

Report No.:

Test Time: 2026-07-04 09:51

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.462 A
 Power Factor: 0.937

Luminaire Description: 151000942-230V
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 229.6 V
 Power: 99.44 W

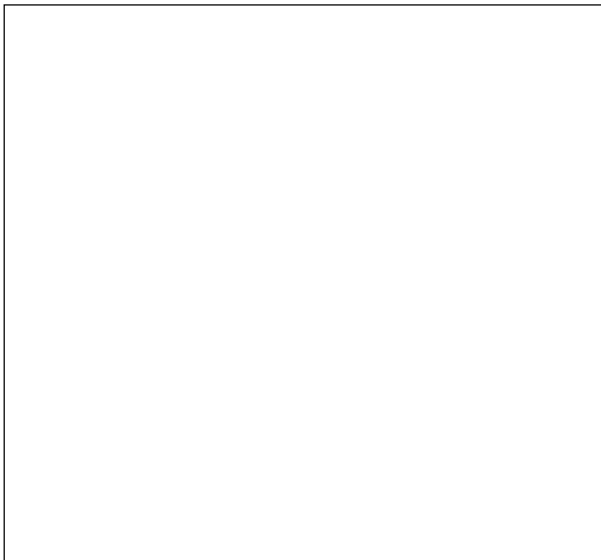
Photometric Results

CIE Class: Direct
 Measurement Flux: 8656 lm
 Downward Ratio: 99%
 Horizontal Diffuse Angle(50%): H111.3
 Vertical Diffuse Angle(50%): V109.4
 Luminaire Efficacy Rating (LER): 87.10
 Max. Intensity: 3254.08 cd
 S/MH(C0/C180): 1.28

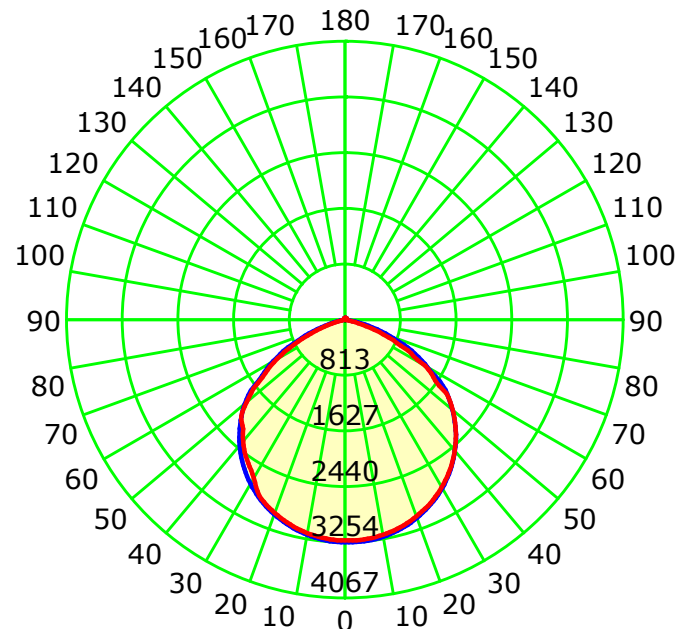
Total Rated Lamp Lumens: 8656.0 lm
 Efficiency: 100%
 Upward Ratio: 1%

C0r0 Intensity: 3252.83 cd
 Pos of Max. Intensity: H0 V1
 S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

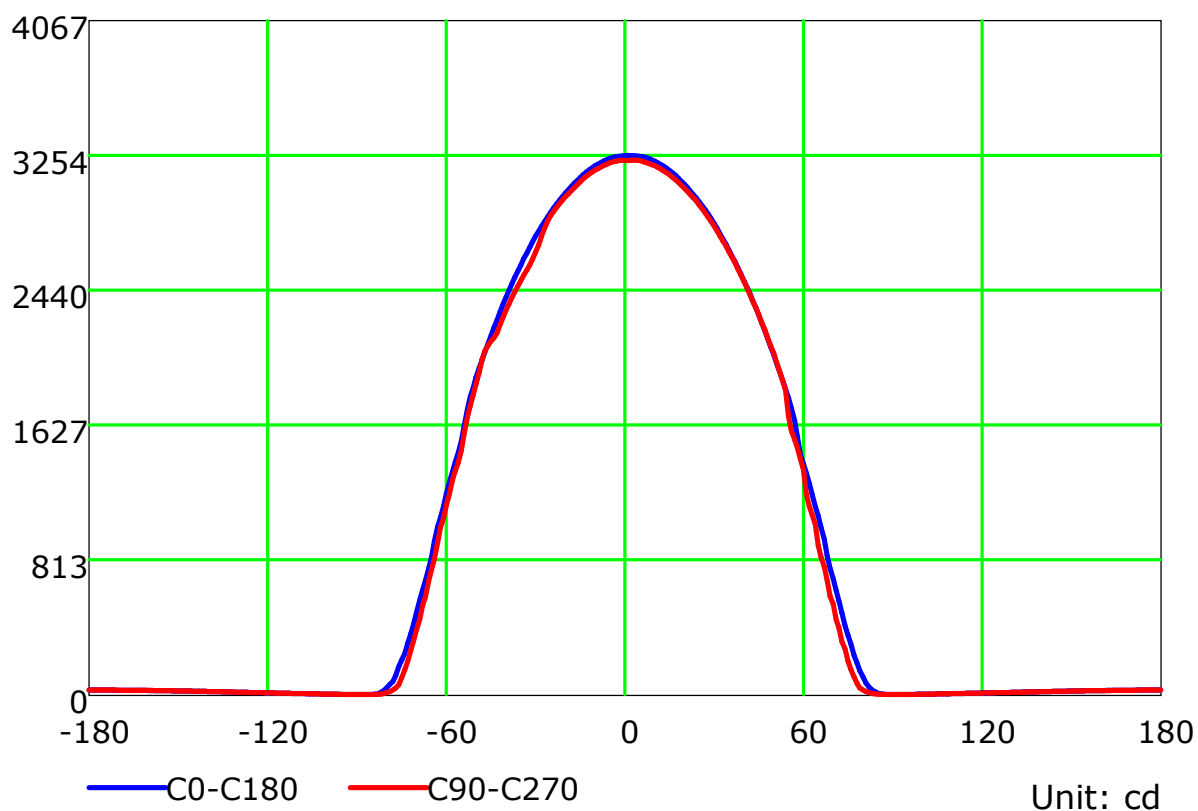
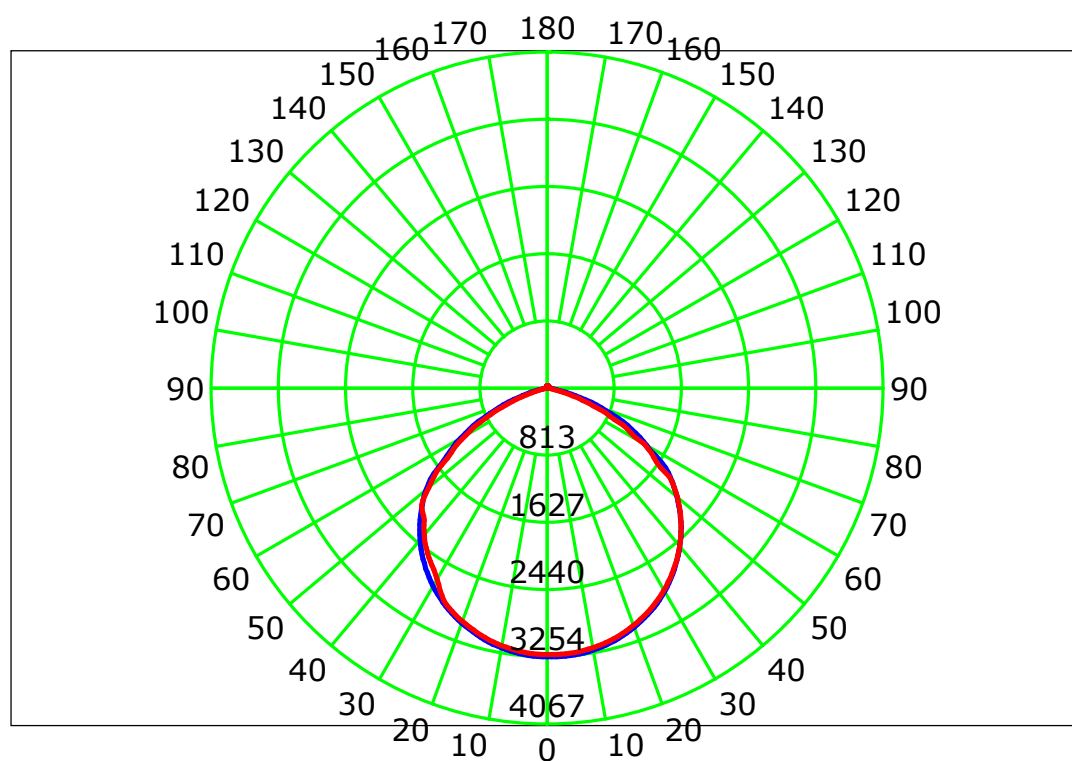
Average Diffuse Angle(50%): 110.3°

— C0-C180 — C90-C270

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

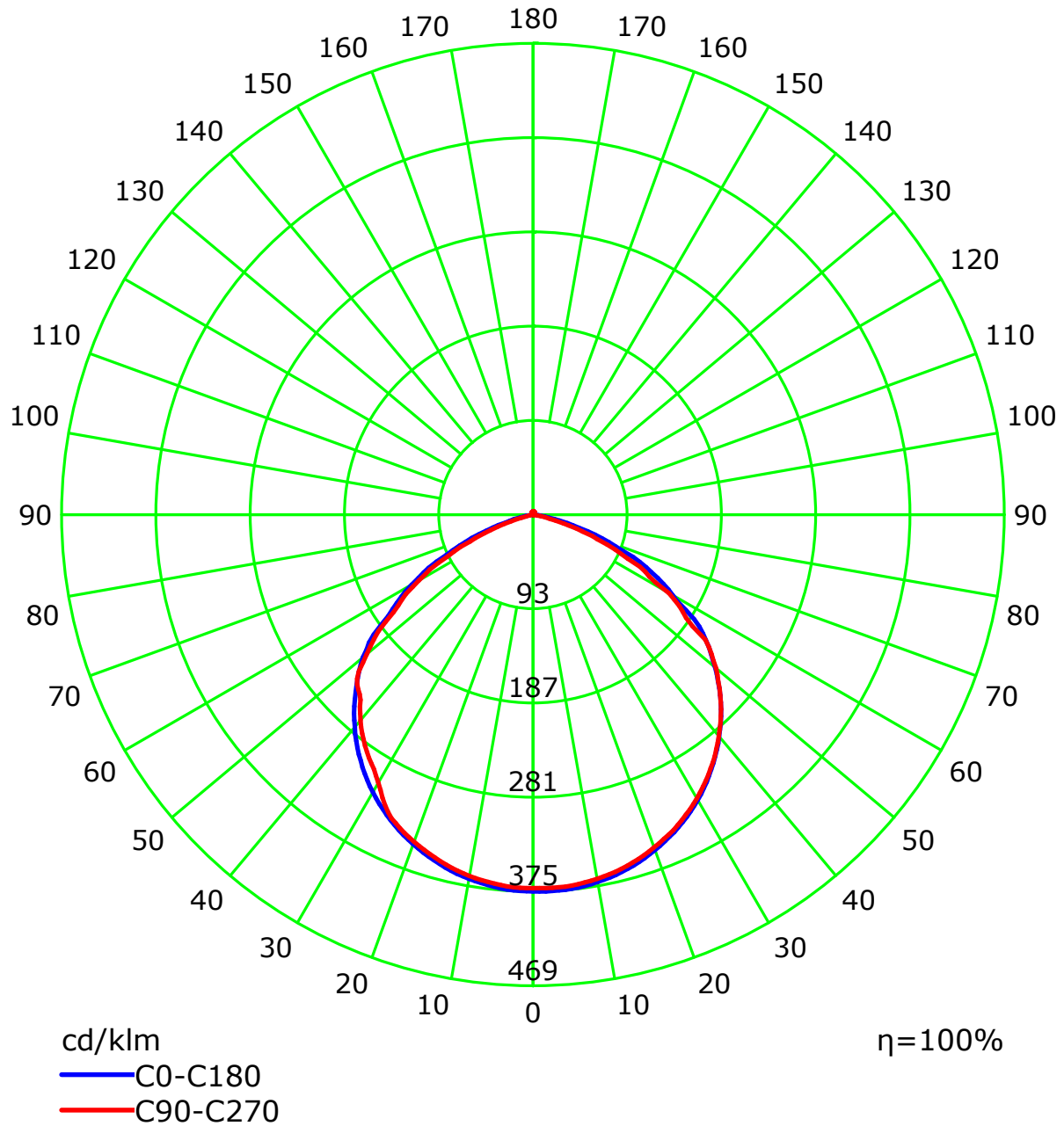
Luminous Intensity Distribution Curve



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 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

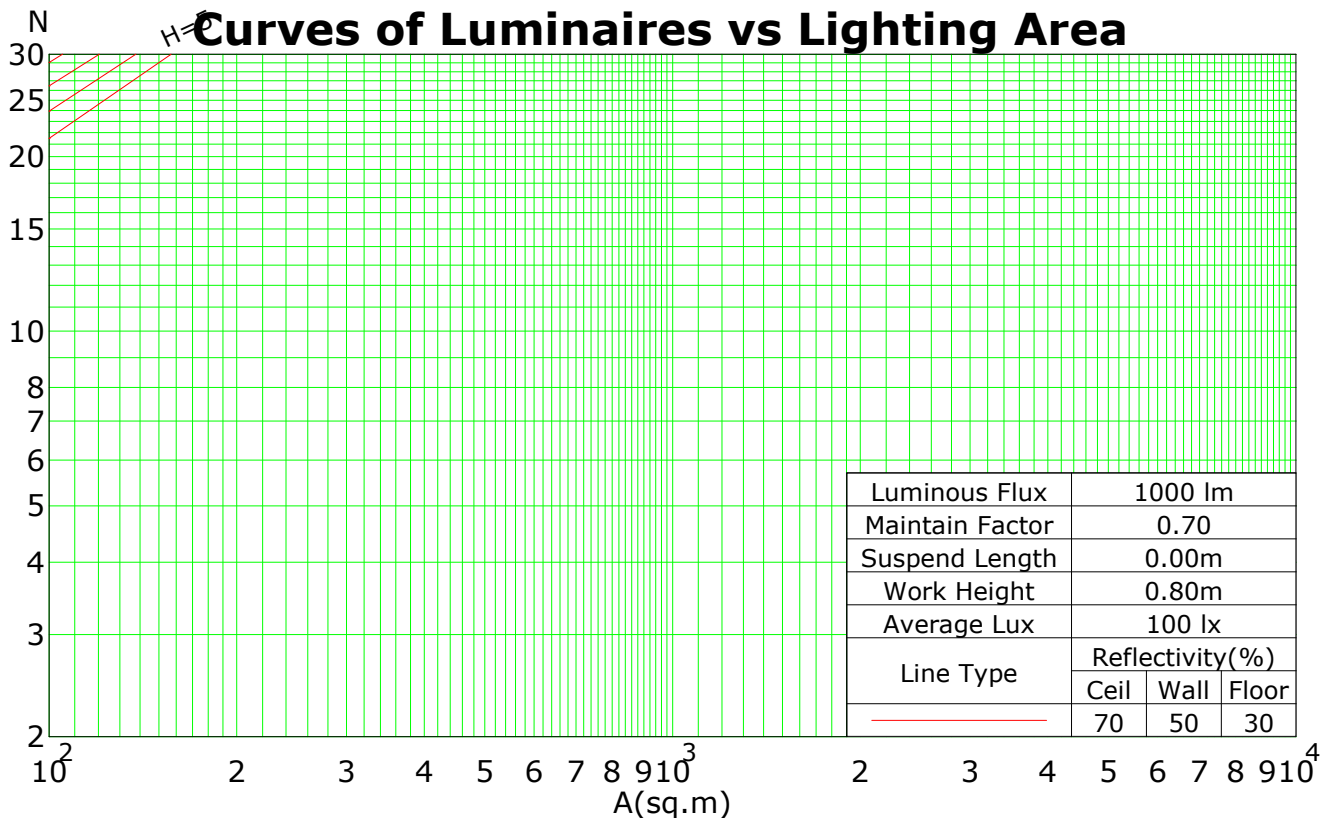
Coefficients Of Utilization - Zonal Cavity Method

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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.10	1.06	1.02	0.99	1.07	1.03	1.00	0.97	0.99	0.96	0.94	0.95	0.93	0.91	0.91	0.90	0.88	0.86
2	1.01	0.93	0.87	0.82	0.98	0.91	0.85	0.81	0.88	0.83	0.79	0.84	0.80	0.77	0.81	0.78	0.75	0.73
3	0.92	0.82	0.75	0.69	0.90	0.81	0.74	0.68	0.78	0.72	0.67	0.75	0.70	0.65	0.72	0.68	0.64	0.62
4	0.84	0.73	0.65	0.58	0.82	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.65	0.60	0.55	0.53
5	0.78	0.65	0.57	0.50	0.76	0.64	0.56	0.50	0.62	0.55	0.49	0.60	0.54	0.49	0.58	0.53	0.48	0.46
6	0.72	0.59	0.50	0.44	0.70	0.58	0.50	0.44	0.56	0.49	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.40
7	0.67	0.53	0.45	0.39	0.65	0.53	0.44	0.39	0.51	0.44	0.38	0.49	0.43	0.38	0.48	0.42	0.38	0.36
8	0.62	0.49	0.40	0.35	0.60	0.48	0.40	0.35	0.47	0.39	0.34	0.45	0.39	0.34	0.44	0.38	0.34	0.32
9	0.58	0.45	0.37	0.31	0.56	0.44	0.36	0.31	0.43	0.36	0.31	0.42	0.35	0.31	0.41	0.35	0.30	0.29
10	0.54	0.41	0.33	0.28	0.53	0.41	0.33	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28	0.26

Spacing Criteria (0-180): 1.28

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.38



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Operator:

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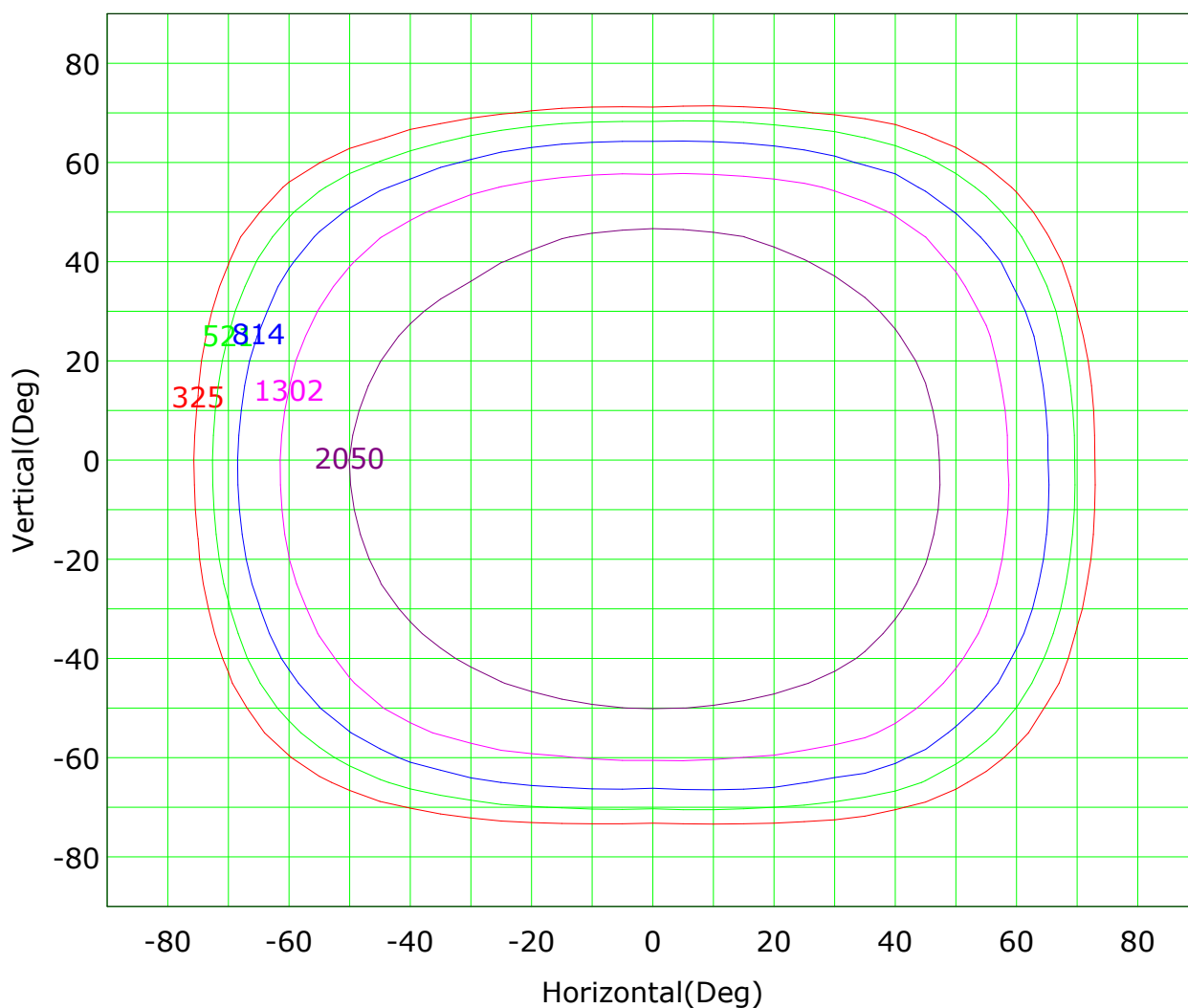
Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 3254 cd

(10%): 325 cd	(16%): 521 cd
(25%): 814 cd	(40%): 1302 cd
(63%): 2050 cd	(100%): 3254 cd

