

Report No.:

Test Time: 2015-05-11 09:41

Luminaire Property

Luminaire Manufacturer: P.Q.L., Inc.
Luminaire Description: 83235
Lumens per Lamp: 6095.1 lm
Luminous Width (mm): 0 mm
Voltage: 278.1 V
Power: 71.80 W

Number of Lamps: 1
Luminous Length (mm): 0 mm
Luminous Height (mm): 0 mm
Current: 0.283 A
Power Factor: 0.910

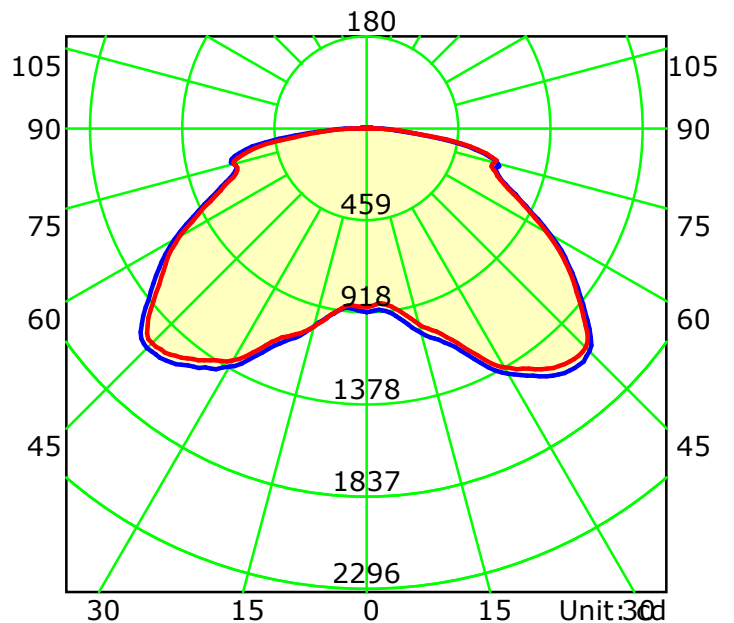
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 6095.1 lm
Measurement Flux: 6095.1 lm	Efficiency: 100.00%
Downward Ratio: 98.19%	Upward Ratio: 1.81%
Horizontal Diffuse Angle(10%,25%,50%,75%): H173.5,H165.2,H134.8,H115.2	
Vertical Diffuse Angle(10%,25%,50%,75%): V173.7,V165.1,V135,V115.4	
Luminaire Efficacy Rating (LER): 84.94	Central Intensity: 915.77 cd
Max. Intensity: 1590.07 cd	Pos of Max. Intensity: H0 V43
S/MH(C0/C180): 2.21	S/MH(C90/C270): 2.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



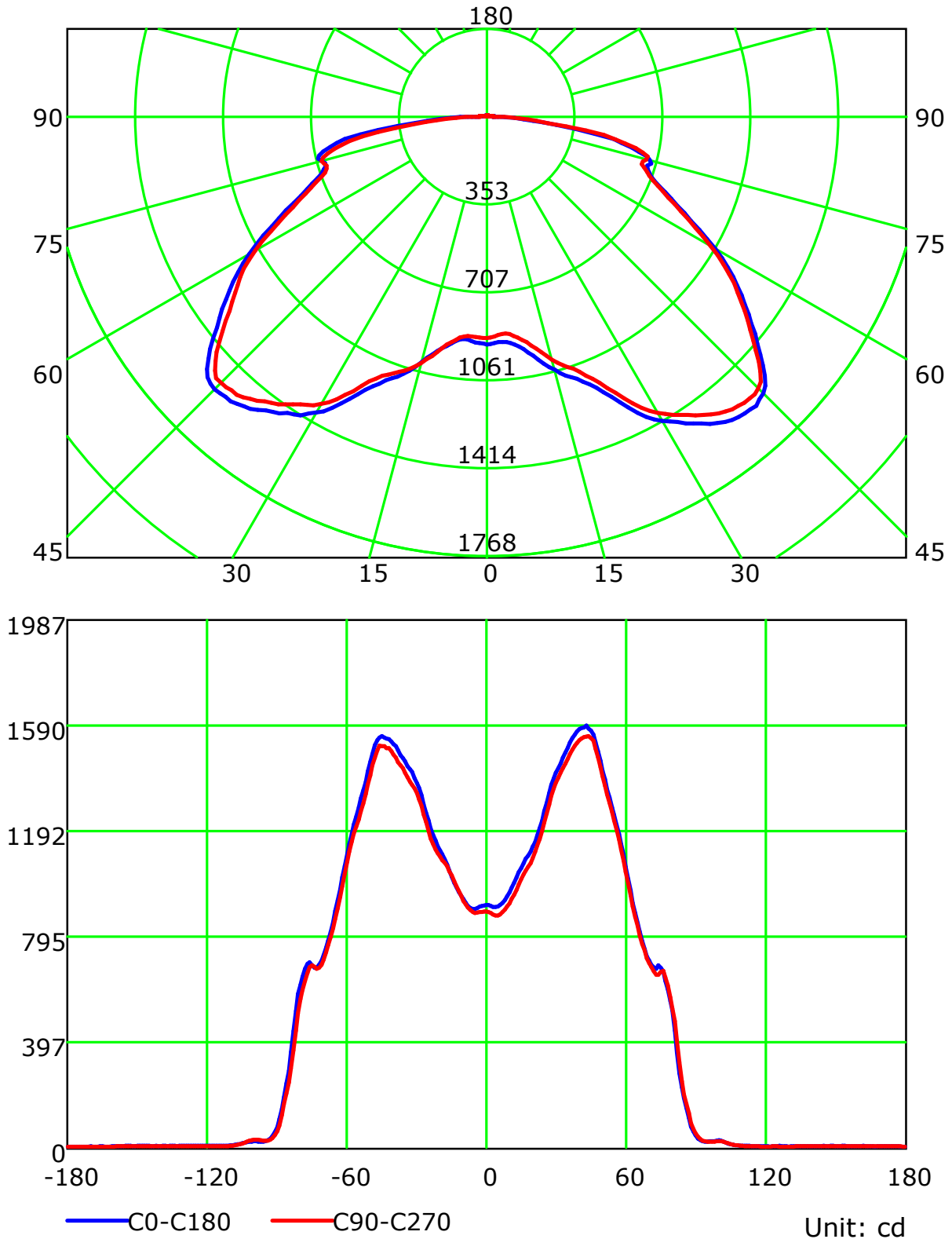
Average Diffuse Angle(50%): 134.3°

— 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: 8.567 m
Humidity:
Inspector:

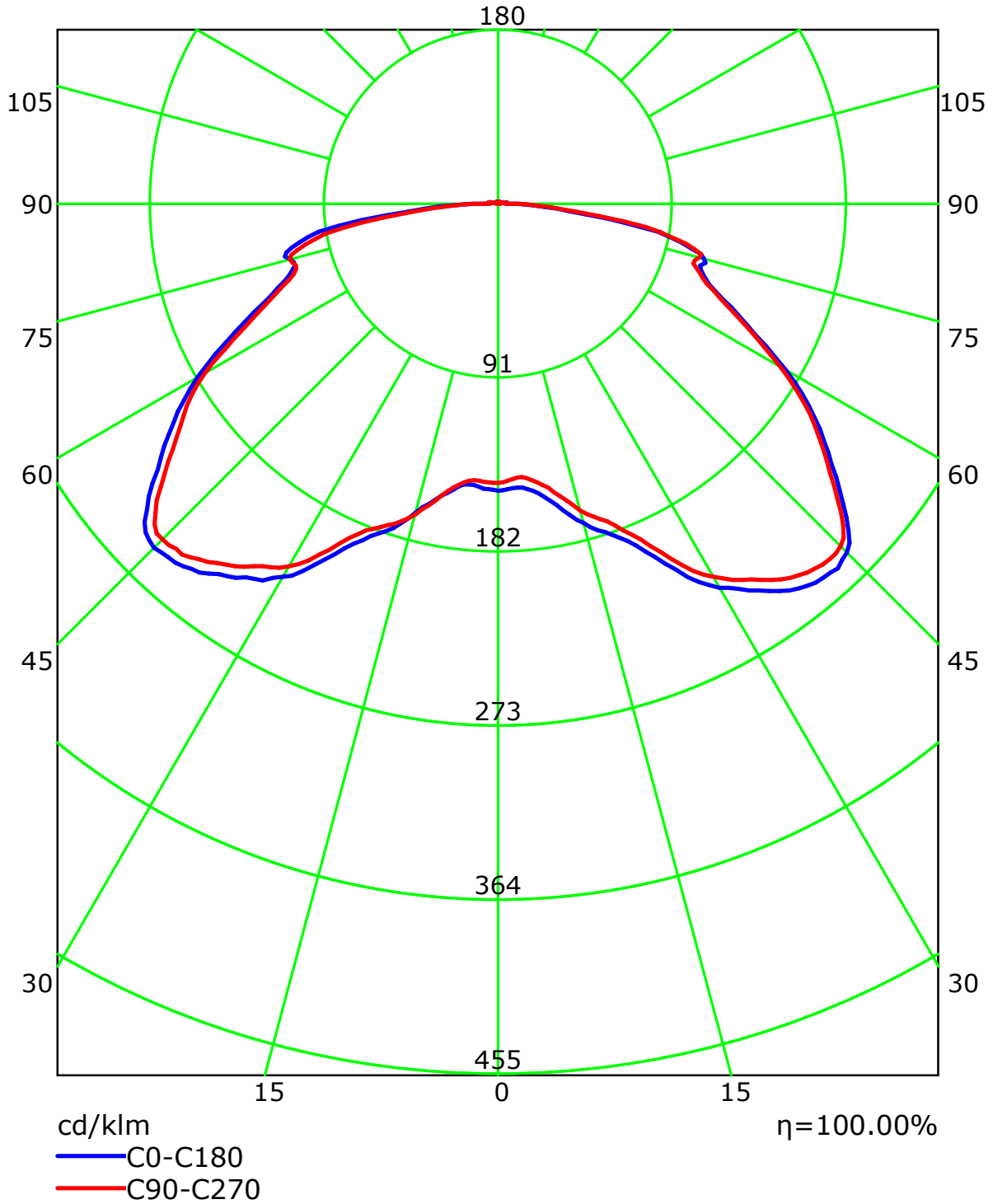
Luminous Intensity Distribution Curve



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: 8.567 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



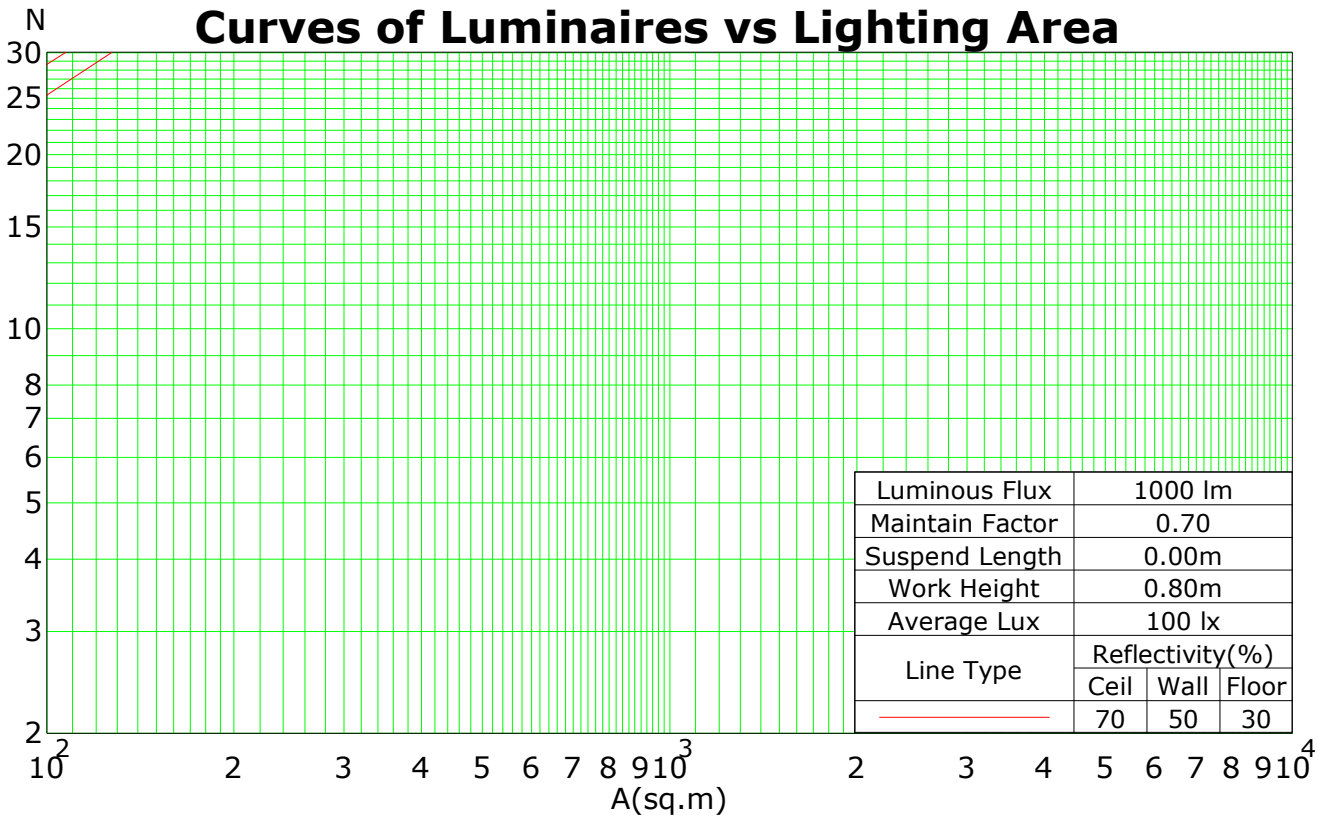
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.567 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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	106	100	95	90	103	97	93	88	93	89	85	88	85	82	84	82	79	77
2	95	85	77	70	92	83	75	69	79	73	67	75	70	65	72	67	64	61
3	85	73	64	56	82	71	62	55	68	60	54	65	58	53	62	56	52	49
4	77	63	54	46	74	62	53	46	59	51	45	56	49	44	54	48	43	40
5	70	56	46	38	68	55	45	38	52	44	37	50	43	37	48	41	36	34
6	64	50	40	33	62	48	39	32	46	38	32	44	37	31	43	36	31	29
7	59	44	35	28	57	43	34	28	42	33	27	40	33	27	38	32	27	24
8	55	40	31	24	53	39	30	24	38	30	24	36	29	24	35	28	23	21
9	51	36	27	21	49	36	27	21	34	26	21	33	26	21	32	25	20	19
10	47	33	25	19	46	32	24	19	31	24	19	30	23	18	29	23	18	16

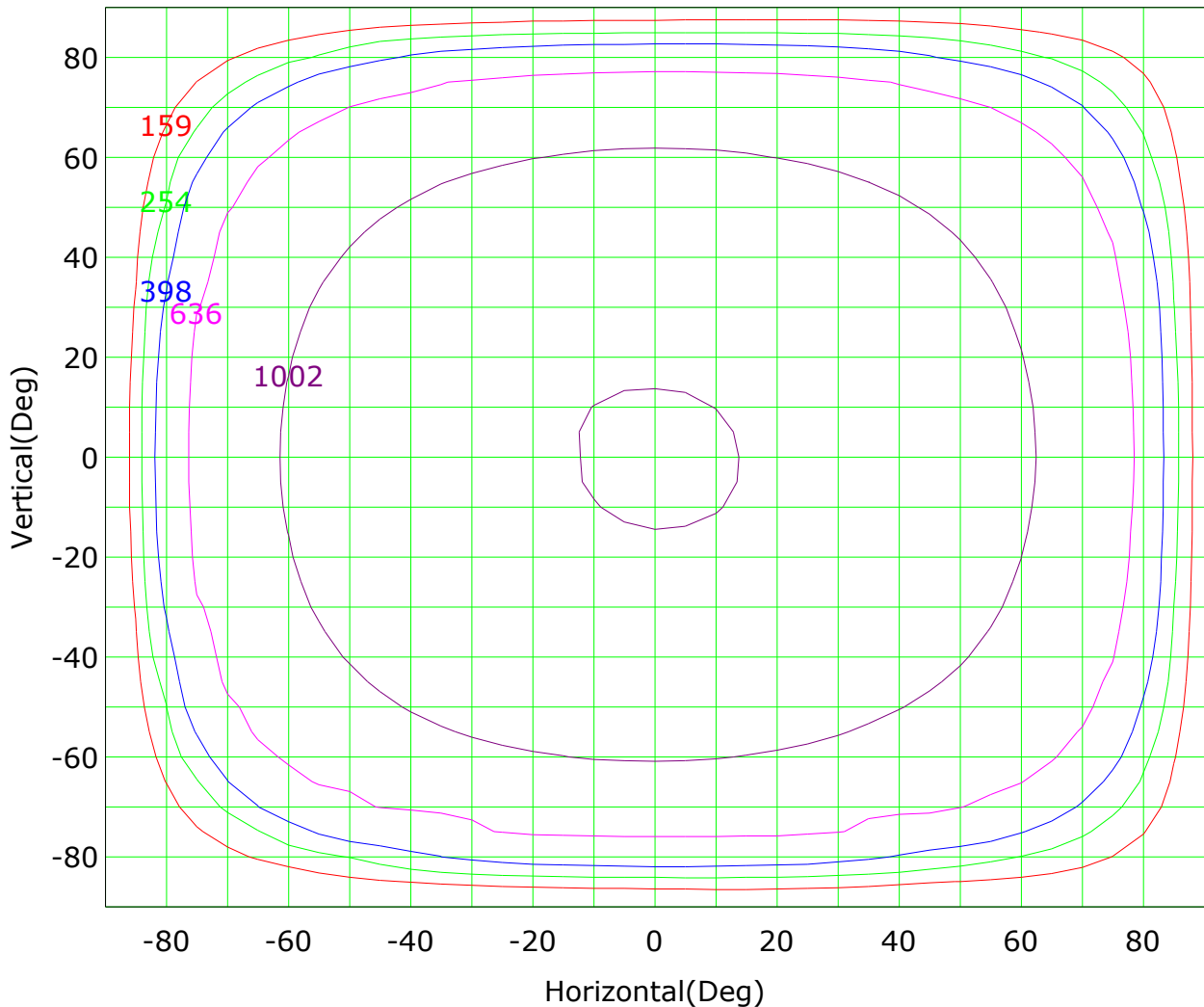
Spacing Criteria (0-180): 2.21
 Spacing Criteria (90-270): 2.21
 Spacing Criteria (Diagonal): 2.04



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: 8.567 m
 Humidity:
 Inspector:

Isocandela (rectangle)



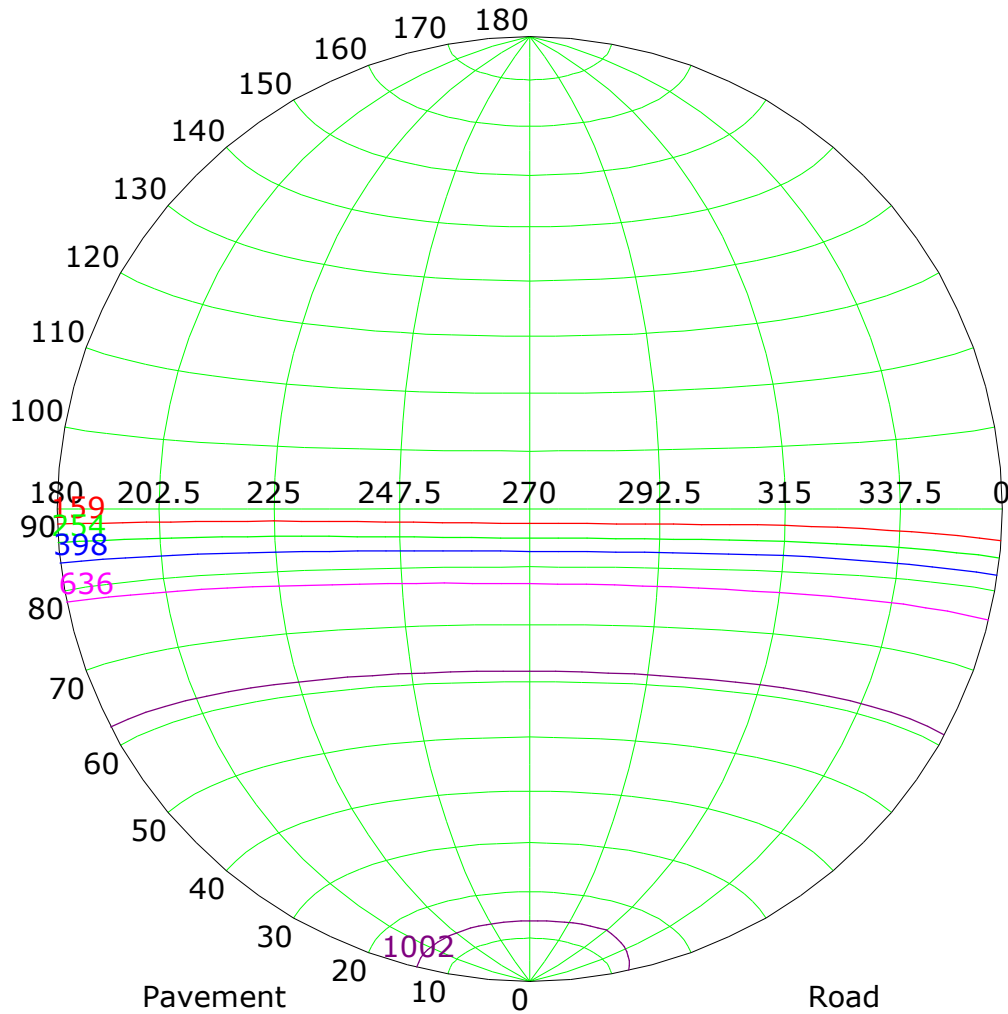
Imax (100%): 1590 cd

- | | |
|-----------------|-----------------|
| (10%): 159 cd | (16%): 254 cd |
| (25%): 398 cd | (40%): 636 cd |
| (63%): 1002 cd | (100%): 1590 cd |

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: 8.567 m
Humidity:
Inspector:

Isocandela (sphere)



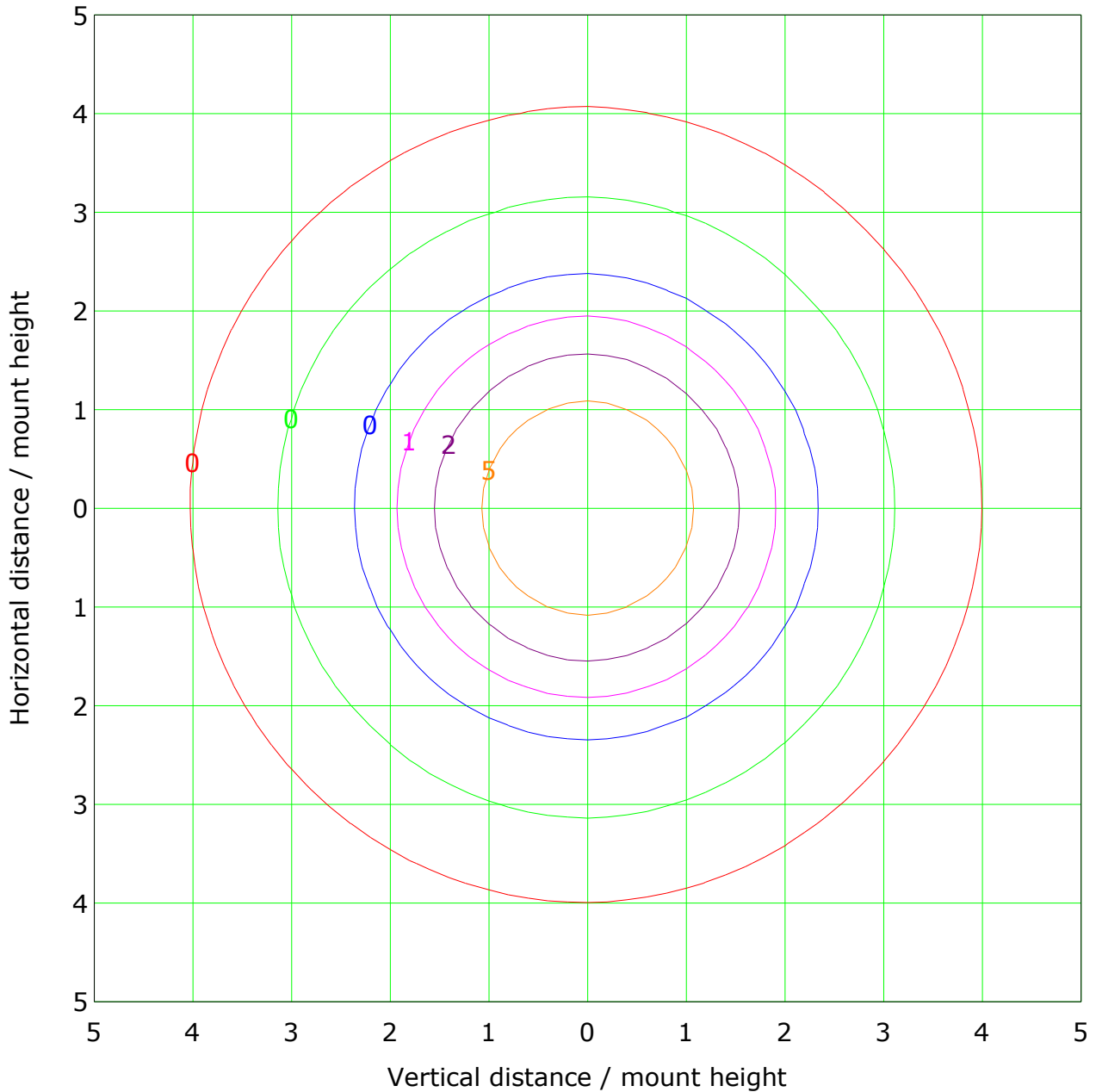
Imax (100%): 1590 cd

(10%): 159 cd	(16%): 254 cd
(25%): 398 cd	(40%): 636 cd
(63%): 1002 cd	(100%): 1590 cd

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: 8.567 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 9.5 lx

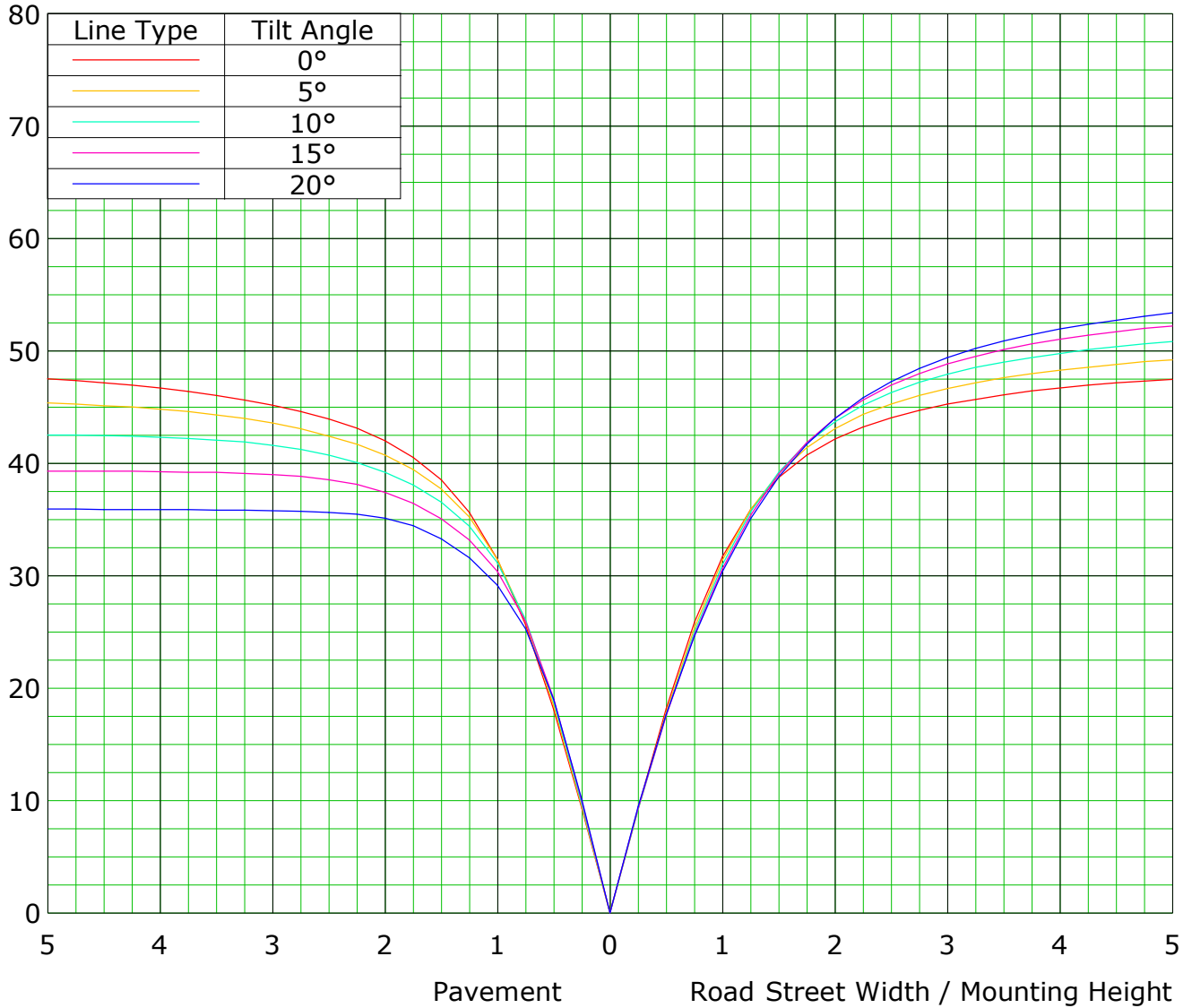
(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.5 lx	(10%): 1.0 lx
(20%): 1.9 lx	(50%): 4.8 lx
(100%): 9.5 lx	

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: 8.567 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



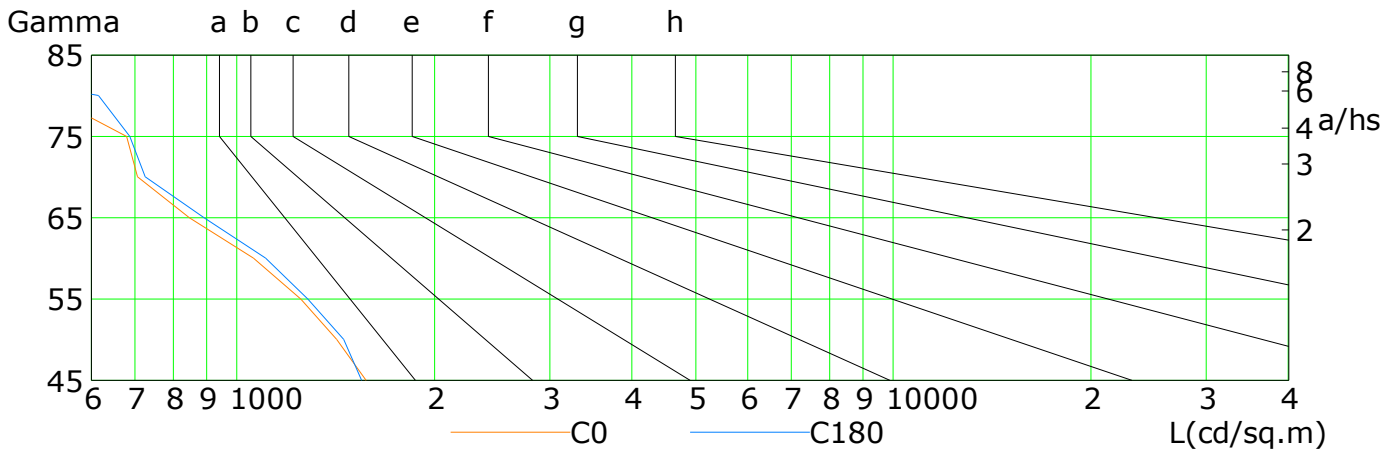
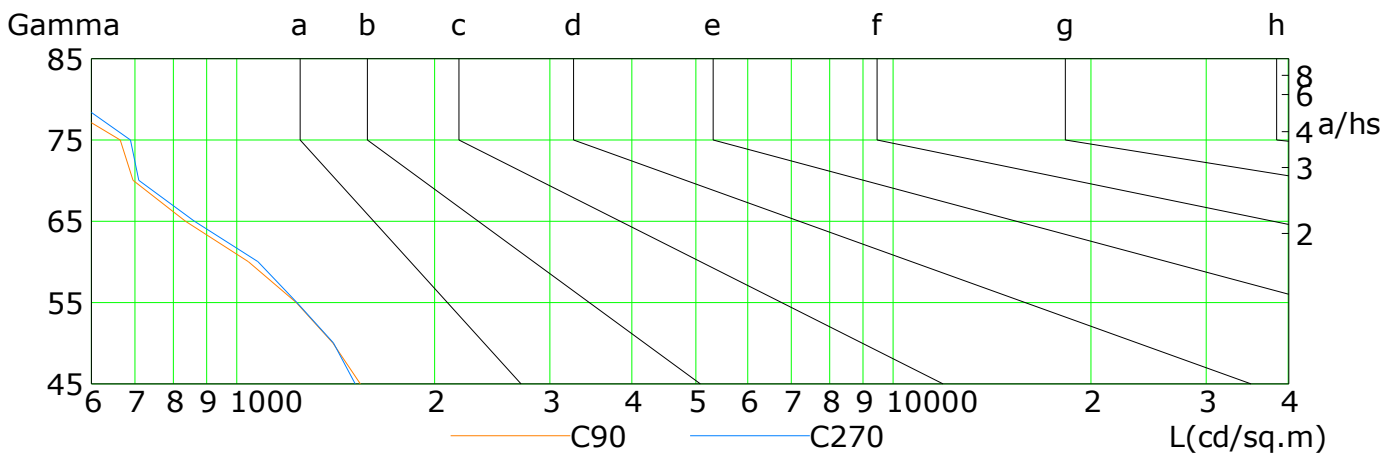
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

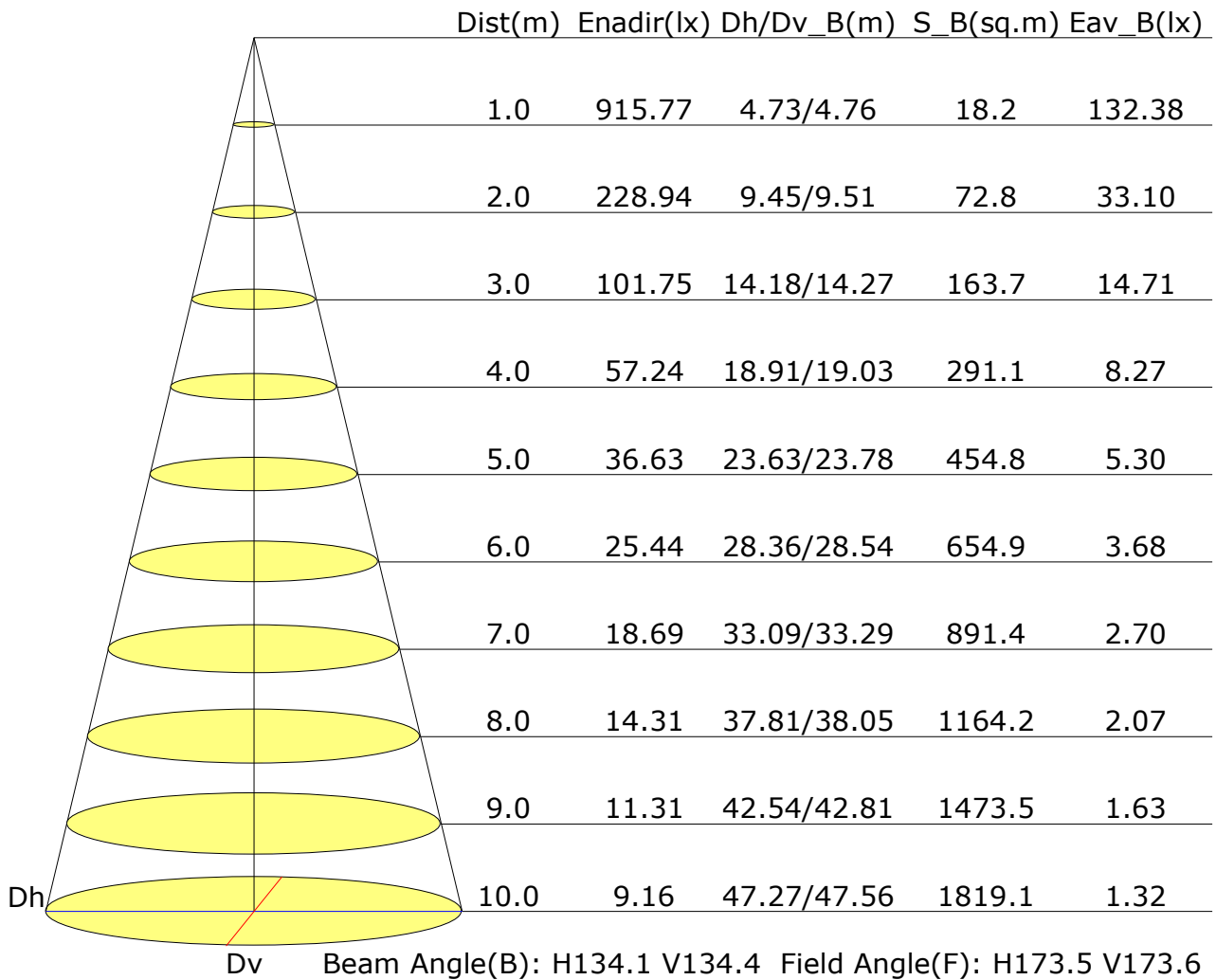


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1573	1421	1253	1060	847	705	679	518	188
C90	1544	1400	1234	1041	835	696	664	526	201
C180	1551	1454	1282	1106	892	726	687	615	290
C270	1514	1404	1236	1078	862	709	689	561	246

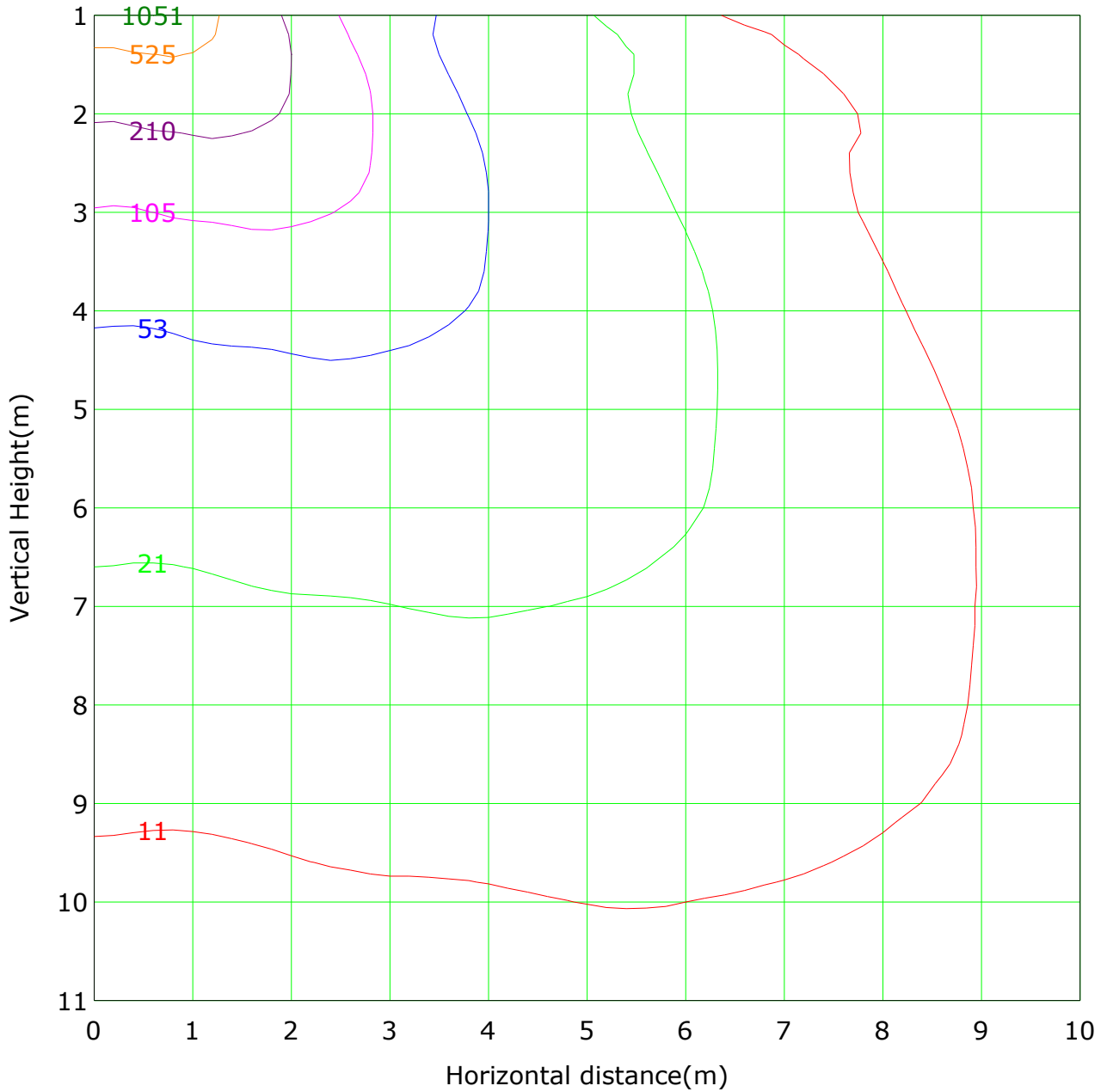
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1050.6 lx
— (1%): 10.5 lx — (2%): 21.0 lx
— (5%): 52.5 lx — (10%): 105.1 lx
— (20%): 210.1 lx — (50%): 525.3 lx
— (100%):1050.6 lx

Tel:
Fax:

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)	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.1	1.1	1.1	1.0	0.9	0.7	0.6	0.5	0.3	0.2	13.0	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	1.0	1.9	3.1	4.2	4.9	5.2	5.3	5.3	5.4	5.4	5.2	5.2	5.1	4.8	4.1	2.9	1.8	0.9	71.7	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	2.0	4.8	7.7	8.7	9.0	9.6	10.5	10.5	11.2	11.6	11.2	10.5	9.6	8.8	8.5	7.4	4.4	1.7	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	3.3	8.8	11.8	12.5	14.9	17.7	20.0	20.0	21.5	22.3	21.5	20.0	17.7	14.4	12.1	11.4	8.0	2.8	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	4.7	12.6	14.9	18.2	23.4	27.5	30.6	30.6	32.3	32.8	32.3	30.6	27.5	23.4	17.3	14.3	11.6	3.8	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	6.1	15.7	18.4	25.0	31.7	36.6	38.0	38.0	37.2	36.4	36.8	38.0	36.6	31.7	23.7	17.5	14.7	5.0	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	7.3	17.9	21.9	31.0	38.7	41.9	40.1	40.1	36.8	34.5	39.3	40.1	41.9	38.7	29.9	20.9	17.0	6.1	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	8.1	19.3	24.8	35.3	43.3	43.3	38.9	38.9	33.5	30.7	37.6	38.9	43.3	43.3	34.5	23.8	18.6	6.9	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	8.4	20.0	26.4	37.5	45.2	43.2	37.1	37.1	31.6	27.8	37.6	37.1	43.2	45.2	37.0	25.5	19.4	7.3	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	8.3	20.0	26.3	37.4	45.2	43.1	37.0	37.0	31.3	27.7	37.6	37.0	43.1	45.2	37.0	25.5	19.4	7.2	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	7.8	19.1	24.7	35.1	43.3	43.0	38.4	38.4	33.0	30.9	37.6	38.4	41.8	43.3	34.7	24.0	18.4	6.7	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	6.8	17.5	21.7	30.7	38.7	41.8	39.5	39.5	36.7	35.0	37.3	39.5	41.8	38.7	30.3	21.2	16.8	5.8	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	5.6	15.2	18.0	24.6	31.4	36.7	38.2	38.2	32.3	27.3	37.3	38.2	36.7	31.4	24.1	17.7	14.3	4.6	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	4.1	11.9	14.6	17.8	22.9	27.1	30.4	30.4	21.0	17.3	32.3	30.4	27.1	22.9	17.5	11.0	11.0	3.3	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	2.7	7.8	11.3	12.2	14.4	17.2	19.5	19.5	11.0	8.3	21.0	19.5	17.2	14.4	11.0	6.6	7.1	2.2	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	1.5	3.8	6.9	8.4	9.4	9.4	10.1	10.1	5.1	3.4	11.1	10.1	9.4	8.8	6.6	4.2	3.4	1.3	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	0.6	1.3	2.3	3.4	4.2	4.7	5.0	5.0	2.3	1.5	5.1	5.0	4.7	4.2	3.3	2.1	1.2	0.6	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.3	0.2	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	78.8	198.3	255.7	343.1	421.1	449.5	440.3	440.2	419.2	405.4	405.3	405.1	405.3	405.1	419.0	418.9	418.3	49.4	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948
Flux(E)	Flux(T)	64.0	197.3	255.3	342.9	420.9	449.4	440.2	440.2	419.1	405.3	405.3	405.1	405.3	405.1	419.0	418.9	418.3	49.4	148.72	11.4	70.0	147.02	260.33	387.14	481.95	531.85	547.65	549.95	550.85	549.85	534.94	485.03	383.72	251.51	137.9	60.8	6.5	5948

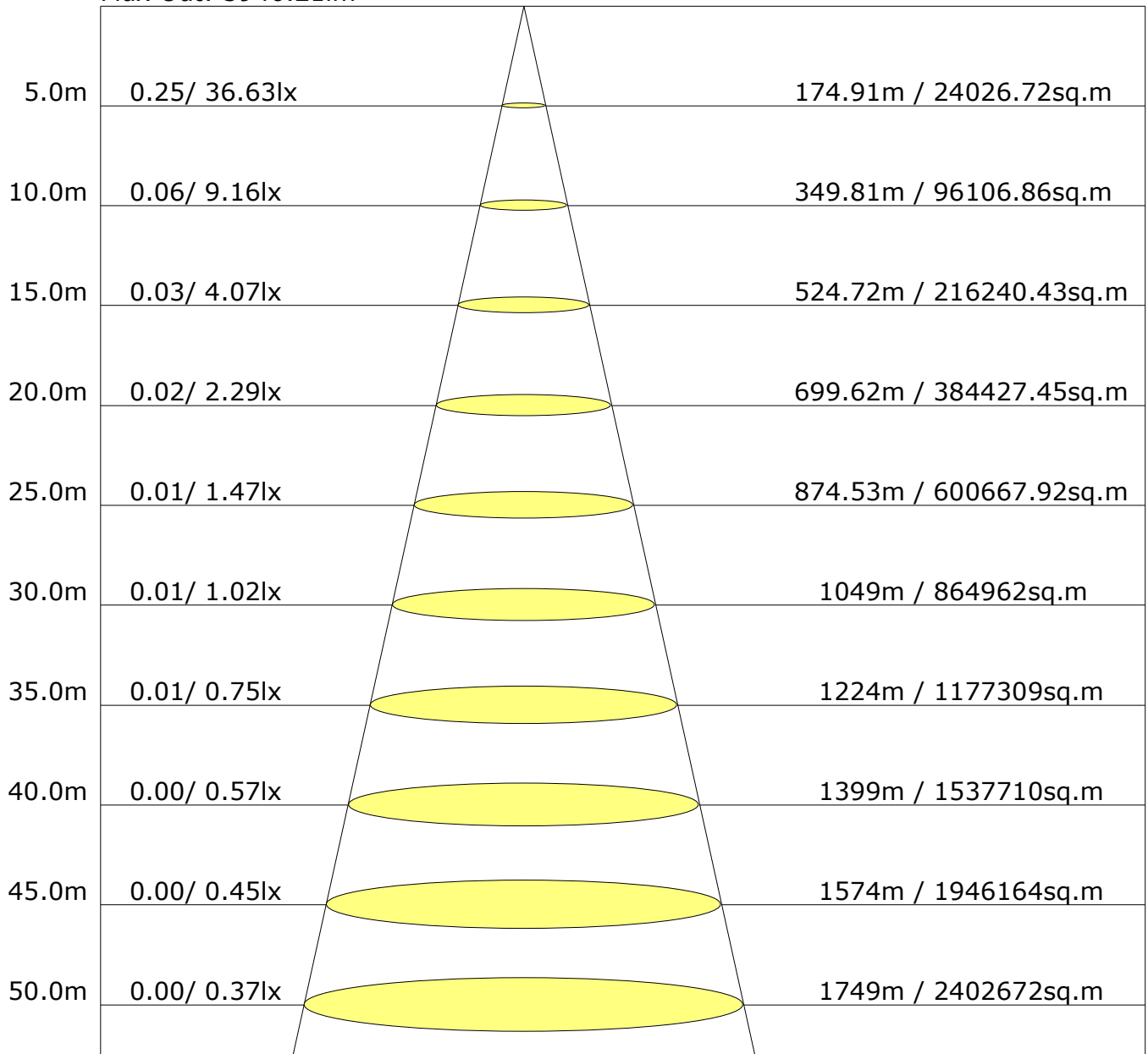
Horizontal plane

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: 8.567 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 5946.21lm

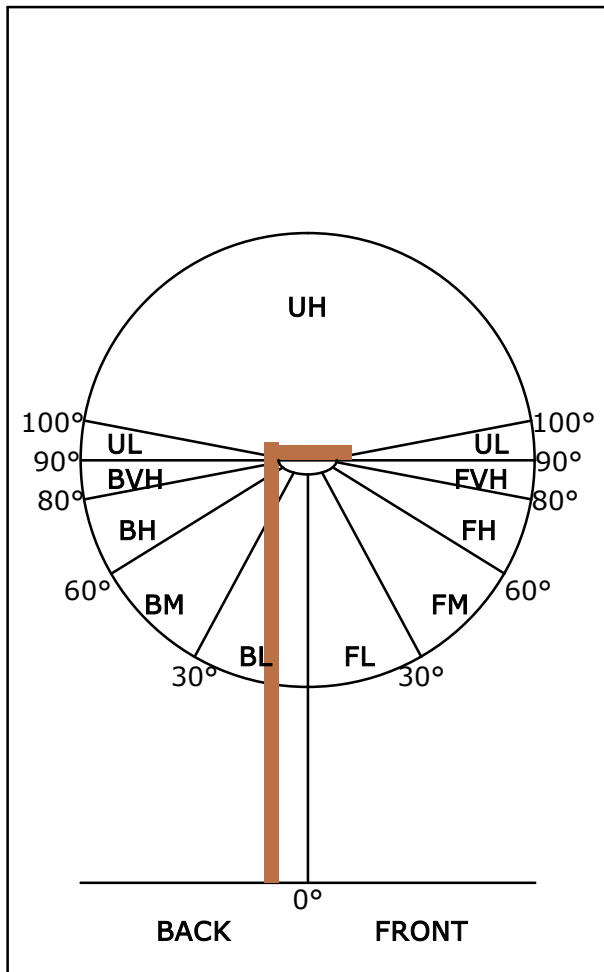


Height Avg./Nadir. E Beam Angle:173.5° Diameter / Area

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: 8.567 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



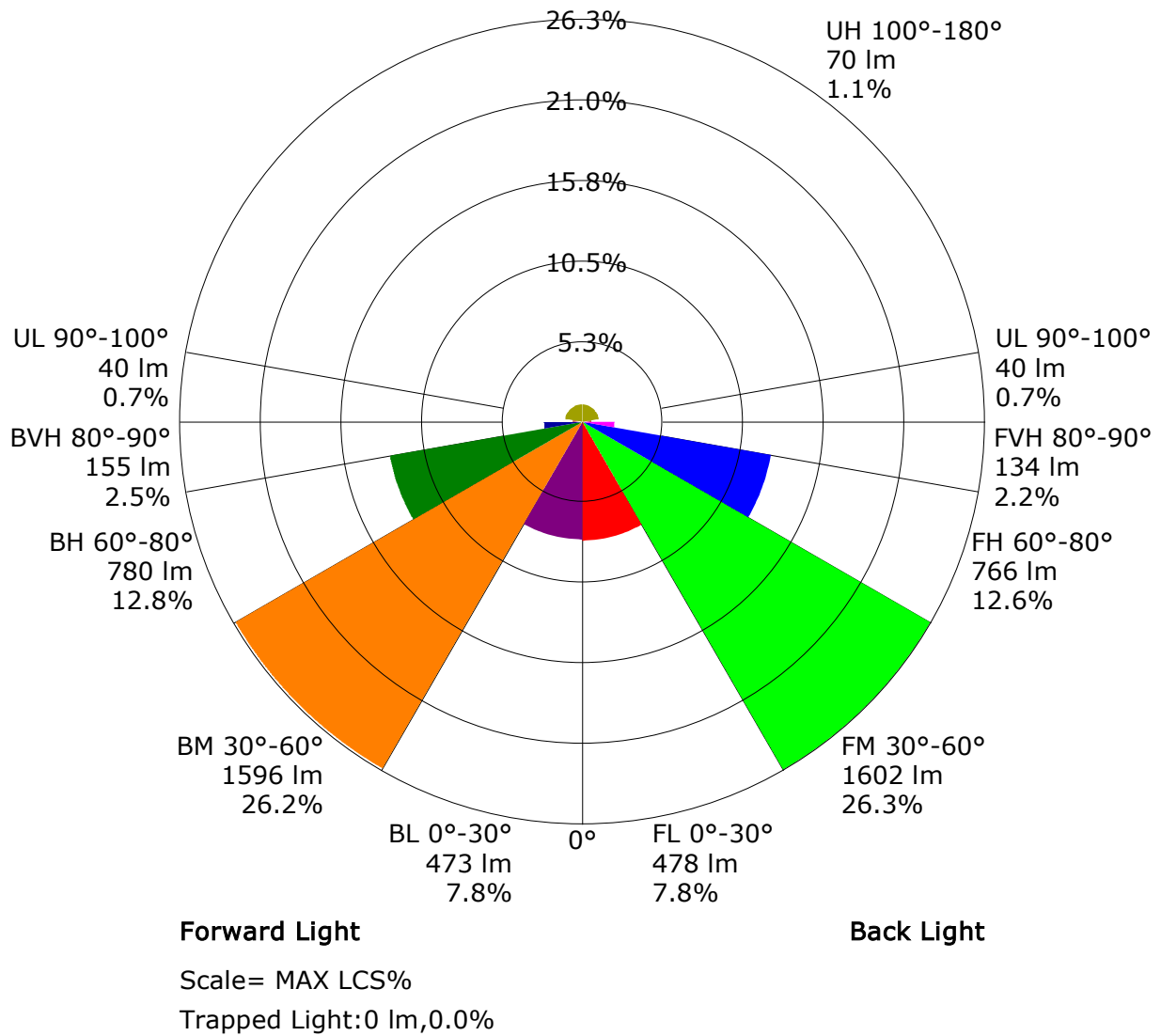
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2981	48.9
FL (0°-30°)	478	7.8
FM (30°-60°)	1602	26.3
FH (60°-80°)	766	12.6
FVH (80°-90°)	134	2.2
BACK LIGHT	3004	49.3
BL (0°-30°)	473	7.8
BM (30°-60°)	1596	26.2
BH (60°-80°)	780	12.8
BVH (80°-90°)	155	2.5
UP LIGHT	110	1.8
UL (90°-100°)	40	0.7
UH (100°-180°)	70	1.1
TRAPPED LIGHT	0	0.0

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 G1

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: 8.567 m
 Humidity:
 Inspector:

LCS Graph



Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 2.00								
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	NA	0.64	0.70	0.75	0.83	0.88	0.92	0.97	1.00
	0.30		NA	0.56	0.62	0.68	0.76	0.82	0.86	0.92	0.96
	0.20		NA	0.50	0.56	0.62	0.71	0.77	0.82	0.88	0.92
0.50	0.50	0.20	NA	0.62	0.67	0.72	0.80	0.85	0.88	0.93	0.96
	0.30		NA	0.55	0.60	0.66	0.74	0.79	0.83	0.89	0.92
	0.20		NA	0.49	0.55	0.60	0.69	0.75	0.79	0.85	0.89
0.30	0.50	0.20	NA	0.60	0.65	0.69	0.77	0.81	0.84	0.89	0.91
	0.30		NA	0.54	0.59	0.64	0.72	0.77	0.80	0.85	0.89
	0.20		NA	0.49	0.54	0.59	0.67	0.73	0.77	0.82	0.86
0.00	0.00	0.00	NA	0.46	0.51	0.56	0.64	0.69	0.72	0.78	0.81
<p>Rating:72W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 2.00								
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	NA	0.85	0.75	0.66	0.53	0.45	0.39	0.31	0.25
	0.30		NA	0.73	0.66	0.59	0.48	0.41	0.36	0.29	0.24
	0.20		NA	0.64	0.58	0.53	0.44	0.38	0.33	0.27	0.23
0.50	0.50	0.20	NA	0.82	0.72	0.64	0.51	0.46	0.37	0.29	0.24
	0.30		NA	0.71	0.64	0.57	0.47	0.40	0.35	0.28	0.23
	0.20		NA	0.63	0.57	0.52	0.43	0.37	0.33	0.26	0.22
0.30	0.50	0.20	NA	0.79	0.69	0.61	0.49	0.41	0.35	0.28	0.23
	0.30		NA	0.69	0.62	0.55	0.45	0.38	0.33	0.27	0.22
	0.20		NA	0.62	0.56	0.51	0.42	0.36	0.32	0.25	0.21
0.00	0.00	0.00	0.98	0.52	0.47	0.42	0.34	0.29	0.26	0.21	0.17
<p>Rating:72W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 2.00								
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	NA	0.20	0.21	0.21	0.22	0.23	0.23	0.23	0.24
	0.30		NA	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		NA	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	NA	0.19	0.20	0.20	0.21	0.22	0.22	0.22	0.23
	0.30		NA	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		NA	0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	NA	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22
	0.30		NA	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		NA	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:72W 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	896.8	0.9	0.9	0.01	0.01
1.0-2.0	894.8	2.6	3.4	0.04	0.06
2.0-3.0	891.8	4.3	7.7	0.07	0.13
3.0-4.0	889.3	6.0	13.6	0.10	0.22
4.0-5.0	887.7	7.6	21.3	0.13	0.35
5.0-6.0	888.5	9.3	30.6	0.15	0.50
6.0-7.0	893.1	11.1	41.7	0.18	0.68
7.0-8.0	901.3	12.9	54.6	0.21	0.90
8.0-9.0	912.0	14.8	69.4	0.24	1.14
9.0-10.0	924.4	16.7	86.1	0.27	1.41
10.0-11.0	939.2	18.8	104.9	0.31	1.72
11.0-12.0	956.3	20.9	125.8	0.34	2.06
12.0-13.0	974.7	23.1	148.9	0.38	2.44
13.0-14.0	993.8	25.4	174.4	0.42	2.86
14.0-15.0	1013.5	27.8	202.2	0.46	3.32
15.0-16.0	1032.6	30.3	232.5	0.50	3.81
16.0-17.0	1050.5	32.7	265.2	0.54	4.35
17.0-18.0	1067.4	35.2	300.4	0.58	4.93
18.0-19.0	1082.4	37.7	338.0	0.62	5.55
19.0-20.0	1097.2	40.2	378.2	0.66	6.21
20.0-21.0	1114.3	42.8	421.0	0.70	6.91
21.0-22.0	1133.9	45.6	466.6	0.75	7.65
22.0-23.0	1155.4	48.5	515.1	0.80	8.45
23.0-24.0	1179.9	51.6	566.7	0.85	9.30
24.0-25.0	1208.5	55.0	621.6	0.90	10.20
25.0-26.0	1240.0	58.5	680.2	0.96	11.16
26.0-27.0	1272.0	62.2	742.4	1.02	12.18
27.0-28.0	1303.7	66.0	808.4	1.08	13.26
28.0-29.0	1332.7	69.7	878.1	1.14	14.41
29.0-30.0	1356.1	73.2	951.4	1.20	15.61
30.0-31.0	1375.8	76.6	1027.9	1.26	16.87
31.0-32.0	1395.1	79.9	1107.9	1.31	18.18
32.0-33.0	1413.2	83.3	1191.1	1.37	19.54
33.0-34.0	1429.6	86.5	1277.7	1.42	20.96
34.0-35.0	1446.0	89.8	1367.5	1.47	22.44
35.0-36.0	1462.2	93.1	1460.6	1.53	23.96

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: 8.567 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	1477.5	96.4	1557.0	1.58	25.54
37.0-38.0	1492.6	99.6	1656.6	1.63	27.18
38.0-39.0	1507.0	102.9	1759.5	1.69	28.87
39.0-40.0	1519.1	106.0	1865.5	1.74	30.61
40.0-41.0	1528.2	108.8	1974.3	1.79	32.39
41.0-42.0	1535.1	111.5	2085.8	1.83	34.22
42.0-43.0	1539.4	114.0	2199.9	1.87	36.09
43.0-44.0	1540.9	116.3	2316.2	1.91	38.00
44.0-45.0	1540.0	118.4	2434.6	1.94	39.94
45.0-46.0	1533.6	120.0	2554.5	1.97	41.91
46.0-47.0	1518.8	120.8	2675.3	1.98	43.89
47.0-48.0	1496.0	120.9	2796.3	1.98	45.88
48.0-49.0	1466.4	120.4	2916.7	1.98	47.85
49.0-50.0	1432.4	119.4	3036.2	1.96	49.81
50.0-51.0	1396.9	118.2	3154.4	1.94	51.75
51.0-52.0	1361.2	116.8	3271.2	1.92	53.67
52.0-53.0	1327.1	115.5	3386.6	1.89	55.56
53.0-54.0	1294.6	114.1	3500.8	1.87	57.44
54.0-55.0	1262.3	112.7	3613.5	1.85	59.28
55.0-56.0	1229.9	111.1	3724.6	1.82	61.11
56.0-57.0	1197.4	109.5	3834.1	1.80	62.90
57.0-58.0	1163.1	107.6	3941.7	1.76	64.67
58.0-59.0	1126.1	105.3	4047.0	1.73	66.40
59.0-60.0	1086.4	102.6	4149.6	1.68	68.08
60.0-61.0	1044.3	99.7	4249.3	1.64	69.72
61.0-62.0	1001.4	96.5	4345.8	1.58	71.30
62.0-63.0	957.9	93.2	4439.0	1.53	72.83
63.0-64.0	915.4	89.8	4528.8	1.47	74.30
64.0-65.0	875.2	86.6	4615.4	1.42	75.72
65.0-66.0	837.6	83.6	4699.0	1.37	77.10
66.0-67.0	802.1	80.7	4779.7	1.32	78.42
67.0-68.0	769.3	77.9	4857.6	1.28	79.70
68.0-69.0	740.1	75.5	4933.1	1.24	80.94
69.0-70.0	714.4	73.4	5006.5	1.20	82.14
70.0-71.0	694.1	71.8	5078.3	1.18	83.32
71.0-72.0	679.2	70.6	5148.9	1.16	84.48

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: 8.567 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	668.8	69.9	5218.8	1.15	85.62
73.0-74.0	667.1	70.1	5289.0	1.15	86.77
74.0-75.0	671.5	71.0	5359.9	1.16	87.94
75.0-76.0	672.6	71.4	5431.4	1.17	89.11
76.0-77.0	660.7	70.5	5501.8	1.16	90.27
77.0-78.0	636.2	68.1	5569.9	1.12	91.38
78.0-79.0	604.5	65.0	5634.9	1.07	92.45
79.0-80.0	568.2	61.3	5696.1	1.01	93.45
80.0-81.0	524.2	56.7	5752.8	0.93	94.38
81.0-82.0	463.9	50.3	5803.2	0.83	95.21
82.0-83.0	390.9	42.5	5845.7	0.70	95.91
83.0-84.0	318.6	34.7	5880.4	0.57	96.48
84.0-85.0	259.7	28.3	5908.7	0.47	96.94
85.0-86.0	214.1	23.4	5932.1	0.38	97.33
86.0-87.0	173.7	19.0	5951.1	0.31	97.64
87.0-88.0	134.8	14.8	5965.9	0.24	97.88
88.0-89.0	100.1	11.0	5976.9	0.18	98.06
89.0-90.0	73.1	8.0	5984.9	0.13	98.19
90.0-91.0	53.9	5.9	5990.8	0.10	98.29
91.0-92.0	41.2	4.5	5995.3	0.07	98.36
92.0-93.0	33.4	3.7	5999.0	0.06	98.42
93.0-94.0	29.2	3.2	6002.2	0.05	98.48
94.0-95.0	28.4	3.1	6005.3	0.05	98.53
95.0-96.0	30.1	3.3	6008.6	0.05	98.58
96.0-97.0	33.1	3.6	6012.2	0.06	98.64
97.0-98.0	36.7	4.0	6016.2	0.07	98.70
98.0-99.0	40.1	4.4	6020.5	0.07	98.78
99.0-100.0	42.7	4.6	6025.1	0.08	98.85
100.0-101.0	44.2	4.8	6029.9	0.08	98.93
101.0-102.0	44.9	4.8	6034.7	0.08	99.01
102.0-103.0	44.2	4.7	6039.5	0.08	99.09
103.0-104.0	42.0	4.5	6043.9	0.07	99.16
104.0-105.0	39.5	4.2	6048.1	0.07	99.23
105.0-106.0	36.4	3.9	6052.0	0.06	99.29
106.0-107.0	31.9	3.4	6055.3	0.06	99.35
107.0-108.0	26.6	2.8	6058.1	0.05	99.39

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: 8.567 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	21.9	2.3	6060.4	0.04	99.43
109.0-110.0	18.8	1.9	6062.3	0.03	99.46
110.0-111.0	16.6	1.7	6064.0	0.03	99.49
111.0-112.0	14.6	1.5	6065.5	0.02	99.51
112.0-113.0	12.4	1.3	6066.8	0.02	99.54
113.0-114.0	10.5	1.1	6067.8	0.02	99.55
114.0-115.0	9.6	1.0	6068.8	0.02	99.57
115.0-116.0	9.1	0.9	6069.7	0.01	99.58
116.0-117.0	8.3	0.8	6070.5	0.01	99.60
117.0-118.0	7.9	0.8	6071.3	0.01	99.61
118.0-119.0	7.7	0.7	6072.0	0.01	99.62
119.0-120.0	7.7	0.7	6072.8	0.01	99.63
120.0-121.0	8.0	0.8	6073.5	0.01	99.65
121.0-122.0	8.3	0.8	6074.3	0.01	99.66
122.0-123.0	8.4	0.8	6075.1	0.01	99.67
123.0-124.0	8.3	0.8	6075.8	0.01	99.68
124.0-125.0	8.3	0.8	6076.6	0.01	99.70
125.0-126.0	8.5	0.8	6077.3	0.01	99.71
126.0-127.0	8.5	0.7	6078.1	0.01	99.72
127.0-128.0	8.2	0.7	6078.8	0.01	99.73
128.0-129.0	8.1	0.7	6079.5	0.01	99.74
129.0-130.0	7.8	0.7	6080.2	0.01	99.75
130.0-131.0	7.6	0.6	6080.8	0.01	99.77
131.0-132.0	7.5	0.6	6081.4	0.01	99.78
132.0-133.0	7.6	0.6	6082.0	0.01	99.79
133.0-134.0	7.7	0.6	6082.6	0.01	99.80
134.0-135.0	7.6	0.6	6083.2	0.01	99.81
135.0-136.0	7.5	0.6	6083.8	0.01	99.81
136.0-137.0	7.4	0.6	6084.4	0.01	99.82
137.0-138.0	7.3	0.5	6084.9	0.01	99.83
138.0-139.0	7.2	0.5	6085.4	0.01	99.84
139.0-140.0	6.9	0.5	6085.9	0.01	99.85
140.0-141.0	6.6	0.5	6086.4	0.01	99.86
141.0-142.0	6.6	0.5	6086.8	0.01	99.86
142.0-143.0	6.6	0.4	6087.3	0.01	99.87
143.0-144.0	6.6	0.4	6087.7	0.01	99.88

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: 8.567 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	6.7	0.4	6088.1	0.01	99.89
145.0-146.0	6.7	0.4	6088.5	0.01	99.89
146.0-147.0	6.6	0.4	6088.9	0.01	99.90
147.0-148.0	6.7	0.4	6089.3	0.01	99.91
148.0-149.0	6.9	0.4	6089.7	0.01	99.91
149.0-150.0	6.9	0.4	6090.1	0.01	99.92
150.0-151.0	6.7	0.4	6090.5	0.01	99.92
151.0-152.0	6.5	0.3	6090.8	0.01	99.93
152.0-153.0	6.6	0.3	6091.2	0.01	99.94
153.0-154.0	6.7	0.3	6091.5	0.01	99.94
154.0-155.0	6.5	0.3	6091.8	0.01	99.95
155.0-156.0	6.3	0.3	6092.1	0.00	99.95
156.0-157.0	6.1	0.3	6092.3	0.00	99.95
157.0-158.0	5.9	0.2	6092.6	0.00	99.96
158.0-159.0	5.9	0.2	6092.8	0.00	99.96
159.0-160.0	5.9	0.2	6093.0	0.00	99.97
160.0-161.0	5.8	0.2	6093.3	0.00	99.97
161.0-162.0	5.7	0.2	6093.5	0.00	99.97
162.0-163.0	5.5	0.2	6093.6	0.00	99.98
163.0-164.0	5.3	0.2	6093.8	0.00	99.98
164.0-165.0	5.3	0.2	6094.0	0.00	99.98
165.0-166.0	5.3	0.1	6094.1	0.00	99.98
166.0-167.0	5.2	0.1	6094.2	0.00	99.99
167.0-168.0	5.2	0.1	6094.4	0.00	99.99
168.0-169.0	5.4	0.1	6094.5	0.00	99.99
169.0-170.0	5.4	0.1	6094.6	0.00	99.99
170.0-171.0	5.4	0.1	6094.7	0.00	99.99
171.0-172.0	5.2	0.1	6094.8	0.00	99.99
172.0-173.0	5.1	0.1	6094.8	0.00	100.00
173.0-174.0	5.0	0.1	6094.9	0.00	100.00
174.0-175.0	5.0	0.1	6095.0	0.00	100.00
175.0-176.0	4.9	0.0	6095.0	0.00	100.00
176.0-177.0	4.9	0.0	6095.0	0.00	100.00
177.0-178.0	4.8	0.0	6095.1	0.00	100.00
178.0-179.0	4.6	0.0	6095.1	0.00	100.00
179.0-180.0	4.5	0.0	6095.1	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: 8.567 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	915.8	901.6	891.2	880.6	915.8	901.6	891.2	880.6	915.8	
G1.0	914.6	899.3	888.9	879.3	913.3	901.3	889.9	883.0	914.6	
G2.0	911.4	896.0	884.6	875.0	911.0	899.9	889.0	880.3	911.4	
G3.0	908.3	892.5	879.3	872.1	909.8	895.4	888.1	876.8	908.3	
G4.0	907.7	892.6	875.8	869.5	904.5	893.3	886.7	876.6	907.7	
G5.0	909.8	893.0	875.5	867.2	900.3	889.9	885.3	876.2	909.8	
G6.0	915.6	897.6	879.7	866.6	900.1	891.2	888.4	878.9	915.6	
G7.0	922.5	902.8	889.1	874.3	903.0	898.7	895.8	884.9	922.5	
G8.0	933.7	913.2	897.7	884.6	910.8	908.7	906.7	894.0	933.7	
G9.0	947.0	924.5	908.8	895.0	923.4	921.5	917.3	905.0	947.0	
G10.0	962.7	937.3	920.4	907.4	937.2	932.1	931.2	919.6	962.7	
G11.0	979.2	953.9	938.3	927.4	948.8	946.6	948.8	935.8	979.2	
G12.0	999.3	972.7	953.4	944.0	964.7	964.1	968.9	955.1	999.3	
G13.0	1019.1	993.1	971.5	960.5	982.7	982.5	988.0	975.2	1019.1	
G14.0	1038.3	1014.4	990.6	982.1	998.2	1004.9	1004.6	995.0	1038.3	
G15.0	1054.3	1034.3	1011.7	1003.6	1021.3	1024.8	1026.5	1011.7	1054.3	
G16.0	1072.7	1050.4	1030.0	1017.0	1045.3	1046.0	1042.8	1028.9	1072.7	
G17.0	1089.3	1066.7	1044.1	1035.1	1067.4	1067.2	1060.3	1044.1	1089.3	
G18.0	1101.3	1084.3	1058.9	1051.2	1087.6	1088.8	1074.9	1057.0	1101.3	
G19.0	1115.6	1098.6	1072.5	1064.2	1106.2	1100.2	1084.3	1073.3	1115.6	
G20.0	1134.1	1116.3	1092.0	1078.7	1119.8	1114.5	1097.3	1087.0	1134.1	
G21.0	1152.3	1138.2	1115.4	1099.9	1135.9	1130.6	1111.1	1106.4	1152.3	
G22.0	1176.6	1163.6	1137.8	1118.0	1158.2	1146.9	1124.1	1127.3	1176.6	
G23.0	1204.9	1191.3	1163.7	1140.2	1177.5	1166.8	1144.3	1145.7	1204.9	
G24.0	1234.1	1223.9	1195.7	1165.9	1203.4	1185.9	1165.5	1169.8	1234.1	
G25.0	1268.6	1258.7	1225.8	1196.6	1232.9	1214.4	1193.7	1201.7	1268.6	
G26.0	1299.9	1293.4	1259.9	1226.9	1262.1	1247.2	1228.0	1230.0	1299.9	
G27.0	1337.1	1326.5	1293.9	1258.1	1293.2	1281.4	1255.9	1257.8	1337.1	
G28.0	1367.3	1351.2	1326.7	1287.2	1327.0	1316.0	1288.1	1292.2	1367.3	
G29.0	1391.4	1370.4	1353.6	1315.3	1356.4	1348.7	1313.6	1317.8	1391.4	
G30.0	1413.8	1389.5	1374.8	1338.0	1373.3	1370.0	1334.7	1336.3	1413.8	
G31.0	1429.4	1406.0	1394.3	1360.5	1391.7	1389.4	1354.8	1356.7	1429.4	
G32.0	1448.7	1424.3	1414.5	1378.2	1416.0	1411.9	1366.9	1377.7	1448.7	
G33.0	1470.1	1442.7	1429.9	1394.2	1426.8	1431.4	1379.4	1398.5	1470.1	
G34.0	1488.6	1459.2	1446.3	1410.8	1438.3	1448.6	1395.2	1413.2	1488.6	
G35.0	1507.2	1473.6	1465.7	1426.5	1457.5	1462.8	1413.0	1430.0	1507.2	
G36.0	1527.3	1488.4	1483.3	1439.0	1468.0	1474.5	1429.7	1449.1	1527.3	

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: 8.567 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	1543.7	1503.4	1499.9	1455.6	1479.2	1492.4	1440.8	1466.4	1543.7	
G38.0	1557.1	1519.4	1514.7	1476.3	1497.7	1501.2	1453.6	1480.9	1557.1	
G39.0	1568.2	1530.7	1525.6	1489.4	1513.2	1516.8	1469.9	1497.3	1568.2	
G40.0	1577.4	1539.5	1535.6	1500.1	1520.8	1528.1	1481.1	1511.9	1577.4	
G41.0	1581.3	1546.1	1541.4	1512.7	1531.3	1529.3	1494.8	1520.3	1581.3	
G42.0	1584.1	1548.4	1548.0	1519.5	1540.7	1530.9	1506.0	1527.2	1584.1	
G43.0	1590.1	1552.2	1549.9	1523.3	1541.7	1530.0	1505.5	1533.5	1590.1	
G44.0	1579.1	1548.9	1551.5	1526.9	1546.2	1529.3	1512.8	1534.1	1579.1	
G45.0	1572.8	1541.2	1543.9	1526.2	1551.4	1526.7	1514.0	1535.3	1572.8	
G46.0	1557.7	1527.3	1533.6	1506.6	1545.9	1513.9	1514.5	1527.0	1557.7	
G47.0	1528.5	1501.4	1504.8	1491.1	1536.5	1503.0	1497.4	1511.3	1528.5	
G48.0	1494.4	1473.0	1472.2	1469.0	1516.3	1479.2	1469.0	1488.1	1494.4	
G49.0	1459.3	1439.3	1434.6	1431.8	1483.8	1453.3	1442.3	1456.1	1459.3	
G50.0	1420.5	1403.4	1399.8	1397.3	1454.4	1419.2	1404.0	1419.0	1420.5	
G51.0	1389.0	1366.6	1363.0	1359.1	1418.6	1386.1	1369.0	1381.1	1389.0	
G52.0	1350.5	1337.3	1331.2	1316.4	1378.5	1351.6	1334.2	1346.3	1350.5	
G53.0	1320.2	1303.7	1298.9	1287.3	1346.4	1321.4	1297.4	1312.5	1320.2	
G54.0	1282.8	1272.9	1265.8	1250.5	1316.7	1290.9	1266.9	1280.1	1282.8	
G55.0	1253.3	1243.6	1233.6	1215.0	1282.0	1259.5	1236.3	1246.5	1253.3	
G56.0	1215.3	1208.0	1199.9	1184.6	1249.0	1227.7	1210.8	1212.9	1215.3	
G57.0	1182.9	1177.1	1162.1	1153.2	1218.8	1194.2	1184.3	1177.9	1182.9	
G58.0	1143.9	1135.6	1123.9	1112.3	1181.8	1162.6	1153.9	1145.4	1143.9	
G59.0	1104.4	1095.8	1082.5	1077.6	1144.7	1127.9	1116.5	1108.5	1104.4	
G60.0	1059.9	1051.0	1040.7	1035.2	1105.7	1088.2	1077.8	1065.5	1059.9	
G61.0	1013.2	1011.8	995.9	995.3	1061.7	1046.9	1033.5	1026.9	1013.2	
G62.0	969.5	968.3	951.5	951.5	1019.3	1002.3	985.5	989.3	969.5	
G63.0	922.5	923.0	910.2	907.7	973.0	960.8	945.0	946.6	922.5	
G64.0	884.1	880.6	870.1	867.4	932.3	917.1	901.8	904.5	884.1	
G65.0	846.9	840.0	834.8	826.6	892.2	878.8	862.1	863.9	846.9	
G66.0	814.1	799.2	800.7	795.0	851.3	842.2	827.5	826.7	814.1	
G67.0	779.7	769.1	768.5	756.9	813.5	805.8	793.5	790.3	779.7	
G68.0	749.1	745.5	742.3	724.0	781.4	772.8	764.5	751.7	749.1	
G69.0	721.5	715.3	715.1	698.8	753.8	743.2	736.4	725.7	721.5	
G70.0	705.3	693.8	695.9	674.7	725.7	716.9	709.1	699.7	705.3	
G71.0	690.8	675.0	682.9	666.0	704.7	695.8	690.0	679.7	690.8	
G72.0	680.2	659.5	665.7	652.6	690.9	683.1	678.6	671.4	680.2	
G73.0	674.9	649.2	651.8	647.8	678.5	677.1	675.0	664.3	674.9	

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: 8.567 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	688.7	648.4	652.9	654.1	678.6	680.1	682.4	669.6	688.7	
G75.0	679.1	646.7	663.8	657.3	687.5	692.1	688.5	674.4	679.1	
G76.0	665.8	640.0	667.7	661.8	700.3	688.9	680.9	666.6	665.8	
G77.0	630.1	614.1	643.3	641.8	693.3	670.3	659.1	647.3	630.1	
G78.0	596.8	585.3	611.6	609.5	673.9	648.0	628.8	626.0	596.8	
G79.0	553.6	547.5	566.4	571.9	644.3	621.3	596.1	591.5	553.6	
G80.0	518.1	507.9	526.1	529.7	615.2	586.7	561.1	553.8	518.1	
G81.0	441.2	452.5	478.0	479.3	580.4	545.0	507.6	504.6	441.2	
G82.0	361.2	378.8	403.6	414.1	515.3	477.4	442.0	441.8	361.2	
G83.0	281.8	297.5	323.1	337.9	440.4	403.4	369.0	366.3	281.8	
G84.0	228.2	236.1	251.7	276.1	361.5	331.0	300.6	292.4	228.2	
G85.0	188.3	199.5	201.2	233.3	289.9	276.2	246.5	242.9	188.3	
G86.0	149.6	169.4	166.4	182.4	242.7	233.4	205.2	199.3	149.6	
G87.0	112.9	132.9	131.2	144.2	189.3	189.8	165.1	165.4	112.9	
G88.0	81.2	94.1	93.3	111.7	146.0	149.7	123.8	126.2	81.2	
G89.0	61.0	67.4	70.2	81.7	109.1	109.3	84.9	92.8	61.0	
G90.0	47.7	49.7	55.2	58.3	77.7	79.2	64.3	61.5	47.7	
G91.0	35.9	37.1	43.3	44.4	58.8	55.2	48.2	45.6	35.9	
G92.0	29.5	29.3	33.4	35.8	44.3	43.5	36.8	37.7	29.5	
G93.0	26.0	25.7	27.2	31.0	34.3	35.8	31.0	32.6	26.0	
G94.0	24.2	27.5	24.9	29.2	29.1	33.1	28.2	28.1	24.2	
G95.0	24.0	33.0	23.6	31.9	25.9	34.8	26.6	29.9	24.0	
G96.0	24.8	39.5	23.3	37.2	24.0	40.9	27.1	34.6	24.8	
G97.0	25.4	46.8	23.3	42.1	23.9	46.8	30.3	40.1	25.4	
G98.0	26.5	54.0	24.6	47.4	24.1	53.7	31.4	46.8	26.5	
G99.0	28.4	61.5	25.8	50.3	24.8	58.8	30.5	53.9	28.4	
G100.0	28.6	65.6	26.5	52.7	24.8	61.6	31.0	57.7	28.6	
G101.0	27.4	70.3	26.4	51.5	24.3	65.4	30.2	63.4	27.4	
G102.0	23.6	71.4	23.9	52.4	23.5	67.4	27.8	69.7	23.6	
G103.0	19.7	68.5	20.7	51.4	22.5	67.0	23.5	73.7	19.7	
G104.0	16.8	61.6	17.5	53.5	19.5	63.4	20.0	71.9	16.8	
G105.0	14.6	55.8	14.8	66.0	17.4	56.3	16.5	66.3	14.6	
G106.0	12.4	46.6	12.9	65.7	14.8	48.1	14.0	60.6	12.4	
G107.0	10.9	37.7	11.0	55.7	13.3	40.0	11.7	54.5	10.9	
G108.0	9.9	29.4	9.6	39.3	11.9	32.8	10.1	47.3	9.9	
G109.0	9.3	24.0	8.5	31.6	10.6	26.6	8.7	40.9	9.3	
G110.0	8.8	20.6	7.7	28.8	9.7	22.8	7.9	34.6	8.8	

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: 8.567 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	8.4	17.7	7.0	30.0	9.1	19.6	7.4	26.2	8.4	
G112.0	7.7	12.6	6.4	26.8	8.6	17.9	6.7	22.4	7.7	
G113.0	8.6	5.9	6.2	19.9	8.1	15.5	6.5	19.3	8.6	
G114.0	7.5	5.0	6.0	13.9	7.8	14.5	6.1	17.2	7.5	
G115.0	7.4	5.1	5.8	13.2	8.2	13.9	5.8	15.6	7.4	
G116.0	7.3	5.2	5.9	12.3	7.7	11.1	6.1	14.1	7.3	
G117.0	7.4	5.5	5.9	12.4	7.8	5.0	6.3	13.5	7.4	
G118.0	7.3	5.5	5.5	12.8	7.7	5.1	6.2	13.1	7.3	
G119.0	5.7	4.1	5.4	12.9	7.8	5.3	6.4	12.9	5.7	
G120.0	5.8	4.3	5.5	13.1	7.8	6.1	6.4	12.9	5.8	
G121.0	5.8	8.5	5.4	13.3	7.9	5.7	6.4	12.9	5.8	
G122.0	5.7	8.9	5.6	13.2	7.8	5.8	6.4	12.9	5.7	
G123.0	5.9	8.9	5.7	13.4	8.9	5.7	6.5	12.4	5.9	
G124.0	6.0	9.3	5.7	12.3	7.9	6.1	6.7	11.7	6.0	
G125.0	6.1	9.6	5.7	11.3	7.8	9.0	6.7	11.1	6.1	
G126.0	7.7	9.1	5.3	11.2	8.1	10.6	6.7	10.4	7.7	
G127.0	5.9	8.8	5.6	11.1	8.1	10.3	6.8	10.2	5.9	
G128.0	5.9	7.6	5.5	11.3	8.2	9.9	6.8	9.9	5.9	
G129.0	5.9	7.1	5.2	11.3	8.1	9.4	6.7	10.0	5.9	
G130.0	5.6	7.0	5.3	11.8	8.0	6.7	6.7	10.1	5.6	
G131.0	5.8	6.9	5.3	11.9	8.1	5.8	6.7	10.3	5.8	
G132.0	5.9	6.9	5.3	11.2	7.7	6.0	6.6	10.2	5.9	
G133.0	5.9	6.9	7.0	12.0	7.5	6.1	6.6	9.6	5.9	
G134.0	6.0	7.0	7.0	11.3	7.7	6.2	6.3	9.5	6.0	
G135.0	6.0	7.0	7.0	10.9	7.7	6.4	6.2	9.1	6.0	
G136.0	6.1	7.0	7.0	10.5	7.9	6.6	6.0	8.6	6.1	
G137.0	6.1	7.4	6.8	10.1	7.1	6.8	6.0	8.7	6.1	
G138.0	6.1	6.9	7.1	9.1	7.9	6.9	5.9	8.1	6.1	
G139.0	6.2	7.6	7.1	8.1	7.8	7.1	5.8	6.6	6.2	
G140.0	6.2	6.9	7.2	8.1	6.3	7.3	6.0	5.7	6.2	
G141.0	6.0	7.0	7.2	7.4	6.1	7.1	6.0	5.2	6.0	
G142.0	6.3	7.0	7.2	7.0	8.0	7.1	6.1	4.9	6.3	
G143.0	6.3	7.0	7.3	7.0	6.4	7.1	6.2	5.1	6.3	
G144.0	6.4	6.9	7.2	6.9	6.4	7.2	6.1	5.1	6.4	
G145.0	7.8	6.9	7.3	6.8	8.0	7.3	6.4	4.8	7.8	
G146.0	6.2	6.6	7.3	5.2	8.1	7.3	6.6	5.0	6.2	
G147.0	6.3	6.8	7.4	5.1	8.3	7.3	6.5	5.0	6.3	

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: 8.567 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	7.9	6.9	7.3	5.2	8.3	7.3	6.8	4.8	7.9	
G149.0	7.8	6.4	7.2	6.8	8.1	7.4	7.0	5.0	7.8	
G150.0	6.4	6.7	7.3	6.5	8.6	7.4	6.8	5.0	6.4	
G151.0	6.3	6.9	7.3	6.6	6.7	7.4	7.0	5.0	6.3	
G152.0	6.3	6.7	7.5	5.0	6.5	7.4	7.0	5.0	6.3	
G153.0	7.8	6.6	7.2	5.0	8.1	7.3	6.8	4.9	7.8	
G154.0	7.8	6.5	6.8	5.0	7.9	7.3	6.9	5.0	7.8	
G155.0	6.2	6.6	6.9	4.9	8.0	7.1	6.8	4.9	6.2	
G156.0	7.6	5.0	6.9	4.9	6.1	7.0	6.8	4.9	7.6	
G157.0	7.5	4.8	6.9	4.9	6.0	6.6	6.5	4.9	7.5	
G158.0	6.0	4.9	6.8	4.6	5.8	6.6	6.2	4.9	6.0	
G159.0	7.3	4.9	6.6	4.8	7.2	6.3	6.0	4.8	7.3	
G160.0	7.3	4.8	6.4	4.7	6.9	5.9	5.6	4.8	7.3	
G161.0	7.1	6.2	5.9	4.4	6.8	5.8	5.3	4.8	7.1	
G162.0	7.7	6.0	6.3	4.6	5.1	5.5	5.1	4.6	7.7	
G163.0	6.9	6.0	6.3	4.6	5.0	5.2	4.9	4.8	6.9	
G164.0	6.8	4.5	6.1	4.6	5.0	5.0	4.7	4.8	6.8	
G165.0	7.0	4.4	6.1	4.5	6.4	4.8	4.8	4.7	7.0	
G166.0	6.8	4.3	6.1	4.5	6.4	4.6	4.7	4.7	6.8	
G167.0	5.2	4.3	6.3	4.4	4.8	4.5	4.5	6.2	5.2	
G168.0	6.6	4.3	6.2	5.9	4.9	4.5	4.7	6.2	6.6	
G169.0	6.7	4.2	5.8	5.7	4.7	4.4	4.7	6.2	6.7	
G170.0	6.6	4.1	6.0	5.8	6.2	4.4	4.4	6.0	6.6	
G171.0	6.6	4.2	6.0	4.2	4.6	5.9	4.6	6.2	6.6	
G172.0	6.5	4.1	5.9	4.0	4.6	5.6	4.6	6.1	6.5	
G173.0	6.3	3.9	5.8	4.1	4.5	4.3	4.6	6.1	6.3	
G174.0	6.5	4.1	5.7	4.1	4.5	5.7	4.3	5.9	6.5	
G175.0	6.1	4.1	5.9	4.1	4.4	4.2	4.5	6.2	6.1	
G176.0	6.0	3.8	5.8	4.1	4.5	4.2	4.4	6.1	6.0	
G177.0	5.8	4.1	6.2	4.1	4.4	4.1	4.0	5.9	5.8	
G178.0	5.7	4.0	5.7	4.0	4.4	4.2	4.2	5.6	5.7	
G179.0	5.6	4.0	4.1	4.0	4.3	4.1	4.1	5.7	5.6	
G180.0	5.7	3.8	5.4	4.0	4.2	4.1	4.0	5.6	5.7	

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: 8.567 m
 Humidity:
 Inspector: