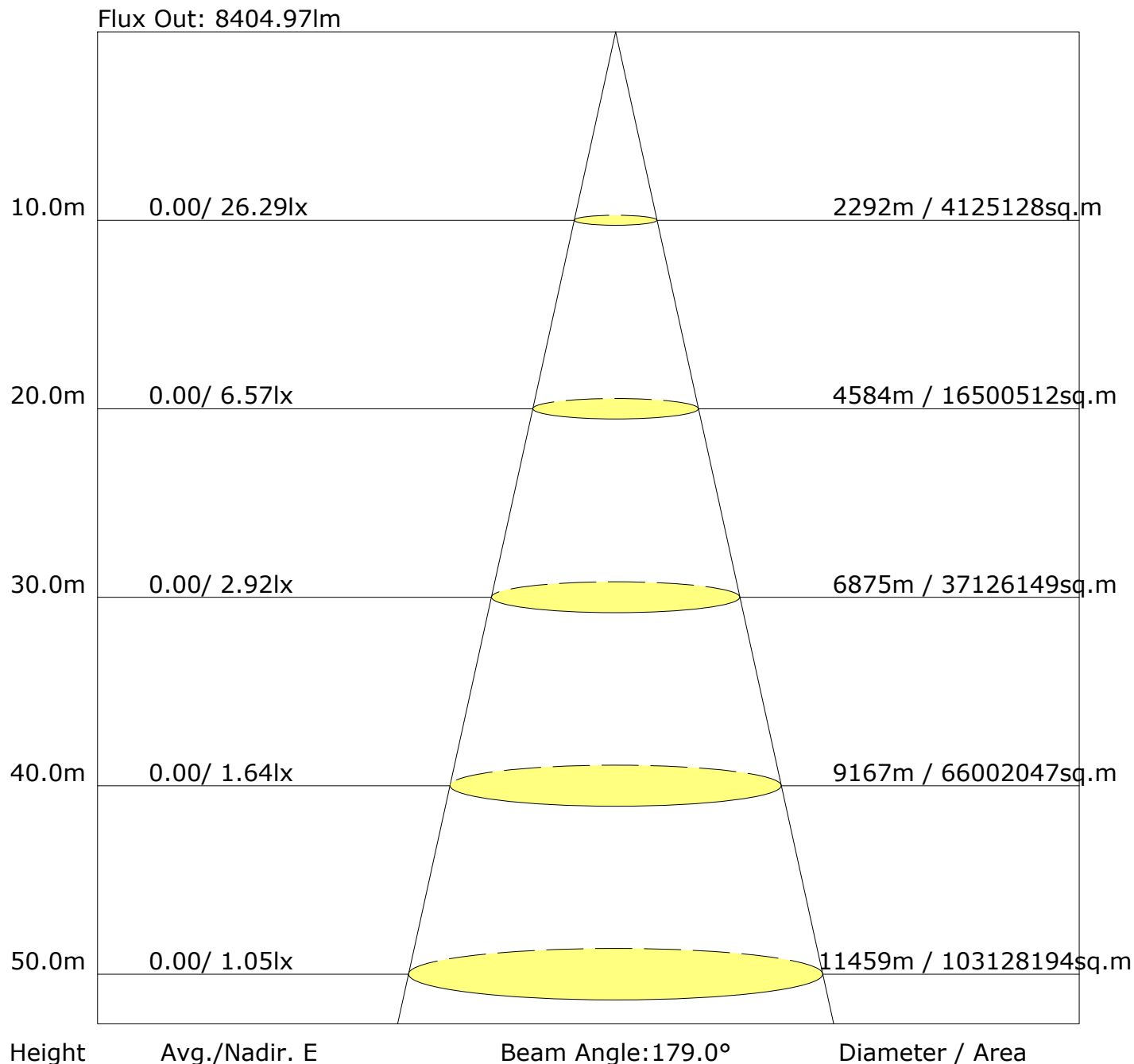
Unit: lm

Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	Flux(T)	1.4	4.0	6.4	8.1	8.7	8.6	7.8	6.7	5.0	5.0	6.6	7.8	8.5	8.7	8.1	6.5	4.1	1.4	113.5
29.2	105.3208.0331.4462.3587.4691.3768.8804.8806.3773.2698.4596.0471.1339.3213.9108.7	4.0	6.4	8.1	8.7	8.6	7.8	6.7	5.0	5.0	6.6	7.8	8.5	8.7	8.1	6.5	4.1	1.4	113.1	91.7
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8068	4.5	7.7	10.6	12.6	13.8	14.5	14.8	14.2	14.1	14.8	14.5	13.8	12.6	10.6	7.8	4.6	1.5	187.9	187.9
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	6.3	7.9	8.5	8.3	7.6	6.4	4.9	5.0	6.7	7.9	8.7	9.0	8.4	6.6	4.2	1.4	113.1	91.7	8026
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	7.6	9.0	10.4	12.3	13.5	14.2	14.5	13.9	14.0	14.8	14.7	14.1	12.9	10.9	8.0	4.7	1.5	187.9	187.9
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	7.9	8.5	8.3	7.6	6.4	4.9	5.0	6.7	7.9	8.7	9.0	8.4	6.6	4.2	1.4	113.1	91.7	8026	8026
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	8.5	8.3	7.6	6.4	4.9	5.0	6.7	7.9	8.7	9.0	8.4	6.6	4.2	1.4	113.1	91.7	8026	8026	8026
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8.5	8.3	7.6	6.4	4.9	5.0	6.7	7.9	8.7	9.0	8.4	6.6	4.2	1.4	113.1	91.7	8026	8026	8026
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	8.3	7.6	6.4	4.9	5.0	6.7	7.9	8.7	9.0	8.4	6.6	4.2	1.4	113.1	91.7	8026	8026	8026	8026
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	6.4	13.2	21.6	31.2	40.6	48.8	55.2	58.6	58.9	55.9	50.0	41.8	32.4	22.5	13.7	6.7	1.8	560.8	560.8
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	6.4	13.2	21.6	31.2	40.6	48.8	55.2	58.6	58.9	55.9	50.0	41.8	32.4	22.5	13.7	6.7	1.8	560.8	560.8
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	6.8	14.3	23.9	34.9	46.0	55.8	63.2	67.4	67.7	64.1	57.1	47.4	36.1	24.7	14.8	7.1	1.8	634.9	634.9
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	6.8	14.3	23.9	34.9	46.0	55.8	63.2	67.4	67.7	64.1	57.1	47.4	36.1	24.7	14.8	7.1	1.8	634.9	634.9
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	7.1	15.1	25.7	37.8	50.1	60.9	69.0	73.6	74.1	70.2	62.3	51.4	38.8	26.4	15.6	7.3	1.9	689.2	689.2
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	7.1	15.1	25.7	37.8	50.1	60.9	69.0	73.6	74.1	70.2	62.3	51.4	38.8	26.4	15.6	7.3	1.9	689.2	689.2
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	7.3	15.7	26.9	39.8	53.0	64.7	73.5	77.7	77.1	73.0	64.8	53.4	40.4	27.4	16.1	7.5	1.9	722.0	722.0
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	7.3	15.7	26.9	39.8	53.0	64.7	73.5	77.7	77.1	73.0	64.8	53.4	40.4	27.4	16.1	7.5	1.9	722.0	722.0
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	7.3	15.7	26.9	39.8	53.0	64.7	73.5	77.7	77.1	73.0	64.8	53.4	40.4	27.4	16.1	7.5	1.9	722.0	722.0
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	7.3	15.7	26.9	39.8	53.0	64.7	73.5	77.7	77.1	73.0	64.8	53.4	40.4	27.4	16.1	7.5	1.9	722.0	722.0
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	7.1	15.2	25.8	38.1	50.7	61.8	69.9	74.0	73.7	69.2	61.2	50.6	38.4	26.2	15.5	7.3	1.9	688.5	688.5
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	7.1	15.2	25.8	38.1	50.7	61.8	69.9	74.0	73.7	69.2	61.2	50.6	38.4	26.2	15.5	7.3	1.9	688.5	688.5
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	6.8	14.4	24.2	35.4	46.8	56.6	63.8	67.6	67.5	63.4	56.1	46.4	35.4	24.4	14.6	7.0	1.8	634.1	634.1
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	6.8	14.4	24.2	35.4	46.8	56.6	63.8	67.6	67.5	63.4	56.1	46.4	35.4	24.4	14.6	7.0	1.8	634.1	634.1
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	6.5	13.3	21.9	31.7	41.2	49.5	55.6	58.8	58.7	55.4	49.2	41.0	31.6	22.1	13.5	6.6	1.8	560.1	560.1
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	6.5	13.3	21.9	31.7	41.2	49.5	55.6	58.8	58.7	55.4	49.2	41.0	31.6	22.1	13.5	6.6	1.8	560.1	560.1
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	6.0	12.0	19.4	27.1	34.6	41.0	45.9	48.3	48.3	45.8	40.9	34.5	27.1	19.4	12.2	6.2	1.7	472.0	472.0
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	6.0	12.0	19.4	27.1	34.6	41.0	45.9	48.3	48.3	45.8	40.9	34.5	27.1	19.4	12.2	6.2	1.7	472.0	472.0
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	5.5	10.6	16.5	22.2	27.5	31.9	35.4	36.8	36.8	35.4	31.9	27.4	22.2	16.5	10.7	5.7	1.6	376.0	376.0
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	5.5	10.6	16.5	22.2	27.5	31.9	35.4	36.8	36.8	35.4	31.9	27.4	22.2	16.5	10.7	5.7	1.6	376.0	376.0
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	5.0	9.1	13.5	17.2	20.3	22.8	24.7	25.1	25.1	24.7	22.8	20.3	17.2	13.5	9.2	5.1	1.6	278.9	278.9
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	5.0	9.1	13.5	17.2	20.3	22.8	24.7	25.1	25.1	24.7	22.8	20.3	17.2	13.5	9.2	5.1	1.6	278.9	278.9
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	4.5	7.7	10.6	12.6	13.8	14.5	14.8	14.2	14.1	14.8	14.5	13.8	12.6	10.6	7.8	4.6	1.5	188.6	188.6
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	4.5	7.7	10.6	12.6	13.8	14.5	14.8	14.2	14.1	14.8	14.5	13.8	12.6	10.6	7.8	4.6	1.5	188.6	188.6
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	4.0	6.4	8.1	8.7	8.6	7.8	6.7	5.0	5.0	6.6	7.8	8.5	8.7	8.1	6.5	4.1	1.4	113.5	92.4
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	4.0	6.4	8.1	8.7	8.6	7.8	6.7	5.0	5.0	6.6	7.8	8.5	8.7	8.1	6.5	4.1	1.4	113.5	92.4
29.2	105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	1.4	4.0	6.4	8.1	8.7	8.6	7.8	6.7	5.0	5.0	6.6	7.8	8.5	8.7	8.1	6.5	4.1	1.4	113.5
105.3208.0331.4462.3588.5696.6776.2812.6814.1780.4703.2596.9471.1339.3213.9108.7	8026	1.4	4.0	6.4	8.1	8.7	8.6	7.8	6.7	5.0	5.0	6.6	7.8	8.5	8.7	8.1	6.5	4.1	1.4	113.5

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: 9.010 m
Humidity:
Inspector:

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: 9.010 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	22.5	23.9	22.9	24.3	24.6	22.4	23.7	22.8	24.1	24.5
3H	24.3	25.5	24.7	25.9	26.3	23.8	25.1	24.3	25.5	25.9
4H	25.1	26.3	25.5	26.7	27.1	24.4	25.6	24.9	26.0	26.5
6H	25.8	26.9	26.3	27.4	27.8	24.9	26.0	25.4	26.4	26.9
8H	26.2	27.3	26.7	27.7	28.2	25.0	26.1	25.5	26.5	27.0
12H	26.5	27.5	27.0	28.0	28.5	25.1	26.2	25.6	26.6	27.1
X=4H Y=2H	23.1	24.3	23.6	24.7	25.1	23.0	24.1	23.4	24.6	25.0
3H	25.0	26.1	25.5	26.5	27.0	24.6	25.6	25.1	26.1	26.6
4H	26.0	26.9	26.5	27.4	27.9	25.3	26.3	25.8	26.7	27.3
6H	26.9	27.8	27.5	28.3	28.8	25.9	26.7	26.4	27.2	27.8
8H	27.4	28.1	27.9	28.7	29.2	26.1	26.9	26.7	27.4	28.0
12H	27.8	28.5	28.4	29.0	29.6	26.3	27.0	26.9	27.5	28.1
X=8H Y=4H	26.3	27.1	26.8	27.6	28.1	25.7	26.4	26.2	27.0	27.5
6H	27.4	28.0	28.0	28.6	29.2	26.4	27.1	27.0	27.6	28.2
8H	28.0	28.6	28.6	29.1	29.8	26.8	27.3	27.3	27.9	28.5
12H	28.6	29.1	29.2	29.6	30.3	27.0	27.5	27.6	28.1	28.7
X=12H Y=4H	26.3	27.0	26.9	27.5	28.1	25.8	26.4	26.3	27.0	27.6
6H	27.5	28.1	28.1	28.6	29.3	26.6	27.1	27.2	27.7	28.3
8H	28.1	28.6	28.7	29.2	29.9	27.0	27.4	27.6	28.0	28.7
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.1				
S=1.5H	+0.4/-0.4					+0.3/-0.4				
S=2.0H	+0.5/-0.8					+0.5/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 8644lm ($8\log(F/F_0) = 7.5$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

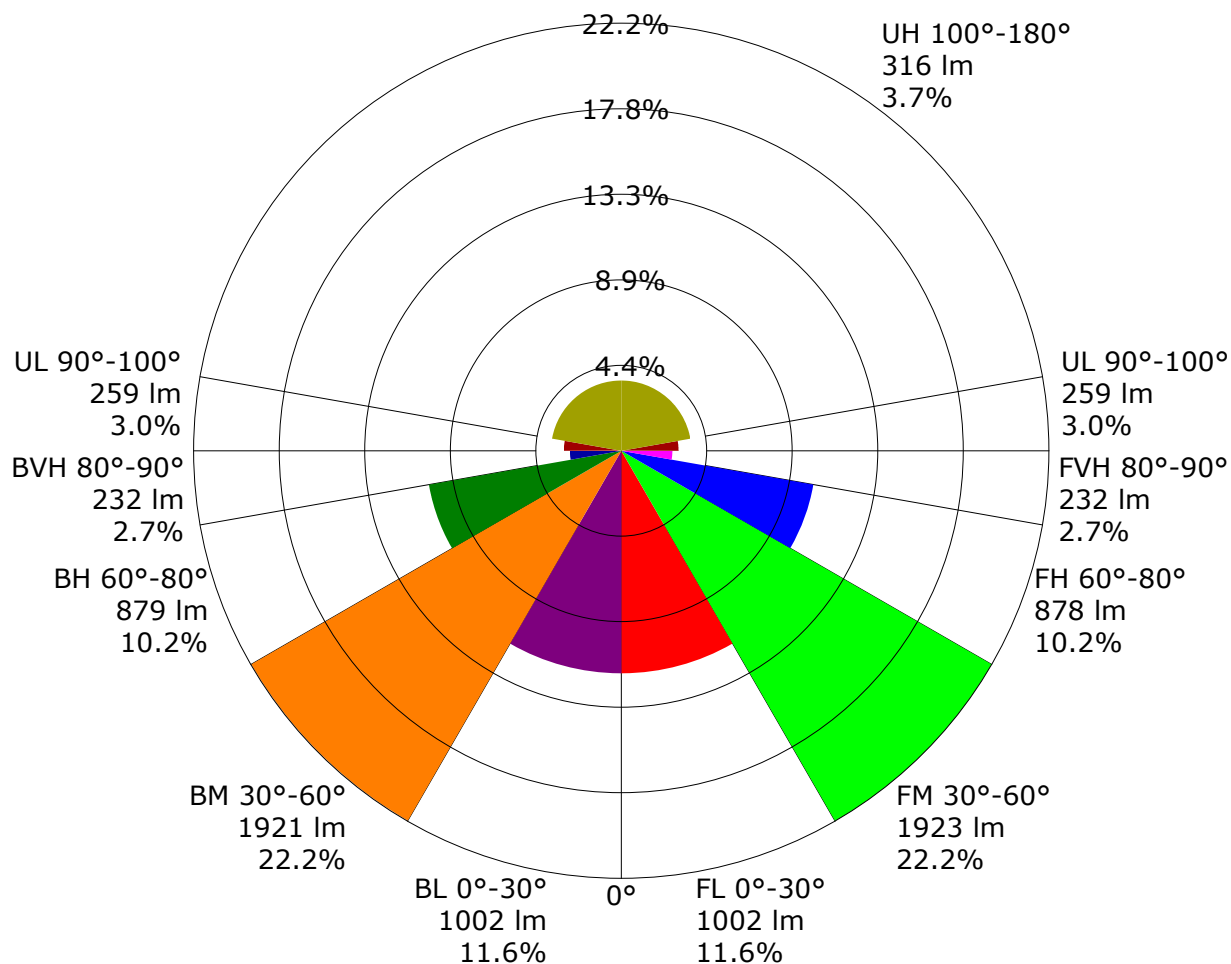
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	4035	46.7
	FL (0°-30°)	1002	11.6
	FM (30°-60°)	1923	22.2
	FH (60°-80°)	878	10.2
	FVH (80°-90°)	232	2.7
	BACK LIGHT	4034	46.7
	BL (0°-30°)	1002	11.6
	BM (30°-60°)	1921	22.2
	BH (60°-80°)	879	10.2
	BVH (80°-90°)	232	2.7
	UP LIGHT	575	6.7
	UL (90°-100°)	259	3.0
	UH (100°-180°)	316	3.7
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U5 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: 9.010 m
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 = 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	0.52	0.62	0.69	0.74	0.82	0.87	0.90	0.95	0.98	
	0.30		0.44	0.54	0.61	0.67	0.75	0.80	0.85	0.90	0.94	
	0.20		0.38	0.48	0.55	0.61	0.69	0.75	0.80	0.86	0.90	
0.50	0.50	0.20	0.50	0.59	0.66	0.71	0.77	0.82	0.85	0.90	0.93	
	0.30		0.43	0.52	0.59	0.64	0.72	0.77	0.81	0.86	0.89	
	0.20		0.38	0.47	0.54	0.59	0.67	0.72	0.77	0.82	0.86	
0.30	0.50	0.20	0.48	0.57	0.63	0.67	0.74	0.78	0.81	0.85	0.88	
	0.30		0.42	0.51	0.57	0.62	0.69	0.74	0.77	0.82	0.85	
	0.20		0.37	0.46	0.52	0.57	0.65	0.70	0.74	0.79	0.82	
0.00	0.00	0.00	0.34	0.42	0.49	0.53	0.60	0.65	0.68	0.73	0.76	
Rating:64W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	1.03	0.86	0.75	0.66	0.53	0.45	0.39	0.31	0.26	
	0.30		0.86	0.74	0.65	0.58	0.48	0.41	0.36	0.29	0.25	
	0.20		0.74	0.64	0.58	0.52	0.44	0.38	0.34	0.28	0.23	
0.50	0.50	0.20	0.98	0.82	0.71	0.62	0.51	0.46	0.37	0.29	0.24	
	0.30		0.83	0.71	0.62	0.56	0.46	0.40	0.35	0.28	0.23	
	0.20		0.72	0.63	0.56	0.51	0.43	0.37	0.33	0.26	0.22	
0.30	0.50	0.20	0.94	0.78	0.67	0.59	0.48	0.40	0.35	0.28	0.23	
	0.30		0.80	0.69	0.60	0.54	0.44	0.38	0.33	0.27	0.22	
	0.20		0.70	0.61	0.54	0.49	0.41	0.35	0.31	0.25	0.21	
0.00	0.00	0.00	0.60	0.51	0.45	0.40	0.34	0.29	0.25	0.20	0.17	
Rating:64W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.28	0.28	
	0.30		0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.25	0.25	
	0.20		0.11	0.12	0.14	0.15	0.17	0.18	0.20	0.21	0.22	
0.50	0.50	0.20	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.27	0.27	
	0.30		0.16	0.17	0.18	0.19	0.21	0.22	0.23	0.24	0.24	
	0.20		0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22	
0.30	0.50	0.20	0.22	0.23	0.23	0.24	0.25	0.25	0.25	0.26	0.26	
	0.30		0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	
	0.20		0.11	0.12	0.13	0.14	0.16	0.18	0.19	0.20	0.21	
0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
Rating:64W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2586.9	2.5	2.5	0.03	0.03
1.0-2.0	2586.1	7.4	9.9	0.09	0.11
2.0-3.0	2584.1	12.4	22.3	0.14	0.26
3.0-4.0	2581.1	17.3	39.5	0.20	0.46
4.0-5.0	2577.4	22.2	61.7	0.26	0.71
5.0-6.0	2572.6	27.0	88.8	0.31	1.03
6.0-7.0	2567.0	31.9	120.6	0.37	1.40
7.0-8.0	2560.3	36.6	157.3	0.42	1.82
8.0-9.0	2552.6	41.4	198.6	0.48	2.30
9.0-10.0	2544.3	46.1	244.7	0.53	2.83
10.0-11.0	2534.7	50.7	295.3	0.59	3.42
11.0-12.0	2524.3	55.2	350.5	0.64	4.06
12.0-13.0	2513.5	59.7	410.2	0.69	4.75
13.0-14.0	2501.1	64.0	474.2	0.74	5.49
14.0-15.0	2487.9	68.3	542.5	0.79	6.28
15.0-16.0	2473.7	72.5	615.0	0.84	7.12
16.0-17.0	2458.6	76.6	691.6	0.89	8.00
17.0-18.0	2443.4	80.6	772.2	0.93	8.93
18.0-19.0	2426.5	84.4	856.6	0.98	9.91
19.0-20.0	2408.8	88.2	944.8	1.02	10.93
20.0-21.0	2391.2	91.8	1036.6	1.06	11.99
21.0-22.0	2371.8	95.3	1131.9	1.10	13.10
22.0-23.0	2351.9	98.7	1230.6	1.14	14.24
23.0-24.0	2330.9	101.9	1332.6	1.18	15.42
24.0-25.0	2309.1	105.0	1437.6	1.21	16.63
25.0-26.0	2287.7	108.0	1545.6	1.25	17.88
26.0-27.0	2264.4	110.8	1656.4	1.28	19.16
27.0-28.0	2240.5	113.4	1769.8	1.31	20.48
28.0-29.0	2217.0	116.0	1885.8	1.34	21.82
29.0-30.0	2191.5	118.3	2004.2	1.37	23.19
30.0-31.0	2165.4	120.5	2124.7	1.39	24.58
31.0-32.0	2138.9	122.6	2247.2	1.42	26.00
32.0-33.0	2111.5	124.4	2371.6	1.44	27.44
33.0-34.0	2084.5	126.2	2497.8	1.46	28.90
34.0-35.0	2055.5	127.7	2625.5	1.48	30.37
35.0-36.0	2026.2	129.0	2754.5	1.49	31.87

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: 9.010 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1997.2	130.3	2884.8	1.51	33.37
37.0-38.0	1966.8	131.3	3016.1	1.52	34.89
38.0-39.0	1936.7	132.2	3148.3	1.53	36.42
39.0-40.0	1905.3	132.9	3281.2	1.54	37.96
40.0-41.0	1873.2	133.4	3414.6	1.54	39.50
41.0-42.0	1842.5	133.9	3548.5	1.55	41.05
42.0-43.0	1809.7	134.1	3682.6	1.55	42.60
43.0-44.0	1776.6	134.1	3816.7	1.55	44.16
44.0-45.0	1743.7	134.0	3950.7	1.55	45.71
45.0-46.0	1709.7	133.7	4084.4	1.55	47.25
46.0-47.0	1676.2	133.3	4217.7	1.54	48.80
47.0-48.0	1641.7	132.7	4350.5	1.54	50.33
48.0-49.0	1606.9	132.0	4482.5	1.53	51.86
49.0-50.0	1573.3	131.2	4613.6	1.52	53.38
50.0-51.0	1538.0	130.1	4743.8	1.51	54.88
51.0-52.0	1502.7	129.0	4872.7	1.49	56.37
52.0-53.0	1467.9	127.7	5000.5	1.48	57.85
53.0-54.0	1432.3	126.3	5126.7	1.46	59.31
54.0-55.0	1397.5	124.8	5251.5	1.44	60.76
55.0-56.0	1361.8	123.1	5374.5	1.42	62.18
56.0-57.0	1326.1	121.3	5495.8	1.40	63.58
57.0-58.0	1291.5	119.4	5615.3	1.38	64.96
58.0-59.0	1255.4	117.4	5732.6	1.36	66.32
59.0-60.0	1219.6	115.2	5847.9	1.33	67.66
60.0-61.0	1183.7	113.0	5960.8	1.31	68.96
61.0-62.0	1148.2	110.7	6071.5	1.28	70.24
62.0-63.0	1114.2	108.4	6179.9	1.25	71.50
63.0-64.0	1078.8	105.9	6285.8	1.22	72.72
64.0-65.0	1043.6	103.3	6389.1	1.20	73.92
65.0-66.0	1010.1	100.8	6489.9	1.17	75.08
66.0-67.0	975.5	98.1	6588.0	1.13	76.22
67.0-68.0	941.2	95.4	6683.3	1.10	77.32
68.0-69.0	907.4	92.6	6775.9	1.07	78.39
69.0-70.0	873.4	89.7	6865.6	1.04	79.43
70.0-71.0	841.3	87.0	6952.6	1.01	80.44
71.0-72.0	808.6	84.1	7036.7	0.97	81.41

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: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	776.1	81.2	7117.8	0.94	82.35
73.0-74.0	745.3	78.4	7196.2	0.91	83.25
74.0-75.0	713.7	75.4	7271.6	0.87	84.13
75.0-76.0	682.7	72.5	7344.1	0.84	84.97
76.0-77.0	652.3	69.6	7413.7	0.80	85.77
77.0-78.0	622.4	66.6	7480.3	0.77	86.54
78.0-79.0	594.3	63.9	7544.2	0.74	87.28
79.0-80.0	565.7	61.0	7605.1	0.71	87.99
80.0-81.0	537.7	58.2	7663.3	0.67	88.66
81.0-82.0	511.0	55.4	7718.7	0.64	89.30
82.0-83.0	484.4	52.7	7771.4	0.61	89.91
83.0-84.0	459.2	50.0	7821.4	0.58	90.49
84.0-85.0	433.9	47.4	7868.8	0.55	91.04
85.0-86.0	409.6	44.8	7913.6	0.52	91.55
86.0-87.0	387.0	42.4	7955.9	0.49	92.04
87.0-88.0	364.2	39.9	7995.8	0.46	92.51
88.0-89.0	342.3	37.5	8033.4	0.43	92.94
89.0-90.0	322.4	35.3	8068.7	0.41	93.35
90.0-91.0	304.2	33.4	8102.1	0.39	93.73
91.0-92.0	287.8	31.5	8133.6	0.36	94.10
92.0-93.0	271.4	29.7	8163.3	0.34	94.44
93.0-94.0	255.6	28.0	8191.3	0.32	94.77
94.0-95.0	241.2	26.4	8217.7	0.31	95.07
95.0-96.0	227.0	24.8	8242.5	0.29	95.36
96.0-97.0	213.7	23.3	8265.8	0.27	95.63
97.0-98.0	201.4	21.9	8287.6	0.25	95.88
98.0-99.0	189.4	20.5	8308.2	0.24	96.12
99.0-100.0	178.5	19.3	8327.5	0.22	96.34
100.0-101.0	168.2	18.1	8345.6	0.21	96.55
101.0-102.0	158.2	17.0	8362.6	0.20	96.75
102.0-103.0	149.3	16.0	8378.6	0.18	96.93
103.0-104.0	140.6	15.0	8393.6	0.17	97.11
104.0-105.0	132.2	14.0	8407.6	0.16	97.27
105.0-106.0	124.4	13.1	8420.8	0.15	97.42
106.0-107.0	117.2	12.3	8433.1	0.14	97.56
107.0-108.0	110.5	11.6	8444.7	0.13	97.70

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: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	103.6	10.8	8455.4	0.12	97.82
109.0-110.0	96.8	10.0	8465.4	0.12	97.94
110.0-111.0	90.6	9.3	8474.8	0.11	98.05
111.0-112.0	84.7	8.6	8483.4	0.10	98.15
112.0-113.0	79.2	8.0	8491.4	0.09	98.24
113.0-114.0	73.9	7.4	8498.9	0.09	98.33
114.0-115.0	69.3	6.9	8505.8	0.08	98.41
115.0-116.0	65.4	6.5	8512.2	0.07	98.48
116.0-117.0	61.4	6.0	8518.3	0.07	98.55
117.0-118.0	57.6	5.6	8523.9	0.06	98.61
118.0-119.0	54.4	5.2	8529.1	0.06	98.68
119.0-120.0	51.1	4.9	8534.0	0.06	98.73
120.0-121.0	48.1	4.5	8538.5	0.05	98.78
121.0-122.0	45.2	4.2	8542.8	0.05	98.83
122.0-123.0	42.4	3.9	8546.7	0.05	98.88
123.0-124.0	40.0	3.7	8550.3	0.04	98.92
124.0-125.0	37.7	3.4	8553.7	0.04	98.96
125.0-126.0	35.5	3.2	8556.9	0.04	99.00
126.0-127.0	33.7	3.0	8559.9	0.03	99.03
127.0-128.0	32.4	2.8	8562.7	0.03	99.06
128.0-129.0	31.6	2.7	8565.4	0.03	99.10
129.0-130.0	31.0	2.6	8568.0	0.03	99.13
130.0-131.0	30.6	2.6	8570.6	0.03	99.15
131.0-132.0	30.5	2.5	8573.1	0.03	99.18
132.0-133.0	30.7	2.5	8575.6	0.03	99.21
133.0-134.0	30.9	2.5	8578.0	0.03	99.24
134.0-135.0	31.1	2.4	8580.5	0.03	99.27
135.0-136.0	31.3	2.4	8582.9	0.03	99.30
136.0-137.0	31.5	2.4	8585.3	0.03	99.32
137.0-138.0	31.7	2.4	8587.6	0.03	99.35
138.0-139.0	31.9	2.3	8589.9	0.03	99.38
139.0-140.0	32.1	2.3	8592.2	0.03	99.41
140.0-141.0	32.3	2.3	8594.5	0.03	99.43
141.0-142.0	32.6	2.2	8596.7	0.03	99.46
142.0-143.0	32.8	2.2	8598.9	0.03	99.48
143.0-144.0	33.0	2.1	8601.0	0.02	99.51

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: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	33.2	2.1	8603.1	0.02	99.53
145.0-146.0	33.4	2.1	8605.2	0.02	99.56
146.0-147.0	33.6	2.0	8607.2	0.02	99.58
147.0-148.0	33.8	2.0	8609.2	0.02	99.60
148.0-149.0	34.0	1.9	8611.2	0.02	99.62
149.0-150.0	34.2	1.9	8613.1	0.02	99.65
150.0-151.0	34.4	1.9	8615.0	0.02	99.67
151.0-152.0	34.6	1.8	8616.8	0.02	99.69
152.0-153.0	34.8	1.8	8618.5	0.02	99.71
153.0-154.0	35.0	1.7	8620.2	0.02	99.73
154.0-155.0	35.2	1.7	8621.9	0.02	99.75
155.0-156.0	35.4	1.6	8623.5	0.02	99.77
156.0-157.0	35.6	1.6	8625.1	0.02	99.79
157.0-158.0	35.8	1.5	8626.6	0.02	99.80
158.0-159.0	35.9	1.4	8628.0	0.02	99.82
159.0-160.0	36.1	1.4	8629.4	0.02	99.84
160.0-161.0	36.3	1.3	8630.7	0.02	99.85
161.0-162.0	36.5	1.3	8632.0	0.01	99.87
162.0-163.0	36.7	1.2	8633.2	0.01	99.88
163.0-164.0	36.9	1.1	8634.4	0.01	99.89
164.0-165.0	37.1	1.1	8635.4	0.01	99.91
165.0-166.0	37.2	1.0	8636.5	0.01	99.92
166.0-167.0	37.4	1.0	8637.4	0.01	99.93
167.0-168.0	37.6	0.9	8638.3	0.01	99.94
168.0-169.0	37.8	0.8	8639.1	0.01	99.95
169.0-170.0	38.1	0.8	8639.9	0.01	99.96
170.0-171.0	38.3	0.7	8640.6	0.01	99.96
171.0-172.0	38.5	0.6	8641.2	0.01	99.97
172.0-173.0	38.7	0.6	8641.8	0.01	99.98
173.0-174.0	38.9	0.5	8642.3	0.01	99.98
174.0-175.0	39.2	0.4	8642.7	0.00	99.99
175.0-176.0	39.6	0.3	8643.0	0.00	99.99
176.0-177.0	39.8	0.3	8643.3	0.00	100.00
177.0-178.0	40.1	0.2	8643.5	0.00	100.00
178.0-179.0	40.4	0.1	8643.6	0.00	100.00
179.0-180.0	40.6	0.0	8643.6	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: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 3950.69 lm

%lum = 45.7%

%lamp = 45.7%

cone flux(120°): 5847.88 lm

%lum = 67.7%

%lamp = 67.7%

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	2628.6	2604.8	2589.7	2576.8	2566.3	2556.7	2628.6	2604.8	2589.7	2576.8
G1.0	2628.6	2604.6	2588.9	2576.8	2565.6	2556.1	2628.5	2604.3	2588.5	2576.3
G2.0	2628.1	2604.0	2587.4	2575.5	2564.1	2554.8	2626.7	2602.6	2587.3	2575.3
G3.0	2625.9	2601.7	2585.6	2571.6	2560.9	2552.3	2624.2	2599.7	2583.9	2571.7
G4.0	2624.0	2599.2	2581.8	2567.9	2557.5	2549.4	2621.1	2596.7	2580.4	2567.9
G5.0	2620.6	2595.6	2576.9	2562.9	2552.8	2545.4	2617.4	2592.6	2575.3	2562.7
G6.0	2616.7	2591.1	2571.6	2556.6	2546.6	2540.4	2612.3	2587.4	2569.4	2556.2
G7.0	2612.0	2586.1	2565.1	2550.0	2540.3	2535.1	2606.9	2581.6	2562.8	2549.8
G8.0	2606.5	2580.3	2557.4	2541.1	2532.2	2528.7	2599.9	2574.4	2553.9	2540.4
G9.0	2599.9	2573.4	2548.9	2531.2	2522.9	2521.0	2592.8	2567.5	2545.6	2531.4
G10.0	2592.9	2565.5	2539.5	2521.3	2512.9	2513.2	2585.4	2559.5	2535.8	2521.4
G11.0	2584.4	2556.1	2528.9	2508.5	2501.6	2503.5	2576.3	2549.7	2524.1	2508.4
G12.0	2576.4	2547.1	2516.9	2496.4	2490.2	2494.2	2567.1	2540.3	2512.5	2496.3
G13.0	2567.3	2537.4	2504.9	2482.2	2477.7	2484.3	2557.6	2529.3	2500.7	2482.9
G14.0	2556.6	2525.6	2490.3	2466.4	2463.1	2471.8	2545.4	2517.0	2485.4	2466.9
G15.0	2546.2	2513.7	2476.2	2450.5	2448.4	2460.4	2534.5	2505.2	2471.4	2451.4
G16.0	2533.6	2500.4	2460.0	2433.2	2432.0	2446.2	2520.8	2490.6	2454.9	2432.6
G17.0	2521.6	2487.0	2443.5	2415.0	2415.3	2432.8	2508.4	2477.1	2437.9	2415.8
G18.0	2508.6	2473.6	2427.1	2397.3	2398.4	2418.4	2495.0	2462.3	2420.9	2397.7
G19.0	2493.8	2457.5	2407.4	2375.3	2378.3	2402.2	2478.8	2444.9	2400.2	2375.9
G20.0	2480.0	2441.6	2389.4	2354.9	2359.8	2386.5	2464.6	2429.3	2381.6	2356.3
G21.0	2465.6	2425.4	2368.8	2334.5	2340.5	2369.6	2449.2	2412.2	2361.4	2334.6
G22.0	2448.0	2407.4	2347.4	2310.0	2317.5	2350.8	2430.9	2393.4	2339.1	2311.2
G23.0	2432.2	2388.5	2326.5	2287.2	2296.8	2333.2	2414.5	2375.2	2318.8	2288.0
G24.0	2413.4	2369.3	2302.1	2261.4	2272.9	2312.2	2395.4	2353.4	2293.5	2261.5
G25.0	2396.1	2349.3	2279.6	2237.1	2249.4	2292.5	2376.6	2333.9	2270.8	2237.6
G26.0	2377.8	2329.9	2256.8	2210.7	2226.7	2272.5	2357.6	2313.7	2247.9	2212.7
G27.0	2357.2	2307.1	2229.6	2182.5	2199.2	2250.3	2336.2	2289.8	2221.4	2183.5
G28.0	2338.5	2286.1	2204.9	2155.9	2174.5	2228.2	2316.0	2268.5	2195.0	2157.3
G29.0	2318.6	2264.5	2178.6	2127.7	2149.2	2206.5	2295.3	2245.4	2169.8	2130.4
G30.0	2295.5	2239.9	2150.1	2096.8	2119.4	2181.1	2271.4	2220.1	2140.5	2098.3
G31.0	2273.7	2217.2	2122.8	2069.1	2092.6	2158.0	2249.6	2197.0	2113.5	2070.0
G32.0	2250.0	2190.8	2092.7	2035.7	2061.6	2132.2	2225.4	2170.8	2083.4	2038.7
G33.0	2228.2	2166.8	2065.1	2006.0	2033.7	2107.0	2201.4	2145.4	2054.3	2007.7
G34.0	2205.1	2141.4	2035.8	1974.7	2003.8	2082.4	2176.9	2118.8	2024.4	1975.8
G35.0	2179.6	2114.1	2004.3	1940.5	1972.2	2053.6	2149.6	2089.1	1991.7	1940.4
G36.0	2154.8	2087.7	1973.3	1907.6	1941.3	2028.2	2124.4	2063.2	1961.2	1908.8

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: 9.010 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	2130.6	2061.6	1942.0	1875.9	1911.5	2001.0	2096.9	2034.3	1928.1	1873.9
G38.0	2102.1	2031.4	1908.4	1838.7	1876.4	1971.9	2070.2	2006.0	1895.5	1840.3
G39.0	2076.3	2004.9	1877.5	1806.5	1845.5	1943.4	2043.8	1978.3	1864.6	1807.7
G40.0	2046.3	1973.1	1841.7	1768.2	1809.6	1913.6	2013.5	1946.3	1828.8	1769.6
G41.0	2020.1	1945.0	1808.3	1734.1	1777.9	1884.3	1986.4	1917.5	1796.7	1736.0
G42.0	1991.9	1915.6	1776.2	1698.2	1744.1	1856.0	1958.8	1887.1	1764.2	1702.2
G43.0	1962.1	1884.2	1740.5	1660.7	1708.5	1823.2	1927.2	1855.1	1726.7	1662.5
G44.0	1933.2	1853.8	1705.9	1624.0	1673.9	1792.7	1898.7	1825.3	1693.3	1627.6
G45.0	1903.7	1824.0	1671.1	1587.0	1640.6	1763.2	1867.0	1790.9	1656.9	1589.1
G46.0	1872.3	1789.9	1634.5	1548.4	1602.4	1729.2	1836.4	1760.8	1621.5	1552.0
G47.0	1843.2	1759.7	1600.3	1512.8	1568.4	1699.0	1807.1	1728.6	1585.6	1514.5
G48.0	1809.9	1725.1	1561.8	1471.8	1529.5	1665.4	1773.2	1694.6	1548.7	1475.5
G49.0	1780.1	1694.1	1527.5	1435.6	1495.3	1633.0	1742.3	1662.0	1514.0	1437.3
G50.0	1749.3	1661.1	1491.4	1397.3	1459.4	1600.8	1712.5	1630.4	1478.0	1401.4
G51.0	1715.3	1627.1	1452.1	1355.7	1421.6	1566.8	1679.4	1594.3	1440.1	1361.1
G52.0	1685.2	1593.6	1417.7	1319.0	1385.7	1534.2	1647.8	1562.8	1403.7	1323.1
G53.0	1653.9	1561.6	1381.6	1280.4	1349.2	1503.1	1614.4	1527.6	1365.3	1282.7
G54.0	1620.5	1526.3	1343.4	1240.2	1311.5	1467.8	1582.3	1494.6	1328.7	1243.9
G55.0	1588.6	1494.5	1307.2	1201.3	1275.2	1436.6	1551.6	1463.2	1293.6	1206.5
G56.0	1554.9	1458.6	1268.6	1160.7	1237.0	1401.1	1516.5	1426.9	1253.6	1164.2
G57.0	1523.0	1427.2	1231.6	1121.8	1202.1	1369.9	1486.1	1395.4	1218.5	1127.0
G58.0	1490.4	1392.3	1194.9	1082.9	1163.8	1337.3	1453.6	1362.4	1181.7	1088.3
G59.0	1456.7	1357.9	1155.2	1042.4	1125.7	1301.8	1420.2	1327.6	1143.4	1047.2
G60.0	1424.6	1324.8	1120.2	1003.2	1089.5	1269.3	1387.6	1294.4	1106.6	1008.0
G61.0	1389.4	1290.0	1080.4	961.0	1051.8	1235.6	1353.6	1260.2	1068.4	967.4
G62.0	1358.5	1257.5	1045.8	923.8	1015.8	1203.5	1323.0	1227.0	1033.6	930.4
G63.0	1326.0	1226.0	1009.8	885.5	979.8	1172.6	1290.5	1195.6	997.0	891.3
G64.0	1292.4	1189.8	971.7	844.8	942.5	1137.7	1257.2	1161.7	959.5	850.8
G65.0	1260.6	1158.9	935.8	806.5	907.0	1107.2	1225.3	1129.3	923.7	812.5
G66.0	1229.7	1126.5	902.1	770.0	873.6	1075.7	1195.1	1098.4	890.0	775.9
G67.0	1195.0	1091.5	863.9	728.6	836.0	1042.6	1162.4	1063.9	852.2	734.5
G68.0	1164.8	1061.2	831.2	692.6	803.6	1011.5	1131.1	1033.5	819.5	698.4
G69.0	1130.6	1026.5	794.4	652.0	767.3	979.5	1098.5	1000.8	784.1	659.2
G70.0	1099.3	996.7	760.8	615.0	734.1	949.0	1067.7	970.0	750.5	621.9
G71.0	1069.9	965.8	729.3	579.9	703.0	918.9	1038.5	939.1	718.9	586.7
G72.0	1036.3	933.4	693.8	540.5	668.2	887.9	1006.8	907.2	685.0	546.9
G73.0	1007.2	902.9	663.2	506.2	638.1	858.4	976.5	878.8	653.2	512.8

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: 9.010 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	977.3	872.9	631.6	470.9	607.2	830.7	947.3	849.3	621.8	477.5
G75.0	946.0	841.6	599.5	434.9	575.4	799.3	916.4	818.6	589.9	440.8
G76.0	916.8	813.9	569.1	400.8	545.8	772.3	887.8	790.0	560.0	406.9
G77.0	886.7	783.1	538.3	365.8	515.6	742.3	858.2	760.8	529.5	371.5
G78.0	858.1	754.6	509.6	333.1	487.7	716.5	830.0	733.0	501.1	339.0
G79.0	830.0	728.1	481.4	302.7	460.5	689.8	803.5	707.3	474.6	308.4
G80.0	801.1	698.8	453.0	268.7	432.7	661.2	773.8	678.0	445.0	274.2
G81.0	773.5	672.9	426.8	238.4	408.0	636.8	748.1	653.0	420.0	245.3
G82.0	748.0	646.5	402.0	210.3	383.0	611.5	719.5	625.1	392.4	213.1
G83.0	719.1	619.8	375.0	180.6	357.7	585.9	694.9	601.2	369.2	185.7
G84.0	694.4	594.4	352.1	153.0	334.7	561.8	669.6	576.7	345.8	158.1
G85.0	666.8	568.8	326.9	124.2	310.6	537.4	643.7	550.8	322.4	129.0
G86.0	643.1	545.0	305.9	99.8	290.4	514.3	619.3	528.4	300.8	104.4
G87.0	618.6	521.5	284.9	75.7	270.2	492.9	596.2	505.5	281.1	79.6
G88.0	593.7	497.5	263.8	51.7	250.0	469.1	570.7	482.3	259.3	54.9
G89.0	569.9	475.1	244.5	31.0	231.6	448.8	548.9	460.6	241.2	34.2
G90.0	548.1	454.0	226.6	20.3	214.6	427.9	524.1	438.4	221.6	19.8
G91.0	524.5	431.8	207.1	19.1	195.8	406.6	503.0	417.8	205.1	18.6
G92.0	502.3	410.7	190.6	18.0	180.6	386.7	481.7	398.6	188.5	17.5
G93.0	478.1	388.6	172.5	16.7	164.4	366.6	459.3	377.5	172.6	16.5
G94.0	457.6	368.6	157.1	15.6	150.2	348.0	439.3	359.4	158.0	15.7
G95.0	436.4	349.0	142.1	14.6	138.1	331.1	420.3	341.4	145.9	15.0
G96.0	414.8	328.9	129.3	13.9	126.4	312.2	399.2	322.9	133.4	14.3
G97.0	394.6	310.8	118.1	13.1	116.1	296.6	381.4	306.2	123.2	14.0
G98.0	376.1	293.9	108.3	12.6	106.7	281.1	361.8	289.6	112.4	13.6
G99.0	355.3	275.5	97.9	12.3	96.3	266.3	344.8	275.1	104.1	13.5
G100.0	338.1	261.6	89.0	12.2	86.0	252.8	329.8	262.0	95.7	13.5
G101.0	320.0	246.5	80.7	12.4	77.3	239.0	313.5	247.4	87.2	14.0
G102.0	305.6	234.1	72.3	12.9	66.8	226.4	299.4	234.5	80.8	14.2
G103.0	290.9	221.4	65.1	13.3	62.9	214.1	285.2	222.6	74.1	14.6
G104.0	275.5	208.6	58.9	13.7	55.3	201.7	270.6	209.2	67.7	14.9
G105.0	262.5	196.8	54.0	14.0	46.0	190.4	257.2	198.1	61.8	15.3
G106.0	248.0	184.6	48.8	14.5	45.6	178.8	243.5	185.8	55.9	15.8
G107.0	235.7	173.9	44.6	14.9	43.7	168.4	230.7	175.4	50.8	16.2
G108.0	223.1	163.6	40.9	15.4	39.0	159.0	218.9	165.4	45.7	16.7
G109.0	210.4	153.4	36.9	15.9	34.0	148.4	206.2	154.7	40.8	17.2
G110.0	198.5	143.9	32.7	16.3	30.1	139.7	194.9	145.7	36.4	17.7

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: 9.010 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	187.7	135.1	29.1	16.7	27.1	130.9	184.1	137.1	32.7	18.0
G112.0	175.6	125.7	25.8	17.2	24.0	122.0	173.0	127.7	29.1	18.5
G113.0	165.3	117.6	23.3	17.5	22.4	113.0	163.4	119.2	26.4	18.9
G114.0	154.1	108.9	21.5	18.0	22.2	99.6	153.3	107.4	25.0	19.4
G115.0	145.1	101.5	21.5	18.4	22.4	91.4	143.9	99.1	25.0	19.8
G116.0	136.3	93.7	21.8	18.8	22.7	84.2	135.3	91.6	25.1	20.2
G117.0	127.4	83.4	22.1	19.2	23.0	76.6	125.7	84.1	25.4	20.6
G118.0	119.2	76.4	22.5	19.7	23.5	71.6	117.3	77.6	25.6	21.2
G119.0	111.2	70.2	22.7	20.1	23.7	66.1	109.0	71.9	25.8	21.1
G120.0	102.3	63.7	23.1	20.7	24.0	60.3	100.9	65.8	26.2	21.8
G121.0	94.9	58.0	23.5	21.2	24.3	55.2	93.5	60.3	26.4	22.3
G122.0	87.0	52.3	23.9	21.3	24.7	49.6	86.1	54.6	26.6	22.8
G123.0	80.7	47.7	24.2	21.9	25.0	44.5	79.2	49.6	26.9	23.2
G124.0	73.9	42.6	24.5	22.4	25.2	41.0	72.8	45.0	27.1	23.7
G125.0	66.8	39.3	25.0	22.9	25.6	37.0	65.6	41.0	27.5	24.1
G126.0	60.7	35.5	25.2	23.4	25.9	33.8	60.1	37.1	27.6	24.6
G127.0	55.3	32.8	25.5	23.8	26.1	31.2	53.9	34.6	28.0	25.1
G128.0	49.5	31.4	25.8	24.3	26.4	30.7	48.8	34.0	28.2	25.5
G129.0	44.7	31.4	26.1	24.7	26.5	30.9	44.4	34.1	28.4	26.0
G130.0	40.2	31.4	26.5	25.2	26.9	31.0	40.1	34.0	28.6	26.3
G131.0	36.7	31.5	26.8	25.6	27.1	31.6	37.8	34.1	28.9	26.8
G132.0	35.2	31.6	27.0	26.1	27.4	31.8	37.5	34.3	29.2	27.0
G133.0	35.2	31.8	27.4	26.4	27.6	32.2	37.5	34.4	29.4	27.5
G134.0	35.2	32.0	27.6	26.8	28.0	32.2	37.7	34.5	29.7	27.9
G135.0	35.3	32.2	27.9	27.3	28.3	32.4	37.7	34.7	29.9	28.3
G136.0	35.4	32.4	28.2	27.6	28.4	32.5	37.7	34.9	30.1	28.6
G137.0	35.4	32.5	28.5	28.1	28.6	32.7	37.8	35.0	30.4	29.0
G138.0	35.5	32.7	28.7	28.4	28.8	32.9	37.8	35.2	30.6	29.4
G139.0	35.5	32.8	29.0	28.7	29.0	32.9	37.9	35.3	30.8	29.7
G140.0	35.7	33.0	29.4	29.0	29.2	33.1	37.9	35.4	31.0	30.0
G141.0	35.7	33.2	29.7	29.5	29.4	33.2	38.0	35.5	31.2	30.5
G142.0	35.7	33.4	30.0	29.9	29.6	33.4	38.0	35.7	31.5	30.8
G143.0	35.8	33.5	30.3	30.1	29.8	33.5	38.0	35.8	31.7	31.2
G144.0	35.9	33.6	30.6	30.5	30.2	33.5	38.0	35.9	32.0	31.5
G145.0	35.9	33.9	30.9	31.0	30.3	33.6	38.2	36.0	32.3	32.0
G146.0	36.1	34.0	31.2	31.3	30.6	33.9	38.1	36.1	32.7	32.3
G147.0	36.0	34.1	31.6	31.7	31.0	34.0	38.2	36.1	32.9	32.5

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: 9.010 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	36.1	34.2	31.8	32.1	31.4	34.1	38.3	36.3	33.2	33.0
G149.0	36.2	34.4	32.1	32.5	31.7	34.2	38.2	36.3	33.6	33.4
G150.0	36.2	34.5	32.4	32.9	32.0	34.3	38.3	36.3	33.9	33.8
G151.0	36.3	34.7	32.7	33.2	32.3	34.4	38.3	36.4	34.2	34.2
G152.0	36.4	34.8	32.9	33.7	32.6	34.5	38.3	36.4	34.5	34.6
G153.0	36.4	34.9	33.3	34.0	33.0	34.5	38.4	36.5	34.8	35.0
G154.0	36.5	35.0	33.6	34.4	33.3	34.5	38.4	36.5	35.1	35.4
G155.0	36.5	35.2	33.8	34.8	33.7	34.6	38.3	36.4	35.3	35.8
G156.0	36.5	35.3	34.1	35.0	34.0	34.7	38.4	36.5	35.7	36.1
G157.0	36.5	35.4	34.4	35.4	34.2	34.8	38.3	36.6	35.9	36.4
G158.0	36.6	35.5	34.6	35.8	34.6	34.8	38.4	36.6	36.3	36.7
G159.0	36.6	35.7	35.0	36.1	34.9	35.0	38.5	36.7	36.4	37.0
G160.0	36.7	35.8	35.2	36.5	35.0	35.2	38.5	36.9	36.6	37.3
G161.0	36.8	35.9	35.4	36.7	35.2	35.3	38.6	37.1	36.7	37.6
G162.0	36.8	36.1	35.7	37.0	35.4	35.5	38.8	37.2	37.0	37.8
G163.0	37.0	36.3	36.0	37.4	35.7	35.7	38.8	37.4	37.1	38.0
G164.0	37.0	36.4	36.1	37.6	35.9	36.0	38.9	37.5	37.3	38.4
G165.0	37.2	36.6	36.4	37.8	36.2	36.2	38.9	37.8	37.6	38.5
G166.0	37.3	36.7	36.6	38.2	36.3	36.4	39.0	38.0	37.7	38.8
G167.0	37.4	36.9	36.8	38.4	36.6	36.5	39.4	38.2	37.9	39.0
G168.0	37.6	37.0	37.0	38.7	36.9	36.7	39.4	38.4	38.1	39.2
G169.0	37.7	37.2	37.3	38.9	37.2	36.9	39.7	38.5	38.4	39.5
G170.0	37.9	37.5	37.7	39.1	37.5	37.0	39.8	38.8	38.6	39.6
G171.0	38.0	37.6	38.0	39.4	37.8	37.1	39.9	38.8	38.9	39.8
G172.0	38.3	37.7	38.4	39.6	38.0	37.1	40.1	38.9	39.2	40.0
G173.0	38.5	37.9	38.8	39.8	38.4	37.3	40.3	39.0	39.4	40.1
G174.0	38.6	38.3	39.2	40.0	38.6	37.5	40.4	39.1	39.7	40.3
G175.0	39.1	38.8	39.7	40.2	39.1	37.9	40.5	39.4	40.0	40.5
G176.0	39.5	39.2	40.0	40.3	39.4	38.2	40.7	39.8	40.4	40.6
G177.0	39.8	39.7	40.3	40.5	39.7	38.7	40.5	40.2	40.7	40.7
G178.0	40.2	40.3	40.5	40.6	40.0	39.2	40.9	40.7	40.7	40.7
G179.0	41.1	40.5	40.7	40.7	40.0	39.4	41.8	40.9	40.9	40.9
G180.0	41.3	40.6	40.7	40.7	40.1	39.6	41.8	40.9	41.0	40.9

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: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	2566.3	2556.7	2628.6							
G1.0	2565.9	2556.3	2628.6							
G2.0	2564.5	2555.2	2628.1							
G3.0	2561.8	2553.0	2625.9							
G4.0	2558.3	2550.7	2624.0							
G5.0	2554.3	2547.1	2620.6							
G6.0	2548.0	2542.4	2616.7							
G7.0	2541.5	2537.2	2612.0							
G8.0	2533.6	2530.8	2606.5							
G9.0	2525.6	2524.1	2599.9							
G10.0	2516.0	2516.5	2592.9							
G11.0	2504.7	2507.6	2584.4							
G12.0	2493.8	2498.2	2576.4							
G13.0	2481.5	2488.4	2567.3							
G14.0	2467.3	2476.9	2556.6							
G15.0	2453.3	2465.0	2546.2							
G16.0	2436.7	2451.9	2533.6							
G17.0	2420.9	2438.2	2521.6							
G18.0	2403.5	2424.4	2508.6							
G19.0	2384.9	2408.7	2493.8							
G20.0	2366.8	2392.6	2480.0							
G21.0	2346.8	2377.0	2465.6							
G22.0	2325.0	2358.1	2448.0							
G23.0	2304.3	2340.7	2432.2							
G24.0	2279.9	2320.7	2413.4							
G25.0	2257.8	2302.0	2396.1							
G26.0	2234.5	2281.6	2377.8							
G27.0	2207.5	2259.9	2357.2							
G28.0	2183.4	2238.5	2338.5							
G29.0	2157.0	2217.2	2318.6							
G30.0	2128.8	2193.3	2295.5							
G31.0	2102.2	2169.4	2273.7							
G32.0	2071.4	2144.6	2250.0							
G33.0	2043.7	2120.1	2228.2							
G34.0	2014.2	2094.8	2205.1							
G35.0	1981.6	2067.8	2179.6							
G36.0	1951.8	2042.4	2154.8							

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: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1919.2	2013.0	2130.6							
G38.0	1887.7	1987.3	2102.1							
G39.0	1856.8	1959.4	2076.3							
G40.0	1821.1	1929.5	2046.3							
G41.0	1789.5	1900.6	2020.1							
G42.0	1755.9	1872.5	1991.9							
G43.0	1720.7	1839.7	1962.1							
G44.0	1687.6	1810.7	1933.2							
G45.0	1649.6	1778.8	1903.7							
G46.0	1616.2	1747.6	1872.3							
G47.0	1580.9	1717.6	1843.2							
G48.0	1544.3	1683.3	1809.9							
G49.0	1508.4	1652.5	1780.1							
G50.0	1474.1	1620.4	1749.3							
G51.0	1435.2	1586.4	1715.3							
G52.0	1400.6	1555.1	1685.2							
G53.0	1362.6	1519.5	1653.9							
G54.0	1326.4	1488.5	1620.5							
G55.0	1291.6	1456.1	1588.6							
G56.0	1252.0	1422.0	1554.9							
G57.0	1217.3	1389.6	1523.0							
G58.0	1180.6	1358.6	1490.4							
G59.0	1142.5	1323.0	1456.7							
G60.0	1106.1	1291.7	1424.6							
G61.0	1068.0	1256.0	1389.4							
G62.0	1031.8	1225.1	1358.5							
G63.0	997.2	1194.1	1326.0							
G64.0	959.6	1159.2	1292.4							
G65.0	923.9	1128.6	1260.6							
G66.0	890.2	1096.8	1229.7							
G67.0	852.4	1064.0	1195.0							
G68.0	819.6	1033.9	1164.8							
G69.0	784.1	999.9	1130.6							
G70.0	750.7	969.1	1099.3							
G71.0	717.6	939.8	1069.9							
G72.0	683.5	908.4	1036.3							
G73.0	653.1	878.7	1007.2							

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: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	621.7	850.6	977.3							
G75.0	589.5	819.0	946.0							
G76.0	559.7	791.9	916.8							
G77.0	527.6	761.3	886.7							
G78.0	500.2	735.0	858.1							
G79.0	472.2	707.7	830.0							
G80.0	443.5	679.7	801.1							
G81.0	418.5	653.5	773.5							
G82.0	390.6	626.8	748.0							
G83.0	367.1	601.4	719.1							
G84.0	343.4	578.2	694.4							
G85.0	319.7	552.2	666.8							
G86.0	297.8	528.8	643.1							
G87.0	276.8	506.9	618.6							
G88.0	256.1	482.4	593.7							
G89.0	237.6	461.4	569.9							
G90.0	217.5	439.1	548.1							
G91.0	200.8	418.4	524.5							
G92.0	183.6	399.0	502.3							
G93.0	165.9	377.0	478.1							
G94.0	151.2	358.1	457.6							
G95.0	137.5	339.1	436.4							
G96.0	124.3	318.9	414.8							
G97.0	113.4	302.1	394.6							
G98.0	103.1	284.1	376.1							
G99.0	94.0	268.1	355.3							
G100.0	86.2	254.1	338.1							
G101.0	77.1	240.0	320.0							
G102.0	68.6	227.1	305.6							
G103.0	60.7	215.4	290.9							
G104.0	55.3	202.4	275.5							
G105.0	51.6	191.0	262.5							
G106.0	47.3	179.2	248.0							
G107.0	42.8	168.8	235.7							
G108.0	39.6	158.1	223.1							
G109.0	35.5	146.6	210.4							
G110.0	31.5	135.9	198.5							

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: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	28.3	125.6	187.7							
G112.0	25.0	116.3	175.6							
G113.0	23.0	109.6	165.3							
G114.0	22.4	102.8	154.1							
G115.0	22.6	96.6	145.1							
G116.0	22.8	89.6	136.3							
G117.0	23.1	80.6	127.4							
G118.0	23.3	74.0	119.2							
G119.0	23.6	67.7	111.2							
G120.0	23.9	61.4	102.3							
G121.0	24.1	56.0	94.9							
G122.0	24.5	50.7	87.0							
G123.0	24.9	46.1	80.7							
G124.0	25.2	42.7	73.9							
G125.0	25.5	37.7	66.8							
G126.0	25.7	34.5	60.7							
G127.0	26.1	32.0	55.3							
G128.0	26.4	31.6	49.5							
G129.0	26.7	31.7	44.7							
G130.0	26.9	31.8	40.2							
G131.0	27.3	31.8	36.7							
G132.0	27.5	32.1	35.2							
G133.0	27.8	32.2	35.2							
G134.0	28.1	32.3	35.2							
G135.0	28.3	32.5	35.3							
G136.0	28.7	32.7	35.4							
G137.0	29.0	32.9	35.4							
G138.0	29.2	32.9	35.5							
G139.0	29.5	33.2	35.5							
G140.0	29.8	33.3	35.7							
G141.0	30.1	33.5	35.7							
G142.0	30.4	33.6	35.7							
G143.0	30.8	33.8	35.8							
G144.0	31.0	34.0	35.9							
G145.0	31.3	34.1	35.9							
G146.0	31.6	34.2	36.1							
G147.0	32.0	34.3	36.0							

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: 9.010 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	32.2	34.5	36.1							
G149.0	32.5	34.6	36.2							
G150.0	32.7	34.7	36.2							
G151.0	33.0	34.8	36.3							
G152.0	33.4	34.9	36.4							
G153.0	33.5	35.0	36.4							
G154.0	33.9	35.2	36.5							
G155.0	34.1	35.2	36.5							
G156.0	34.3	35.3	36.5							
G157.0	34.6	35.4	36.5							
G158.0	34.9	35.5	36.6							
G159.0	35.0	35.5	36.6							
G160.0	35.3	35.8	36.7							
G161.0	35.5	35.8	36.8							
G162.0	35.8	35.9	36.8							
G163.0	35.9	36.0	37.0							
G164.0	36.1	36.1	37.0							
G165.0	36.3	36.4	37.2							
G166.0	36.5	36.4	37.3							
G167.0	36.7	36.6	37.4							
G168.0	36.8	36.7	37.6							
G169.0	37.3	36.8	37.7							
G170.0	37.6	37.1	37.9							
G171.0	37.9	37.1	38.0							
G172.0	38.3	37.2	38.3							
G173.0	38.7	37.4	38.5							
G174.0	39.0	37.8	38.6							
G175.0	39.4	38.3	39.1							
G176.0	39.7	38.8	39.5							
G177.0	39.9	39.1	39.8							
G178.0	40.1	39.6	40.2							
G179.0	40.2	39.7	41.1							
G180.0	40.2	39.7	41.3							

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: 9.010 m
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	37414.89
L 0-180(75) av	45772.79
L 0-180(85) av	95642.05
L 90-270(65) av	24367.61
L 90-270(75) av	21521.79
L 90-270(85) av	18481.35
L 45(65) av	30908.86
L 45(75) av	34608.54
L 45(85) av	63653.84

Standard: GB/T 29293-2012

Preheating curve

Preheating curve

Max.										
Min.										

Preheat time: 0 h Sample interval:1 s Stable range: 0.00 % Stable time: 00:00:00