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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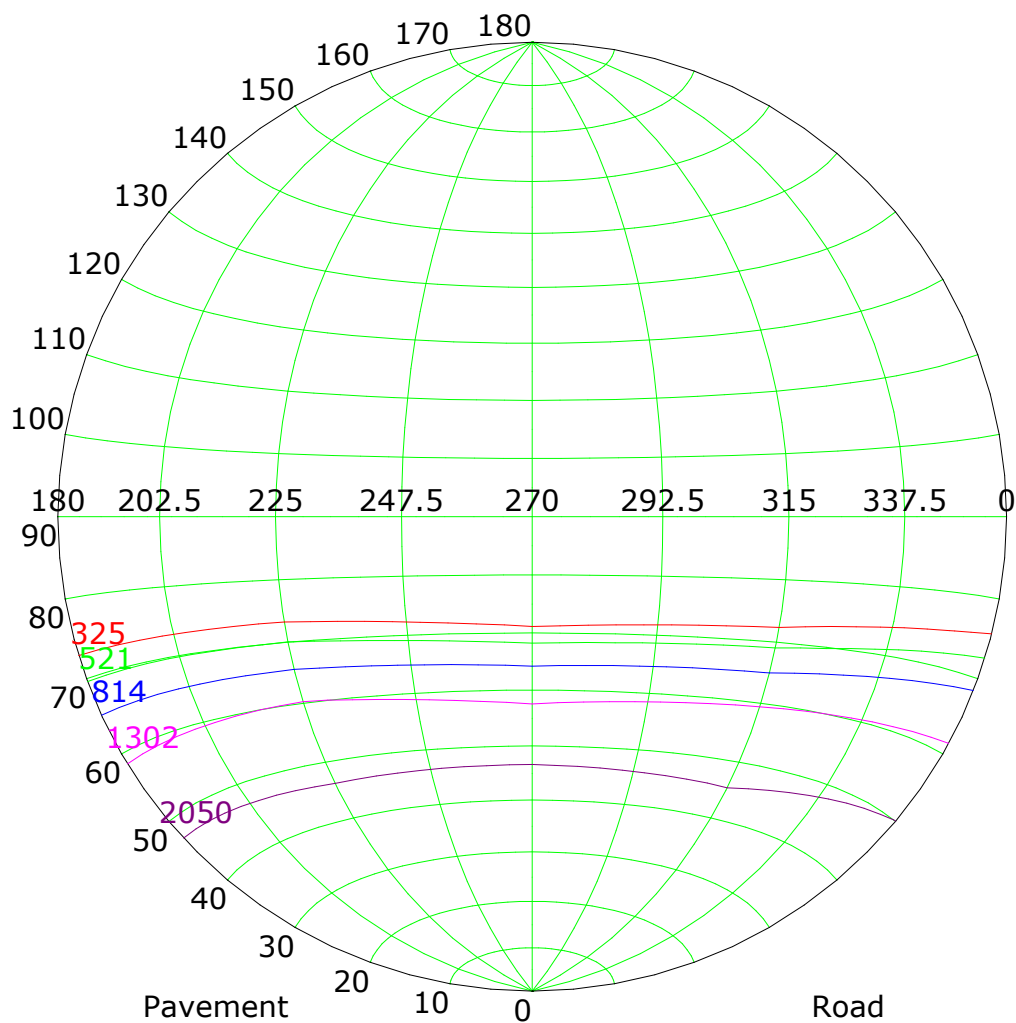
Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 3254 cd

- (10%): 325 cd
- (25%): 814 cd
- (63%): 2050 cd

— (16%): 521 cd
— (40%): 1302 cd
— (100%): 3254 cd

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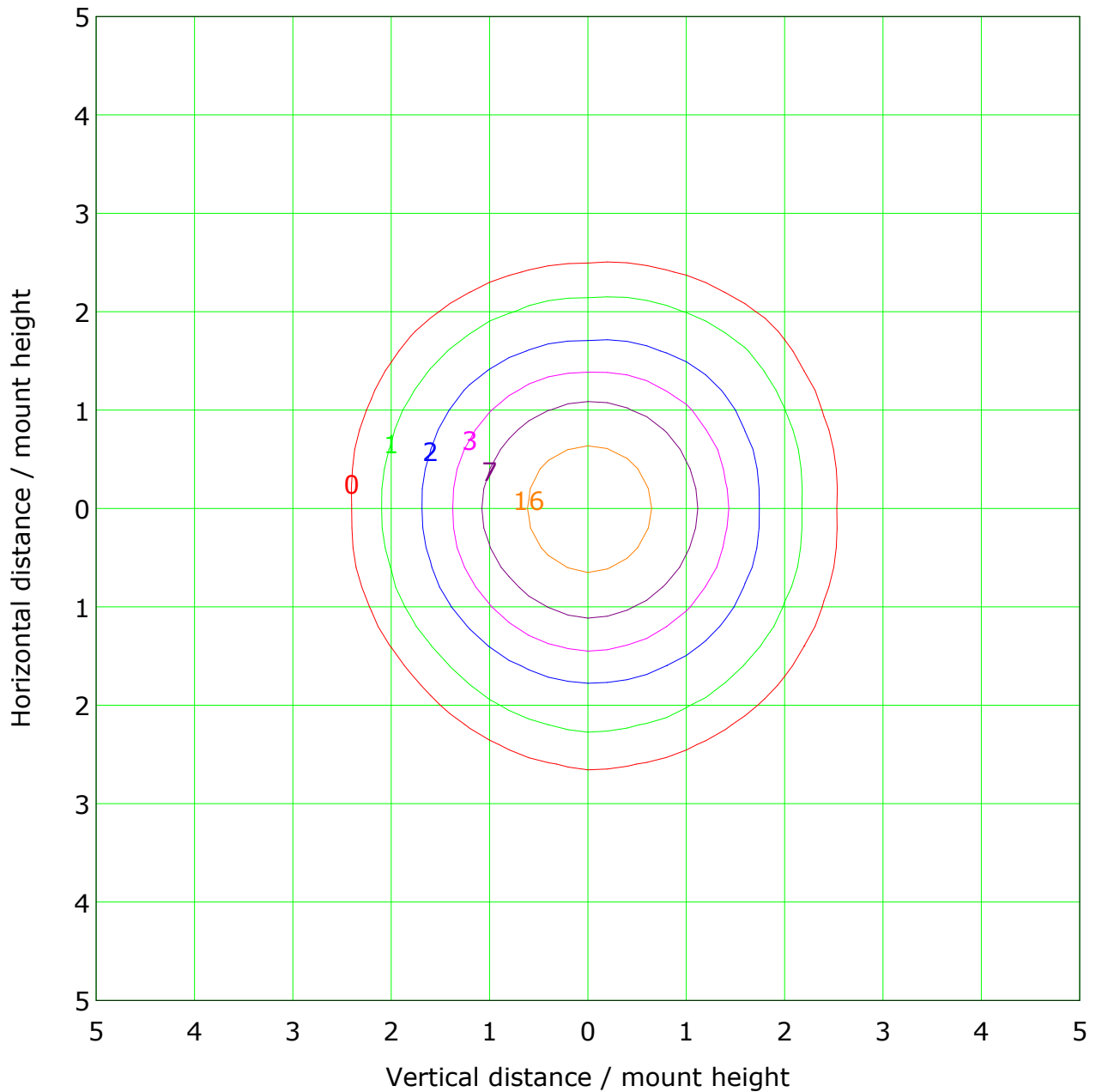
Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 32.5 lx

(1%): 0.3 lx	(2%): 0.7 lx
(5%): 1.6 lx	(10%): 3.3 lx
(20%): 6.5 lx	(50%): 16.3 lx
(100%): 32.5 lx	

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Test Type: TYPE C

Temperature:

Operator:

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Test Device: GPM-1600L

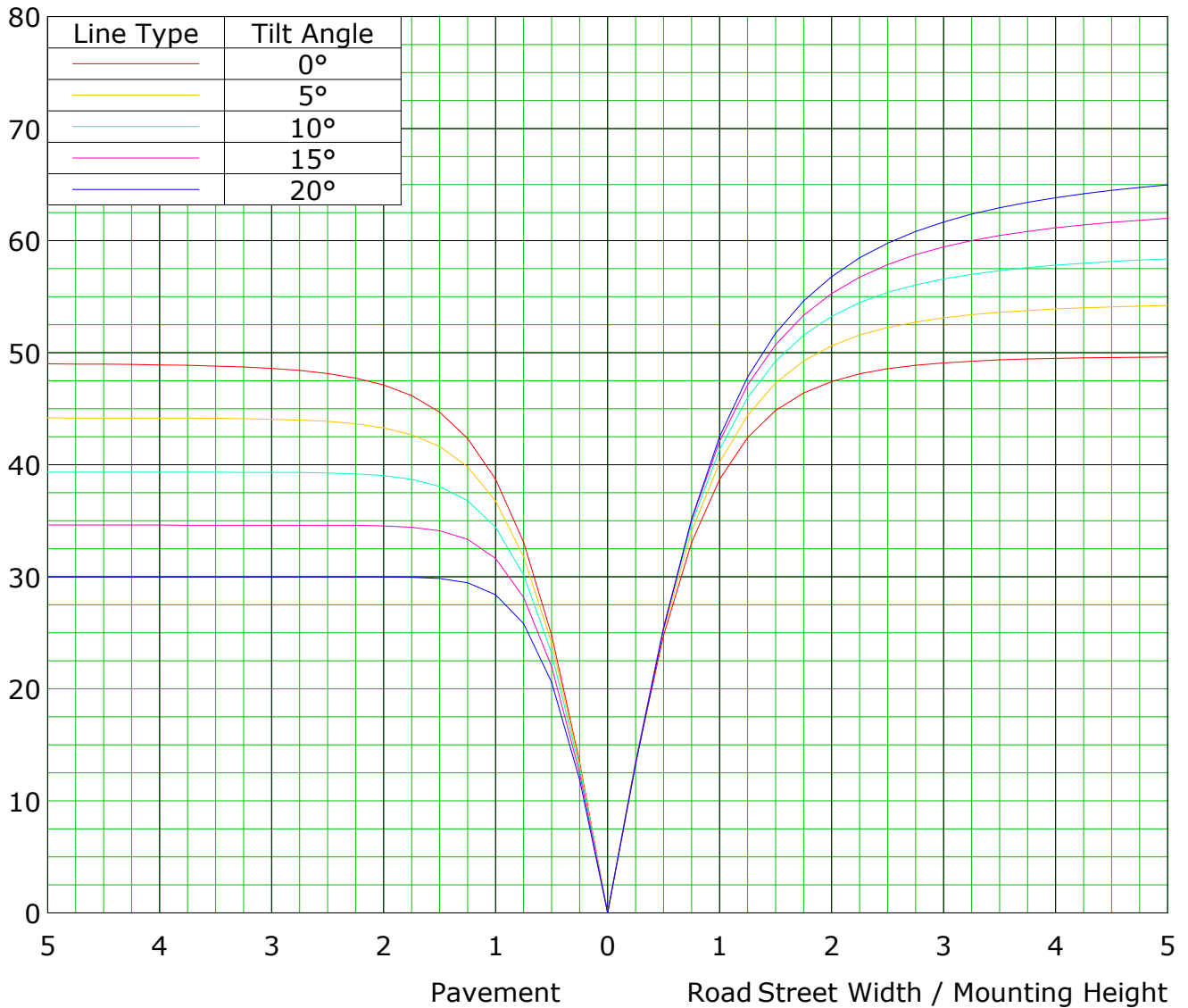
Distance: 10.144 m

Humidity:

Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

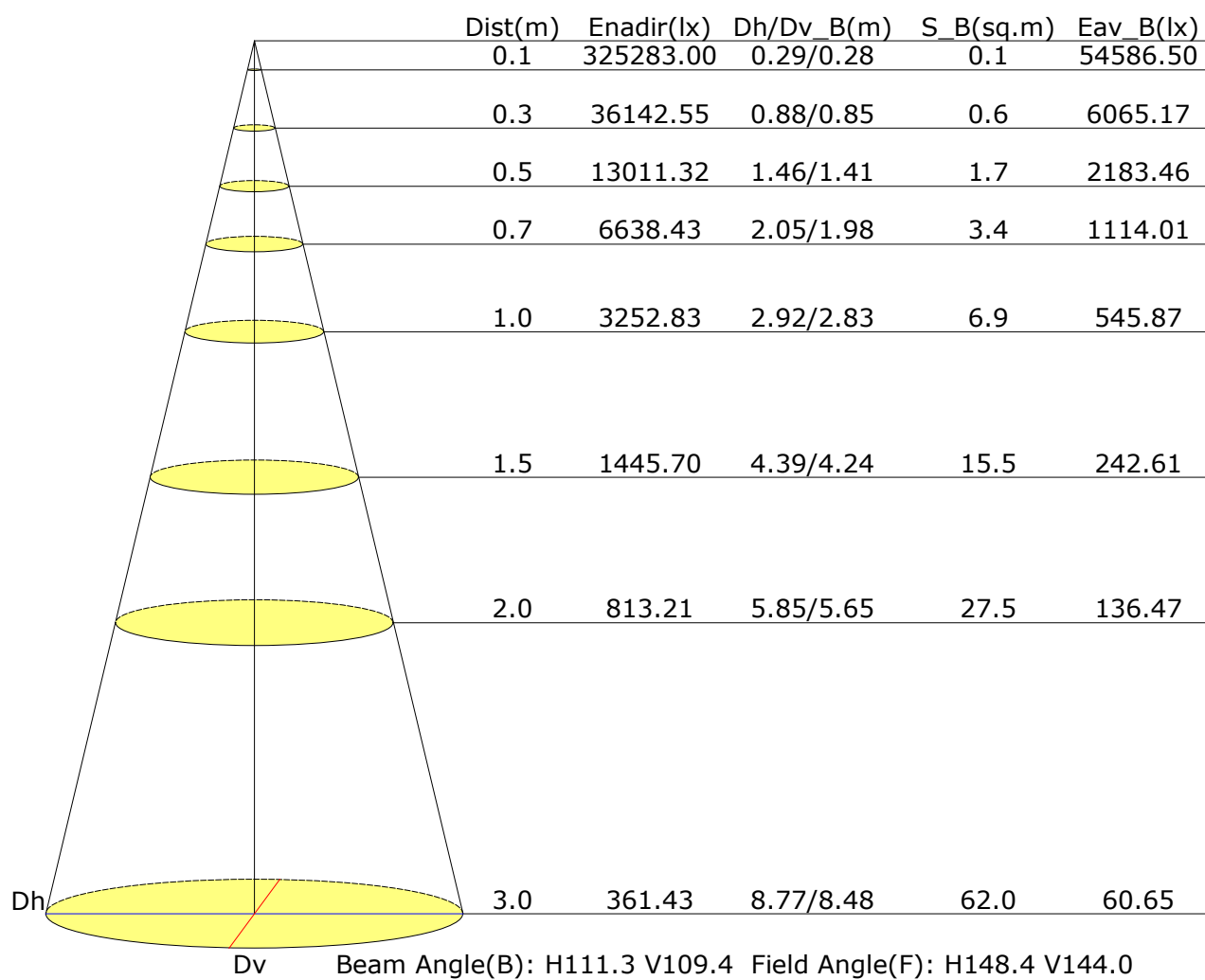
Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Illuminance at a Distance



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

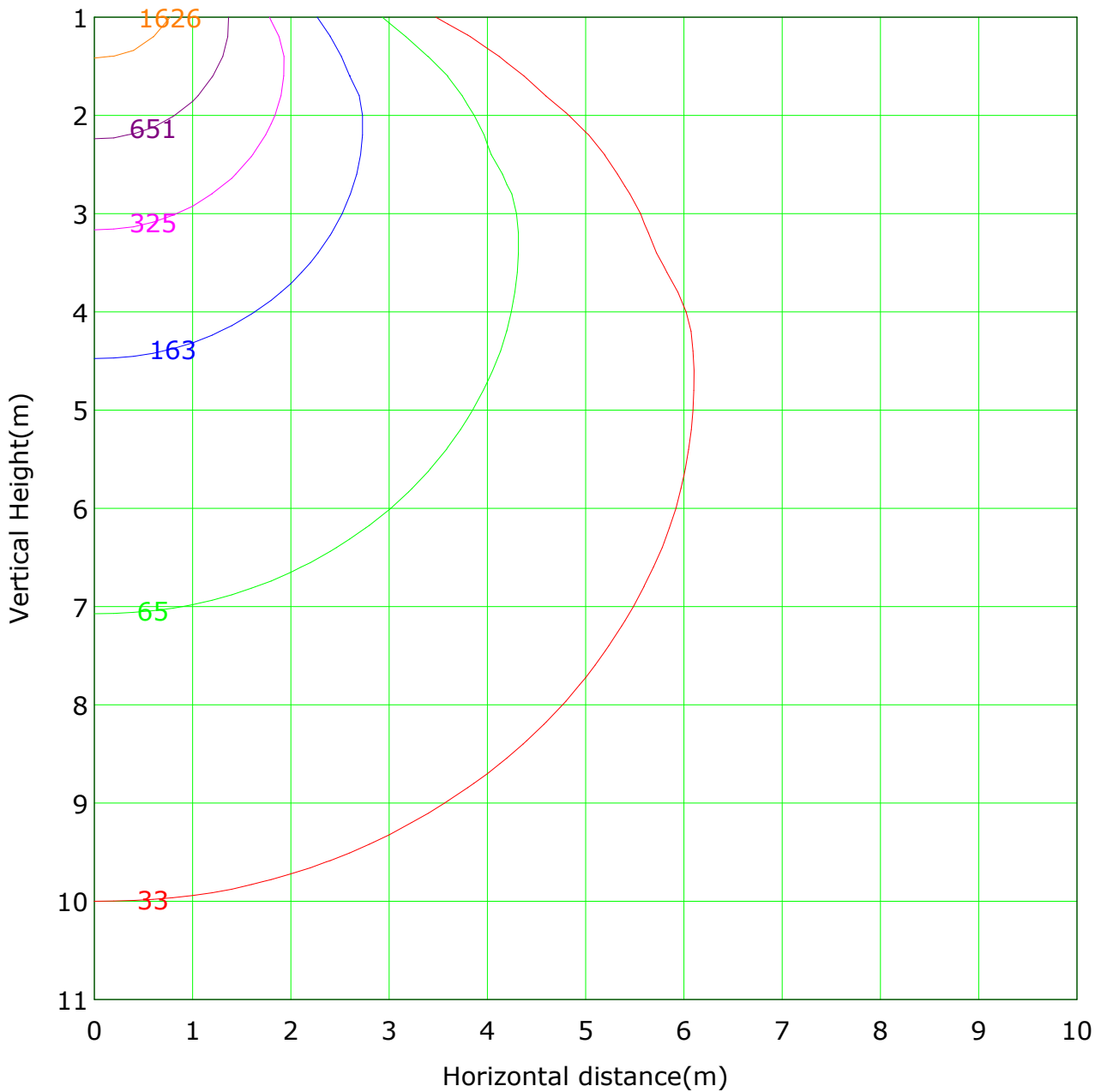
Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3252.8 lx

— (1%): 32.5 lx	— (2%): 65.1 lx
— (5%): 162.6 lx	— (10%): 325.3 lx
— (20%): 650.6 lx	— (50%): 1626.4 lx
— (100%): 3252.8 lx	

C Plane (°): 0.0-360.0: 45.0
 Test Lab:
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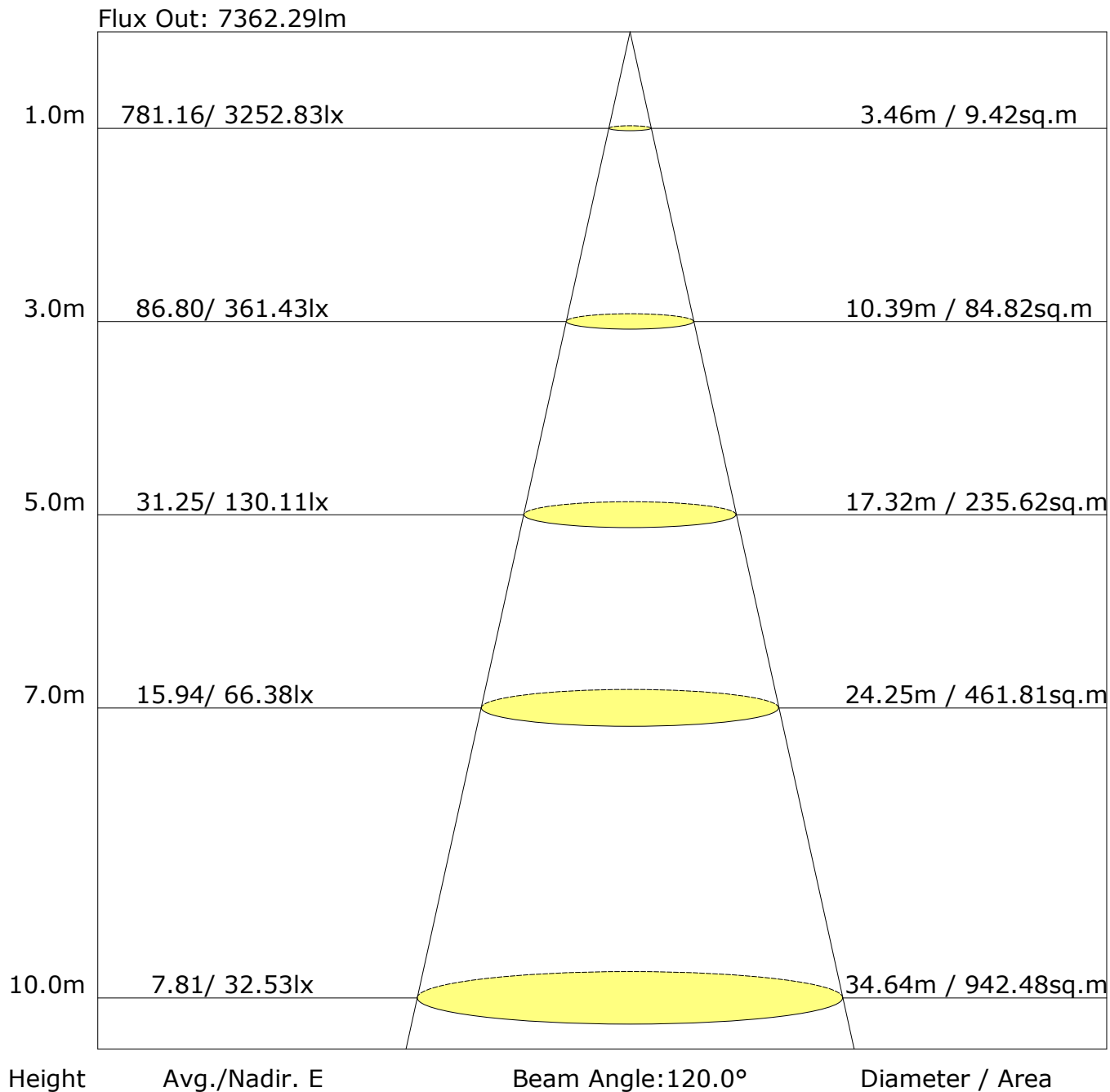
Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

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
0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
0.0	0.0	0.1	0.6	1.6	2.8	3.8	4.5	4.5	4.4	4.1	3.3	2.2	1.3	0.6	0.2	0.0	0.0	0.7
0.0	0.1	0.8	3.2	7.7	12.9	17.8	21.6	23.2	23.0	21.0	16.9	11.8	7.0	3.4	1.1	0.2	0.0	0.7
0.0	0.3	2.4	8.2	17.0	27.7	36.6	42.7	45.6	45.5	42.3	35.7	26.5	16.7	8.7	3.1	0.5	0.0	0.7
0.0	0.6	4.6	13.8	27.4	40.7	51.5	59.6	63.9	63.8	59.1	50.8	40.2	27.4	14.9	5.7	1.0	0.0	0.7
0.0	1.0	6.9	19.3	34.9	49.5	62.0	71.5	75.7	75.4	70.7	61.2	49.1	36.0	20.7	8.4	1.7	0.0	0.7
0.0	1.4	8.9	23.3	40.5	56.5	71.2	81.1	86.5	86.3	80.5	70.2	56.8	41.8	25.4	10.8	2.3	0.1	0.7
0.0	1.8	10.4	25.9	44.3	61.7	76.8	87.6	93.3	93.1	87.2	76.9	62.5	45.9	28.7	12.6	2.8	0.1	0.7
0.0	1.9	11.1	27.3	46.3	64.2	79.6	90.9	96.8	96.8	91.5	80.8	65.9	48.6	30.5	13.7	3.1	0.1	0.7
0.0	2.0	11.2	27.5	46.7	64.6	80.1	91.4	97.3	97.5	92.2	81.4	66.5	49.0	30.7	13.8	3.2	0.1	0.7
0.0	1.9	10.8	26.7	45.6	63.1	78.2	89.2	94.6	94.6	89.2	78.7	64.2	47.3	29.4	13.1	2.9	0.1	0.7
0.0	1.6	9.6	24.7	42.6	59.5	73.9	84.0	89.1	89.0	83.7	73.7	59.9	43.8	26.8	11.6	2.5	0.1	0.7
0.0	1.2	7.7	21.3	37.7	53.7	66.7	75.8	80.6	80.5	75.5	66.1	53.4	38.6	22.9	9.4	1.9	0.1	0.7
0.0	0.7	5.5	16.1	31.1	45.4	56.7	64.8	69.0	68.9	64.4	56.0	44.6	31.5	17.5	6.7	1.2	0.0	0.7
0.0	0.4	3.1	10.2	21.3	33.5	42.3	48.7	51.9	51.7	48.2	41.6	32.8	21.4	11.1	3.9	0.6	0.0	0.7
0.0	0.1	1.2	4.7	10.8	17.3	23.0	26.9	28.3	28.2	26.6	22.6	16.8	10.7	5.1	1.6	0.2	0.0	0.7
0.0	0.0	0.3	1.2	3.0	4.8	6.4	7.3	7.3	7.3	7.2	6.1	4.6	2.9	1.3	0.4	0.0	0.0	0.7
0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.7
0.2	15.0	94.7	254.1	458.9	658.4	827.1	948.2	1008.0	1006.1	943.8	882.2	565.8	147.0	0.277	6.11	16.3	24.1	0.7
0.0	4.9	85.2	245.8	450.8	650.6	819.7	940.8	1000.9	999.2	936.7	815.3	650.5	462.1	269.6	107.8	13.8	0.0	0.7
Flux(E)	0.0	4.9	85.2	245.8	450.8	650.6	819.7	940.8	1000.9	999.2	936.7	815.3	650.5	462.1	269.6	107.8	13.8	0.0
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Flux(T)	0.2	15.0	94.7	254.1	458.9	658.4	827.1	948.2	1008.0	1006.1	943.8	882.2	565.8	147.0	0.277	6.11	16.3	24.1
Flux(E)	0.0	4.9	85.2	245.8	450.8	650.6	819.7	940.8	1000.9	999.2	936.7	815.3	650.5	462.1	269.6	107.8	13.8	0.0
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Flux(T)	0.2	15.0	94.7	254.1	458.9	658.4	827.1	948.2	1008.0	1006.1	943.8	882.2	565.8	147.0	0.277	6.11	16.3	24.1
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Flux(T)	0.2	15.0	94.7	254.1	458.9	658.4	827.1	948.2	1008.0	1006.1	943.8	882.2	565.8	147.0	0.277	6.11	16.3	24.1
Flux(E)	0.0	4.9	85															

The Average Illuminance Effective Figure



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

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

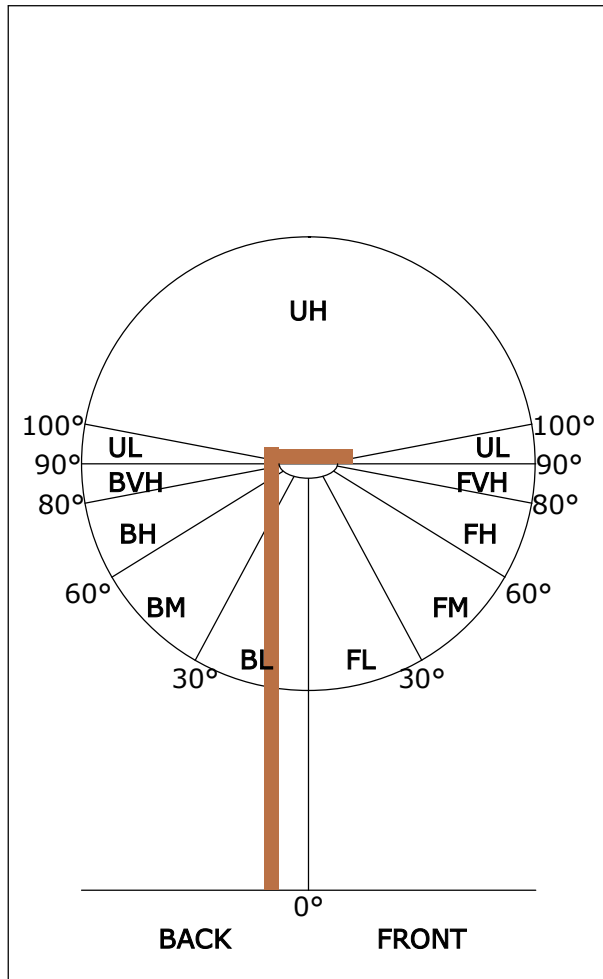
UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 8656lm ($8\log(F/F_0) = 7.5$).

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

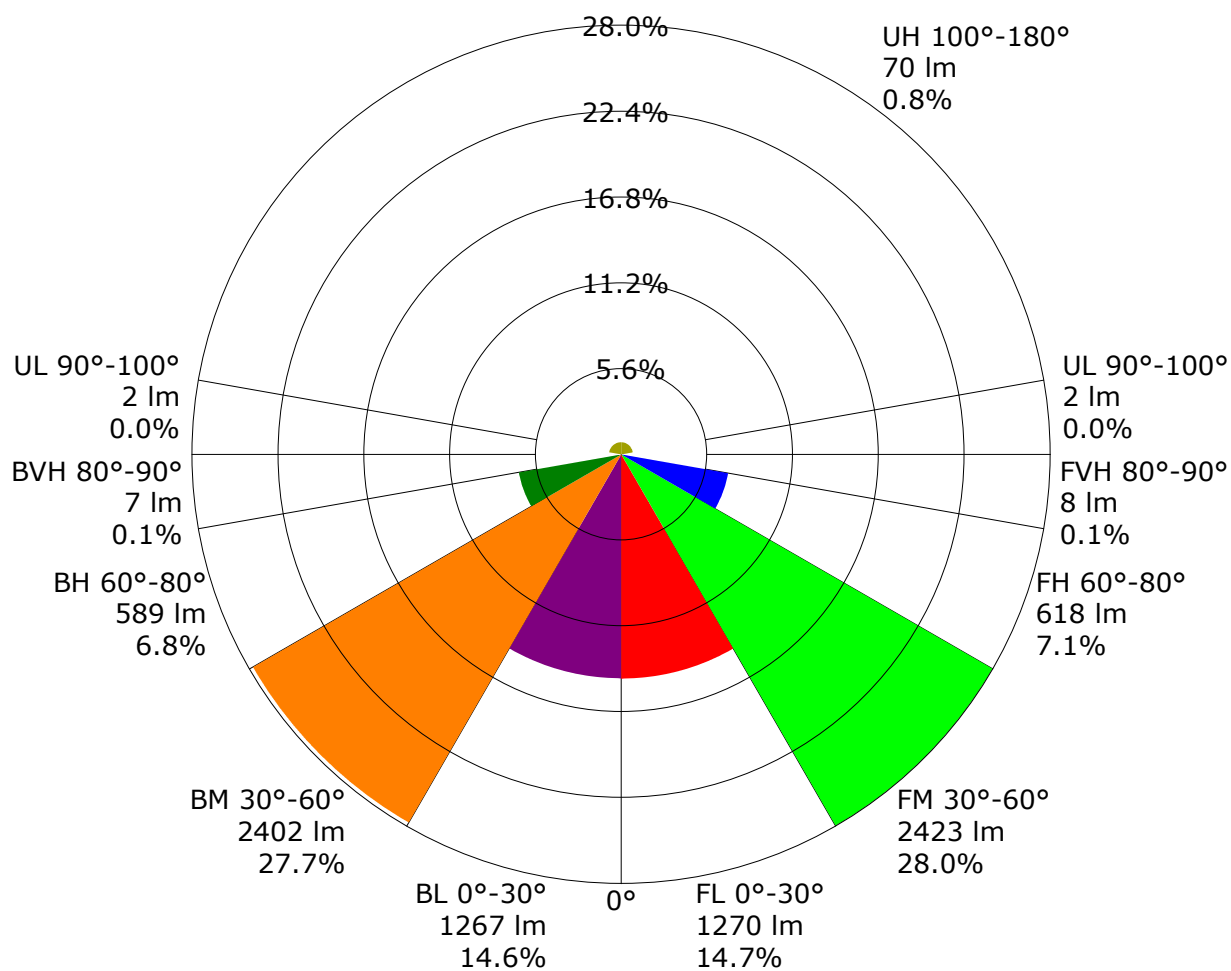
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	4320	49.9
FL (0°-30°)	1270	14.7
FM (30°-60°)	2423	28.0
FH (60°-80°)	618	7.1
FVH (80°-90°)	8	0.1
BACK LIGHT	4265	49.3
BL (0°-30°)	1267	14.6
BM (30°-60°)	2402	27.7
BH (60°-80°)	589	6.8
BVH (80°-90°)	7	0.1
UP LIGHT	71	0.8
UL (90°-100°)	2	0.0
UH (100°-180°)	70	0.8
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G0

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 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	0.59	0.70	0.77	0.83	0.90	0.95	0.98	1.02	1.05	
	0.30		0.51	0.63	0.71	0.76	0.84	0.90	0.94	0.99	1.02	
	0.20		0.46	0.57	0.65	0.71	0.80	0.86	0.90	0.95	0.99	
0.50	0.50	0.20	0.57	0.68	0.75	0.80	0.87	0.91	0.94	0.98	1.01	
	0.30		0.51	0.61	0.69	0.75	0.82	0.87	0.91	0.95	0.98	
	0.20		0.46	0.57	0.64	0.70	0.78	0.84	0.87	0.93	0.96	
0.30	0.50	0.20	0.56	0.66	0.73	0.78	0.84	0.88	0.91	0.94	0.97	
	0.30		0.50	0.60	0.68	0.73	0.80	0.85	0.88	0.92	0.95	
	0.20		0.45	0.56	0.64	0.69	0.77	0.82	0.85	0.90	0.93	
0.00	0.00	0.00	0.43	0.53	0.61	0.66	0.73	0.78	0.81	0.85	0.88	
Rating:99W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 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	0.95	0.77	0.65	0.56	0.44	0.36	0.30	0.23	0.19	
	0.30		0.80	0.66	0.56	0.49	0.39	0.33	0.28	0.22	0.18	
	0.20		0.68	0.58	0.50	0.44	0.36	0.30	0.26	0.21	0.17	
0.50	0.50	0.20	0.92	0.74	0.62	0.53	0.41	0.37	0.29	0.22	0.18	
	0.30		0.78	0.64	0.55	0.47	0.38	0.31	0.27	0.21	0.17	
	0.20		0.67	0.57	0.49	0.43	0.35	0.29	0.25	0.20	0.16	
0.30	0.50	0.20	0.89	0.71	0.59	0.51	0.39	0.32	0.27	0.21	0.17	
	0.30		0.76	0.62	0.53	0.46	0.36	0.30	0.26	0.20	0.16	
	0.20		0.66	0.56	0.48	0.42	0.34	0.28	0.24	0.19	0.15	
0.00	0.00	0.00	0.56	0.46	0.38	0.33	0.26	0.21	0.18	0.14	0.11	
Rating:99W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 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	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.20	
	0.30		0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	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:99W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3233.0	3.1	3.1	0.04	0.04
1.0-2.0	3232.9	9.3	12.4	0.11	0.14
2.0-3.0	3232.1	15.5	27.8	0.18	0.32
3.0-4.0	3230.2	21.6	49.5	0.25	0.57
4.0-5.0	3227.2	27.8	77.2	0.32	0.89
5.0-6.0	3222.7	33.9	111.1	0.39	1.28
6.0-7.0	3216.8	39.9	151.0	0.46	1.74
7.0-8.0	3209.8	45.9	197.0	0.53	2.28
8.0-9.0	3201.6	51.9	248.9	0.60	2.88
9.0-10.0	3192.8	57.8	306.7	0.67	3.54
10.0-11.0	3182.7	63.6	370.3	0.73	4.28
11.0-12.0	3171.8	69.3	439.6	0.80	5.08
12.0-13.0	3160.3	75.0	514.6	0.87	5.95
13.0-14.0	3147.3	80.6	595.2	0.93	6.88
14.0-15.0	3133.1	86.0	681.2	0.99	7.87
15.0-16.0	3118.2	91.4	772.6	1.06	8.93
16.0-17.0	3102.0	96.6	869.2	1.12	10.04
17.0-18.0	3085.0	101.7	970.9	1.18	11.22
18.0-19.0	3066.9	106.7	1077.6	1.23	12.45
19.0-20.0	3047.9	111.6	1189.2	1.29	13.74
20.0-21.0	3028.3	116.3	1305.5	1.34	15.08
21.0-22.0	3007.3	120.9	1426.4	1.40	16.48
22.0-23.0	2985.8	125.3	1551.7	1.45	17.93
23.0-24.0	2962.8	129.6	1681.2	1.50	19.42
24.0-25.0	2938.7	133.6	1814.9	1.54	20.97
25.0-26.0	2913.8	137.6	1952.4	1.59	22.56
26.0-27.0	2885.9	141.2	2093.6	1.63	24.19
27.0-28.0	2856.8	144.7	2238.3	1.67	25.86
28.0-29.0	2826.9	147.9	2386.2	1.71	27.57
29.0-30.0	2795.6	151.0	2537.2	1.74	29.31
30.0-31.0	2764.9	153.9	2691.1	1.78	31.09
31.0-32.0	2733.1	156.6	2847.7	1.81	32.90
32.0-33.0	2700.6	159.1	3006.8	1.84	34.74
33.0-34.0	2668.7	161.5	3168.3	1.87	36.60
34.0-35.0	2634.1	163.6	3331.9	1.89	38.49
35.0-36.0	2597.9	165.4	3497.4	1.91	40.40

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	2561.3	167.1	3664.4	1.93	42.33
37.0-38.0	2522.8	168.4	3832.8	1.95	44.28
38.0-39.0	2484.1	169.6	4002.4	1.96	46.24
39.0-40.0	2443.4	170.4	4172.9	1.97	48.21
40.0-41.0	2401.7	171.0	4343.9	1.98	50.18
41.0-42.0	2360.4	171.5	4515.4	1.98	52.17
42.0-43.0	2315.5	171.5	4687.0	1.98	54.15
43.0-44.0	2270.6	171.4	4858.4	1.98	56.13
44.0-45.0	2227.5	171.2	5029.6	1.98	58.10
45.0-46.0	2183.5	170.8	5200.4	1.97	60.08
46.0-47.0	2140.1	170.2	5370.6	1.97	62.04
47.0-48.0	2094.5	169.3	5539.9	1.96	64.00
48.0-49.0	2046.0	168.0	5708.0	1.94	65.94
49.0-50.0	1996.8	166.5	5874.5	1.92	67.87
50.0-51.0	1943.7	164.5	6038.9	1.90	69.77
51.0-52.0	1889.8	162.2	6201.1	1.87	71.64
52.0-53.0	1835.3	159.7	6360.8	1.84	73.48
53.0-54.0	1772.8	156.3	6517.1	1.81	75.29
54.0-55.0	1700.0	151.8	6668.9	1.75	77.04
55.0-56.0	1627.9	147.1	6816.0	1.70	78.74
56.0-57.0	1565.6	143.2	6959.1	1.65	80.40
57.0-58.0	1505.4	139.2	7098.4	1.61	82.01
58.0-59.0	1438.4	134.5	7232.9	1.55	83.56
59.0-60.0	1369.7	129.4	7362.3	1.50	85.05
60.0-61.0	1293.1	123.4	7485.7	1.43	86.48
61.0-62.0	1213.2	116.9	7602.6	1.35	87.83
62.0-63.0	1139.7	110.9	7713.5	1.28	89.11
63.0-64.0	1060.6	104.1	7817.6	1.20	90.31
64.0-65.0	974.5	96.5	7914.0	1.11	91.43
65.0-66.0	891.4	89.0	8003.0	1.03	92.46
66.0-67.0	814.7	81.9	8084.9	0.95	93.40
67.0-68.0	738.6	74.8	8159.7	0.86	94.27
68.0-69.0	663.1	67.7	8227.4	0.78	95.05
69.0-70.0	592.2	60.8	8288.2	0.70	95.75
70.0-71.0	525.2	54.3	8342.5	0.63	96.38
71.0-72.0	458.2	47.6	8390.2	0.55	96.93

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	392.6	41.1	8431.2	0.47	97.40
73.0-74.0	329.1	34.6	8465.8	0.40	97.80
74.0-75.0	271.0	28.6	8494.5	0.33	98.13
75.0-76.0	220.2	23.4	8517.8	0.27	98.40
76.0-77.0	173.3	18.5	8536.3	0.21	98.62
77.0-78.0	133.0	14.2	8550.6	0.16	98.78
78.0-79.0	100.6	10.8	8561.4	0.12	98.91
79.0-80.0	73.5	7.9	8569.3	0.09	99.00
80.0-81.0	52.0	5.6	8574.9	0.06	99.06
81.0-82.0	35.3	3.8	8578.7	0.04	99.11
82.0-83.0	22.6	2.5	8581.2	0.03	99.14
83.0-84.0	13.6	1.5	8582.7	0.02	99.15
84.0-85.0	7.8	0.9	8583.5	0.01	99.16
85.0-86.0	4.1	0.4	8584.0	0.01	99.17
86.0-87.0	2.2	0.2	8584.2	0.00	99.17
87.0-88.0	1.4	0.1	8584.4	0.00	99.17
88.0-89.0	0.9	0.1	8584.5	0.00	99.17
89.0-90.0	0.8	0.1	8584.6	0.00	99.17
90.0-91.0	0.7	0.1	8584.7	0.00	99.18
91.0-92.0	0.8	0.1	8584.7	0.00	99.18
92.0-93.0	1.0	0.1	8584.8	0.00	99.18
93.0-94.0	1.2	0.1	8585.0	0.00	99.18
94.0-95.0	1.4	0.2	8585.1	0.00	99.18
95.0-96.0	1.6	0.2	8585.3	0.00	99.18
96.0-97.0	1.9	0.2	8585.5	0.00	99.19
97.0-98.0	2.1	0.2	8585.7	0.00	99.19
98.0-99.0	2.4	0.3	8586.0	0.00	99.19
99.0-100.0	2.7	0.3	8586.3	0.00	99.19
100.0-101.0	3.0	0.3	8586.6	0.00	99.20
101.0-102.0	3.3	0.4	8587.0	0.00	99.20
102.0-103.0	3.6	0.4	8587.4	0.00	99.21
103.0-104.0	4.0	0.4	8587.8	0.00	99.21
104.0-105.0	4.3	0.5	8588.2	0.01	99.22
105.0-106.0	4.6	0.5	8588.7	0.01	99.22
106.0-107.0	5.0	0.5	8589.2	0.01	99.23
107.0-108.0	5.4	0.6	8589.8	0.01	99.23

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	5.7	0.6	8590.4	0.01	99.24
109.0-110.0	6.1	0.6	8591.0	0.01	99.25
110.0-111.0	6.5	0.7	8591.7	0.01	99.26
111.0-112.0	6.8	0.7	8592.4	0.01	99.26
112.0-113.0	7.2	0.7	8593.1	0.01	99.27
113.0-114.0	7.6	0.8	8593.9	0.01	99.28
114.0-115.0	8.1	0.8	8594.7	0.01	99.29
115.0-116.0	8.4	0.8	8595.5	0.01	99.30
116.0-117.0	8.8	0.9	8596.4	0.01	99.31
117.0-118.0	9.2	0.9	8597.3	0.01	99.32
118.0-119.0	9.6	0.9	8598.2	0.01	99.33
119.0-120.0	10.0	1.0	8599.2	0.01	99.34
120.0-121.0	10.4	1.0	8600.1	0.01	99.35
121.0-122.0	10.7	1.0	8601.1	0.01	99.37
122.0-123.0	11.1	1.0	8602.2	0.01	99.38
123.0-124.0	11.5	1.1	8603.2	0.01	99.39
124.0-125.0	12.0	1.1	8604.3	0.01	99.40
125.0-126.0	12.3	1.1	8605.4	0.01	99.42
126.0-127.0	12.7	1.1	8606.5	0.01	99.43
127.0-128.0	13.2	1.1	8607.7	0.01	99.44
128.0-129.0	13.6	1.2	8608.8	0.01	99.45
129.0-130.0	14.0	1.2	8610.0	0.01	99.47
130.0-131.0	14.4	1.2	8611.2	0.01	99.48
131.0-132.0	14.7	1.2	8612.4	0.01	99.50
132.0-133.0	15.2	1.2	8613.7	0.01	99.51
133.0-134.0	15.6	1.2	8614.9	0.01	99.52
134.0-135.0	16.1	1.3	8616.2	0.01	99.54
135.0-136.0	16.5	1.3	8617.4	0.01	99.55
136.0-137.0	16.9	1.3	8618.7	0.01	99.57
137.0-138.0	17.3	1.3	8620.0	0.01	99.58
138.0-139.0	17.8	1.3	8621.3	0.01	99.60
139.0-140.0	18.2	1.3	8622.6	0.01	99.61
140.0-141.0	18.6	1.3	8623.9	0.02	99.63
141.0-142.0	19.1	1.3	8625.2	0.02	99.64
142.0-143.0	19.4	1.3	8626.5	0.01	99.66
143.0-144.0	19.8	1.3	8627.8	0.01	99.67

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 10.144 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	20.2	1.3	8629.1	0.01	99.69
145.0-146.0	20.6	1.3	8630.3	0.01	99.70
146.0-147.0	21.0	1.3	8631.6	0.01	99.72
147.0-148.0	21.3	1.3	8632.9	0.01	99.73
148.0-149.0	21.7	1.2	8634.1	0.01	99.75
149.0-150.0	22.0	1.2	8635.3	0.01	99.76
150.0-151.0	22.3	1.2	8636.5	0.01	99.77
151.0-152.0	22.6	1.2	8637.7	0.01	99.79
152.0-153.0	22.9	1.2	8638.9	0.01	99.80
153.0-154.0	23.2	1.1	8640.0	0.01	99.81
154.0-155.0	23.5	1.1	8641.1	0.01	99.83
155.0-156.0	23.7	1.1	8642.2	0.01	99.84
156.0-157.0	24.0	1.0	8643.2	0.01	99.85
157.0-158.0	24.2	1.0	8644.3	0.01	99.86
158.0-159.0	24.5	1.0	8645.2	0.01	99.88
159.0-160.0	24.6	0.9	8646.2	0.01	99.89
160.0-161.0	24.9	0.9	8647.1	0.01	99.90
161.0-162.0	25.1	0.9	8648.0	0.01	99.91
162.0-163.0	25.3	0.8	8648.8	0.01	99.92
163.0-164.0	25.4	0.8	8649.6	0.01	99.93
164.0-165.0	25.7	0.8	8650.3	0.01	99.93
165.0-166.0	25.9	0.7	8651.1	0.01	99.94
166.0-167.0	26.1	0.7	8651.7	0.01	99.95
167.0-168.0	26.2	0.6	8652.3	0.01	99.96
168.0-169.0	26.4	0.6	8652.9	0.01	99.96
169.0-170.0	26.5	0.5	8653.5	0.01	99.97
170.0-171.0	26.7	0.5	8653.9	0.01	99.98
171.0-172.0	26.8	0.4	8654.4	0.01	99.98
172.0-173.0	27.0	0.4	8654.8	0.00	99.99
173.0-174.0	27.0	0.3	8655.1	0.00	99.99
174.0-175.0	27.1	0.3	8655.4	0.00	99.99
175.0-176.0	27.1	0.2	8655.6	0.00	100.00
176.0-177.0	27.2	0.2	8655.8	0.00	100.00
177.0-178.0	27.2	0.1	8655.9	0.00	100.00
178.0-179.0	27.3	0.1	8656.0	0.00	100.00
179.0-180.0	27.3	0.0	8656.0	0.00	100.00

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 5029.57 lm

%lum = 58.1%
%lamp = 58.1%

cone flux(120°): 7362.29 lm

%lum = 85.1%
%lamp = 85.1%

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 10.144 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	3252.8	3231.4	3223.9	3223.4	3252.8	3231.4	3223.9	3223.4	3252.8	
G1.0	3254.1	3232.4	3224.4	3224.9	3251.6	3230.3	3225.4	3221.7	3254.1	
G2.0	3253.9	3232.9	3225.1	3226.2	3249.6	3229.1	3224.0	3220.8	3253.9	
G3.0	3252.7	3232.6	3225.9	3227.2	3247.4	3227.1	3220.6	3218.1	3252.7	
G4.0	3251.4	3231.8	3225.5	3227.5	3243.6	3223.1	3215.9	3213.8	3251.4	
G5.0	3250.1	3230.3	3223.3	3226.6	3237.6	3217.3	3209.8	3208.1	3250.1	
G6.0	3247.4	3227.7	3218.7	3223.6	3229.9	3209.8	3202.8	3200.1	3247.4	
G7.0	3243.3	3223.4	3213.3	3218.9	3221.7	3201.8	3194.8	3192.1	3243.3	
G8.0	3236.9	3217.7	3207.2	3212.6	3212.4	3193.0	3185.9	3182.5	3236.9	
G9.0	3228.6	3210.3	3199.6	3205.2	3202.5	3183.1	3176.6	3171.8	3228.6	
G10.0	3220.2	3201.6	3192.5	3197.9	3192.5	3173.6	3167.0	3161.1	3220.2	
G11.0	3210.4	3191.1	3183.1	3188.8	3180.4	3161.2	3154.8	3147.8	3210.4	
G12.0	3201.1	3181.2	3173.6	3179.7	3168.5	3149.1	3142.4	3135.1	3201.1	
G13.0	3190.4	3170.2	3163.1	3169.7	3154.6	3135.7	3129.2	3121.3	3190.4	
G14.0	3177.6	3157.7	3151.3	3157.7	3138.6	3120.9	3113.1	3105.5	3177.6	
G15.0	3164.5	3144.5	3138.2	3145.4	3121.9	3105.9	3097.1	3089.2	3164.5	
G16.0	3151.2	3131.5	3124.3	3132.8	3103.7	3089.5	3079.2	3071.9	3151.2	
G17.0	3134.4	3114.9	3108.8	3117.2	3086.0	3071.9	3060.6	3053.5	3134.4	
G18.0	3118.3	3100.2	3092.9	3102.6	3066.8	3053.7	3043.1	3034.9	3118.3	
G19.0	3099.1	3081.9	3074.4	3084.8	3047.8	3032.4	3023.1	3013.9	3099.1	
G20.0	3081.2	3063.6	3056.7	3067.7	3027.8	3012.7	3005.2	2993.6	3081.2	
G21.0	3061.9	3045.1	3039.1	3050.6	3005.9	2988.6	2984.0	2968.5	3061.9	
G22.0	3040.4	3024.8	3019.2	3029.5	2984.7	2966.8	2962.6	2945.6	3040.4	
G23.0	3020.1	3003.8	2999.8	3008.7	2961.8	2942.9	2941.3	2920.9	3020.1	
G24.0	2998.8	2980.5	2980.3	2987.6	2935.4	2915.9	2915.3	2892.3	2998.8	
G25.0	2975.6	2954.9	2956.3	2964.3	2911.4	2892.0	2891.2	2867.4	2975.6	
G26.0	2952.4	2930.9	2933.4	2940.6	2884.7	2865.6	2858.3	2841.5	2952.4	
G27.0	2926.8	2901.9	2906.4	2914.3	2856.0	2838.0	2814.2	2810.1	2926.8	
G28.0	2900.6	2876.6	2882.4	2890.8	2827.5	2811.9	2769.1	2782.1	2900.6	
G29.0	2873.4	2850.5	2856.7	2865.4	2796.9	2780.9	2715.7	2749.0	2873.4	
G30.0	2844.1	2822.6	2827.5	2837.1	2767.3	2752.9	2671.6	2717.9	2844.1	
G31.0	2815.0	2795.4	2799.8	2810.9	2734.8	2722.9	2631.3	2687.8	2815.0	
G32.0	2782.1	2764.3	2768.0	2780.3	2700.8	2689.0	2593.5	2654.1	2782.1	
G33.0	2751.5	2734.3	2738.6	2750.2	2666.6	2655.5	2562.6	2618.4	2751.5	
G34.0	2718.4	2704.5	2708.2	2720.4	2632.7	2622.1	2531.8	2582.6	2718.4	
G35.0	2683.1	2668.9	2673.7	2686.3	2593.0	2583.4	2499.3	2536.5	2683.1	
G36.0	2649.2	2635.6	2641.8	2652.5	2558.2	2548.9	2467.0	2489.5	2649.2	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	2613.1	2599.4	2608.4	2619.4	2518.8	2506.6	2432.0	2440.2	2613.1	
G38.0	2576.0	2562.1	2569.5	2581.4	2479.4	2462.6	2397.6	2397.6	2576.0	
G39.0	2540.6	2524.4	2534.9	2546.7	2440.4	2416.6	2359.1	2357.2	2540.6	
G40.0	2497.8	2483.8	2496.3	2507.6	2394.6	2359.4	2317.1	2318.1	2497.8	
G41.0	2461.1	2446.7	2457.3	2470.2	2354.1	2308.6	2275.3	2279.2	2461.1	
G42.0	2423.6	2405.8	2419.2	2430.7	2309.7	2256.6	2233.5	2234.5	2423.6	
G43.0	2378.8	2361.4	2375.3	2390.1	2261.7	2203.5	2185.3	2177.6	2378.8	
G44.0	2337.3	2318.5	2335.6	2350.9	2215.8	2156.7	2154.0	2126.6	2337.3	
G45.0	2293.3	2276.4	2293.8	2306.7	2166.9	2102.3	2134.1	2071.1	2293.3	
G46.0	2245.4	2229.2	2246.3	2260.7	2120.0	2055.4	2110.1	2024.9	2245.4	
G47.0	2198.5	2184.1	2204.6	2217.1	2070.4	2016.1	2077.1	1982.5	2198.5	
G48.0	2149.2	2135.6	2153.0	2169.5	2019.9	1975.8	2024.3	1934.6	2149.2	
G49.0	2102.2	2088.9	2107.8	2123.2	1972.1	1939.4	1945.5	1895.8	2102.2	
G50.0	2053.3	2042.6	2061.0	2075.6	1915.3	1895.8	1874.9	1855.2	2053.3	
G51.0	1999.7	1991.3	2005.1	2025.6	1849.5	1841.1	1807.6	1804.9	1999.7	
G52.0	1950.2	1939.4	1955.1	1976.5	1797.6	1791.0	1743.8	1757.8	1950.2	
G53.0	1902.6	1886.9	1901.3	1927.4	1721.4	1728.6	1675.0	1710.9	1902.6	
G54.0	1844.6	1830.5	1837.2	1867.9	1622.3	1670.6	1575.7	1662.3	1844.6	
G55.0	1792.9	1774.7	1681.8	1817.6	1529.1	1608.7	1472.8	1611.8	1792.9	
G56.0	1731.3	1716.0	1593.9	1757.8	1463.4	1551.7	1404.6	1538.6	1731.3	
G57.0	1657.9	1660.2	1540.6	1703.0	1404.2	1513.3	1350.0	1463.7	1657.9	
G58.0	1556.8	1599.9	1489.5	1649.8	1342.1	1468.7	1291.5	1395.4	1556.8	
G59.0	1452.2	1538.4	1424.3	1585.6	1283.8	1401.7	1213.2	1321.9	1452.2	
G60.0	1391.6	1482.2	1355.4	1526.7	1211.1	1324.9	1140.5	1262.2	1391.6	
G61.0	1336.9	1425.1	1208.2	1464.9	1130.9	1213.7	1061.5	1153.9	1336.9	
G62.0	1275.7	1355.2	1138.0	1396.5	1070.1	1110.1	1009.9	1061.0	1275.7	
G63.0	1208.7	1293.5	1087.6	1273.0	1013.0	1039.6	917.3	985.7	1208.7	
G64.0	1134.8	1199.6	1027.2	1195.4	926.9	954.8	820.1	892.5	1134.8	
G65.0	1078.6	1078.7	901.0	1130.4	829.5	853.1	754.8	814.9	1078.6	
G66.0	1008.2	964.5	828.7	1050.3	760.6	774.1	685.0	750.4	1008.2	
G67.0	937.6	900.5	772.8	940.3	689.5	716.8	590.8	664.9	937.6	
G68.0	837.3	830.6	689.2	812.5	631.0	661.7	538.6	603.5	837.3	
G69.0	761.6	754.2	594.9	750.8	568.7	593.0	452.0	529.8	761.6	
G70.0	697.8	665.6	546.0	695.8	495.7	523.8	392.0	454.0	697.8	
G71.0	629.7	604.5	453.1	634.8	426.5	455.1	325.1	403.8	629.7	
G72.0	563.5	542.7	400.1	550.6	365.6	377.6	265.5	332.2	563.5	
G73.0	494.0	456.5	320.4	497.8	312.6	324.4	203.1	275.3	494.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	414.4	392.5	274.4	417.0	247.0	270.6	147.1	218.9	414.4	
G75.0	359.4	329.6	202.7	341.7	208.9	222.2	103.8	185.9	359.4	
G76.0	307.1	276.3	151.8	285.4	170.3	177.2	61.6	139.5	307.1	
G77.0	236.7	219.1	107.8	240.8	115.6	140.2	39.8	102.8	236.7	
G78.0	191.9	181.4	67.9	190.0	79.0	106.1	27.5	81.6	191.9	
G79.0	144.6	140.0	38.8	144.8	63.6	78.7	18.4	54.8	144.6	
G80.0	108.1	103.3	27.1	113.5	42.2	53.3	12.2	33.0	108.1	
G81.0	70.6	77.9	19.0	86.1	24.4	33.4	6.7	20.6	70.6	
G82.0	48.1	56.5	13.0	61.5	13.9	19.0	3.2	11.0	48.1	
G83.0	30.8	33.6	7.7	39.8	5.3	10.9	2.2	5.4	30.8	
G84.0	18.7	20.2	4.1	26.3	3.1	5.2	1.6	3.3	18.7	
G85.0	7.9	9.3	2.5	15.0	1.9	2.8	1.1	2.0	7.9	
G86.0	4.6	4.8	2.0	6.7	0.9	1.7	0.9	1.2	4.6	
G87.0	2.8	2.6	1.4	3.6	0.4	1.0	0.4	1.0	2.8	
G88.0	1.9	1.6	1.2	2.1	0.3	0.7	0.3	0.7	1.9	
G89.0	1.2	0.9	0.5	1.4	0.4	0.6	0.4	0.9	1.2	
G90.0	0.7	0.6	0.5	0.9	0.5	0.9	0.6	1.1	0.7	
G91.0	0.5	0.6	0.4	0.6	0.7	0.9	0.9	1.2	0.5	
G92.0	0.3	0.7	0.6	0.9	0.9	1.1	1.1	1.2	0.3	
G93.0	0.7	0.9	0.7	1.0	1.5	1.2	1.1	1.5	0.7	
G94.0	1.0	1.1	1.1	1.0	1.4	1.7	1.5	1.6	1.0	
G95.0	1.2	1.2	1.1	1.2	1.6	1.7	1.9	2.0	1.2	
G96.0	1.2	1.5	1.5	1.5	1.9	2.2	2.1	2.3	1.2	
G97.0	1.6	1.7	1.6	1.5	2.3	2.3	2.1	2.3	1.6	
G98.0	2.0	2.1	1.9	1.7	2.5	2.6	2.6	3.0	2.0	
G99.0	2.2	2.2	2.2	2.0	2.8	3.0	2.8	3.1	2.2	
G100.0	2.6	2.2	2.3	2.5	3.0	3.3	3.1	3.5	2.6	
G101.0	2.6	2.8	2.7	2.5	3.6	3.6	3.6	3.7	2.6	
G102.0	3.1	3.1	2.8	3.0	3.8	3.8	3.8	4.2	3.1	
G103.0	3.5	3.3	3.2	3.2	4.2	4.1	4.2	4.6	3.5	
G104.0	3.7	4.0	3.7	3.7	4.3	4.4	4.4	4.7	3.7	
G105.0	4.0	4.0	4.0	3.8	4.9	4.8	5.1	5.1	4.0	
G106.0	4.2	4.4	4.2	4.2	5.3	5.3	5.1	5.4	4.2	
G107.0	4.7	4.8	4.8	4.6	5.6	5.6	5.8	5.8	4.7	
G108.0	5.2	5.1	4.9	4.7	5.9	5.9	6.2	6.2	5.2	
G109.0	5.4	5.3	5.4	5.2	6.4	6.4	6.6	6.6	5.4	
G110.0	5.8	5.7	5.8	5.7	6.8	6.7	6.9	7.1	5.8	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	6.3	6.1	6.1	6.1	7.3	7.2	7.3	7.1	6.3	
G112.0	6.6	6.6	6.6	6.3	7.7	7.4	7.7	7.5	6.6	
G113.0	6.9	6.8	6.9	6.7	8.0	7.8	8.2	7.9	6.9	
G114.0	7.4	7.3	7.4	7.2	8.4	8.3	8.5	8.4	7.4	
G115.0	7.9	7.4	7.9	7.5	8.9	8.7	8.9	8.8	7.9	
G116.0	8.0	7.9	8.0	7.8	9.3	9.1	9.3	9.1	8.0	
G117.0	8.7	8.4	8.3	8.3	9.5	9.3	9.5	9.5	8.7	
G118.0	9.0	8.8	8.8	8.5	10.0	9.9	10.1	10.0	9.0	
G119.0	9.5	9.1	9.1	8.8	10.6	10.1	10.5	10.3	9.5	
G120.0	9.9	9.4	9.6	9.1	10.9	10.8	10.9	10.8	9.9	
G121.0	10.3	9.6	10.0	9.8	11.4	11.0	11.3	11.1	10.3	
G122.0	10.5	10.0	10.4	10.0	11.8	11.4	11.8	11.5	10.5	
G123.0	10.9	10.8	10.8	10.5	12.0	11.8	12.1	11.8	10.9	
G124.0	11.4	10.9	11.3	10.9	12.4	12.1	12.5	12.4	11.4	
G125.0	11.8	11.5	11.6	11.5	12.7	12.6	13.0	12.7	11.8	
G126.0	12.0	11.9	12.0	11.6	13.2	13.1	13.2	13.0	12.0	
G127.0	12.6	12.2	12.4	12.1	13.6	13.4	13.9	13.6	12.6	
G128.0	13.0	12.7	12.9	12.4	14.4	13.7	14.0	13.9	13.0	
G129.0	13.5	13.2	13.2	12.9	14.4	14.1	14.5	14.4	13.5	
G130.0	14.0	13.5	13.6	13.2	14.8	14.7	15.0	14.7	14.0	
G131.0	14.1	13.9	14.0	13.7	15.1	15.1	15.3	15.1	14.1	
G132.0	14.6	14.4	14.4	14.1	15.7	15.3	15.7	15.6	14.6	
G133.0	15.0	14.6	14.8	14.6	16.1	15.8	16.2	15.9	15.0	
G134.0	15.5	15.1	15.3	15.0	16.5	16.5	16.6	16.7	15.5	
G135.0	15.8	15.5	15.7	15.5	16.8	16.9	17.1	16.8	15.8	
G136.0	16.5	16.1	15.9	15.8	17.4	17.1	17.4	17.4	16.5	
G137.0	16.6	16.5	16.5	16.2	17.8	17.8	17.9	17.8	16.6	
G138.0	17.1	16.8	16.9	16.7	18.4	18.1	18.3	18.2	17.1	
G139.0	17.6	17.2	17.1	17.1	18.8	18.5	18.8	18.7	17.6	
G140.0	17.9	17.6	17.6	17.6	19.0	19.0	19.3	19.2	17.9	
G141.0	18.4	18.1	18.3	17.8	19.7	19.4	19.5	19.7	18.4	
G142.0	18.8	18.5	18.7	18.4	20.0	19.7	19.8	20.0	18.8	
G143.0	19.3	18.9	18.9	18.8	20.3	20.2	20.3	20.3	19.3	
G144.0	19.5	19.4	19.4	19.3	20.6	20.5	20.6	20.8	19.5	
G145.0	19.9	19.7	19.7	19.5	20.9	21.0	21.1	21.0	19.9	
G146.0	20.4	20.3	20.4	20.2	21.4	21.3	21.4	21.4	20.4	
G147.0	20.8	20.5	20.6	20.2	21.6	21.8	21.8	21.9	20.8	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	21.0	20.9	21.0	20.9	21.8	22.0	22.0	22.3	21.0	
G149.0	21.6	21.3	21.1	21.1	22.3	22.3	22.5	22.4	21.6	
G150.0	21.6	21.5	21.6	21.5	22.6	22.5	22.6	22.8	21.6	
G151.0	22.1	21.9	22.0	21.8	23.0	22.8	23.1	22.9	22.1	
G152.0	22.6	22.3	22.4	22.0	23.1	23.0	23.3	23.3	22.6	
G153.0	22.9	22.5	22.6	22.4	23.3	23.5	23.8	23.4	22.9	
G154.0	23.0	22.9	23.0	22.8	23.9	23.6	23.9	23.9	23.0	
G155.0	23.4	23.1	23.3	23.0	24.0	23.9	24.1	24.0	23.4	
G156.0	23.5	23.5	23.6	23.3	24.2	24.1	24.6	24.2	23.5	
G157.0	23.9	23.9	23.8	23.5	24.5	24.2	24.7	24.5	23.9	
G158.0	24.2	23.8	24.1	23.9	24.7	24.6	24.9	24.7	24.2	
G159.0	24.1	24.0	24.2	24.1	25.0	24.7	25.4	24.9	24.1	
G160.0	24.5	24.2	24.5	24.1	25.1	25.0	25.4	25.1	24.5	
G161.0	24.6	24.5	24.6	24.5	25.4	25.1	25.9	25.2	24.6	
G162.0	25.2	24.7	25.0	24.7	25.6	25.5	25.7	25.6	25.2	
G163.0	25.2	25.0	25.1	24.7	25.6	25.5	25.7	25.6	25.2	
G164.0	25.6	25.1	25.4	25.0	25.7	25.6	26.3	25.6	25.6	
G165.0	25.6	25.5	25.5	25.1	26.0	26.0	26.5	26.2	25.6	
G166.0	26.1	25.6	25.9	25.6	26.2	26.1	26.5	26.0	26.1	
G167.0	26.1	25.9	25.9	25.7	26.5	26.3	26.6	26.5	26.1	
G168.0	26.2	25.9	26.2	25.7	26.6	26.6	26.8	26.6	26.2	
G169.0	26.6	26.1	26.3	26.1	26.7	26.6	27.0	26.6	26.6	
G170.0	26.7	26.2	26.6	26.1	27.0	26.6	27.0	26.7	26.7	
G171.0	26.8	26.3	26.7	26.1	27.0	26.7	27.3	26.8	26.8	
G172.0	27.1	26.7	27.0	26.5	27.1	26.8	27.3	26.8	27.1	
G173.0	27.1	26.6	27.2	26.6	27.2	27.0	27.3	27.0	27.1	
G174.0	27.2	26.7	27.2	26.7	27.5	26.8	27.3	26.8	27.2	
G175.0	27.2	27.0	27.5	26.8	27.2	26.8	27.2	27.0	27.2	
G176.0	27.8	27.1	27.5	26.8	27.1	26.8	27.2	26.8	27.8	
G177.0	27.7	26.8	27.5	27.1	27.5	26.8	27.2	26.7	27.7	
G178.0	27.6	27.0	27.7	27.0	27.2	27.1	27.5	27.1	27.6	
G179.0	28.0	27.0	27.6	27.0	27.5	27.0	27.5	27.0	28.0	
G180.0	28.0	27.0	27.5	27.0	27.7	27.1	27.7	27.1	28.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 10.144 m

Humidity:

Inspector: