

FACTORY DIRECT LIGHTING

Tel:
Fax:

Report No.: 20170711002

Test Time: 2017-07-12 19:12

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: FACTORY DIRECT LIGHTING

Luminaire Description: FDVT-40LED4K-347VD

Lamp Catalog: 2835/3C1100S40D

Lamp Description: 2835/4000K

Luminous Length (mm): 1290

Luminous Width (mm): 100

Luminous Height (mm): 100

Voltage: 298.8 V

Current: 0.138 A

Power: 39.74 W

Power Factor: 0.965

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 4644.4 lm

Downward Ratio: 89%

Field Angle: H159.0 V237.0

Luminaire Efficacy Rating (LER): 117

Max. Intensity: 1255.96 cd

Total Rated Lamp Lumens: 4644.4 lm

Efficiency: 100%

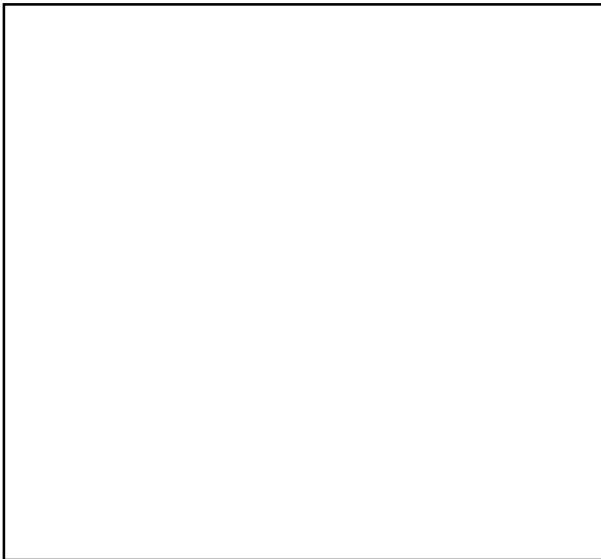
Upward Ratio: 11%

Beam Angle: H105.2 V140.5

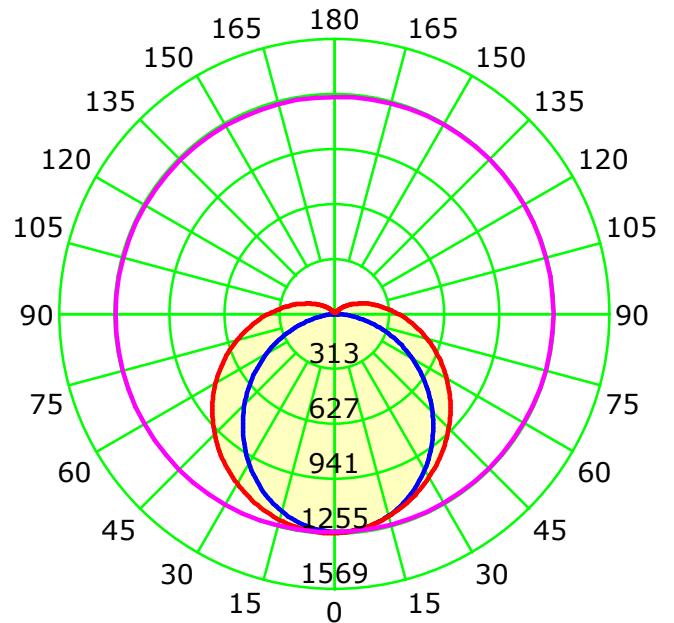
Central Intensity: 1243.92 cd

Pos of Max. Intensity: H330 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G2

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: 8.690 m

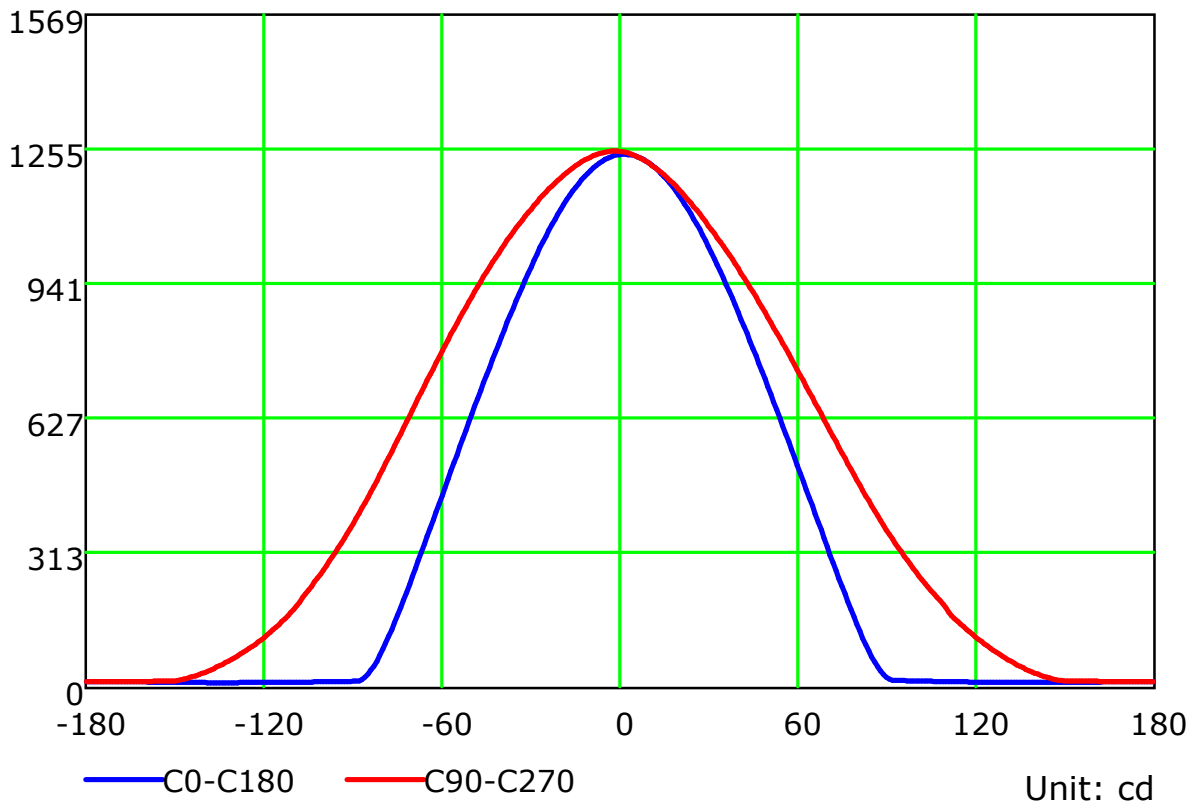
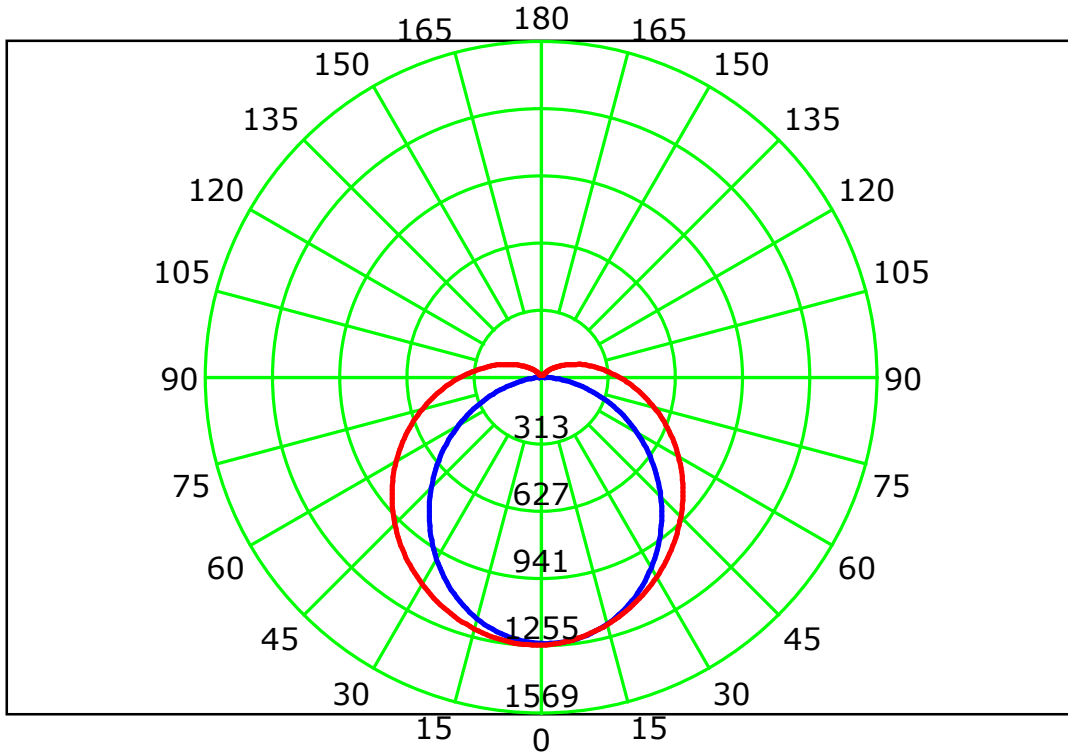
Humidity: 45-75

Inspector:

FACTORY DIRECT LIGHTING

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Luminous Intensity Distribution Curve



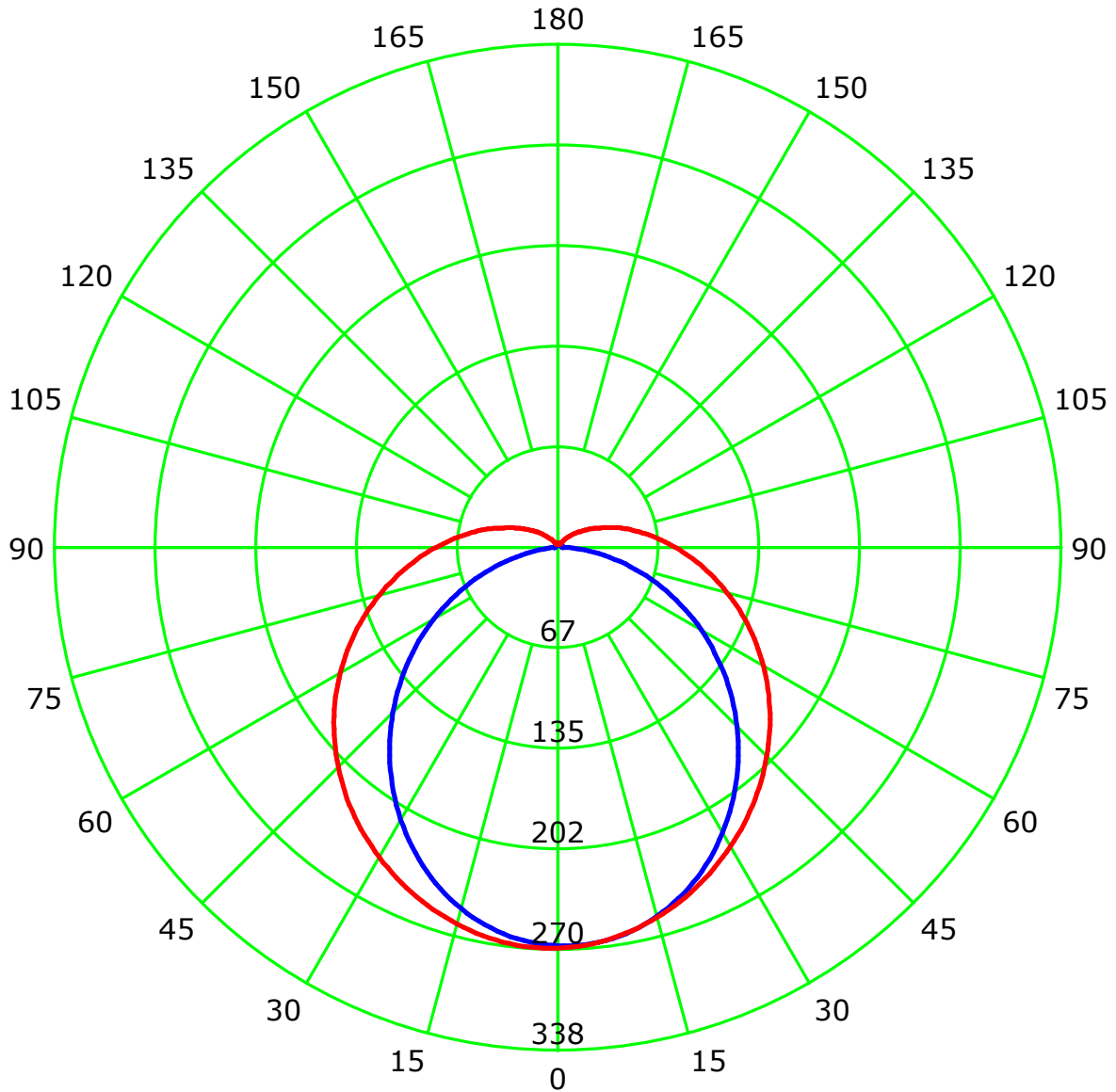
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Luminous Intensity Distribution Curve(cd/klm)



cd/klm
— C0-C180
— C90-C270

$\eta=100\%$
2835/3C1100S40D/2835/4000K

C Plane (°):0.0-360.0: 30.0
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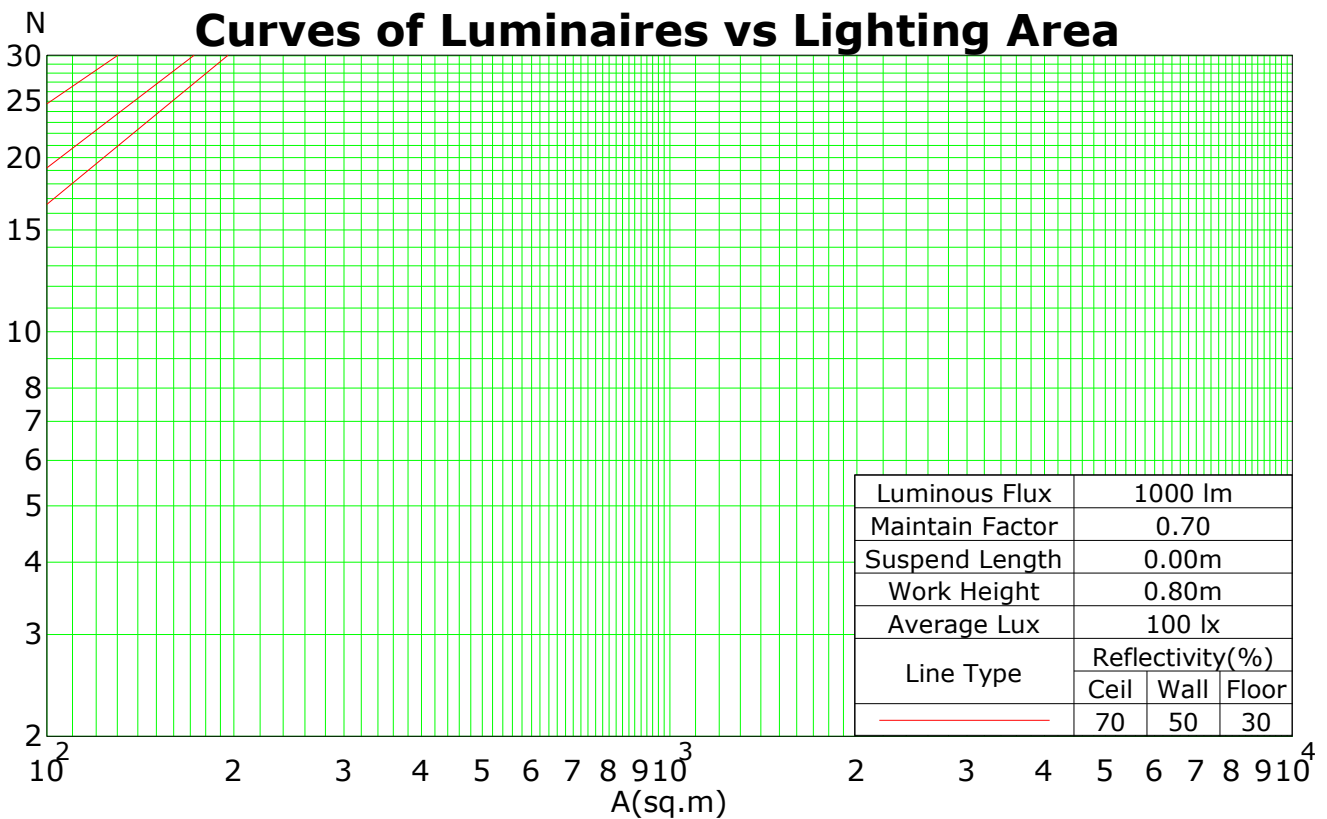
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Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	89
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	77	75	73	70
2	94	84	77	70	90	81	74	68	76	70	65	71	66	62	67	63	59	56
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	53	49	47
4	77	65	55	48	74	63	54	47	59	51	45	55	49	44	52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39	49	43	38	46	41	36	34
6	65	52	42	36	63	50	41	35	47	40	34	44	38	33	42	36	32	29
7	61	47	38	31	58	45	37	31	43	35	30	40	34	29	38	32	28	26
8	56	42	34	28	54	41	33	27	39	32	27	37	31	26	35	29	25	23
9	53	39	30	25	51	38	30	24	36	29	24	34	28	23	32	27	22	21
10	49	36	28	22	47	35	27	22	33	26	22	32	25	21	30	24	20	19

Spacing Criteria (0-180): 1.20
 Spacing Criteria (90-270): 1.31
 Spacing Criteria (Diagonal): 1.39



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 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

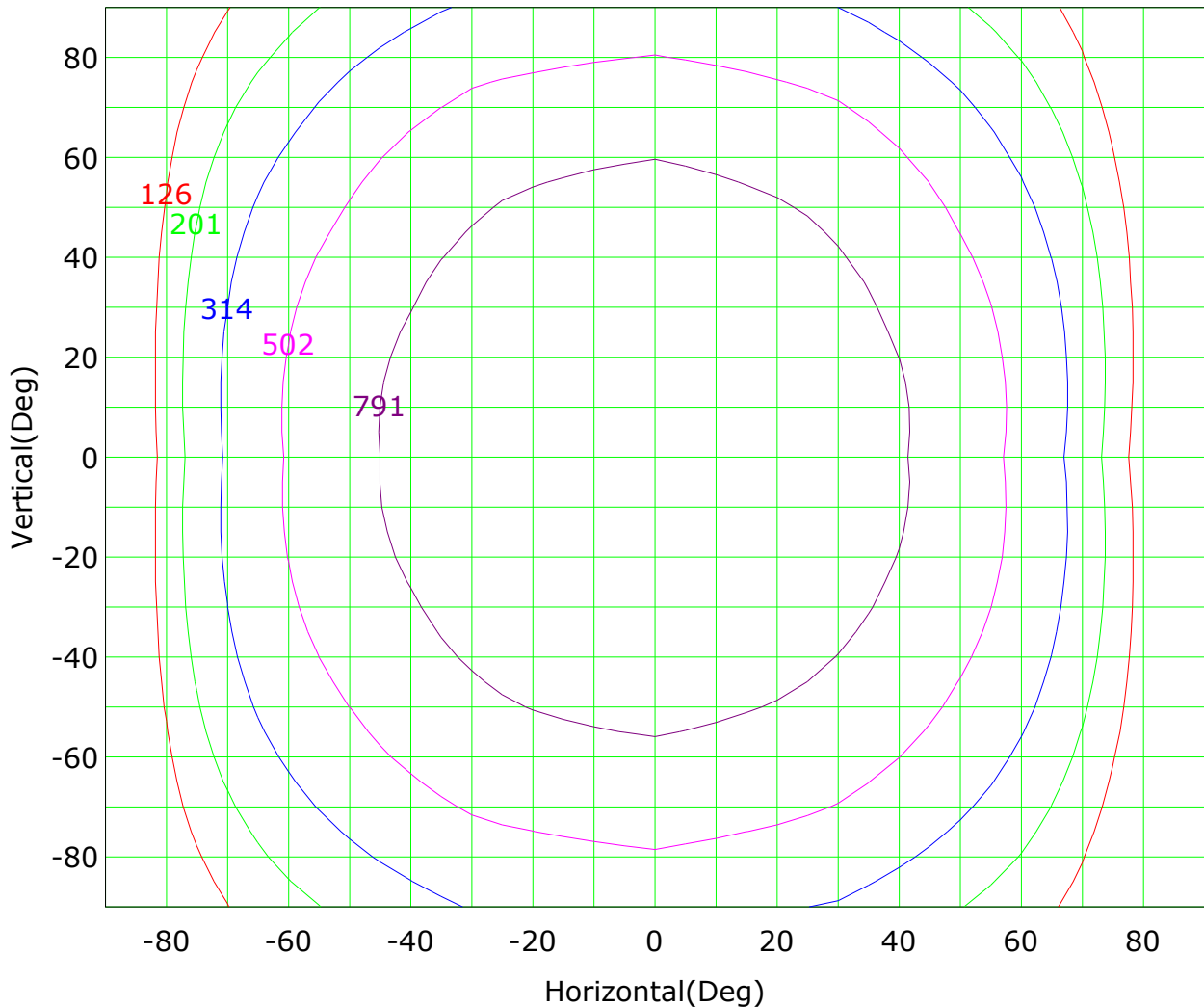
Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
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 Humidity: 45-75
 Inspector:

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Page 5 of 31 Pages

Isocandela (rectangle)



Imax (100%): 1256 cd

(10%): 126 cd	(16%): 201 cd
(25%): 314 cd	(40%): 502 cd
(63%): 791 cd	(100%): 1256 cd

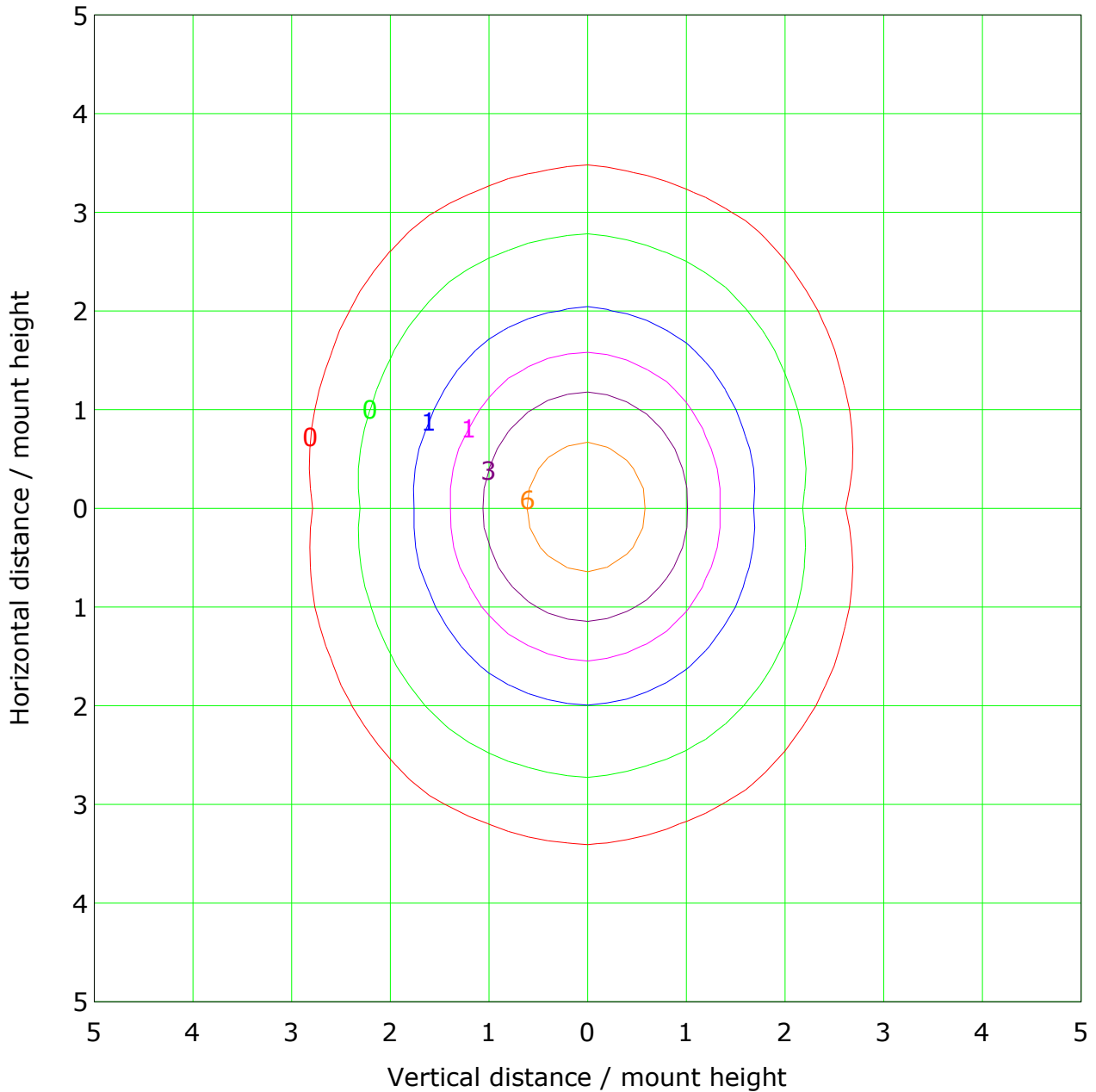
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 12.6 lx	
— (1%):	0.1 lx	— (2%):	0.3 lx
— (5%):	0.6 lx	— (10%):	1.3 lx
— (20%):	2.5 lx	— (50%):	6.3 lx
— (100%):	12.6 lx		

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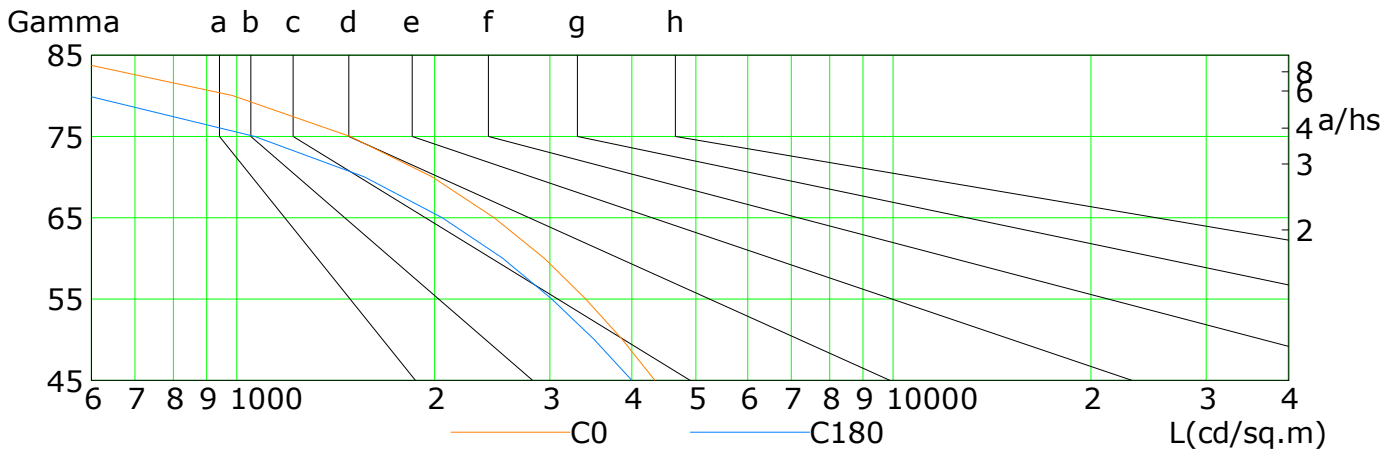
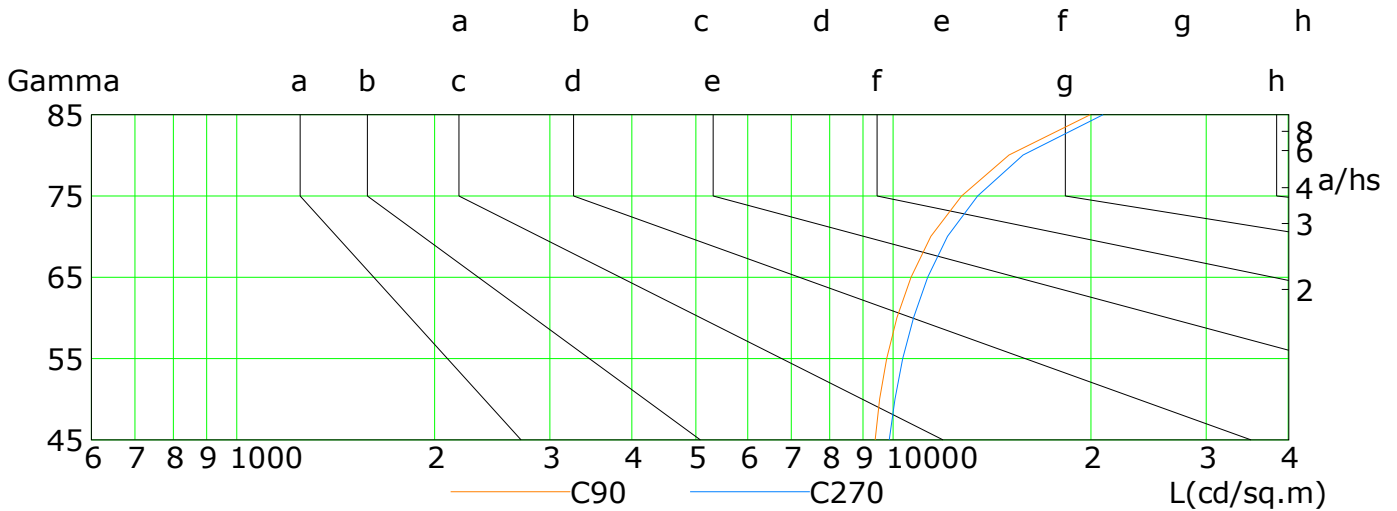
Gamma Plane (°):0.0-180.0:1.0
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Lum Limit Curve

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4334	3864	3398	2936	2468	1986	1488	986	510
C90	9387	9541	9776	10126	10644	11424	12698	15007	19968
C180	3994	3505	3020	2541	2056	1564	1064	590	215
C270	9871	10069	10340	10731	11278	12097	13429	15776	20890

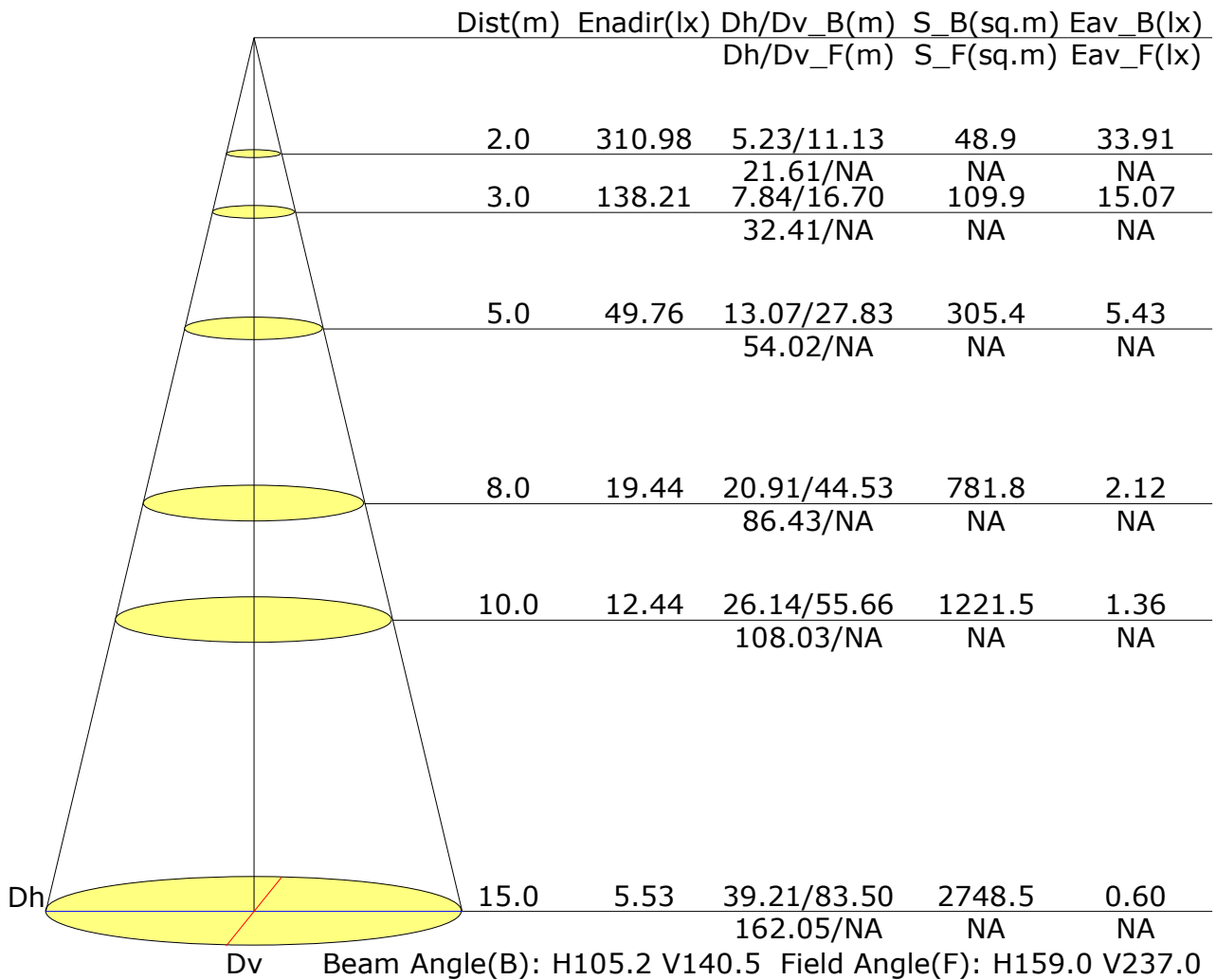
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 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
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Illuminance at a Distance



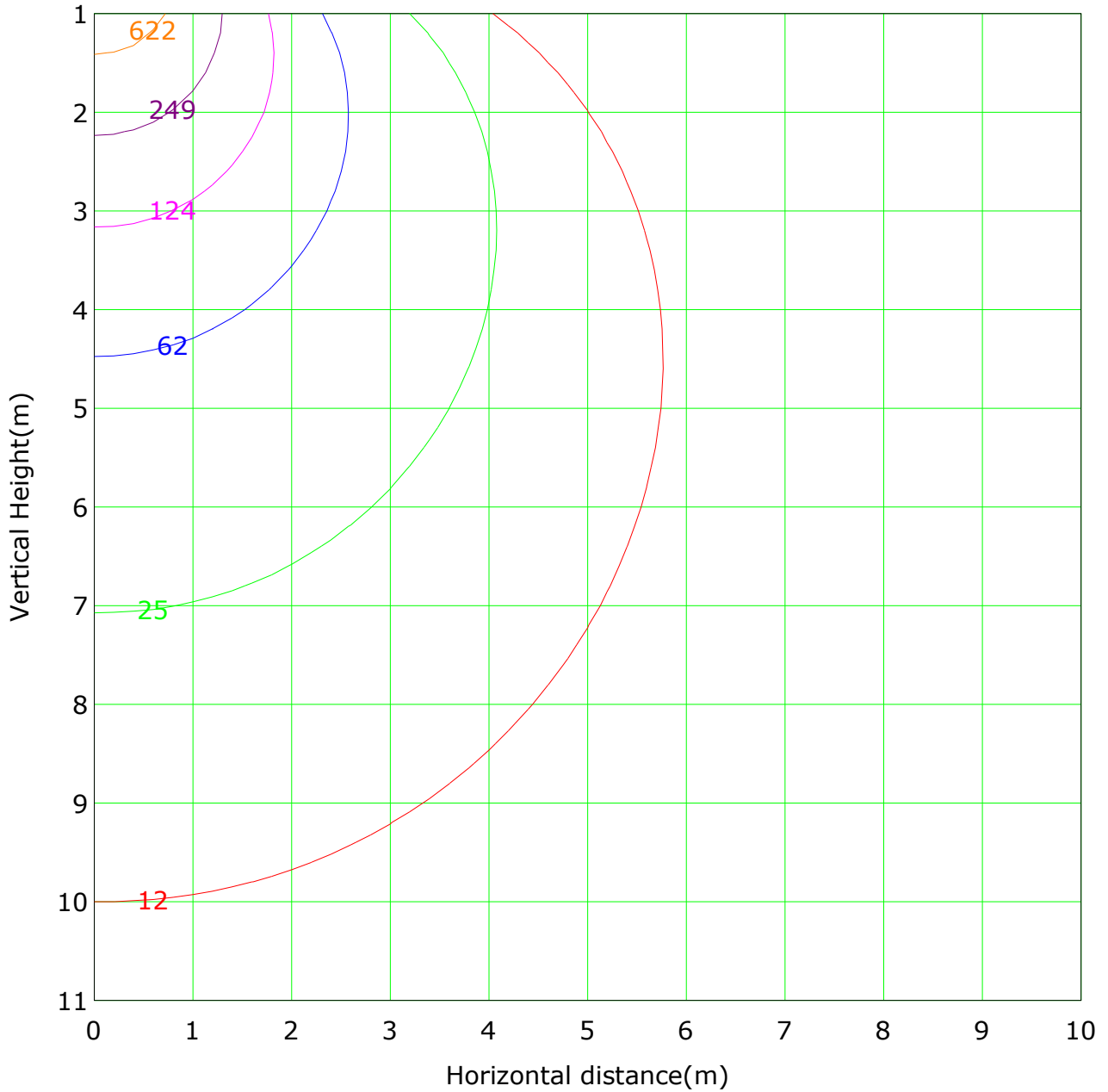
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
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Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1243.9 lx

— (1%): 12.4 lx	— (2%): 24.9 lx
— (5%): 62.2 lx	— (10%): 124.4 lx
— (20%): 248.8 lx	— (50%): 622.0 lx
— (100%):1243.9 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
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Distance: 8.690 m
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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)	0.1	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	0.1	0.1	0.1	0.1	0.1	Flux(E)	Flux(T)
0.0	2.6	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	16.3	21.6
16.3	65.2	1.9	2.4	2.9	3.4	3.9	4.3	4.6	4.7	4.7	4.7	4.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	64.8	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0
64.8	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	5.8	7.4	8.9	10.6	12.2	13.5	14.7	15.5	15.8	15.8	14.8	13.7	12.3	11.3	10.6	9.9	9.3	8.8	8.5	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	8.3	10.6	12.6	14.9	17.1	19.1	20.7	22.0	22.5	22.5	21.0	19.5	17.6	16.4	15.4	14.8	14.2	13.8	13.4	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	10.4	13.5	15.9	18.4	21.8	24.3	26.5	28.1	29.0	29.0	27.0	25.0	22.6	21.4	20.6	19.6	18.8	18.2	17.8	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	11.9	15.5	18.4	21.9	25.3	28.4	31.0	33.1	34.2	34.2	31.7	29.4	26.4	25.2	24.0	22.4	21.6	21.0	20.6	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	13.1	17.1	20.1	23.9	27.5	30.7	33.6	35.8	37.2	37.3	34.5	31.9	28.8	27.6	26.2	24.4	23.2	22.6	22.2	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	13.2	17.2	20.2	24.0	27.6	30.9	33.8	36.0	37.3	37.7	34.8	32.2	29.0	27.8	26.6	24.8	23.6	23.0	22.6	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	12.2	15.9	18.8	22.4	25.8	28.9	31.6	33.6	34.8	35.1	32.5	30.1	27.1	26.0	24.6	22.8	22.2	21.8	21.4	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	10.9	14.1	17.4	20.6	23.5	26.0	28.0	29.5	30.2	30.2	28.0	26.0	23.5	22.5	21.4	20.6	20.5	20.2	20.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	8.8	11.2	13.8	16.3	18.6	20.5	22.2	23.4	23.9	23.9	22.2	20.5	18.6	17.8	16.6	15.6	15.4	15.2	15.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	6.3	8.0	9.8	11.6	13.2	14.7	16.0	16.8	17.1	17.0	16.0	14.7	13.2	12.6	11.3	10.6	10.4	10.2	10.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4.0	5.1	6.2	7.3	8.4	9.4	10.2	10.6	10.8	10.8	10.2	9.4	8.4	7.8	7.2	6.6	6.4	6.2	6.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	2.2	2.7	3.3	3.9	4.5	5.0	5.3	5.5	5.6	5.6	5.3	5.0	4.5	4.2	3.9	3.6	3.4	3.3	3.2	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	4142
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129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	129.8209.62297.2379.9443.5482.8486.3453.2394.1313.1224.9143.376.0	114.3112.5	147.5146.3	182.2181.3	215.9215.3	246.9246.4	273.7273.3	295.5295.1	311.0310.5	317.4317.0	316.1315.6	307.1306.6	289.4288.9	265.8265.4	238.1237.6	207.4206.7	174.7173.9	141.7140.5	110.6108.7	4155	4142	

Horizontal plane

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 Temperature: 25
 Operator:

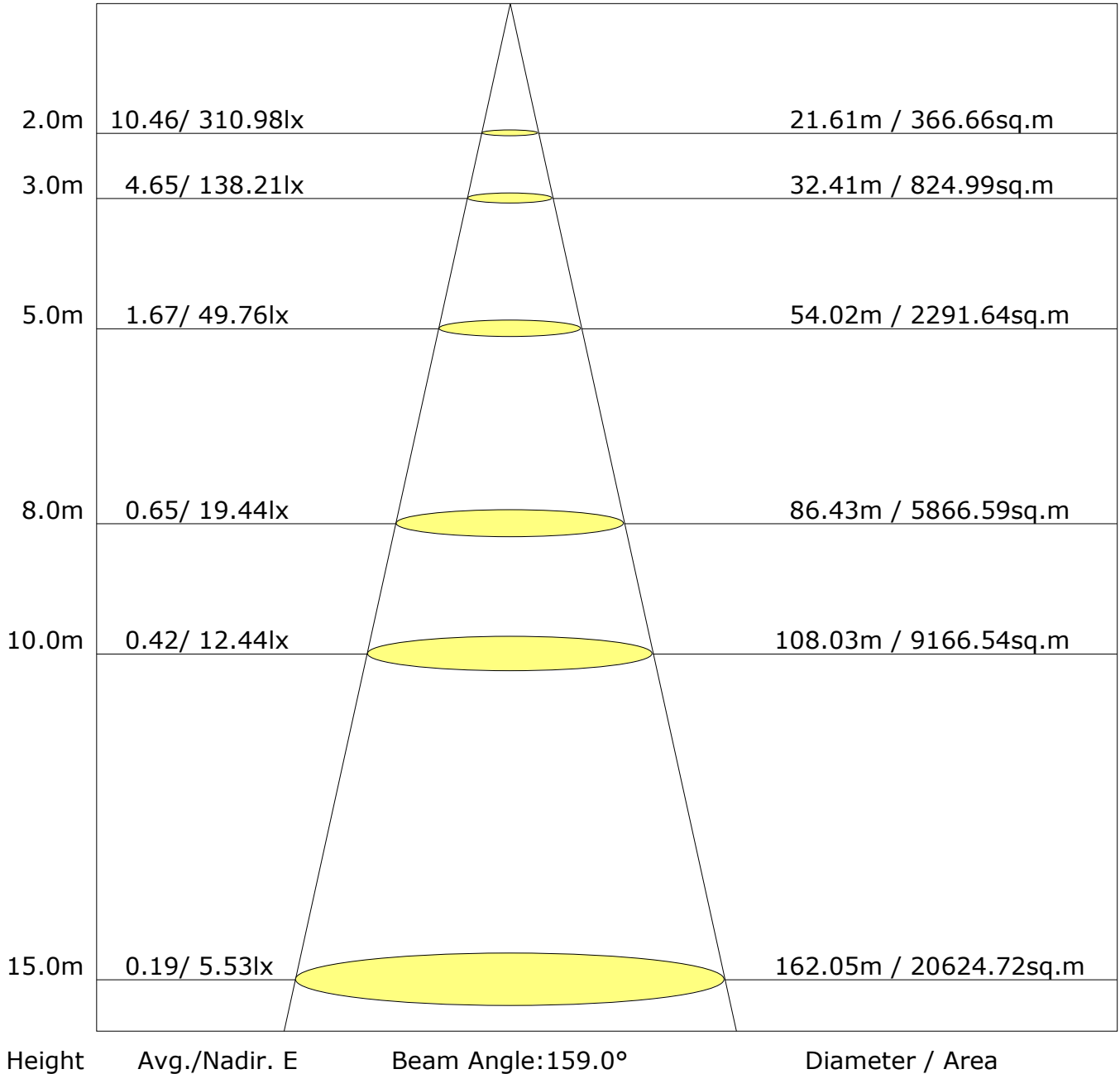
Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

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The Average Illuminance Effective Figure

Flux Out: 3834.54lm



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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	11.4	12.9	11.9	13.4	13.9	11.3	12.7	11.8	13.3	13.8
3H	13.2	14.6	13.8	15.1	15.7	13.4	14.8	13.9	15.3	15.9
4H	13.9	15.2	14.5	15.8	16.4	14.4	15.7	14.9	16.2	16.8
6H	14.5	15.7	15.0	16.2	16.9	15.3	16.5	15.8	17.0	17.7
8H	14.7	15.8	15.2	16.4	17.0	15.7	16.9	16.3	17.4	18.1
12H	14.8	15.9	15.4	16.5	17.1	16.1	17.2	16.7	17.8	18.4
X=4H Y=2H	12.0	13.3	12.5	13.8	14.4	11.8	13.1	12.4	13.7	14.3
3H	14.0	15.1	14.6	15.7	16.4	14.2	15.4	14.8	15.9	16.6
4H	14.9	15.9	15.5	16.5	17.2	15.4	16.4	16.0	17.0	17.7
6H	15.6	16.5	16.2	17.1	17.8	16.5	17.4	17.1	18.0	18.7
8H	15.8	16.7	16.4	17.3	18.0	17.0	17.8	17.6	18.4	19.1
12H	16.0	16.8	16.6	17.4	18.1	17.5	18.2	18.1	18.9	19.6
X=8H Y=4H	15.3	16.2	15.9	16.8	17.5	15.7	16.6	16.3	17.2	17.9
6H	16.2	16.9	16.8	17.6	18.3	17.0	17.7	17.6	18.4	19.1
8H	16.5	17.2	17.2	17.9	18.6	17.6	18.3	18.3	19.0	19.7
12H	16.8	17.4	17.5	18.1	18.9	18.3	18.9	19.0	19.5	20.3
X=12H Y=4H	15.4	16.2	16.1	16.8	17.5	15.7	16.5	16.4	17.2	17.9
6H	16.4	17.0	17.0	17.6	18.4	17.1	17.8	17.8	18.4	19.1
8H	16.8	17.4	17.4	18.0	18.8	17.8	18.4	18.5	19.1	19.8

Calculate in accordance with CIE 190:2010

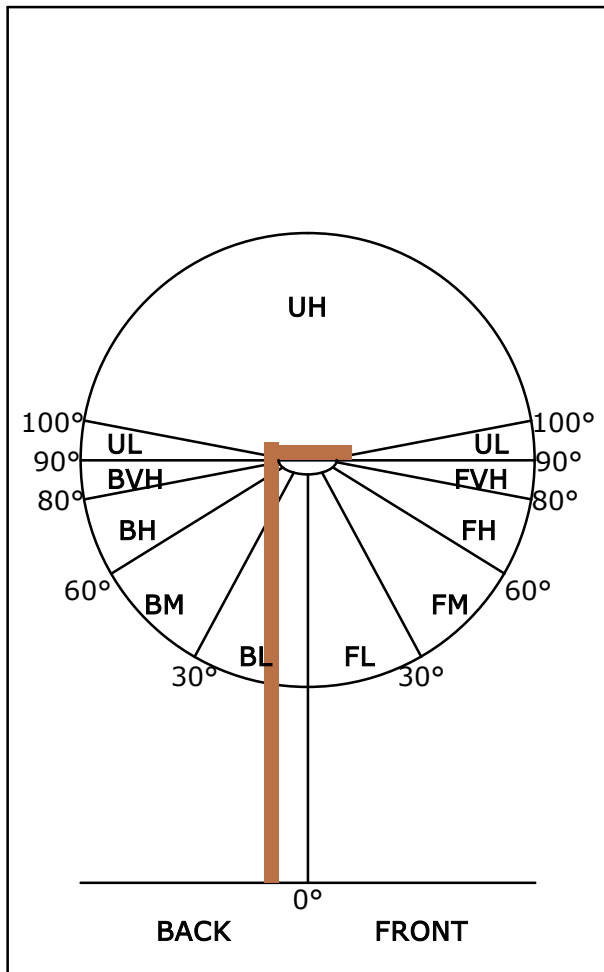
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2051	44.2
FL (0°-30°)	480	10.3
FM (30°-60°)	942	20.3
FH (60°-80°)	480	10.3
FVH (80°-90°)	149	3.2
BACK LIGHT	2105	45.3
BL (0°-30°)	486	10.5
BM (30°-60°)	969	20.9
BH (60°-80°)	496	10.7
BVH (80°-90°)	154	3.3
UP LIGHT	489	10.5
UL (90°-100°)	205	4.4
UH (100°-180°)	284	6.1
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U5 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U5 G1

C Plane (°):0.0-360.0: 30.0
 Test Lab:
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Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.53	0.61	0.68	0.73	0.80	0.85	0.88	0.93	0.96	
	0.30		0.45	0.53	0.60	0.65	0.73	0.79	0.83	0.88	0.92	
	0.20		0.39	0.46	0.54	0.59	0.67	0.73	0.78	0.84	0.88	
0.50	0.50	0.20	0.50	0.57	0.64	0.69	0.75	0.80	0.83	0.87	0.90	
	0.30		0.43	0.50	0.57	0.62	0.69	0.74	0.78	0.83	0.87	
	0.20		0.38	0.45	0.52	0.57	0.64	0.70	0.74	0.80	0.84	
0.30	0.50	0.20	0.48	0.54	0.60	0.65	0.71	0.75	0.78	0.82	0.85	
	0.30		0.42	0.48	0.55	0.59	0.66	0.70	0.74	0.78	0.82	
	0.20		0.37	0.44	0.50	0.55	0.62	0.67	0.70	0.76	0.79	
0.00	0.00	0.00	0.34	0.40	0.46	0.50	0.57	0.61	0.64	0.69	0.72	
Rating:40W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	1.00	0.86	0.74	0.66	0.54	0.46	0.40	0.32	0.27	
	0.30		0.83	0.74	0.65	0.58	0.49	0.42	0.37	0.30	0.25	
	0.20		0.71	0.64	0.57	0.52	0.45	0.39	0.34	0.28	0.24	
0.50	0.50	0.20	0.94	0.81	0.70	0.62	0.51	0.46	0.38	0.30	0.25	
	0.30		0.80	0.70	0.62	0.55	0.46	0.40	0.35	0.28	0.24	
	0.20		0.69	0.62	0.55	0.50	0.43	0.37	0.33	0.27	0.23	
0.30	0.50	0.20	0.89	0.76	0.66	0.58	0.48	0.40	0.35	0.28	0.24	
	0.30		0.76	0.67	0.59	0.53	0.44	0.38	0.33	0.27	0.23	
	0.20		0.67	0.60	0.53	0.48	0.41	0.36	0.31	0.26	0.22	
0.00	0.00	0.00	0.56	0.50	0.44	0.39	0.33	0.29	0.25	0.21	0.18	
<p>Rating:40W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

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Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50									
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	0.27	0.28	0.29	0.30	0.30	0.31	0.31	0.32	0.32	
	0.30		0.20	0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29	
	0.20		0.15	0.16	0.18	0.19	0.21	0.22	0.23	0.25	0.26	
0.50	0.50	0.20	0.26	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.31	
	0.30		0.19	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	
	0.20		0.15	0.16	0.17	0.18	0.20	0.22	0.23	0.24	0.25	
0.30	0.50	0.20	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.29	0.29	
	0.30		0.19	0.20	0.21	0.22	0.24	0.25	0.25	0.26	0.27	
	0.20		0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24	
0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	

Rating:40W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

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Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1249.7	1.2	1.2	0.03	0.03
1.0-2.0	1249.2	3.6	4.8	0.08	0.10
2.0-3.0	1248.2	6.0	10.8	0.13	0.23
3.0-4.0	1246.7	8.3	19.1	0.18	0.41
4.0-5.0	1244.7	10.7	29.8	0.23	0.64
5.0-6.0	1242.2	13.1	42.9	0.28	0.92
6.0-7.0	1239.2	15.4	58.2	0.33	1.25
7.0-8.0	1235.7	17.7	75.9	0.38	1.63
8.0-9.0	1231.8	20.0	95.9	0.43	2.06
9.0-10.0	1227.4	22.2	118.1	0.48	2.54
10.0-11.0	1222.5	24.4	142.5	0.53	3.07
11.0-12.0	1217.2	26.6	169.2	0.57	3.64
12.0-13.0	1211.5	28.8	197.9	0.62	4.26
13.0-14.0	1205.3	30.9	228.8	0.66	4.93
14.0-15.0	1198.8	32.9	261.7	0.71	5.63
15.0-16.0	1191.8	34.9	296.6	0.75	6.39
16.0-17.0	1184.4	36.9	333.5	0.79	7.18
17.0-18.0	1176.7	38.8	372.3	0.84	8.02
18.0-19.0	1168.6	40.7	413.0	0.88	8.89
19.0-20.0	1160.1	42.5	455.4	0.91	9.81
20.0-21.0	1151.3	44.2	499.6	0.95	10.76
21.0-22.0	1142.2	45.9	545.6	0.99	11.75
22.0-23.0	1132.7	47.5	593.1	1.02	12.77
23.0-24.0	1122.9	49.1	642.2	1.06	13.83
24.0-25.0	1112.7	50.6	692.8	1.09	14.92
25.0-26.0	1102.3	52.0	744.8	1.12	16.04
26.0-27.0	1091.7	53.4	798.2	1.15	17.19
27.0-28.0	1080.6	54.7	853.0	1.18	18.37
28.0-29.0	1069.3	56.0	908.9	1.20	19.57
29.0-30.0	1057.8	57.1	966.0	1.23	20.80
30.0-31.0	1046.0	58.2	1024.3	1.25	22.05
31.0-32.0	1033.9	59.2	1083.5	1.28	23.33
32.0-33.0	1021.7	60.2	1143.7	1.30	24.63
33.0-34.0	1009.4	61.1	1204.8	1.32	25.94
34.0-35.0	996.7	61.9	1266.7	1.33	27.27
35.0-36.0	983.8	62.7	1329.3	1.35	28.62

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: 8.690 m
 Humidity: 45-75
 Inspector:

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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	970.9	63.3	1392.7	1.36	29.99
37.0-38.0	957.8	63.9	1456.6	1.38	31.36
38.0-39.0	944.4	64.5	1521.1	1.39	32.75
39.0-40.0	930.9	64.9	1586.0	1.40	34.15
40.0-41.0	917.1	65.3	1651.3	1.41	35.56
41.0-42.0	903.3	65.6	1717.0	1.41	36.97
42.0-43.0	889.2	65.9	1782.8	1.42	38.39
43.0-44.0	875.0	66.1	1848.9	1.42	39.81
44.0-45.0	860.8	66.2	1915.1	1.42	41.23
45.0-46.0	846.4	66.2	1981.3	1.43	42.66
46.0-47.0	831.9	66.2	2047.4	1.42	44.08
47.0-48.0	817.2	66.1	2113.5	1.42	45.51
48.0-49.0	802.5	65.9	2179.4	1.42	46.93
49.0-50.0	787.7	65.7	2245.1	1.41	48.34
50.0-51.0	772.8	65.4	2310.5	1.41	49.75
51.0-52.0	757.9	65.0	2375.5	1.40	51.15
52.0-53.0	742.9	64.6	2440.2	1.39	52.54
53.0-54.0	727.8	64.2	2504.3	1.38	53.92
54.0-55.0	712.7	63.6	2567.9	1.37	55.29
55.0-56.0	697.5	63.0	2631.0	1.36	56.65
56.0-57.0	682.3	62.4	2693.4	1.34	57.99
57.0-58.0	667.2	61.7	2755.1	1.33	59.32
58.0-59.0	651.9	61.0	2816.0	1.31	60.63
59.0-60.0	636.7	60.2	2876.2	1.30	61.93
60.0-61.0	621.4	59.3	2935.5	1.28	63.21
61.0-62.0	606.1	58.4	2993.9	1.26	64.46
62.0-63.0	590.9	57.5	3051.4	1.24	65.70
63.0-64.0	575.7	56.5	3107.9	1.22	66.92
64.0-65.0	560.5	55.5	3163.4	1.19	68.11
65.0-66.0	545.4	54.4	3217.8	1.17	69.28
66.0-67.0	530.2	53.3	3271.1	1.15	70.43
67.0-68.0	515.1	52.2	3323.3	1.12	71.56
68.0-69.0	500.1	51.0	3374.3	1.10	72.65
69.0-70.0	485.1	49.8	3424.2	1.07	73.73
70.0-71.0	470.3	48.6	3472.8	1.05	74.77
71.0-72.0	455.7	47.4	3520.2	1.02	75.79

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: 8.690 m
 Humidity: 45-75
 Inspector:

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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	441.0	46.1	3566.3	0.99	76.79
73.0-74.0	426.5	44.8	3611.1	0.97	77.75
74.0-75.0	412.2	43.6	3654.7	0.94	78.69
75.0-76.0	397.9	42.2	3696.9	0.91	79.60
76.0-77.0	384.0	40.9	3737.9	0.88	80.48
77.0-78.0	370.2	39.6	3777.5	0.85	81.33
78.0-79.0	356.6	38.3	3815.8	0.83	82.16
79.0-80.0	343.3	37.0	3852.9	0.80	82.96
80.0-81.0	330.3	35.7	3888.6	0.77	83.73
81.0-82.0	317.5	34.4	3923.0	0.74	84.47
82.0-83.0	305.1	33.2	3956.2	0.71	85.18
83.0-84.0	293.1	31.9	3988.1	0.69	85.87
84.0-85.0	281.5	30.7	4018.8	0.66	86.53
85.0-86.0	270.3	29.5	4048.4	0.64	87.17
86.0-87.0	259.6	28.4	4076.8	0.61	87.78
87.0-88.0	249.4	27.3	4104.1	0.59	88.37
88.0-89.0	239.8	26.3	4130.4	0.57	88.93
89.0-90.0	230.6	25.3	4155.7	0.54	89.48
90.0-91.0	221.9	24.3	4180.0	0.52	90.00
91.0-92.0	213.6	23.4	4203.4	0.50	90.51
92.0-93.0	205.6	22.5	4226.0	0.48	90.99
93.0-94.0	197.9	21.7	4247.6	0.47	91.46
94.0-95.0	190.4	20.8	4268.4	0.45	91.91
95.0-96.0	183.2	20.0	4288.4	0.43	92.34
96.0-97.0	176.1	19.2	4307.6	0.41	92.75
97.0-98.0	169.2	18.4	4326.0	0.40	93.15
98.0-99.0	162.5	17.6	4343.7	0.38	93.52
99.0-100.0	156.0	16.9	4360.5	0.36	93.89
100.0-101.0	149.7	16.1	4376.7	0.35	94.24
101.0-102.0	143.6	15.4	4392.1	0.33	94.57
102.0-103.0	137.6	14.7	4406.8	0.32	94.89
103.0-104.0	131.8	14.1	4420.9	0.30	95.19
104.0-105.0	125.9	13.4	4434.3	0.29	95.48
105.0-106.0	119.9	12.7	4446.9	0.27	95.75
106.0-107.0	113.9	12.0	4458.9	0.26	96.01
107.0-108.0	108.0	11.3	4470.2	0.24	96.25

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

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	102.2	10.6	4480.8	0.23	96.48
109.0-110.0	96.8	10.0	4490.8	0.22	96.69
110.0-111.0	91.8	9.4	4500.3	0.20	96.90
111.0-112.0	87.1	8.9	4509.2	0.19	97.09
112.0-113.0	83.0	8.4	4517.6	0.18	97.27
113.0-114.0	79.0	7.9	4525.5	0.17	97.44
114.0-115.0	75.3	7.5	4533.0	0.16	97.60
115.0-116.0	71.7	7.1	4540.1	0.15	97.75
116.0-117.0	68.2	6.7	4546.8	0.14	97.90
117.0-118.0	65.0	6.3	4553.1	0.14	98.03
118.0-119.0	61.8	6.0	4559.1	0.13	98.16
119.0-120.0	58.8	5.6	4564.7	0.12	98.28
120.0-121.0	55.9	5.3	4570.0	0.11	98.40
121.0-122.0	53.1	5.0	4574.9	0.11	98.50
122.0-123.0	50.4	4.7	4579.6	0.10	98.60
123.0-124.0	47.8	4.4	4584.0	0.09	98.70
124.0-125.0	45.3	4.1	4588.1	0.09	98.79
125.0-126.0	42.8	3.8	4591.9	0.08	98.87
126.0-127.0	40.5	3.6	4595.5	0.08	98.95
127.0-128.0	38.3	3.3	4598.8	0.07	99.02
128.0-129.0	36.1	3.1	4601.9	0.07	99.08
129.0-130.0	34.1	2.9	4604.8	0.06	99.15
130.0-131.0	32.2	2.7	4607.4	0.06	99.20
131.0-132.0	30.4	2.5	4609.9	0.05	99.26
132.0-133.0	28.7	2.3	4612.3	0.05	99.31
133.0-134.0	27.0	2.2	4614.4	0.05	99.35
134.0-135.0	25.5	2.0	4616.4	0.04	99.40
135.0-136.0	24.1	1.8	4618.2	0.04	99.44
136.0-137.0	22.7	1.7	4620.0	0.04	99.47
137.0-138.0	21.4	1.6	4621.5	0.03	99.51
138.0-139.0	20.2	1.5	4623.0	0.03	99.54
139.0-140.0	19.1	1.4	4624.4	0.03	99.57
140.0-141.0	18.0	1.3	4625.6	0.03	99.60
141.0-142.0	17.0	1.2	4626.8	0.03	99.62
142.0-143.0	16.1	1.1	4627.9	0.02	99.64
143.0-144.0	15.3	1.0	4628.9	0.02	99.67

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
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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	14.6	0.9	4629.8	0.02	99.69
145.0-146.0	14.0	0.9	4630.7	0.02	99.70
146.0-147.0	13.5	0.8	4631.5	0.02	99.72
147.0-148.0	13.2	0.8	4632.3	0.02	99.74
148.0-149.0	12.9	0.7	4633.0	0.02	99.75
149.0-150.0	12.8	0.7	4633.7	0.02	99.77
150.0-151.0	12.7	0.7	4634.4	0.01	99.78
151.0-152.0	12.6	0.7	4635.0	0.01	99.80
152.0-153.0	12.6	0.6	4635.7	0.01	99.81
153.0-154.0	12.6	0.6	4636.3	0.01	99.83
154.0-155.0	12.6	0.6	4636.9	0.01	99.84
155.0-156.0	12.6	0.6	4637.5	0.01	99.85
156.0-157.0	12.6	0.6	4638.0	0.01	99.86
157.0-158.0	12.6	0.5	4638.6	0.01	99.87
158.0-159.0	12.6	0.5	4639.1	0.01	99.89
159.0-160.0	12.6	0.5	4639.5	0.01	99.90
160.0-161.0	12.7	0.5	4640.0	0.01	99.91
161.0-162.0	12.7	0.4	4640.5	0.01	99.92
162.0-163.0	12.7	0.4	4640.9	0.01	99.92
163.0-164.0	12.7	0.4	4641.3	0.01	99.93
164.0-165.0	12.8	0.4	4641.6	0.01	99.94
165.0-166.0	12.8	0.4	4642.0	0.01	99.95
166.0-167.0	12.8	0.3	4642.3	0.01	99.96
167.0-168.0	12.8	0.3	4642.6	0.01	99.96
168.0-169.0	12.8	0.3	4642.9	0.01	99.97
169.0-170.0	12.9	0.3	4643.2	0.01	99.97
170.0-171.0	12.9	0.2	4643.4	0.01	99.98
171.0-172.0	12.9	0.2	4643.6	0.00	99.98
172.0-173.0	12.8	0.2	4643.8	0.00	99.99
173.0-174.0	12.8	0.2	4643.9	0.00	99.99
174.0-175.0	12.9	0.1	4644.1	0.00	99.99
175.0-176.0	12.9	0.1	4644.2	0.00	100.00
176.0-177.0	12.8	0.1	4644.3	0.00	100.00
177.0-178.0	12.8	0.1	4644.3	0.00	100.00
178.0-179.0	12.9	0.0	4644.4	0.00	100.00
179.0-180.0	12.9	0.0	4644.4	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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

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	1243.9	1246.1	1249.1	1251.2	1253.6	1254.8	1243.9	1246.1	1249.1	1251.2
G1.0	1244.5	1246.3	1248.7	1250.2	1252.3	1253.4	1242.8	1245.4	1249.0	1251.7
G2.0	1244.5	1245.9	1247.9	1248.9	1250.6	1251.5	1241.0	1244.2	1248.5	1251.8
G3.0	1243.9	1245.0	1246.6	1247.1	1248.2	1249.0	1238.7	1242.5	1247.6	1251.6
G4.0	1242.8	1243.6	1244.9	1244.9	1245.5	1246.0	1235.9	1240.1	1246.1	1250.9
G5.0	1241.1	1241.5	1242.6	1242.2	1242.3	1242.5	1232.3	1237.4	1244.2	1249.8
G6.0	1238.8	1238.9	1239.9	1239.2	1238.7	1238.6	1228.4	1234.0	1241.8	1248.2
G7.0	1235.8	1235.8	1236.7	1235.7	1234.7	1233.9	1223.8	1230.1	1239.0	1246.1
G8.0	1232.4	1232.3	1233.1	1231.9	1230.2	1228.7	1218.5	1225.7	1235.7	1243.8
G9.0	1228.4	1228.2	1229.1	1227.8	1225.2	1223.0	1212.9	1220.7	1232.0	1241.1
G10.0	1223.9	1223.4	1224.9	1223.3	1220.2	1217.0	1206.4	1215.3	1227.8	1237.8
G11.0	1218.7	1218.2	1220.1	1218.5	1214.4	1210.4	1200.1	1209.3	1223.4	1234.4
G12.0	1213.0	1212.6	1214.9	1213.3	1208.4	1203.4	1192.4	1202.8	1218.4	1230.6
G13.0	1206.8	1206.4	1209.3	1207.9	1202.1	1195.7	1184.8	1196.0	1213.1	1226.4
G14.0	1200.2	1199.9	1203.5	1202.3	1195.7	1187.7	1176.3	1188.5	1207.5	1222.0
G15.0	1193.1	1192.6	1197.3	1196.3	1188.5	1179.2	1167.4	1180.7	1201.4	1217.3
G16.0	1185.3	1185.1	1190.7	1190.1	1181.2	1170.6	1158.3	1172.4	1195.3	1212.2
G17.0	1176.9	1176.9	1183.9	1183.5	1173.4	1161.1	1148.4	1163.4	1188.5	1206.9
G18.0	1168.0	1168.8	1176.7	1176.9	1165.6	1151.6	1138.0	1154.2	1181.6	1201.5
G19.0	1158.7	1159.8	1168.9	1169.7	1157.2	1141.7	1127.1	1144.5	1174.3	1195.8
G20.0	1149.3	1150.6	1161.0	1162.5	1148.8	1130.7	1116.1	1134.7	1167.0	1189.7
G21.0	1139.1	1140.8	1153.0	1155.0	1140.2	1119.9	1104.5	1124.0	1158.8	1183.3
G22.0	1128.4	1130.9	1144.7	1147.3	1131.1	1108.9	1092.2	1113.2	1150.7	1177.0
G23.0	1117.7	1120.3	1136.0	1139.3	1121.7	1097.5	1079.7	1102.3	1142.4	1170.3
G24.0	1105.8	1109.3	1127.2	1131.2	1112.0	1085.4	1066.9	1090.8	1134.2	1163.4
G25.0	1094.0	1098.2	1118.0	1122.8	1102.4	1073.3	1053.3	1078.8	1125.0	1156.0
G26.0	1082.0	1086.9	1108.8	1114.3	1092.2	1060.8	1039.6	1066.5	1116.0	1148.6
G27.0	1069.3	1074.8	1098.7	1105.3	1081.9	1048.0	1025.8	1053.9	1106.6	1141.0
G28.0	1056.3	1062.7	1088.9	1096.3	1071.3	1035.0	1011.7	1041.3	1097.1	1132.8
G29.0	1042.4	1049.9	1078.7	1087.2	1060.6	1021.7	996.5	1028.1	1086.9	1124.8
G30.0	1028.7	1037.2	1068.1	1077.8	1050.0	1007.9	981.8	1015.0	1076.7	1116.7
G31.0	1014.7	1024.2	1057.5	1068.8	1038.7	994.4	966.1	1000.7	1066.3	1108.0
G32.0	1000.0	1010.9	1046.5	1058.9	1027.4	980.0	950.9	987.1	1055.9	1099.6
G33.0	986.3	997.4	1035.8	1049.6	1016.1	966.1	935.1	973.0	1044.9	1090.7
G34.0	970.7	983.5	1024.4	1039.7	1004.6	951.6	919.0	958.9	1034.3	1082.0
G35.0	955.3	969.7	1013.7	1030.0	993.0	936.9	902.2	943.6	1023.0	1072.6
G36.0	940.4	955.0	1002.1	1019.8	981.2	921.8	885.9	929.3	1011.9	1063.5

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

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	924.6	941.2	990.5	1009.6	969.5	907.1	869.4	914.6	1000.8	1053.9
G38.0	908.2	926.1	978.9	999.1	957.6	891.5	852.6	898.9	989.4	1044.3
G39.0	892.7	911.6	967.7	988.8	945.7	876.2	835.0	883.9	977.7	1033.9
G40.0	875.8	896.2	955.2	977.9	933.2	860.7	817.7	868.8	965.9	1023.9
G41.0	859.5	881.3	943.7	967.1	920.8	845.4	800.2	852.5	953.9	1013.6
G42.0	842.3	865.6	930.9	956.1	908.3	829.2	782.9	837.0	941.5	1002.8
G43.0	825.5	850.4	918.8	945.0	895.9	813.2	764.4	821.1	929.2	992.3
G44.0	808.2	834.9	906.3	933.6	882.8	797.5	746.4	805.4	917.0	981.4
G45.0	790.7	819.0	893.9	922.7	870.5	782.0	728.7	788.5	904.1	970.2
G46.0	773.4	803.3	881.2	910.8	857.6	765.0	710.8	772.5	891.5	958.8
G47.0	756.1	786.9	868.3	899.7	844.6	749.9	692.5	755.8	878.3	947.5
G48.0	737.8	770.9	855.8	887.9	831.2	733.3	674.0	740.2	865.7	935.6
G49.0	720.3	755.1	843.1	875.8	818.7	717.5	655.1	723.5	852.2	923.8
G50.0	702.2	739.0	829.8	864.2	805.5	701.3	637.0	707.1	839.3	912.1
G51.0	684.0	723.6	816.9	852.1	791.9	684.7	617.9	690.8	825.6	899.6
G52.0	665.7	706.7	803.7	840.0	778.9	668.9	600.0	674.7	812.4	887.6
G53.0	647.7	691.3	790.7	828.0	765.8	652.6	580.7	657.6	798.9	874.9
G54.0	629.1	674.7	777.3	815.6	752.6	636.3	562.1	641.9	785.2	862.6
G55.0	610.5	658.9	763.9	803.4	738.9	620.8	542.6	625.4	771.5	849.8
G56.0	591.8	643.0	750.5	791.0	725.7	604.3	524.0	609.0	758.0	836.9
G57.0	574.0	626.5	737.4	778.4	712.2	588.7	505.0	593.0	743.9	824.2
G58.0	554.9	610.8	723.9	765.8	698.8	572.6	486.3	576.4	730.4	811.2
G59.0	536.4	594.6	711.0	753.4	685.9	556.9	466.4	560.2	716.3	798.0
G60.0	517.3	578.4	696.8	740.8	672.3	540.9	447.8	544.0	702.8	785.1
G61.0	499.0	562.8	683.7	727.8	658.9	525.1	429.1	528.3	688.5	771.1
G62.0	479.6	546.6	670.2	714.9	645.5	509.4	409.5	511.9	674.3	757.6
G63.0	461.2	531.5	657.1	702.4	632.4	493.9	390.3	496.0	660.9	744.3
G64.0	442.3	515.2	643.7	689.2	618.8	478.5	371.6	480.4	646.9	730.5
G65.0	423.2	500.1	630.1	676.7	605.7	463.3	352.4	464.8	633.2	717.0
G66.0	404.0	484.1	616.6	663.7	592.2	447.9	333.8	449.2	619.3	703.0
G67.0	385.0	468.9	603.5	650.6	578.9	432.5	314.4	433.9	605.1	689.1
G68.0	366.4	453.5	590.0	637.3	565.9	417.8	296.0	418.7	591.3	675.6
G69.0	347.3	438.7	576.6	624.4	552.4	403.0	276.9	403.7	577.7	661.7
G70.0	328.3	423.6	563.3	611.4	539.5	388.4	258.6	388.6	564.0	647.4
G71.0	309.4	409.0	550.3	598.6	526.4	374.2	240.1	374.3	550.2	633.7
G72.0	291.3	393.9	537.0	585.8	513.6	360.2	221.3	360.1	536.4	619.9
G73.0	271.6	379.6	524.1	572.8	500.4	345.8	203.1	345.9	522.8	605.5

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

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	253.9	365.6	511.0	559.5	488.1	332.4	186.0	332.0	509.5	591.8
G75.0	235.1	351.0	497.9	546.6	475.2	318.9	168.1	318.7	496.0	578.1
G76.0	217.4	337.5	485.1	534.2	462.4	306.0	151.0	305.1	482.7	563.6
G77.0	199.1	323.6	472.2	521.2	450.0	292.5	134.3	292.6	469.8	550.0
G78.0	181.5	310.6	459.9	508.8	438.1	280.1	118.3	279.3	456.1	536.1
G79.0	163.8	297.3	447.5	496.3	425.7	267.5	103.1	266.9	443.5	522.7
G80.0	147.3	284.5	434.9	484.0	413.7	255.7	88.2	255.1	430.6	508.8
G81.0	130.9	271.8	422.7	471.4	402.0	244.0	74.5	243.5	418.2	495.1
G82.0	115.0	259.9	410.7	459.3	390.4	232.6	60.8	231.8	405.7	481.6
G83.0	99.5	247.8	398.9	447.1	378.9	221.1	49.2	221.1	393.6	468.7
G84.0	85.1	236.4	387.4	435.3	367.8	210.5	38.9	210.2	381.3	455.6
G85.0	71.3	225.1	376.0	423.4	356.6	200.3	30.1	200.3	370.0	443.0
G86.0	58.8	214.6	364.5	412.0	345.5	190.2	22.6	190.4	357.9	430.0
G87.0	47.3	204.0	353.3	400.6	334.8	180.8	17.5	181.1	346.5	417.8
G88.0	37.4	194.1	342.3	389.3	324.4	171.7	14.6	172.1	335.6	405.5
G89.0	28.8	184.1	331.7	378.1	314.3	162.9	13.8	163.4	324.9	393.6
G90.0	22.5	174.9	321.2	367.6	304.0	154.5	13.5	155.2	313.9	381.3
G91.0	18.1	166.0	310.8	356.7	294.3	146.4	13.3	147.3	303.7	369.9
G92.0	16.2	157.6	301.0	346.3	284.7	138.8	13.2	139.3	293.3	358.3
G93.0	15.7	149.3	290.7	335.6	275.1	131.4	13.1	132.0	283.1	346.9
G94.0	15.4	141.6	281.1	325.8	265.9	124.5	12.9	124.9	273.1	336.0
G95.0	15.3	134.2	271.5	315.7	256.8	117.7	12.8	118.1	263.5	325.0
G96.0	15.0	127.2	262.5	306.0	248.0	111.4	12.7	111.4	253.9	314.2
G97.0	14.9	120.3	253.1	296.5	239.0	105.5	12.6	105.2	244.7	304.0
G98.0	14.7	113.7	244.5	287.1	230.8	99.5	12.5	99.0	235.2	293.1
G99.0	14.5	107.4	235.6	277.7	222.4	94.1	12.4	93.3	226.4	283.3
G100.0	14.4	101.6	227.1	268.6	214.5	88.9	12.3	87.4	217.5	273.3
G101.0	14.2	95.9	218.9	259.5	206.5	83.8	12.2	82.0	209.5	263.9
G102.0	14.0	90.6	210.6	250.7	198.9	79.1	12.1	76.9	200.9	254.3
G103.0	13.9	85.5	202.6	242.1	191.1	74.6	12.0	72.0	192.8	245.3
G104.0	13.7	80.6	194.9	233.8	184.0	70.2	11.9	67.2	183.3	236.1
G105.0	13.6	75.7	187.4	225.6	176.6	66.1	11.9	63.0	170.3	227.1
G106.0	13.4	71.3	179.9	217.7	169.8	62.2	11.8	59.2	159.3	218.3
G107.0	13.3	67.1	172.5	209.9	160.4	58.4	11.7	55.0	149.2	209.4
G108.0	13.1	63.0	164.7	202.0	149.3	54.8	11.6	50.9	142.2	198.6
G109.0	13.0	59.1	153.0	194.3	140.4	50.9	11.5	46.9	135.8	188.9
G110.0	12.9	55.4	143.7	185.4	132.6	47.2	11.4	43.4	130.1	181.1

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

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	12.7	51.9	135.1	174.1	126.8	43.4	11.4	40.1	123.9	173.7
G112.0	12.6	48.4	129.0	166.4	121.5	39.8	11.3	37.4	118.4	166.8
G113.0	12.5	44.5	123.6	159.5	116.3	36.8	11.2	35.1	112.6	159.8
G114.0	12.3	41.0	118.2	153.1	111.2	34.1	11.1	33.1	107.5	153.0
G115.0	12.2	37.8	113.0	146.6	106.2	31.8	11.1	31.1	102.5	146.4
G116.0	12.1	34.8	107.8	140.6	101.4	29.6	11.0	29.4	97.7	139.9
G117.0	12.0	32.2	102.5	134.5	97.1	27.6	10.9	27.5	92.8	133.6
G118.0	11.9	29.8	97.7	128.7	92.7	25.6	10.9	25.8	88.6	127.6
G119.0	11.8	27.7	92.8	122.8	88.2	24.0	10.8	24.1	84.3	121.5
G120.0	11.7	25.8	88.1	117.1	83.8	22.3	10.8	22.7	80.4	115.8
G121.0	11.6	24.0	83.7	111.5	79.6	20.9	10.7	21.2	76.4	110.0
G122.0	11.5	22.4	79.3	106.3	75.3	19.5	10.7	20.0	72.5	104.8
G123.0	11.4	20.9	75.5	101.1	71.3	18.3	10.6	18.7	68.7	99.7
G124.0	11.3	19.5	71.3	96.1	67.1	17.1	10.6	17.5	65.1	94.9
G125.0	11.2	18.2	67.4	91.1	63.1	16.1	10.6	16.5	61.3	90.2
G126.0	11.1	17.0	63.4	86.2	59.2	15.1	10.5	15.5	57.8	85.7
G127.0	11.1	15.9	59.6	81.6	55.3	14.3	10.5	14.7	54.5	81.3
G128.0	11.0	14.9	56.0	76.9	51.7	13.5	10.5	13.9	51.3	76.9
G129.0	10.9	14.1	52.3	72.6	48.1	13.1	10.4	13.3	48.2	72.6
G130.0	10.9	13.3	48.8	68.2	44.8	12.8	10.4	12.9	45.2	68.7
G131.0	10.8	12.9	45.5	64.2	41.7	12.7	10.4	12.6	42.3	64.7
G132.0	10.7	12.6	41.9	60.1	38.5	12.6	10.4	12.4	39.5	60.9
G133.0	10.7	12.5	38.7	56.2	35.8	12.5	10.4	12.3	36.8	57.2
G134.0	10.7	12.4	35.7	52.3	33.1	12.4	10.4	12.2	34.2	53.6
G135.0	10.6	12.3	32.9	48.6	30.5	12.4	10.4	12.1	31.8	50.0
G136.0	10.6	12.3	30.2	45.1	28.2	12.3	10.4	12.0	29.6	46.6
G137.0	10.6	12.2	27.8	41.7	26.1	12.3	10.4	12.0	27.5	43.3
G138.0	10.6	12.1	25.6	38.5	24.1	12.2	10.4	11.9	25.5	40.1
G139.0	10.5	12.1	23.6	35.5	22.2	12.2	10.4	11.9	23.5	37.2
G140.0	10.5	12.0	21.7	32.7	20.4	12.2	10.5	11.8	21.8	34.4
G141.0	10.5	12.0	19.9	30.1	18.8	12.1	10.5	11.8	20.1	31.7
G142.0	10.5	11.9	18.3	27.6	17.3	12.1	10.6	11.8	18.6	29.3
G143.0	10.5	11.9	16.8	25.2	16.0	12.1	10.6	11.8	17.2	26.9
G144.0	10.5	11.8	15.5	22.9	14.9	12.1	10.6	11.8	15.9	24.6
G145.0	10.6	11.8	14.5	21.0	14.2	12.1	10.7	11.8	14.9	22.5
G146.0	10.6	11.8	13.9	19.1	13.8	12.1	10.8	11.8	14.2	20.5
G147.0	10.6	11.8	13.5	17.5	13.6	12.2	10.9	11.9	13.9	18.7

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

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	10.6	11.8	13.4	16.0	13.5	12.2	11.0	11.9	13.7	17.1
G149.0	10.7	11.8	13.3	15.0	13.5	12.3	11.1	12.0	13.6	15.8
G150.0	10.8	11.8	13.3	14.4	13.4	12.3	11.2	12.0	13.5	14.9
G151.0	10.9	11.8	13.3	14.1	13.4	12.3	11.3	12.1	13.4	14.4
G152.0	11.0	11.9	13.3	14.0	13.4	12.4	11.4	12.1	13.3	14.2
G153.0	11.1	11.9	13.2	13.9	13.3	12.4	11.5	12.2	13.3	14.0
G154.0	11.2	11.9	13.2	13.8	13.3	12.5	11.5	12.2	13.2	13.8
G155.0	11.3	12.0	13.1	13.7	13.3	12.6	11.6	12.3	13.1	13.7
G156.0	11.4	12.1	13.1	13.7	13.3	12.6	11.7	12.3	13.1	13.6
G157.0	11.5	12.1	13.1	13.6	13.3	12.7	11.8	12.3	13.0	13.5
G158.0	11.6	12.2	13.1	13.6	13.3	12.7	11.9	12.4	13.0	13.4
G159.0	11.6	12.3	13.0	13.5	13.3	12.7	11.9	12.4	13.0	13.3
G160.0	11.8	12.3	13.0	13.5	13.3	12.8	12.0	12.4	12.9	13.3
G161.0	11.8	12.4	13.0	13.5	13.3	12.8	12.1	12.5	12.9	13.2
G162.0	11.9	12.4	13.0	13.4	13.3	12.9	12.2	12.5	12.9	13.1
G163.0	12.0	12.5	13.0	13.4	13.3	12.9	12.2	12.6	12.9	13.1
G164.0	12.1	12.6	13.0	13.4	13.3	12.9	12.3	12.6	12.9	13.1
G165.0	12.2	12.6	13.0	13.4	13.3	12.9	12.3	12.6	12.9	13.1
G166.0	12.3	12.6	13.0	13.4	13.3	13.0	12.4	12.6	12.9	13.0
G167.0	12.3	12.7	13.0	13.4	13.3	13.0	12.5	12.6	12.9	13.0
G168.0	12.4	12.7	13.0	13.4	13.3	13.0	12.5	12.7	12.9	13.0
G169.0	12.5	12.7	13.0	13.4	13.3	13.0	12.6	12.7	12.9	13.0
G170.0	12.6	12.7	13.0	13.4	13.3	13.0	12.6	12.7	12.9	13.0
G171.0	12.6	12.7	12.9	13.3	13.3	13.0	12.7	12.7	12.9	13.0
G172.0	12.7	12.7	12.9	13.3	13.2	13.0	12.7	12.7	12.8	12.8
G173.0	12.7	12.7	12.9	13.3	13.2	12.9	12.8	12.7	12.8	12.7
G174.0	12.8	12.7	12.9	13.3	13.1	12.9	12.8	12.7	12.8	12.9
G175.0	12.8	12.8	12.8	13.2	13.1	13.0	12.9	12.7	12.8	12.9
G176.0	12.9	12.8	12.8	13.2	13.0	13.0	12.9	12.7	12.7	12.8
G177.0	12.9	12.8	12.8	13.1	13.0	13.0	12.9	12.7	12.7	12.8
G178.0	12.9	12.8	12.8	13.0	13.0	12.9	12.9	12.8	12.7	12.7
G179.0	13.0	12.9	12.8	12.9	12.9	12.9	13.0	12.8	12.8	12.9
G180.0	13.0	12.8	12.8	12.9	12.9	12.9	13.0	12.8	12.8	12.9

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1253.6	1254.8	1243.9							
G1.0	1254.4	1255.6	1244.5							
G2.0	1254.8	1256.0	1244.5							
G3.0	1254.8	1255.7	1243.9							
G4.0	1254.4	1254.9	1242.8							
G5.0	1253.4	1253.7	1241.1							
G6.0	1251.9	1251.8	1238.8							
G7.0	1250.1	1249.5	1235.8							
G8.0	1247.6	1246.5	1232.4							
G9.0	1244.8	1243.1	1228.4							
G10.0	1241.7	1239.1	1223.9							
G11.0	1238.0	1234.5	1218.7							
G12.0	1233.9	1229.5	1213.0							
G13.0	1229.6	1223.9	1206.8							
G14.0	1224.6	1217.8	1200.2							
G15.0	1219.4	1211.4	1193.1							
G16.0	1213.8	1204.1	1185.3							
G17.0	1208.0	1196.5	1176.9							
G18.0	1201.8	1188.7	1168.0							
G19.0	1195.1	1180.2	1158.7							
G20.0	1188.2	1171.2	1149.3							
G21.0	1181.2	1161.9	1139.1							
G22.0	1173.6	1152.1	1128.4							
G23.0	1165.8	1141.7	1117.7							
G24.0	1157.8	1130.9	1105.8							
G25.0	1149.1	1120.2	1094.0							
G26.0	1140.7	1108.8	1082.0							
G27.0	1131.8	1097.3	1069.3							
G28.0	1122.8	1084.8	1056.3							
G29.0	1113.5	1072.6	1042.4							
G30.0	1103.8	1059.9	1028.7							
G31.0	1093.6	1047.1	1014.7							
G32.0	1083.4	1033.2	1000.0							
G33.0	1073.2	1019.5	986.3							
G34.0	1062.8	1005.9	970.7							
G35.0	1051.6	991.7	955.3							
G36.0	1040.8	977.1	940.4							

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1029.7	962.6	924.6							
G38.0	1018.6	947.6	908.2							
G39.0	1007.2	932.6	892.7							
G40.0	995.6	917.3	875.8							
G41.0	983.5	901.9	859.5							
G42.0	971.8	886.5	842.3							
G43.0	959.4	870.4	825.5							
G44.0	947.4	854.4	808.2							
G45.0	934.9	838.2	790.7							
G46.0	922.2	822.3	773.4							
G47.0	909.6	805.8	756.1							
G48.0	896.7	789.3	737.8							
G49.0	883.0	772.7	720.3							
G50.0	870.1	756.5	702.2							
G51.0	857.0	739.5	684.0							
G52.0	843.6	722.5	665.7							
G53.0	829.7	706.1	647.7							
G54.0	816.3	689.7	629.1							
G55.0	802.4	672.8	610.5							
G56.0	788.6	656.0	591.8							
G57.0	775.0	638.9	574.0							
G58.0	761.1	622.6	554.9							
G59.0	746.8	605.9	536.4							
G60.0	733.1	589.6	517.3							
G61.0	718.7	572.3	499.0							
G62.0	704.9	556.8	479.6							
G63.0	690.7	539.8	461.2							
G64.0	676.8	523.4	442.3							
G65.0	662.2	506.9	423.2							
G66.0	648.3	491.1	404.0							
G67.0	634.2	474.6	385.0							
G68.0	620.3	459.1	366.4							
G69.0	605.6	443.3	347.3							
G70.0	591.8	427.3	328.3							
G71.0	577.7	412.2	309.4							
G72.0	563.5	396.9	291.3							
G73.0	549.5	382.2	271.6							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	535.5	367.0	253.9							
G75.0	522.0	352.8	235.1							
G76.0	507.6	338.1	217.4							
G77.0	494.8	324.5	199.1							
G78.0	480.7	310.5	181.5							
G79.0	467.5	297.3	163.8							
G80.0	454.1	284.1	147.3							
G81.0	441.2	271.2	130.9							
G82.0	427.8	258.7	115.0							
G83.0	415.2	246.8	99.5							
G84.0	402.5	234.8	85.1							
G85.0	390.4	223.5	71.3							
G86.0	377.9	212.6	58.8							
G87.0	366.2	202.6	47.3							
G88.0	354.1	192.3	37.4							
G89.0	342.8	183.0	28.8							
G90.0	331.4	173.4	22.5							
G91.0	320.8	164.3	18.1							
G92.0	309.8	155.9	16.2							
G93.0	299.0	147.7	15.7							
G94.0	288.5	140.0	15.4							
G95.0	278.2	132.3	15.3							
G96.0	268.0	124.9	15.0							
G97.0	258.3	117.9	14.9							
G98.0	248.5	110.9	14.7							
G99.0	239.4	104.6	14.5							
G100.0	229.9	98.3	14.4							
G101.0	220.9	92.3	14.2							
G102.0	212.1	86.6	14.0							
G103.0	203.8	81.1	13.9							
G104.0	195.1	75.7	13.7							
G105.0	186.1	70.8	13.6							
G106.0	173.3	66.2	13.4							
G107.0	162.0	62.0	13.3							
G108.0	151.6	58.3	13.1							
G109.0	144.2	54.5	13.0							
G110.0	137.8	50.5	12.9							

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: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	131.7	46.6	12.7							
G112.0	125.4	43.0	12.6							
G113.0	119.4	39.8	12.5							
G114.0	113.7	36.9	12.3							
G115.0	108.1	34.6	12.2							
G116.0	102.6	32.5	12.1							
G117.0	97.3	30.5	12.0							
G118.0	92.8	28.6	11.9							
G119.0	88.4	26.7	11.8							
G120.0	84.3	25.0	11.7							
G121.0	80.3	23.4	11.6							
G122.0	76.3	21.9	11.5							
G123.0	72.3	20.6	11.4							
G124.0	68.7	19.2	11.3							
G125.0	64.9	18.0	11.2							
G126.0	61.4	16.8	11.1							
G127.0	57.9	15.7	11.1							
G128.0	54.5	14.8	11.0							
G129.0	51.1	14.0	10.9							
G130.0	47.8	13.3	10.9							
G131.0	44.6	12.9	10.8							
G132.0	41.6	12.6	10.7							
G133.0	38.7	12.3	10.7							
G134.0	36.0	12.1	10.7							
G135.0	33.3	12.0	10.6							
G136.0	31.0	12.0	10.6							
G137.0	28.7	11.9	10.6							
G138.0	26.6	11.8	10.6							
G139.0	24.6	11.6	10.5							
G140.0	22.7	11.6	10.5							
G141.0	20.9	11.5	10.5							
G142.0	19.3	11.5	10.5							
G143.0	17.8	11.4	10.5							
G144.0	16.4	11.4	10.5							
G145.0	15.3	11.4	10.6							
G146.0	14.4	11.4	10.6							
G147.0	13.9	11.4	10.6							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 45-75
 Inspector:

FACTORY DIRECT LIGHTING

Tel:
Fax:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	13.6	11.4	10.6							
G149.0	13.4	11.4	10.7							
G150.0	13.3	11.5	10.8							
G151.0	13.2	11.5	10.9							
G152.0	13.1	11.6	11.0							
G153.0	12.9	11.6	11.1							
G154.0	12.8	11.7	11.2							
G155.0	12.7	11.8	11.3							
G156.0	12.6	11.9	11.4							
G157.0	12.5	11.9	11.5							
G158.0	12.5	12.0	11.6							
G159.0	12.5	12.0	11.6							
G160.0	12.5	12.1	11.8							
G161.0	12.4	12.1	11.8							
G162.0	12.5	12.2	11.9							
G163.0	12.6	12.3	12.0							
G164.0	12.6	12.3	12.1							
G165.0	12.6	12.4	12.2							
G166.0	12.6	12.4	12.3							
G167.0	12.6	12.4	12.3							
G168.0	12.7	12.5	12.4							
G169.0	12.7	12.5	12.5							
G170.0	12.7	12.5	12.6							
G171.0	12.7	12.6	12.6							
G172.0	12.7	12.6	12.7							
G173.0	12.7	12.6	12.7							
G174.0	12.7	12.6	12.8							
G175.0	12.7	12.7	12.8							
G176.0	12.7	12.7	12.9							
G177.0	12.7	12.7	12.9							
G178.0	12.7	12.8	12.9							
G179.0	12.8	12.9	13.0							
G180.0	12.8	12.9	13.0							

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: 8.690 m
 Humidity: 45-75
 Inspector: