

Report No.:

Test Time: 2019-07-25 10:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 1.2m 净化灯 Spark

Current: 0.301 A

Power Factor: 0.547

Voltage: 230.1 V

Power: 38.01 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3303.2 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 180.0, 159.7, 179.0, 178.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 118.3, 111.6, 113.9, 113.7

Luminaire Efficacy Rating (LER): 86.95

Max. Intensity: 1085.24 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 3303.2 lm

Efficiency: 100%

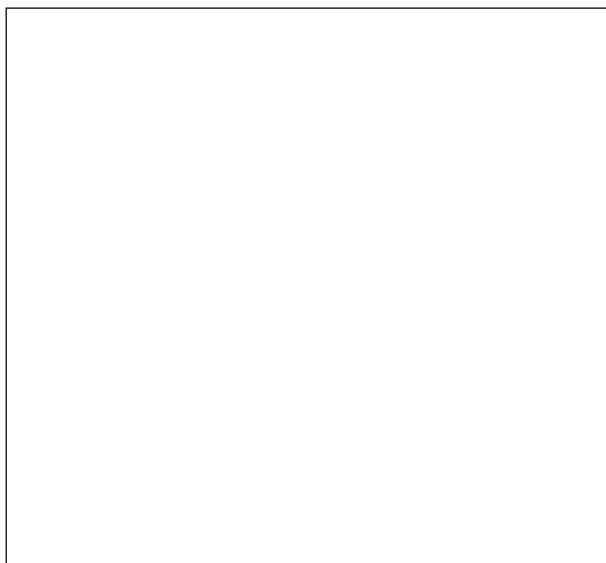
Upward Ratio: 0%

Central Intensity: 1084.98 cd

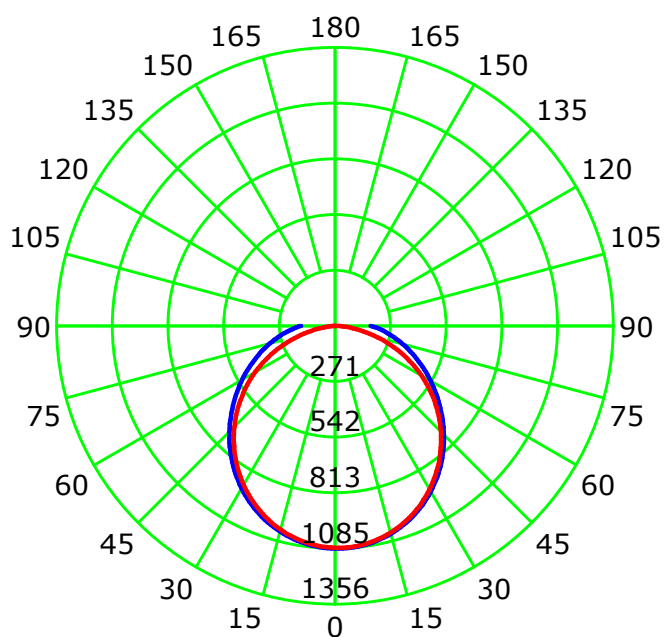
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

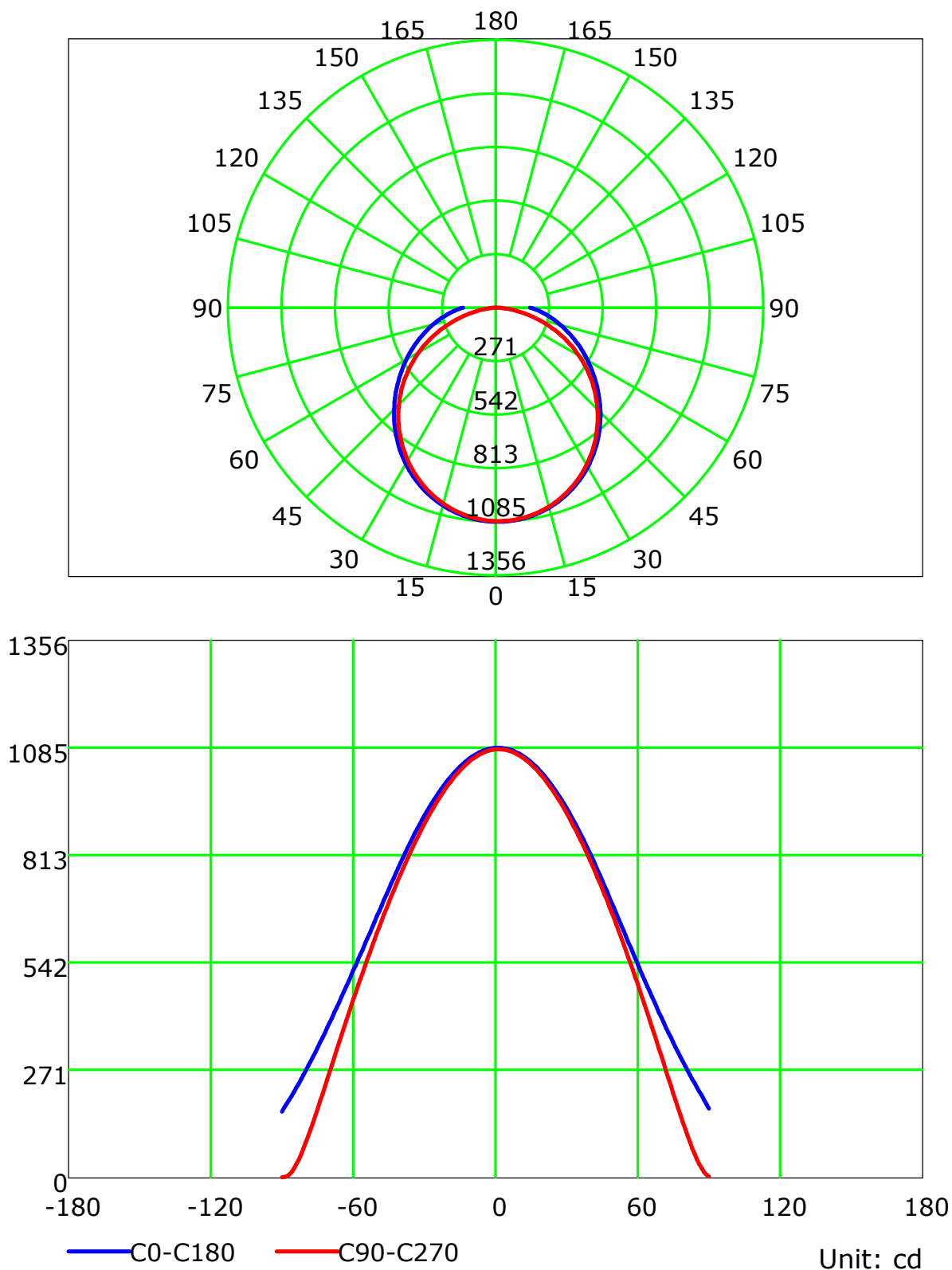
Test Device: GPM-1600L

Distance: 7.400 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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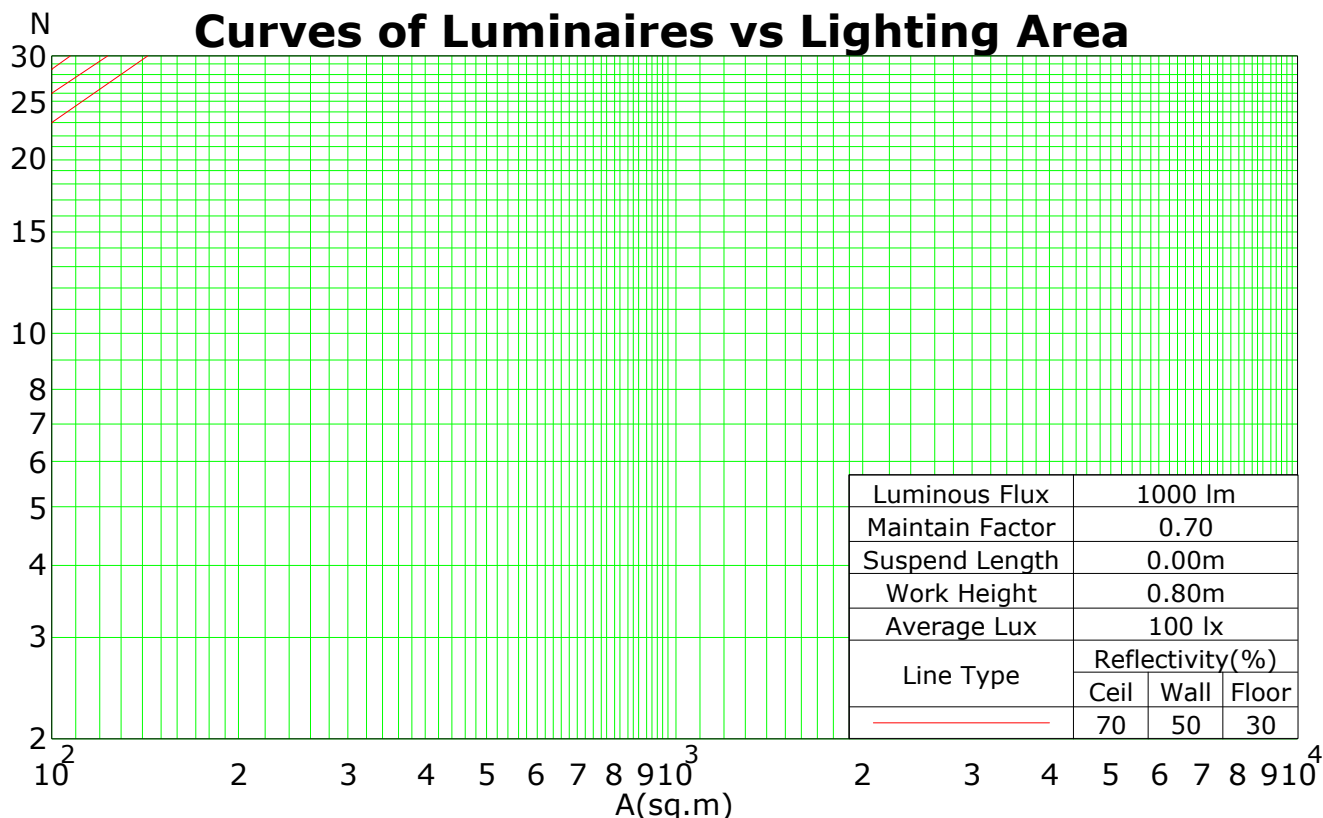
Coefficients Of Utilization - Zonal Cavity Method

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	104	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	60	54	49	47
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	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	29	25	36	29	24	35	29	24	23

Spacing Criteria (0-180): 1.26

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

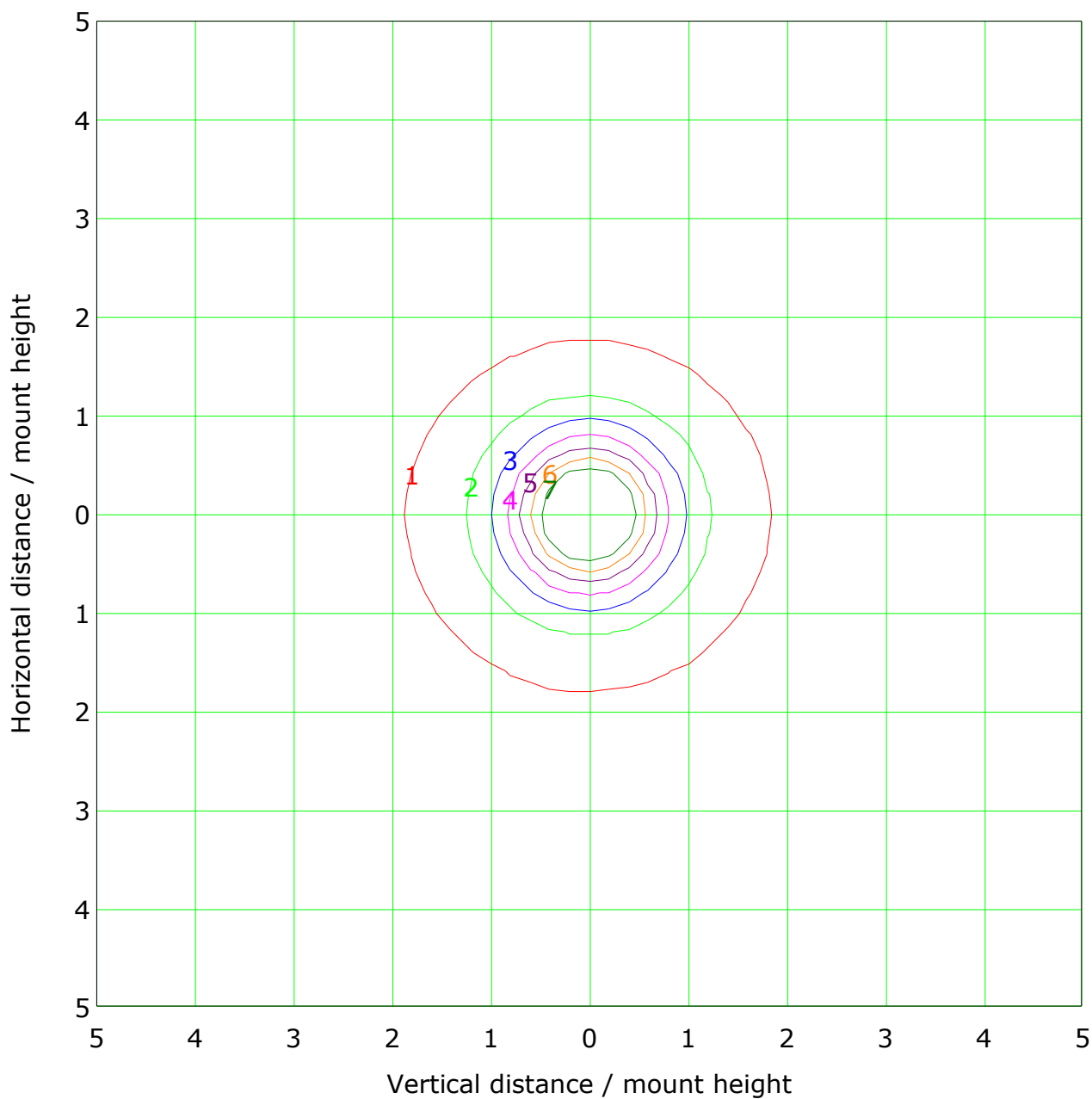
Test Device: GPM-1600L

Distance: 7.400 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 10.8 lx	
(5%):	0.5 lx	(15%):	1.6 lx
(25%):	2.7 lx	(35%):	3.8 lx
(45%):	4.9 lx	(55%):	6.0 lx
(65%):	7.1 lx		

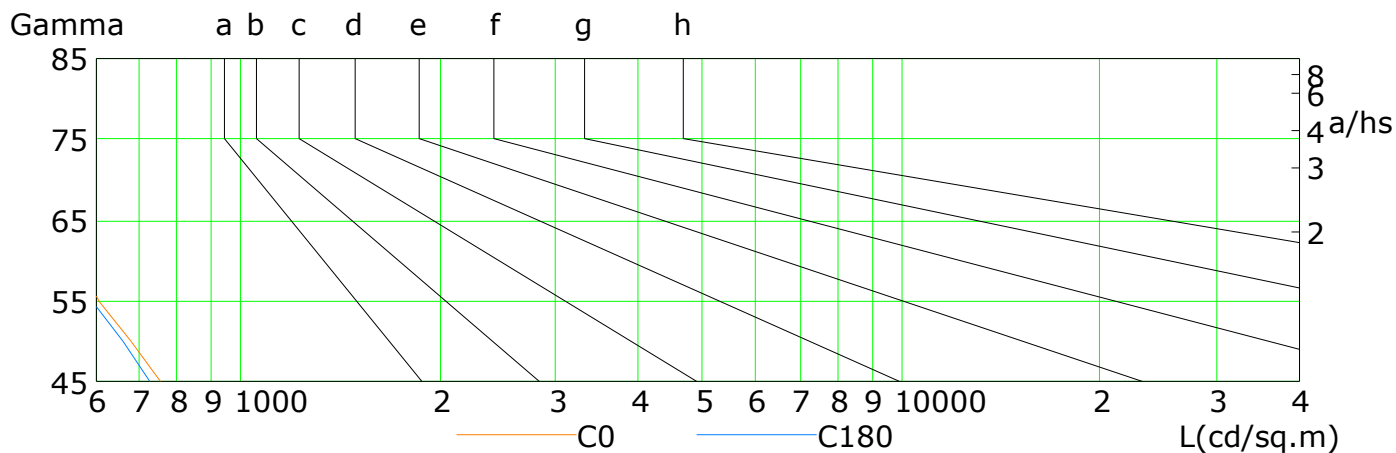
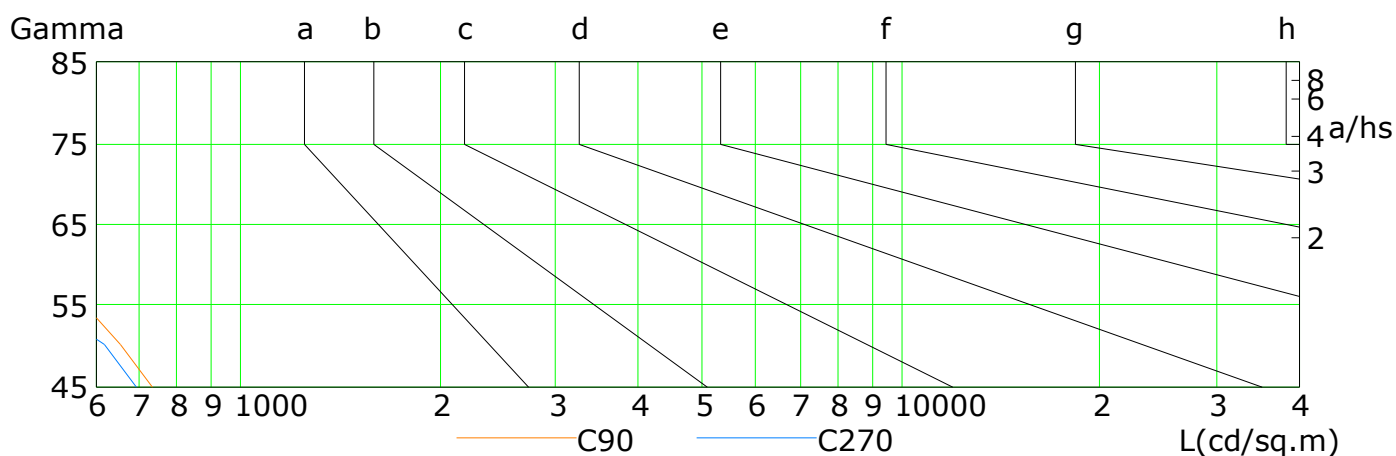
C Plane (°):0.0-360.0: 45.0
Test Lab: Trontop
Test Type: TYPE C
Temperature:
Operator:

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

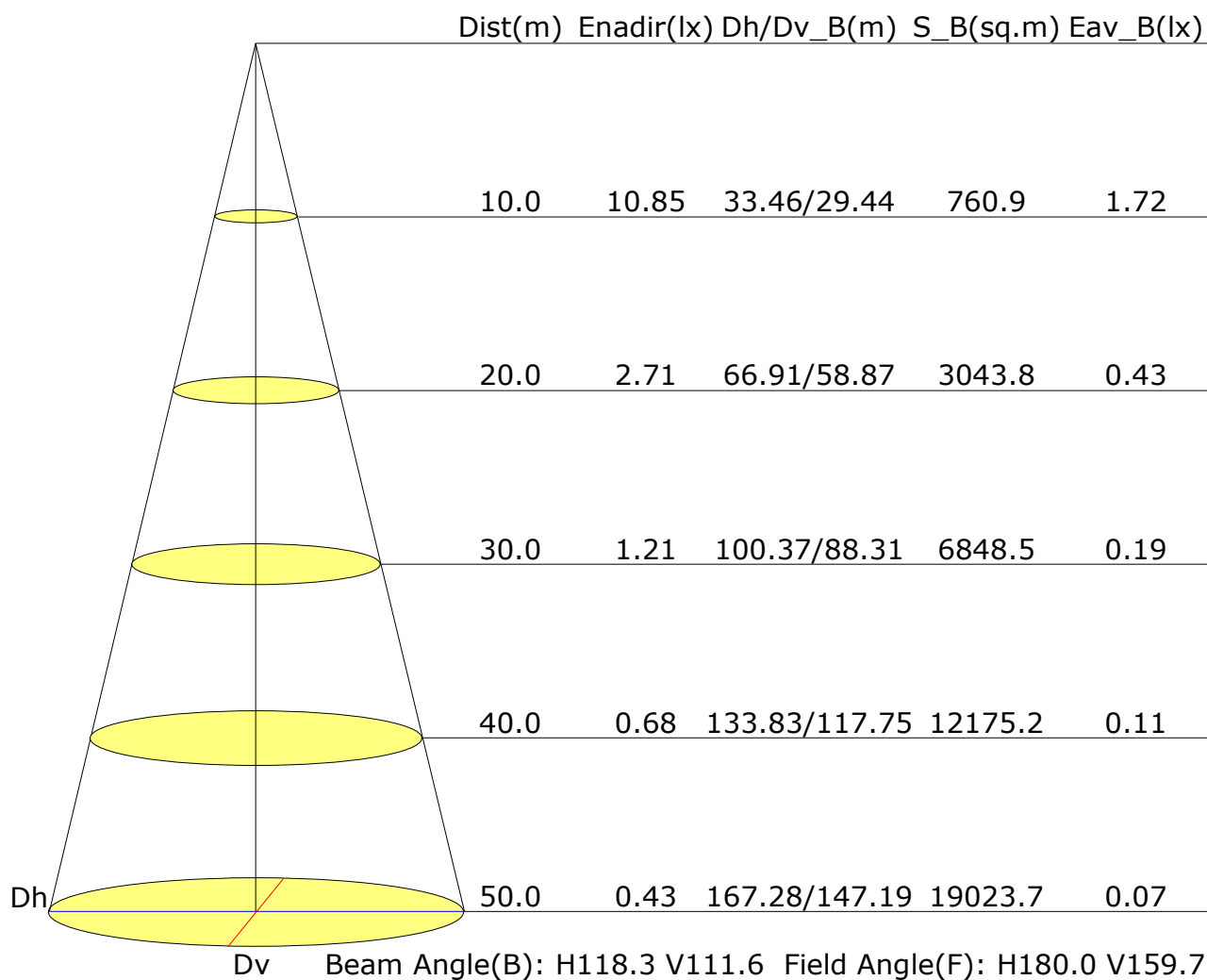


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	751	681	610	539	470	404	340	281	227
C90	730	655	574	489	399	307	212	123	45
C180	728	660	591	523	455	390	328	270	216
C270	694	618	535	449	359	265	173	88	22

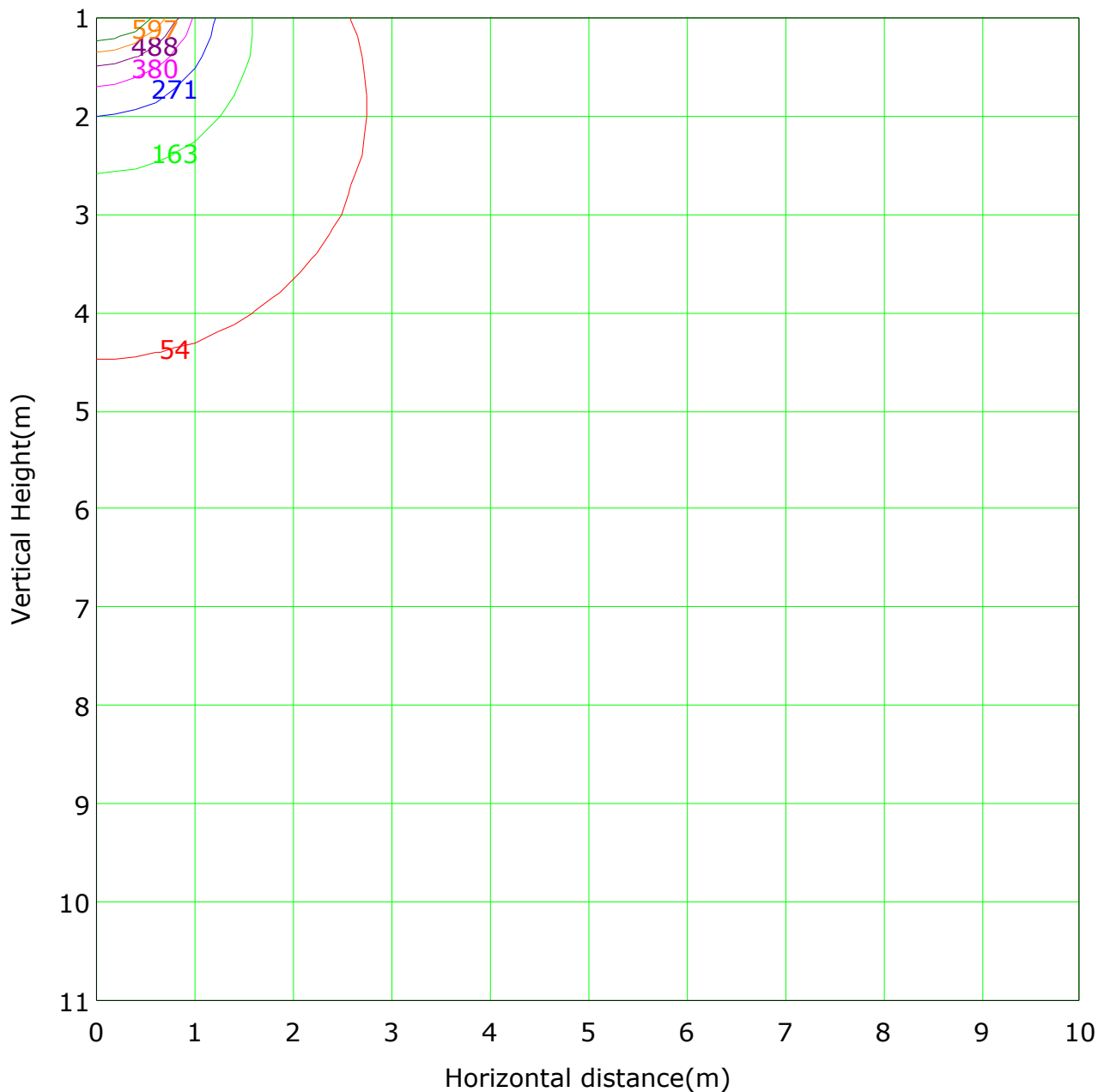
C Plane (°):0.0-360.0: 45.0
Test Lab: Trontop
Test Type: TYPE C
Temperature:
Operator:

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



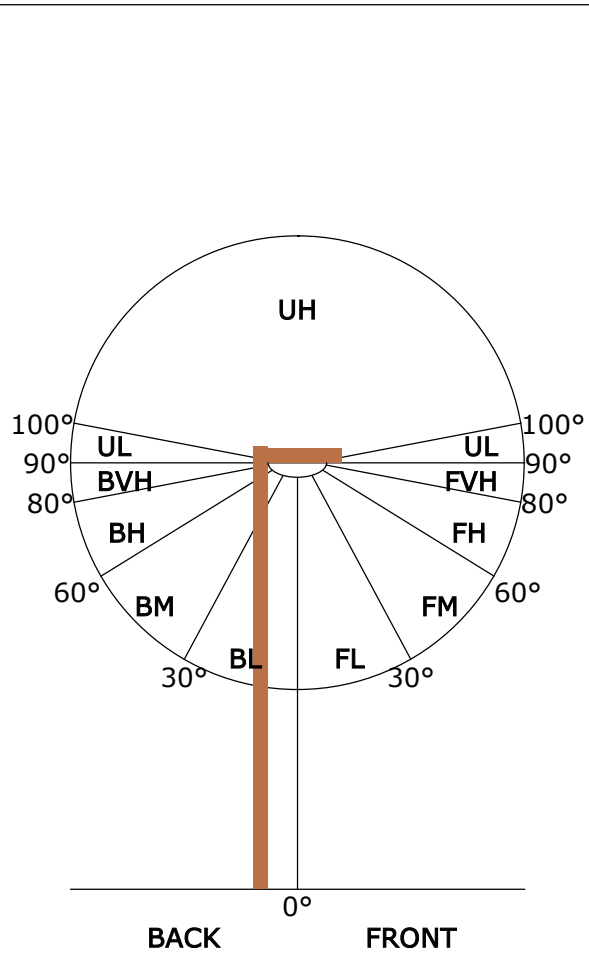
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1085.0 lx

(5%): 54.2 lx	(15%): 162.7 lx
(25%): 271.2 lx	(35%): 379.7 lx
(45%): 488.2 lx	(55%): 596.7 lx
(65%): 705.2 lx	

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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1679	50.8
	FL (0°-30°)	422	12.8
	FM (30°-60°)	816	24.7
	FH (60°-80°)	359	10.9
	FVH (80°-90°)	82	2.5
	BACK LIGHT	1624	49.2
	BL (0°-30°)	418	12.6
	BM (30°-60°)	793	24.0
	BH (60°-80°)	339	10.3
	BVH (80°-90°)	75	2.3
	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 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

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Temperature:
Operator:

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

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1082.4	1.0	1.0	0.03	0.03
1.0-2.0	1082.0	3.1	4.1	0.09	0.13
2.0-3.0	1081.2	5.2	9.3	0.16	0.28
3.0-4.0	1080.0	7.2	16.5	0.22	0.50
4.0-5.0	1078.5	9.3	25.8	0.28	0.78
5.0-6.0	1076.6	11.3	37.1	0.34	1.12
6.0-7.0	1074.2	13.3	50.5	0.40	1.53
7.0-8.0	1071.5	15.3	65.8	0.46	1.99
8.0-9.0	1068.3	17.3	83.1	0.52	2.52
9.0-10.0	1064.9	19.3	102.4	0.58	3.10
10.0-11.0	1061.0	21.2	123.6	0.64	3.74
11.0-12.0	1056.6	23.1	146.7	0.70	4.44
12.0-13.0	1052.2	25.0	171.7	0.76	5.20
13.0-14.0	1047.2	26.8	198.5	0.81	6.01
14.0-15.0	1041.8	28.6	227.1	0.87	6.87
15.0-16.0	1036.1	30.4	257.5	0.92	7.79
16.0-17.0	1029.9	32.1	289.5	0.97	8.77
17.0-18.0	1023.5	33.8	323.3	1.02	9.79
18.0-19.0	1016.6	35.4	358.7	1.07	10.86
19.0-20.0	1009.4	37.0	395.6	1.12	11.98
20.0-21.0	1002.1	38.5	434.1	1.17	13.14
21.0-22.0	994.2	40.0	474.0	1.21	14.35
22.0-23.0	986.0	41.4	515.4	1.25	15.60
23.0-24.0	977.5	42.7	558.2	1.29	16.90
24.0-25.0	968.6	44.0	602.2	1.33	18.23
25.0-26.0	959.7	45.3	647.5	1.37	19.60
26.0-27.0	950.1	46.5	694.0	1.41	21.01
27.0-28.0	940.1	47.6	741.6	1.44	22.45
28.0-29.0	930.2	48.7	790.3	1.47	23.93
29.0-30.0	919.8	49.7	840.0	1.50	25.43
30.0-31.0	909.1	50.6	890.5	1.53	26.96
31.0-32.0	897.9	51.4	942.0	1.56	28.52
32.0-33.0	886.5	52.2	994.2	1.58	30.10
33.0-34.0	875.4	53.0	1047.2	1.60	31.70
34.0-35.0	863.4	53.6	1100.8	1.62	33.33
35.0-36.0	851.2	54.2	1155.0	1.64	34.97

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 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	839.0	54.7	1209.8	1.66	36.62
37.0-38.0	826.3	55.2	1264.9	1.67	38.29
38.0-39.0	813.5	55.5	1320.5	1.68	39.98
39.0-40.0	800.3	55.8	1376.3	1.69	41.67
40.0-41.0	786.8	56.0	1432.3	1.70	43.36
41.0-42.0	773.7	56.2	1488.5	1.70	45.06
42.0-43.0	759.8	56.3	1544.8	1.70	46.77
43.0-44.0	745.9	56.3	1601.1	1.70	48.47
44.0-45.0	731.8	56.2	1657.4	1.70	50.18
45.0-46.0	717.3	56.1	1713.5	1.70	51.87
46.0-47.0	703.1	55.9	1769.4	1.69	53.57
47.0-48.0	688.2	55.6	1825.1	1.68	55.25
48.0-49.0	673.2	55.3	1880.3	1.67	56.93
49.0-50.0	658.7	54.9	1935.3	1.66	58.59
50.0-51.0	643.5	54.4	1989.7	1.65	60.24
51.0-52.0	628.1	53.9	2043.6	1.63	61.87
52.0-53.0	613.1	53.3	2097.0	1.61	63.48
53.0-54.0	597.4	52.7	2149.6	1.59	65.08
54.0-55.0	582.1	52.0	2201.6	1.57	66.65
55.0-56.0	566.3	51.2	2252.8	1.55	68.20
56.0-57.0	550.5	50.3	2303.1	1.52	69.72
57.0-58.0	535.3	49.5	2352.6	1.50	71.22
58.0-59.0	519.5	48.6	2401.2	1.47	72.69
59.0-60.0	503.8	47.6	2448.8	1.44	74.14
60.0-61.0	488.1	46.6	2495.4	1.41	75.55
61.0-62.0	472.2	45.5	2540.9	1.38	76.92
62.0-63.0	456.9	44.4	2585.4	1.35	78.27
63.0-64.0	441.2	43.3	2628.7	1.31	79.58
64.0-65.0	425.6	42.1	2670.8	1.28	80.86
65.0-66.0	410.4	41.0	2711.7	1.24	82.10
66.0-67.0	394.8	39.7	2751.4	1.20	83.30
67.0-68.0	379.4	38.4	2789.9	1.16	84.46
68.0-69.0	364.1	37.2	2827.0	1.12	85.59
69.0-70.0	348.8	35.8	2862.9	1.08	86.67
70.0-71.0	334.0	34.5	2897.4	1.05	87.72
71.0-72.0	319.0	33.2	2930.6	1.00	88.72

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 Operator:

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 Test Device: GPM-1600L
 Distance: 7.400 m
 Humidity:
 Inspector:

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