



Tel:
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Report No.: 7寸

Test Time: 2021-01-05 12:43

Luminaire Property

Luminaire Manufacturer:
Lamp Catalog: LED
Voltage: 120.0 V
Power: 12.15 W

Lamp Description: LED
Current: 0.104 A
Power Factor: 0.975

Photometric Results

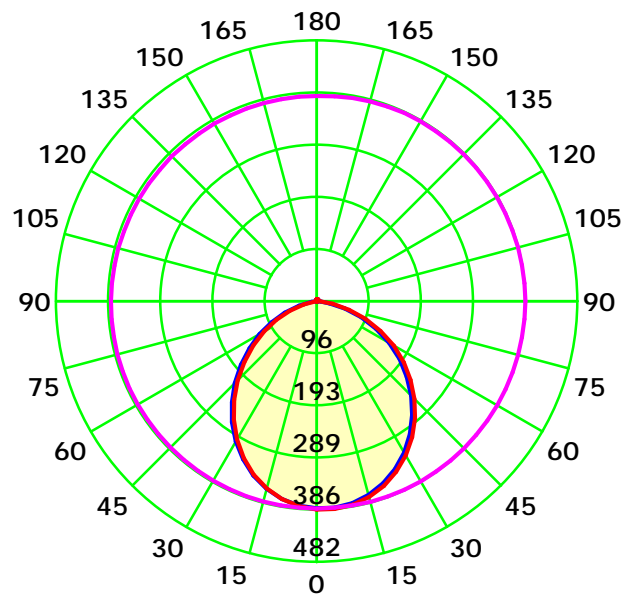
CIE Class: Direct
Measurement Flux: 979.6 lm
Downward Ratio: 99%
Field Angle: H151.9 V151.3
Luminaire Efficacy Rating (LER): 81
Max. Intensity: 386.15 cd

Total Rated Lamp Lumens: 979.6 lm
Efficiency: 100%
Upward Ratio: 1%
Beam Angle: H102.9 V102.9
Central Intensity: 383.75 cd
Pos of Max. Intensity: H90 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 102.9° Unit: cd

— C0-C180 — C90-C270 — G5

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

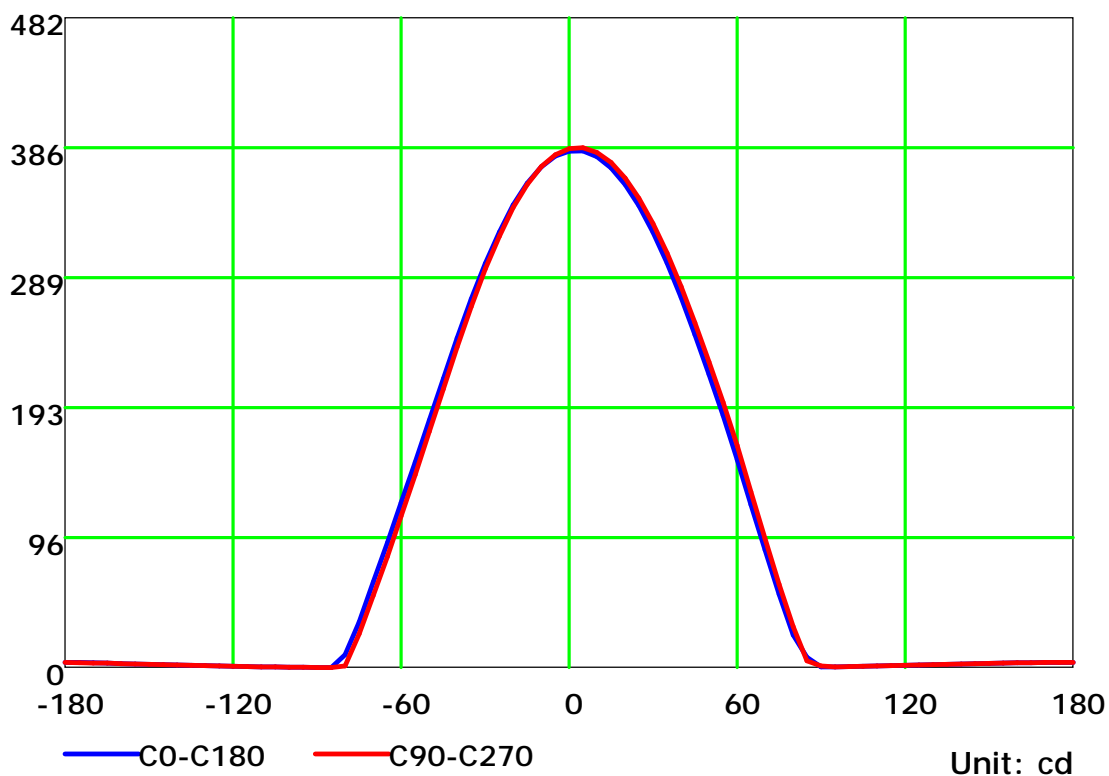
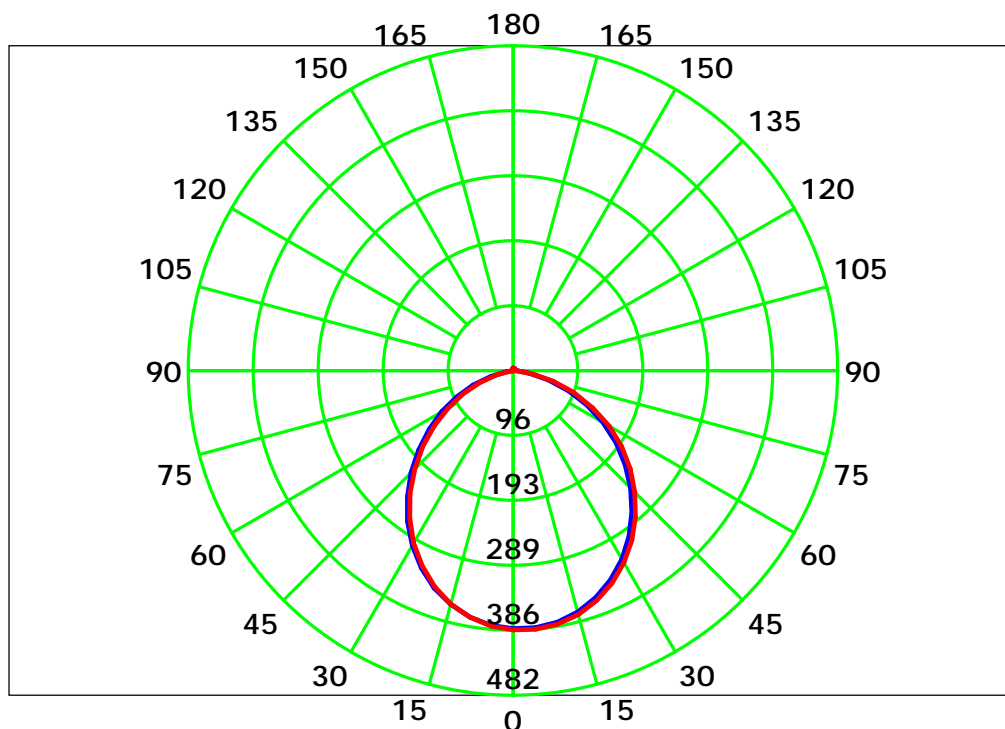
Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
Humidity: 56%
Inspector:



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Fax:

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Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
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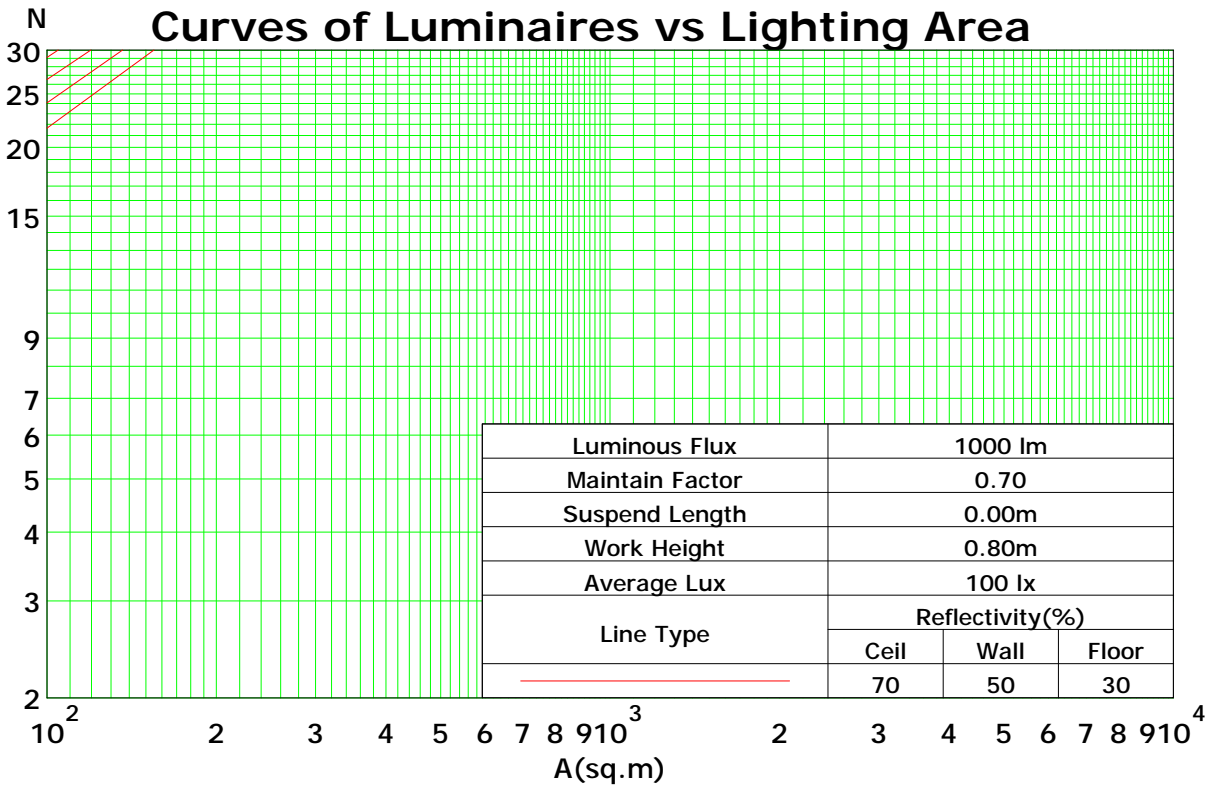


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Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	90	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	71
3	91	81	74	67	89	80	73	67	77	71	65	74	69	64	71	67	63	61
4	84	72	64	58	82	71	63	57	68	62	56	66	60	55	64	59	54	52
5	77	65	56	50	75	64	56	49	62	54	49	59	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	47	43	52	47	42	40
7	66	53	45	39	65	52	44	39	51	43	38	49	43	38	48	42	37	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	34	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

Spacing Criteria (0-180): 1.21
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.31



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

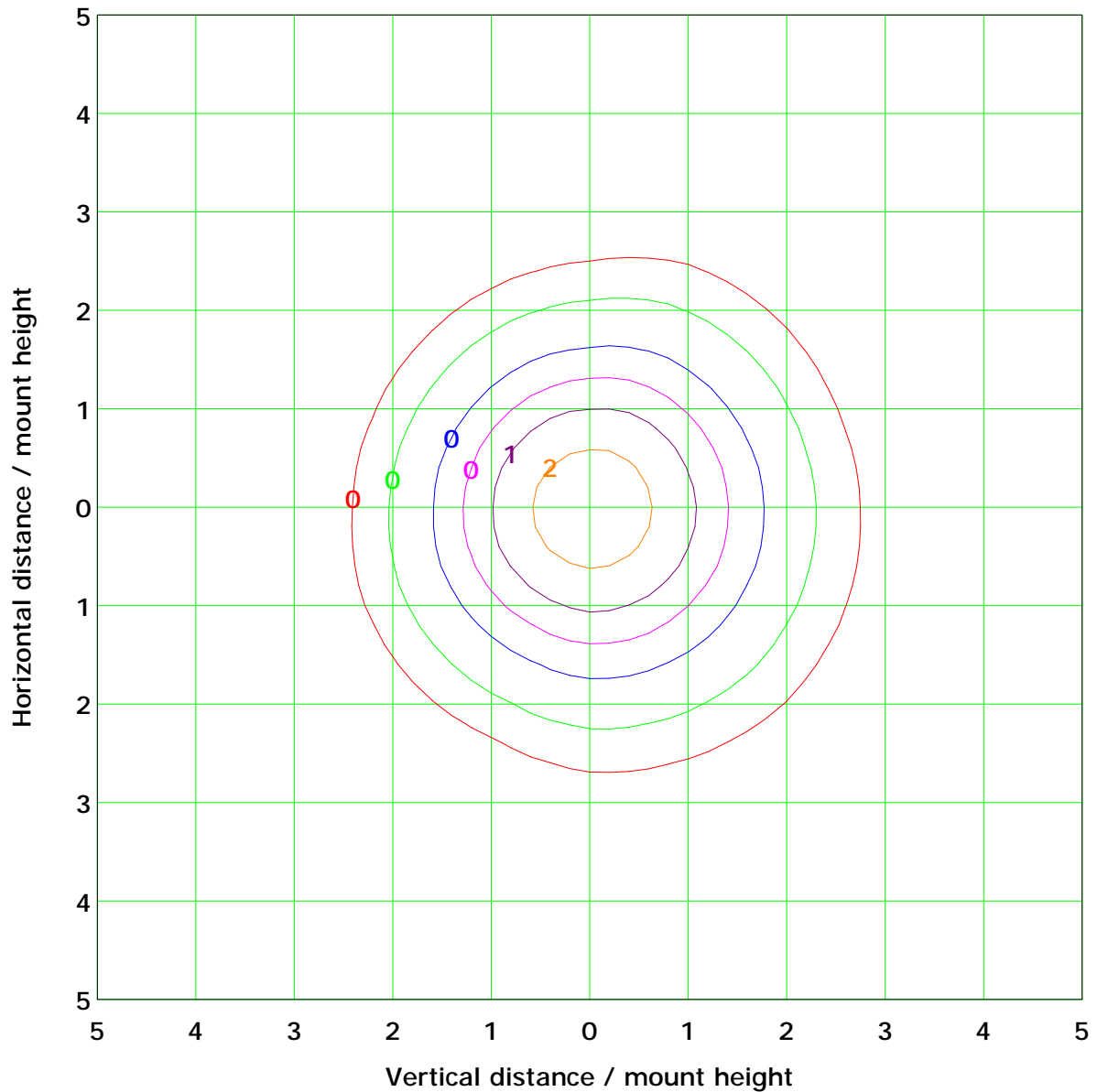
Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
Humidity: 56%
Inspector:



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IsoLux Plot



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
Humidity: 56%
Inspector:



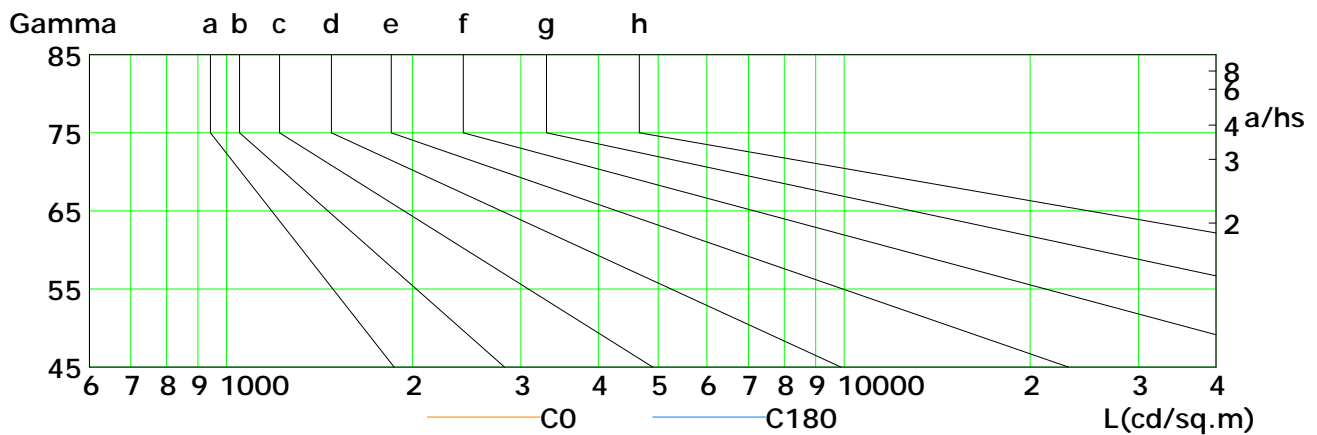
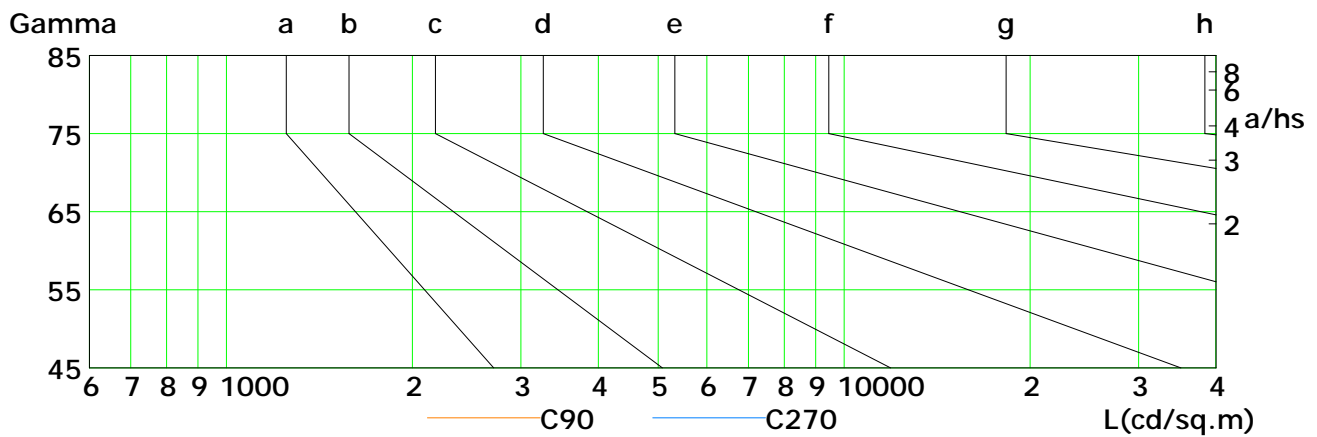
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	247	218	187	155	121	88	55	24	8
C90	256	227	197	165	131	96	62	30	5
C180	215	184	153	123	93	63	34	10	0
C270	207	175	143	112	82	54	25	1	0

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

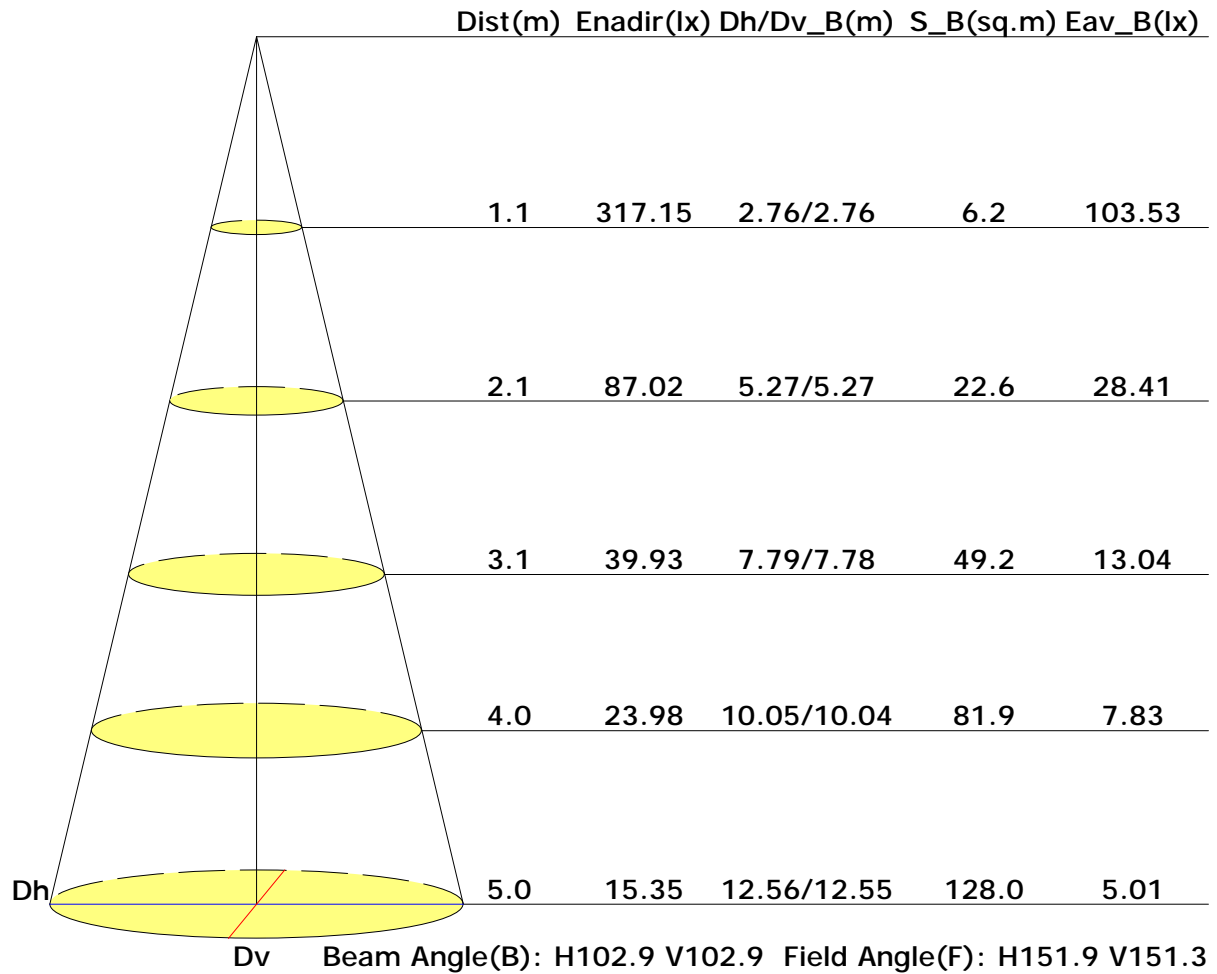
Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
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Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

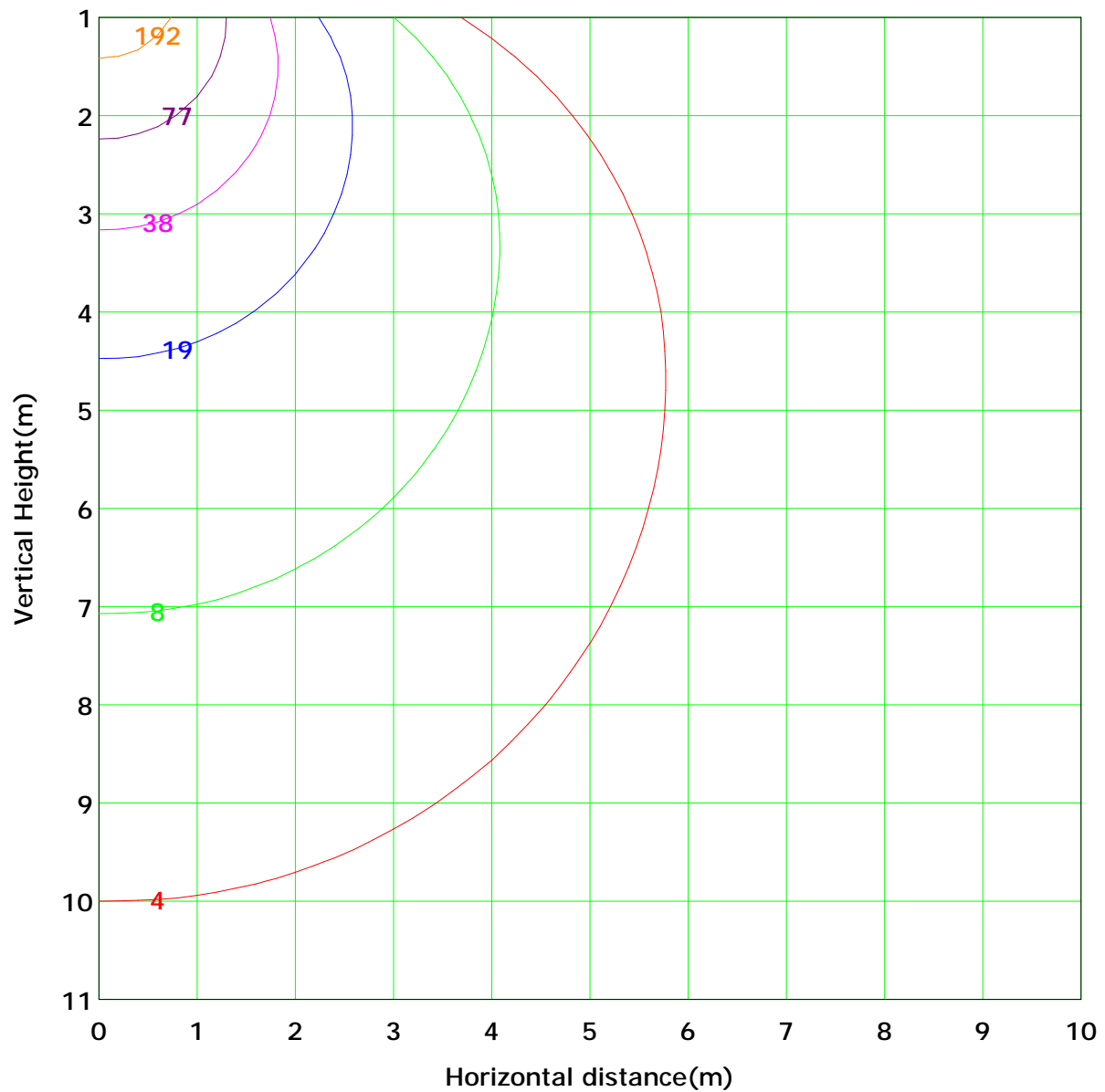
Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
Humidity: 56%
Inspector:



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Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 383.8 lx

(1%): 3.8 lx	(2%): 7.7 lx
(5%): 19.2 lx	(10%): 38.4 lx
(20%): 76.8 lx	(50%): 191.9 lx
(100%): 383.8 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

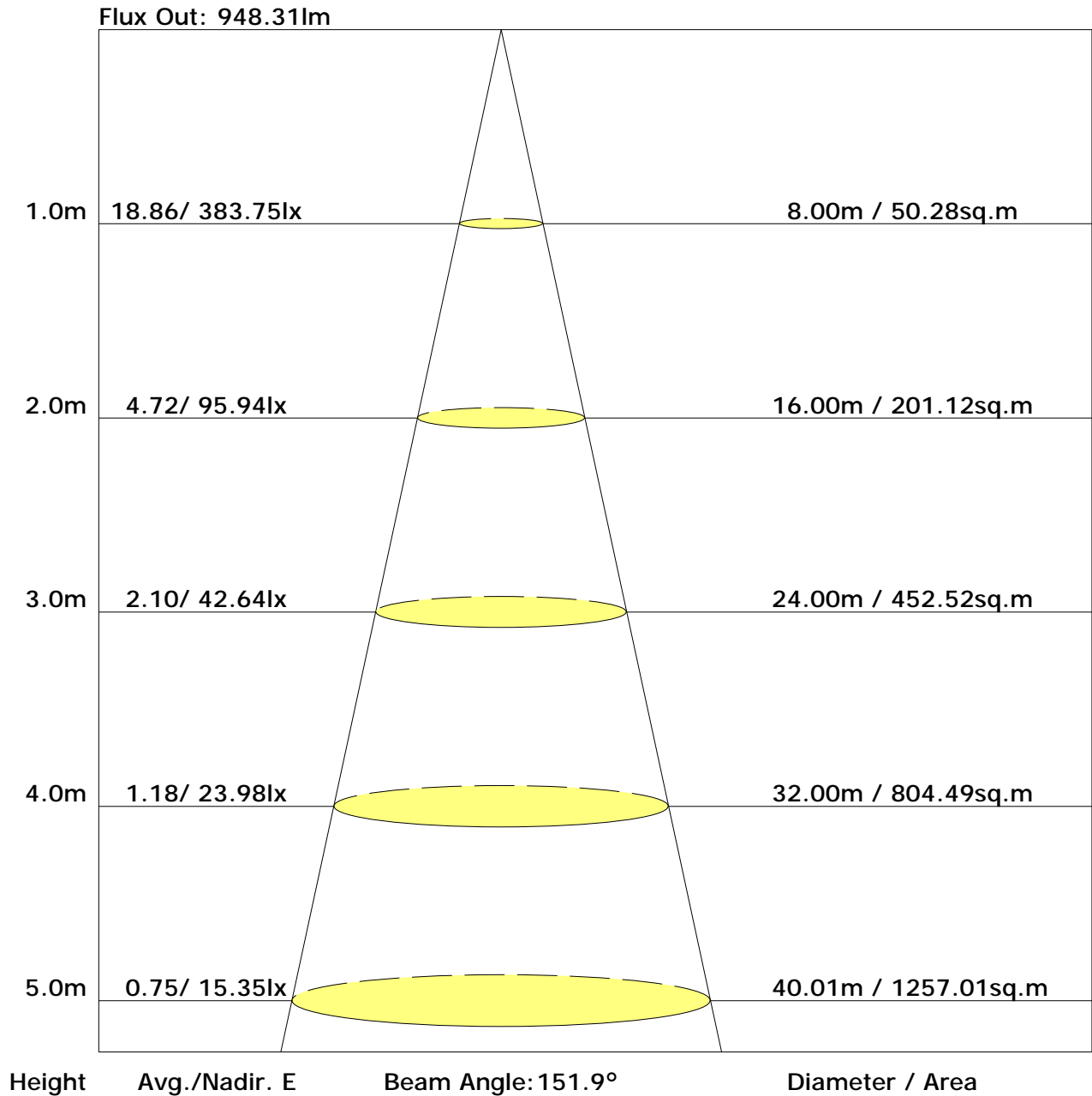
Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
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The Average Illuminance Effective Figure



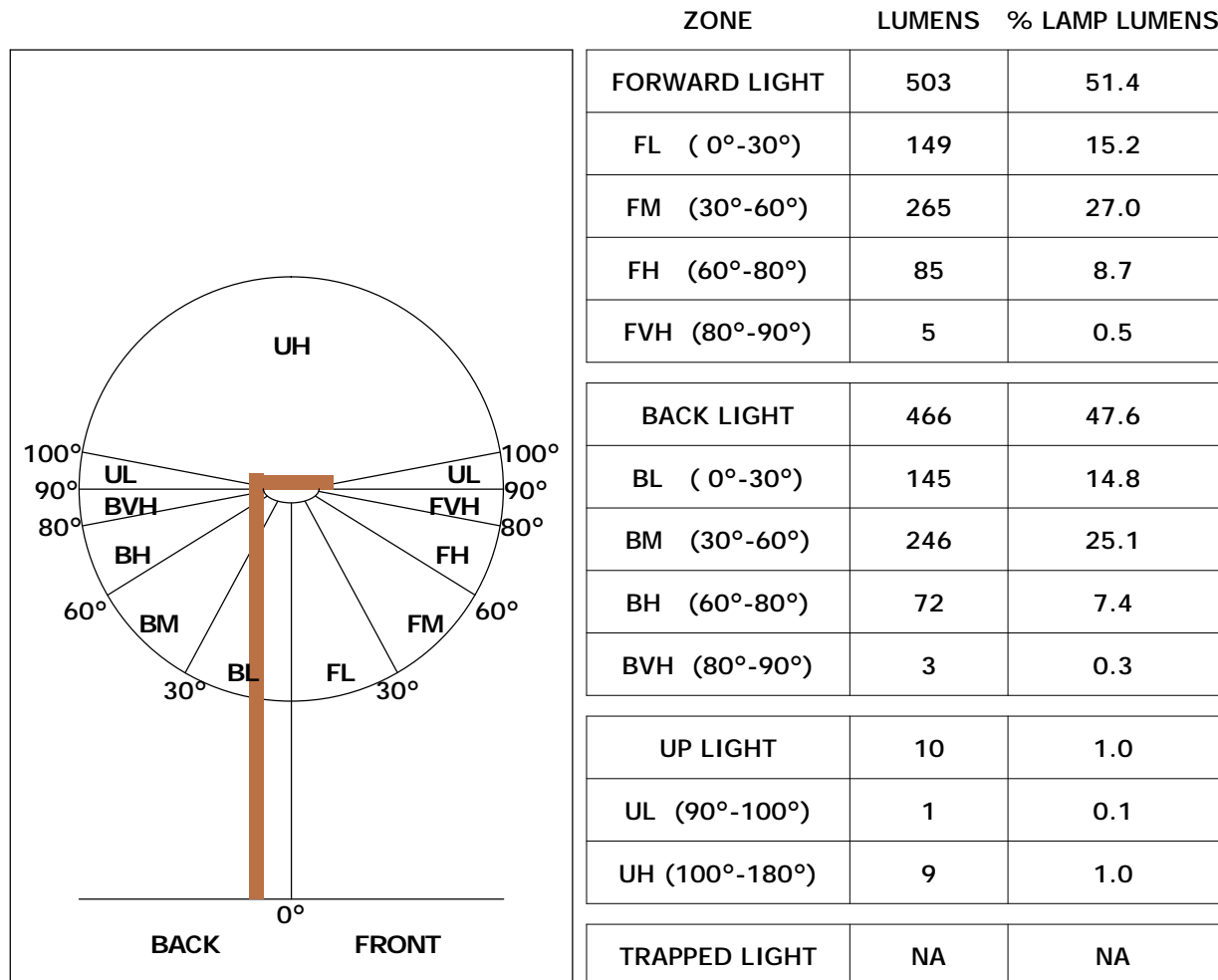
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25℃
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
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Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	384.2	9.2	9.2	0.94	0.94
5.0-10.0	380.1	27.2	36.4	2.78	3.71
10.0-15.0	371.9	44.1	80.5	4.50	8.22
15.0-20.0	359.6	59.3	139.8	6.05	14.27
20.0-25.0	343.5	72.0	211.8	7.35	21.62
25.0-30.0	323.6	81.9	293.7	8.36	29.98
30.0-35.0	300.4	88.5	382.2	9.03	39.02
35.0-40.0	274.3	91.5	473.7	9.34	48.36
40.0-45.0	246.0	91.1	564.8	9.30	57.66
45.0-50.0	216.3	87.4	652.3	8.92	66.58
50.0-55.0	185.8	80.8	733.0	8.25	74.83
55.0-60.0	154.8	71.6	804.6	7.31	82.14
60.0-65.0	123.6	60.1	864.7	6.13	88.27
65.0-70.0	92.4	46.8	911.5	4.78	93.05
70.0-75.0	61.8	32.3	943.8	3.30	96.35
75.0-80.0	33.1	17.7	961.5	1.81	98.15
80.0-85.0	12.0	6.5	968.0	0.67	98.82
85.0-90.0	2.7	1.5	969.5	0.15	98.97
90.0-95.0	0.7	0.4	969.9	0.04	99.01
95.0-100.0	0.5	0.3	970.1	0.03	99.04
100.0-105.0	0.7	0.4	970.5	0.04	99.07
105.0-110.0	0.8	0.4	970.9	0.04	99.12
110.0-115.0	1.0	0.5	971.5	0.05	99.17
115.0-120.0	1.3	0.6	972.1	0.06	99.23
120.0-125.0	1.5	0.7	972.8	0.07	99.30
125.0-130.0	1.7	0.8	973.5	0.08	99.38
130.0-135.0	2.0	0.8	974.3	0.08	99.46
135.0-140.0	2.2	0.8	975.2	0.08	99.55
140.0-145.0	2.5	0.8	976.0	0.09	99.63
145.0-150.0	2.8	0.8	976.8	0.08	99.72
150.0-155.0	3.0	0.8	977.6	0.08	99.79
155.0-160.0	3.2	0.7	978.2	0.07	99.86
160.0-165.0	3.4	0.6	978.8	0.06	99.92
165.0-170.0	3.6	0.4	979.2	0.04	99.96
170.0-175.0	3.8	0.3	979.5	0.03	99.99
175.0-180.0	3.8	0.1	979.6	0.01	100.00

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Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	383.8	384.3	384.6	384.8	385.6	386.0	386.1	386.1	383.8	384.3
G5.0	383.8	384.9	385.6	385.8	386.1	385.5	384.9	384.2	380.0	379.6
G10.0	379.5	381.5	382.5	383.0	382.6	380.8	379.7	378.4	371.9	370.7
G15.0	371.2	374.2	375.6	376.1	375.3	372.2	370.5	368.5	359.8	357.4
G20.0	359.0	362.8	364.8	365.3	363.7	359.6	357.2	354.5	343.7	340.5
G25.0	343.2	347.8	350.1	350.8	348.6	343.4	340.3	336.9	323.4	319.5
G30.0	323.5	328.8	331.6	332.4	329.9	323.6	320.2	315.9	300.1	295.0
G35.0	300.8	307.0	310.1	311.1	307.9	300.9	296.5	291.9	273.7	267.6
G40.0	275.0	281.8	285.4	286.5	283.1	275.1	270.2	264.9	244.9	238.1
G45.0	247.3	254.7	258.6	259.8	256.1	247.4	242.0	236.3	214.6	207.3
G50.0	217.8	225.5	229.7	231.0	227.3	218.1	212.3	206.3	183.7	176.1
G55.0	187.4	195.7	199.9	201.2	197.3	187.9	182.0	175.7	152.6	144.8
G60.0	154.8	164.3	169.5	170.0	165.1	156.9	151.3	145.1	122.5	114.5
G65.0	121.1	130.6	138.9	136.3	130.6	123.7	121.3	114.8	92.7	84.9
G70.0	87.6	96.2	104.9	102.8	95.9	90.2	90.7	84.8	63.5	57.6
G75.0	54.5	62.0	70.0	70.0	61.9	58.0	58.9	53.4	34.0	31.1
G80.0	24.4	30.0	37.5	38.9	30.5	28.2	29.0	23.6	9.6	9.5
G85.0	7.7	5.6	13.7	13.1	5.2	9.1	8.0	2.5	0.2	0.2
G90.0	0.6	1.4	4.4	4.3	1.4	1.4	0.6	0.5	0.2	0.2
G95.0	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.2	0.3
G100.0	0.8	0.8	0.7	0.8	0.8	0.9	0.8	0.9	0.4	0.4
G105.0	1.0	1.0	0.9	1.0	1.0	1.1	1.1	1.1	0.5	0.5
G110.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	0.6	0.6
G115.0	1.5	1.5	1.4	1.5	1.5	1.6	1.6	1.6	0.8	0.8
G120.0	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.0	1.0
G125.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	1.2	1.2
G130.0	2.3	2.2	2.2	2.2	2.3	2.3	2.4	2.4	1.5	1.5
G135.0	2.6	2.5	2.5	2.5	2.6	2.6	2.6	2.7	1.7	1.7
G140.0	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.0	2.0
G145.0	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.2	2.2	2.2
G150.0	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.3	2.5	2.5
G155.0	3.5	3.4	3.4	3.4	3.5	3.5	3.5	3.5	2.8	2.8
G160.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.1	3.1
G165.0	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.3	3.3
G170.0	3.9	3.8	3.8	3.9	3.9	3.8	3.9	3.9	3.6	3.6
G175.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7
G180.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25°C

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: GPM-1600L

Distance: 6.361 m

Humidity: 56%

Inspector:



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Candlepower Table (Continue 1)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	384.6	384.8	385.6	386.0	386.1	386.1	383.8			
G5.0	379.5	379.8	381.0	382.6	383.3	383.9	383.8			
G10.0	370.2	370.3	372.1	374.9	376.3	377.7	379.5			
G15.0	356.7	356.6	359.0	363.1	365.2	367.1	371.2			
G20.0	338.8	338.8	341.8	347.3	349.9	352.5	359.0			
G25.0	317.4	317.1	320.5	327.3	330.3	334.0	343.2			
G30.0	292.5	291.9	296.1	303.5	307.5	311.8	323.5			
G35.0	264.5	264.1	268.2	276.6	281.1	286.4	300.8			
G40.0	234.5	233.6	238.2	247.3	252.5	258.2	275.0			
G45.0	203.1	202.4	207.0	216.4	222.1	228.2	247.3			
G50.0	171.8	170.7	175.3	185.1	190.7	197.4	217.8			
G55.0	140.3	138.9	143.3	153.1	159.2	166.0	187.4			
G60.0	109.7	108.3	112.5	121.8	127.8	134.3	154.8			
G65.0	80.3	78.8	82.4	91.4	97.3	101.0	121.1			
G70.0	53.3	50.9	53.5	62.6	67.8	69.1	87.6			
G75.0	28.2	23.5	25.1	34.7	40.8	39.5	54.5			
G80.0	6.2	2.5	1.4	9.1	16.7	17.0	24.4			
G85.0	0.2	0.2	0.1	0.2	0.7	3.3	7.7			
G90.0	0.2	0.2	0.2	0.2	0.1	0.1	0.6			
G95.0	0.3	0.3	0.2	0.2	0.2	0.2	0.6			
G100.0	0.4	0.4	0.4	0.3	0.3	0.3	0.8			
G105.0	0.5	0.5	0.5	0.4	0.4	0.4	1.0			
G110.0	0.6	0.6	0.7	0.6	0.6	0.6	1.2			
G115.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5			
G120.0	1.0	1.0	1.0	0.9	0.9	0.9	1.8			
G125.0	1.2	1.2	1.2	1.1	1.1	1.1	2.0			
G130.0	1.4	1.5	1.5	1.4	1.4	1.4	2.3			
G135.0	1.7	1.7	1.7	1.6	1.6	1.6	2.6			
G140.0	2.0	2.0	2.0	1.9	1.8	1.9	2.8			
G145.0	2.2	2.3	2.2	2.1	2.1	2.1	3.1			
G150.0	2.5	2.5	2.5	2.4	2.4	2.4	3.3			
G155.0	2.8	2.8	2.8	2.7	2.7	2.7	3.5			
G160.0	3.1	3.1	3.1	3.0	3.0	3.0	3.6			
G165.0	3.3	3.3	3.3	3.3	3.2	3.2	3.7			
G170.0	3.5	3.5	3.6	3.5	3.5	3.5	3.9			
G175.0	3.7	3.7	3.8	3.7	3.7	3.7	3.9			
G180.0	3.9	3.9	3.9	3.8	3.8	3.8	3.9			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25℃
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 6.361 m
Humidity: 56%
Inspector: