

Report No.:

Test Time: 2019-07-25 10:40

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 0.6m 净化灯 Spark

Current: 0.144 A

Power Factor: 0.525

Voltage: 230.2 V

Power: 17.40 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1450.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 180.0, 156.9, 176.1, 175.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 120.0, 111.4, 114.0, 113.8

Luminaire Efficacy Rating (LER): 83.36

Max. Intensity: 364.11 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 1450.5 lm

Efficiency: 100%

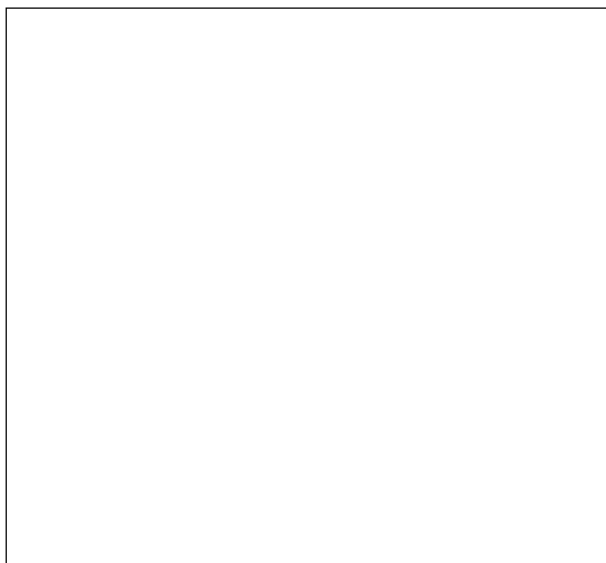
Upward Ratio: 0%

Central Intensity: 364.1 cd

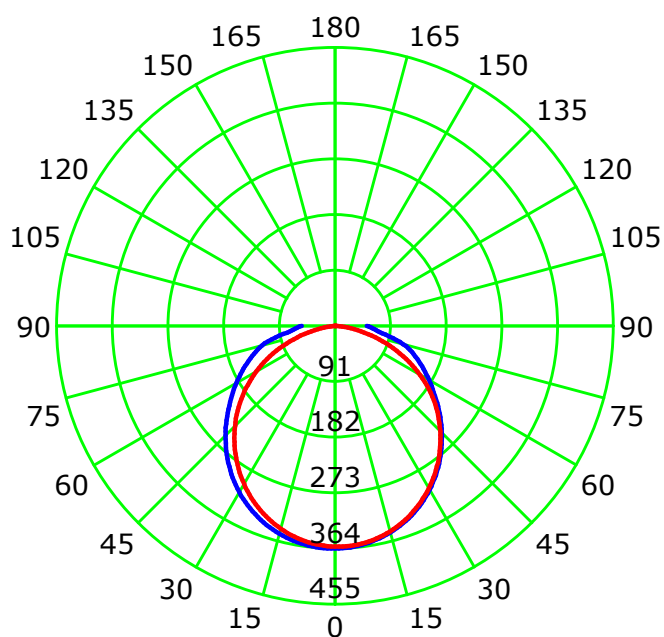
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab: Trontop

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

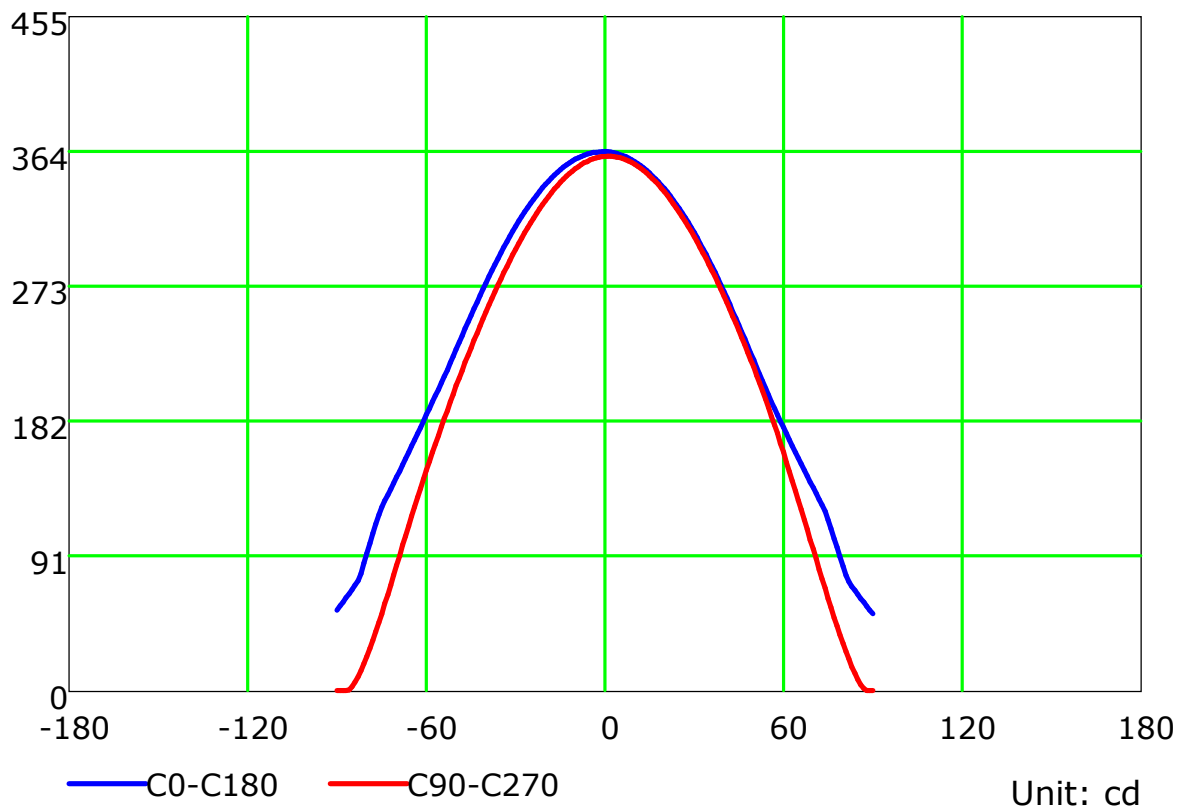
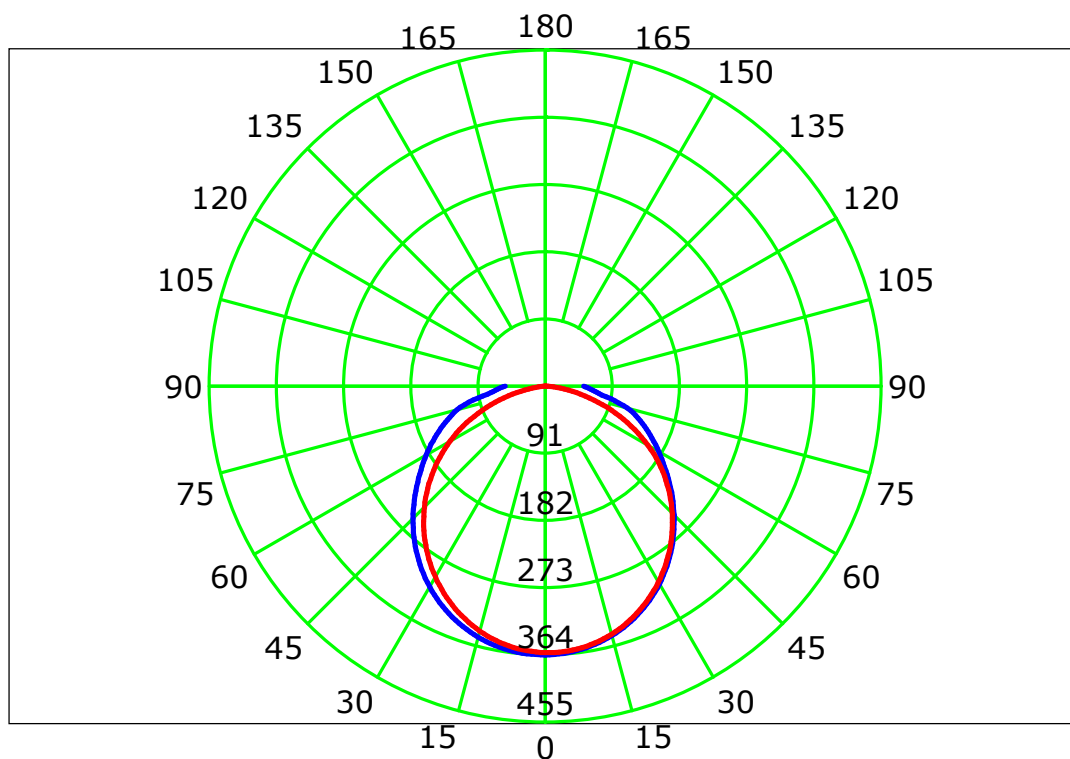
Test Device: GPM-1600L

Distance: 7.400 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab: Trontop
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Test Device: GPM-1600L
Distance: 7.400 m
Humidity:
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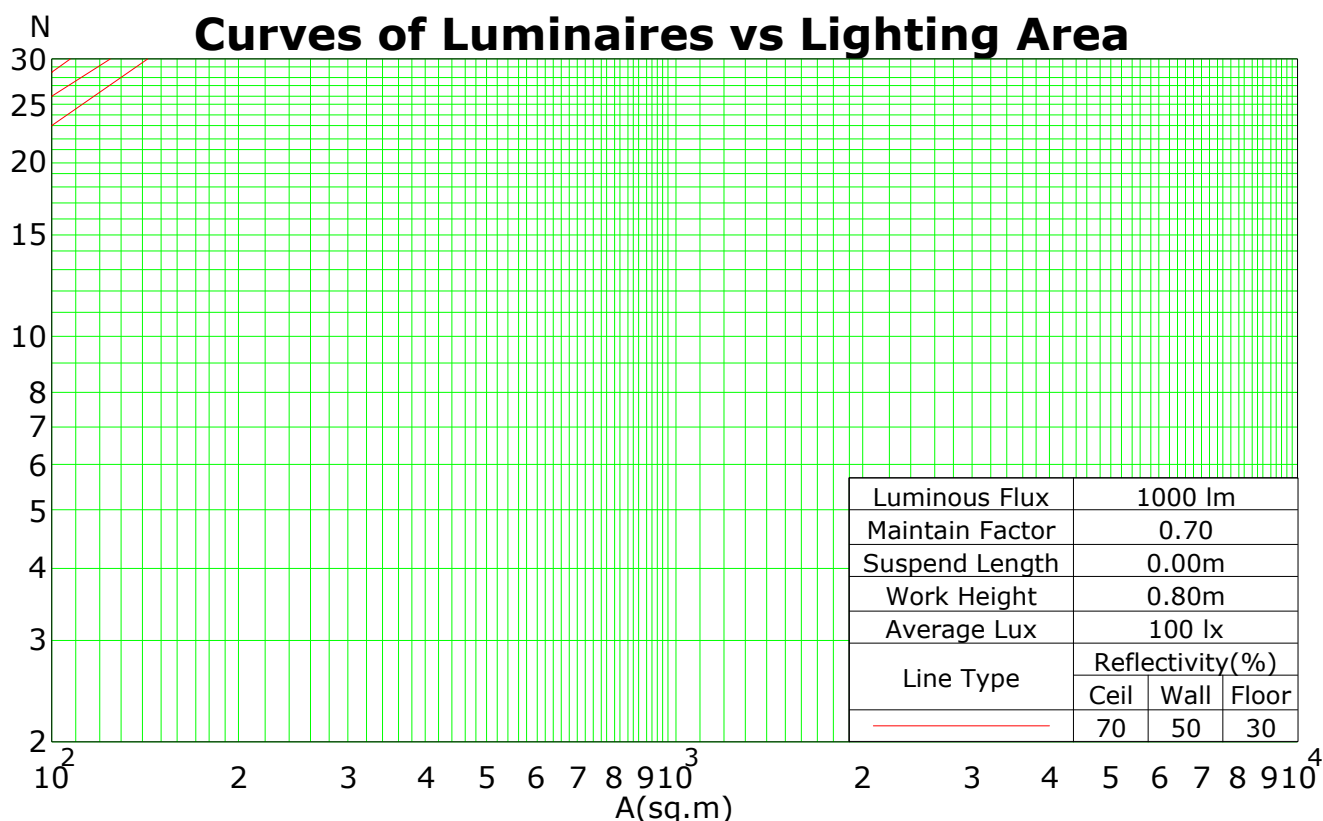
Coefficients Of Utilization - Zonal Cavity Method

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	102	102	102	100
1	107	102	97	93	105	100	95	91	95	92	89	92	89	86	88	85	83	81
2	97	88	81	75	94	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	57	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.37



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Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

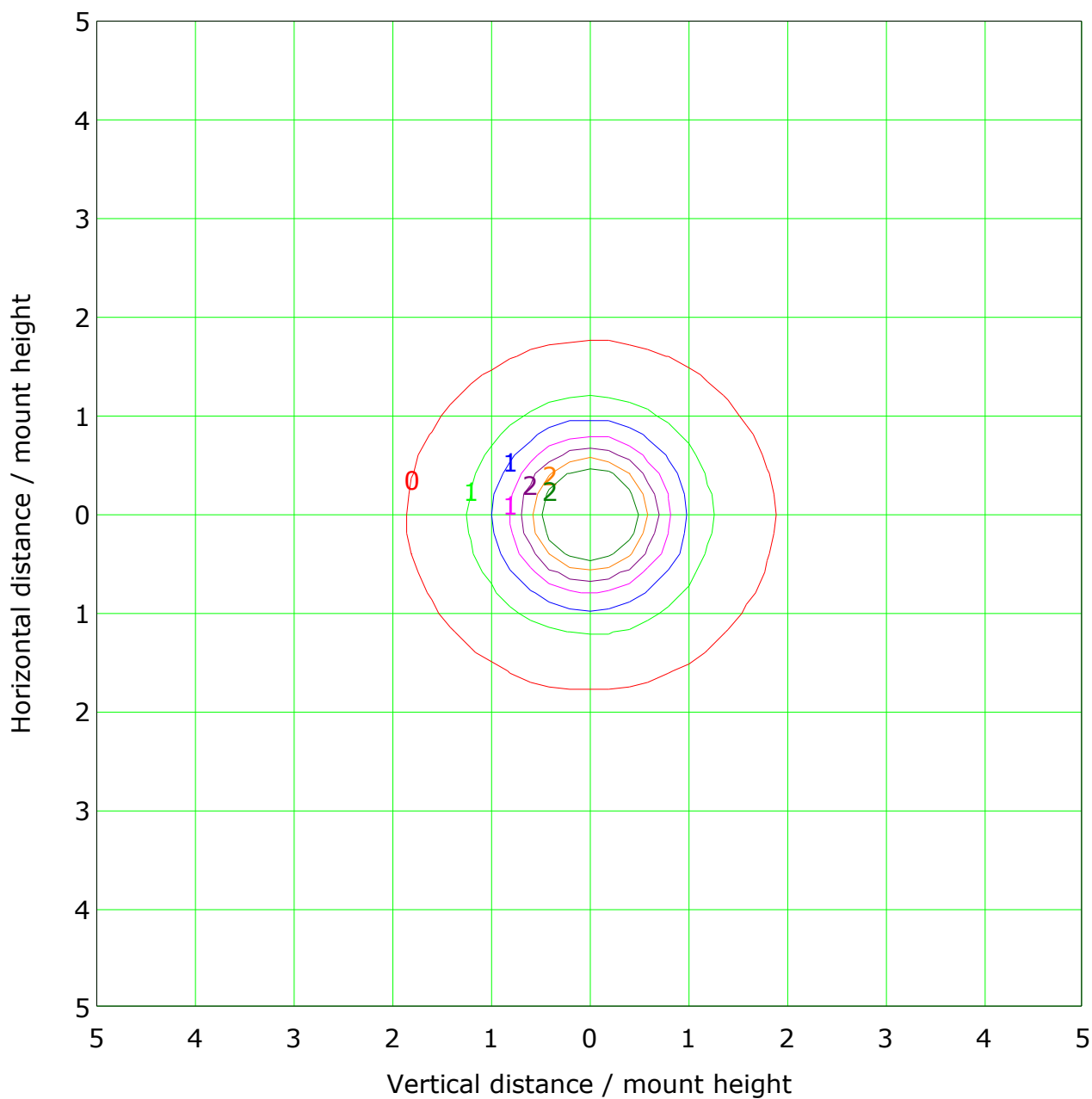
Test Device: GPM-1600L

Distance: 7.400 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.6 lx

(5%): 0.2 lx	(15%): 0.5 lx
(25%): 0.9 lx	(35%): 1.3 lx
(45%): 1.6 lx	(55%): 2.0 lx
(65%): 2.4 lx	

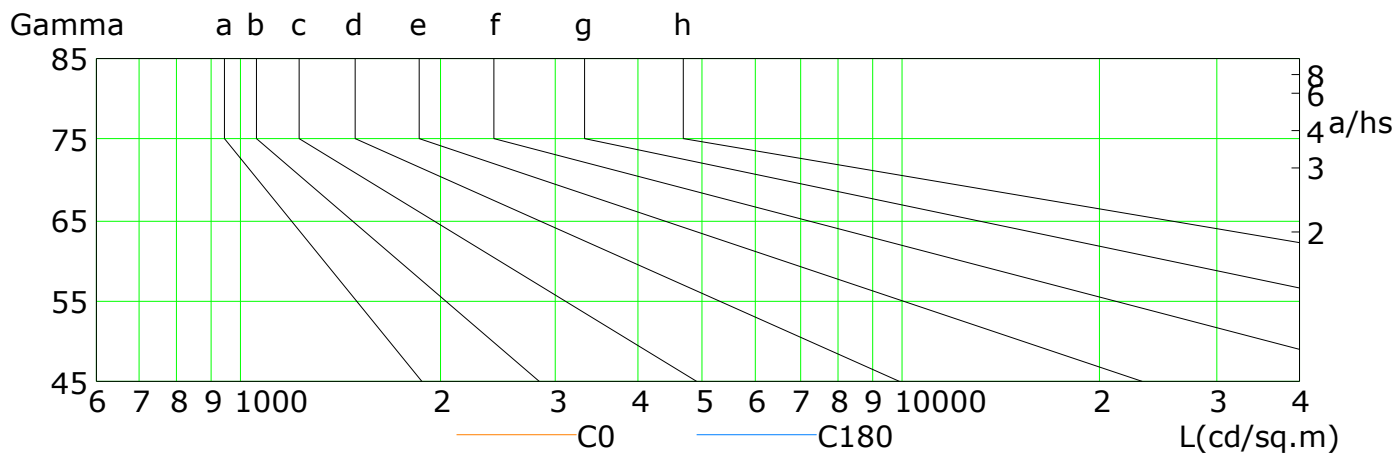
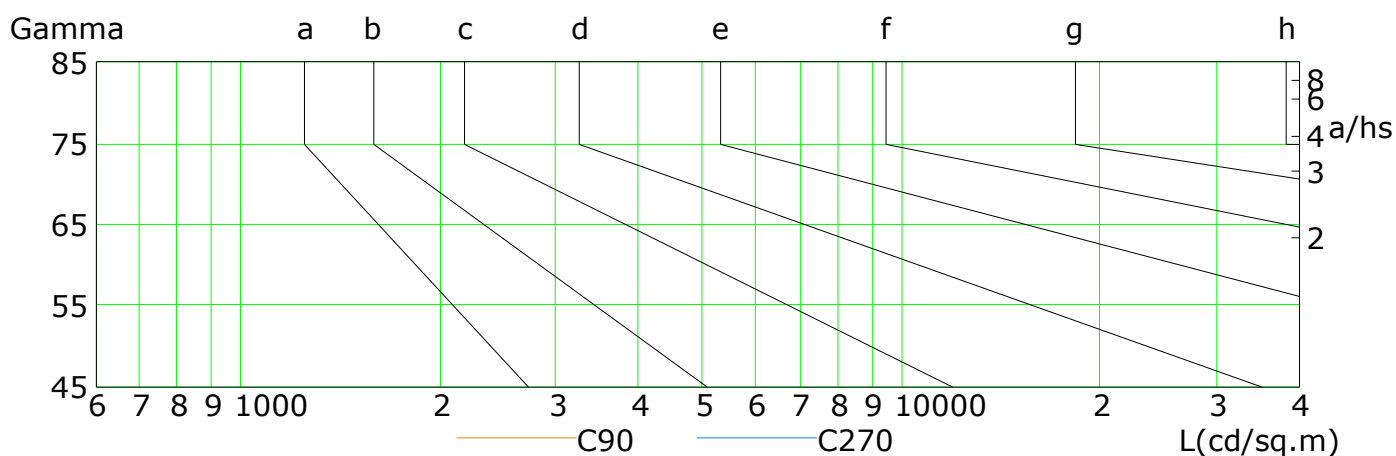
C Plane (°):0.0-360.0: 45.0
Test Lab: Trontop
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.400 m
Humidity:
Inspector:

Lum Limit Curve

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

a b c d e f g h

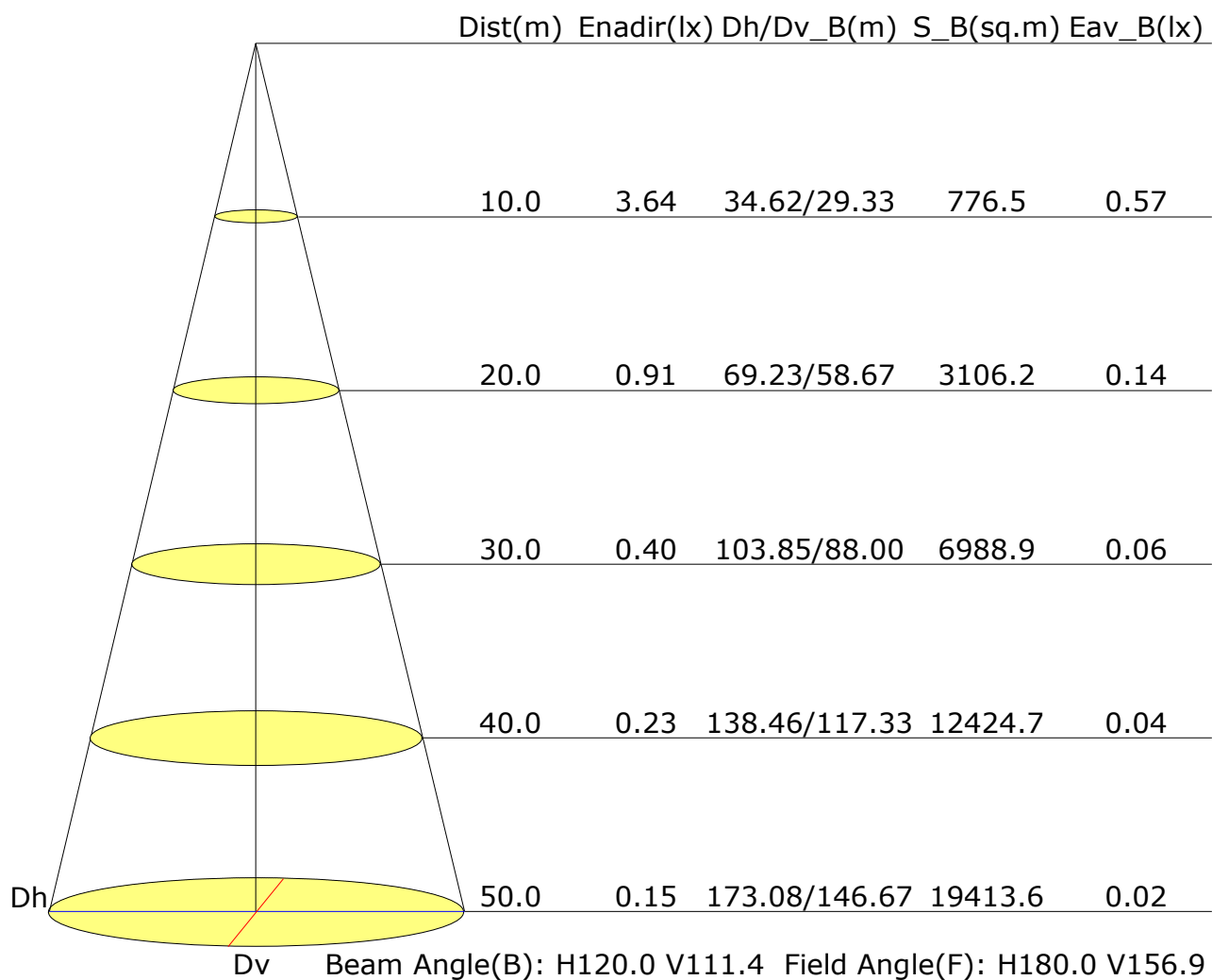


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	247	224	200	178	157	137	115	84	65
C90	244	219	191	161	129	96	62	32	8
C180	253	231	208	186	165	144	124	93	68
C270	231	206	178	149	118	85	52	23	3

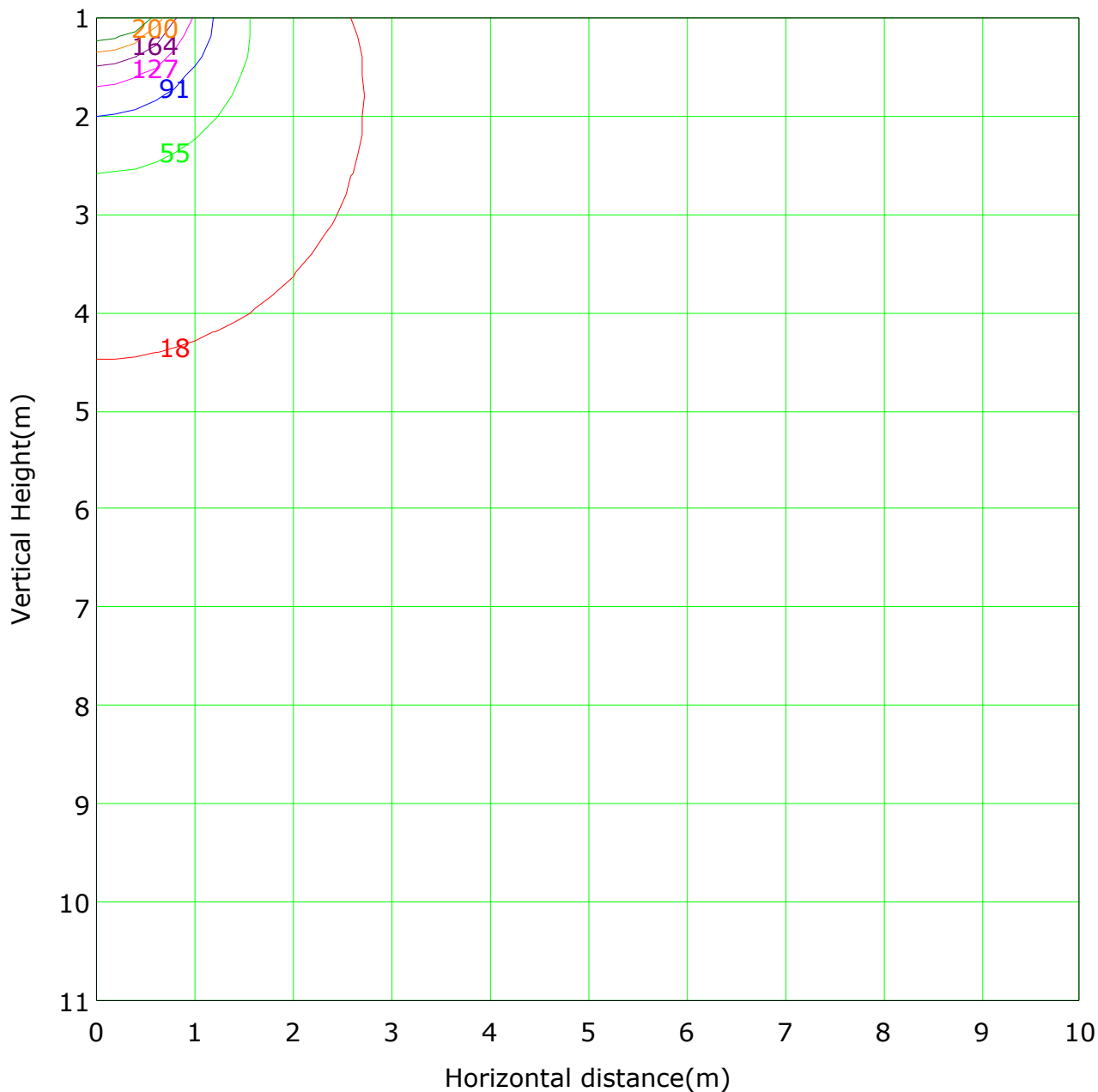
C Plane (°):0.0-360.0: 45.0
 Test Lab: Trontop
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.400 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



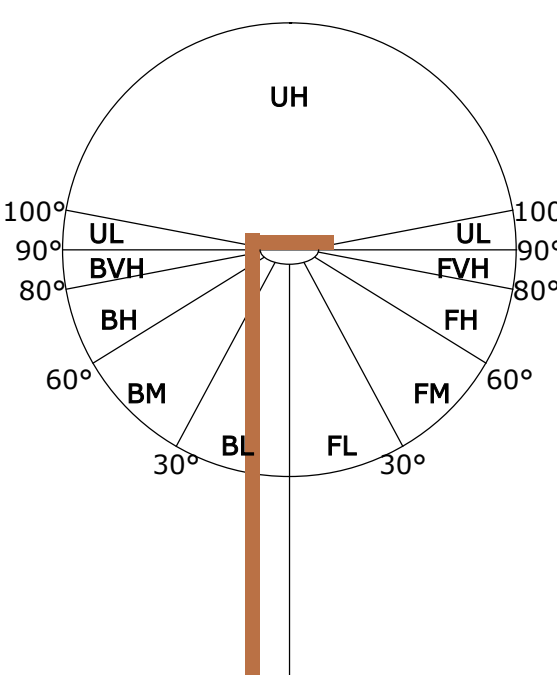
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 364.1 lx

(5%): 18.2 lx	(15%): 54.6 lx
(25%): 91.0 lx	(35%): 127.4 lx
(45%): 163.8 lx	(55%): 200.3 lx
(65%): 236.7 lx	

C Plane (°):0.0-360.0: 45.0
Test Lab: Trontop
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Gamma Plane (°):0.0-90.0:1.0
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Distance: 7.400 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	560	50.8
	FL (0°-30°)	141	12.8
	FM (30°-60°)	273	24.8
	FH (60°-80°)	121	11.0
	FVH (80°-90°)	24	2.2
	BACK LIGHT	542	49.2
	BL (0°-30°)	140	12.7
	BM (30°-60°)	266	24.1
	BH (60°-80°)	115	10.4
	BVH (80°-90°)	22	2.0
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

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

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.400 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	361.5	0.3	0.3	0.03	0.03
1.0-2.0	361.4	1.0	1.4	0.09	0.13
2.0-3.0	361.2	1.7	3.1	0.16	0.28
3.0-4.0	360.8	2.4	5.5	0.22	0.50
4.0-5.0	360.3	3.1	8.6	0.28	0.78
5.0-6.0	359.6	3.8	12.4	0.34	1.13
6.0-7.0	358.9	4.5	16.9	0.40	1.53
7.0-8.0	358.0	5.1	22.0	0.46	1.99
8.0-9.0	357.0	5.8	27.8	0.52	2.52
9.0-10.0	355.8	6.4	34.2	0.58	3.10
10.0-11.0	354.5	7.1	41.3	0.64	3.74
11.0-12.0	353.1	7.7	49.0	0.70	4.44
12.0-13.0	351.7	8.3	57.4	0.76	5.20
13.0-14.0	350.0	9.0	66.3	0.81	6.01
14.0-15.0	348.2	9.6	75.9	0.87	6.88
15.0-16.0	346.4	10.2	86.0	0.92	7.80
16.0-17.0	344.3	10.7	96.8	0.97	8.77
17.0-18.0	342.2	11.3	108.0	1.02	9.80
18.0-19.0	340.0	11.8	119.9	1.07	10.87
19.0-20.0	337.6	12.4	132.2	1.12	11.99
20.0-21.0	335.2	12.9	145.1	1.17	13.16
21.0-22.0	332.6	13.4	158.5	1.21	14.37
22.0-23.0	329.9	13.8	172.3	1.26	15.63
23.0-24.0	327.0	14.3	186.6	1.30	16.92
24.0-25.0	324.1	14.7	201.3	1.34	18.26
25.0-26.0	321.1	15.2	216.5	1.37	19.63
26.0-27.0	318.0	15.6	232.1	1.41	21.04
27.0-28.0	314.7	15.9	248.0	1.45	22.49
28.0-29.0	311.5	16.3	264.3	1.48	23.97
29.0-30.0	308.0	16.6	280.9	1.51	25.48
30.0-31.0	304.4	16.9	297.9	1.54	27.01
31.0-32.0	300.7	17.2	315.1	1.56	28.57
32.0-33.0	296.9	17.5	332.6	1.59	30.16
33.0-34.0	293.2	17.7	350.3	1.61	31.77
34.0-35.0	289.2	18.0	368.3	1.63	33.40
35.0-36.0	285.2	18.2	386.5	1.65	35.05

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 Distance: 7.400 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	281.1	18.3	404.8	1.66	36.71
37.0-38.0	276.8	18.5	423.3	1.68	38.38
38.0-39.0	272.6	18.6	441.9	1.69	40.07
39.0-40.0	268.1	18.7	460.6	1.70	41.77
40.0-41.0	263.6	18.8	479.4	1.70	43.47
41.0-42.0	259.2	18.8	498.2	1.71	45.18
42.0-43.0	254.6	18.9	517.1	1.71	46.89
43.0-44.0	249.8	18.9	535.9	1.71	48.60
44.0-45.0	245.1	18.8	554.8	1.71	50.31
45.0-46.0	240.3	18.8	573.6	1.70	52.01
46.0-47.0	235.5	18.7	592.3	1.70	53.71
47.0-48.0	230.6	18.6	610.9	1.69	55.40
48.0-49.0	225.5	18.5	629.5	1.68	57.08
49.0-50.0	220.7	18.4	647.9	1.67	58.75
50.0-51.0	215.5	18.2	666.1	1.65	60.40
51.0-52.0	210.3	18.1	684.1	1.64	62.04
52.0-53.0	205.3	17.9	702.0	1.62	63.66
53.0-54.0	200.1	17.6	719.7	1.60	65.26
54.0-55.0	195.0	17.4	737.1	1.58	66.84
55.0-56.0	189.8	17.2	754.2	1.56	68.39
56.0-57.0	184.6	16.9	771.1	1.53	69.92
57.0-58.0	179.5	16.6	787.7	1.51	71.43
58.0-59.0	174.3	16.3	804.0	1.48	72.91
59.0-60.0	169.1	16.0	820.0	1.45	74.36
60.0-61.0	163.9	15.6	835.6	1.42	75.78
61.0-62.0	158.6	15.3	850.9	1.39	77.16
62.0-63.0	153.6	14.9	865.8	1.35	78.52
63.0-64.0	148.4	14.6	880.4	1.32	79.84
64.0-65.0	143.3	14.2	894.6	1.29	81.12
65.0-66.0	138.4	13.8	908.4	1.25	82.38
66.0-67.0	133.3	13.4	921.8	1.22	83.59
67.0-68.0	128.3	13.0	934.8	1.18	84.77
68.0-69.0	123.3	12.6	947.4	1.14	85.91
69.0-70.0	118.3	12.1	959.5	1.10	87.01
70.0-71.0	113.5	11.7	971.3	1.06	88.08
71.0-72.0	108.6	11.3	982.6	1.02	89.10

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Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.400 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
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