

Report No.:

Test Time: 2021-04-20 16:24

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A30343

Lamp Description: 2835

Current: 0.227 A

Power Factor: 0.918

Lamp Catalog: LED

Voltage: 120.0 V

Power: 25.05 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2178.3 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.7, 162.9, 162.8, 162.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.0, 111.5, 111.7, 111.7

Luminaire Efficacy Rating (LER): 87.01

Max. Intensity: 764.67 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 2178.3 lm

Efficiency: 100%

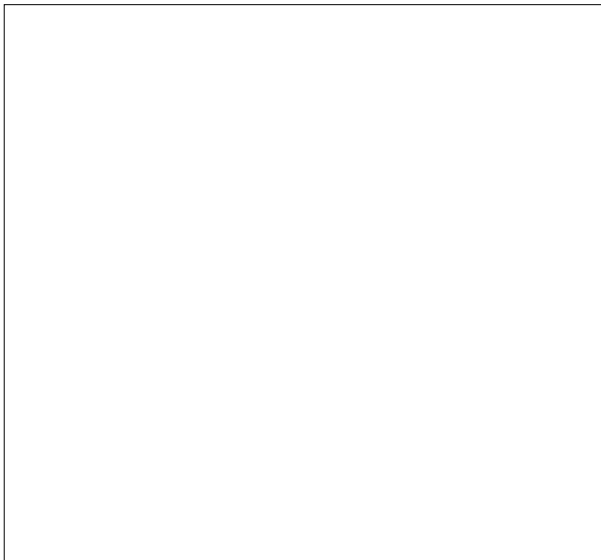
Upward Ratio: 0%

Central Intensity: 763.64 cd

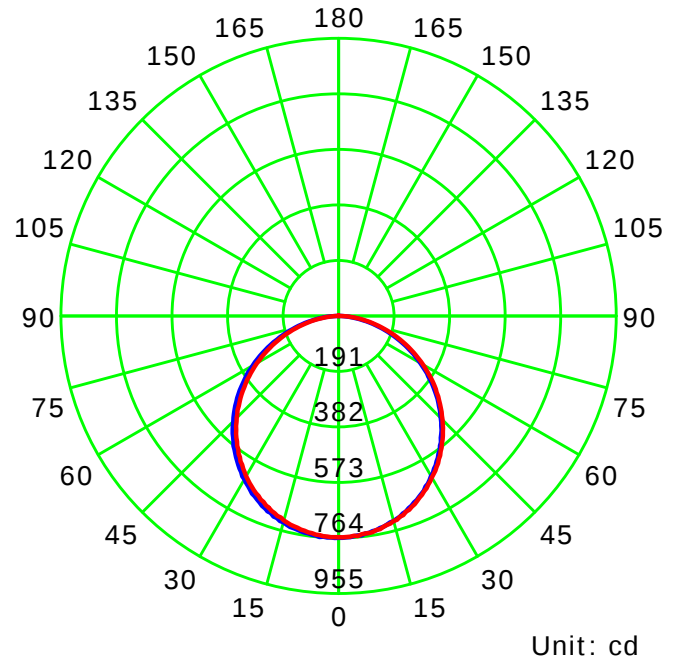
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

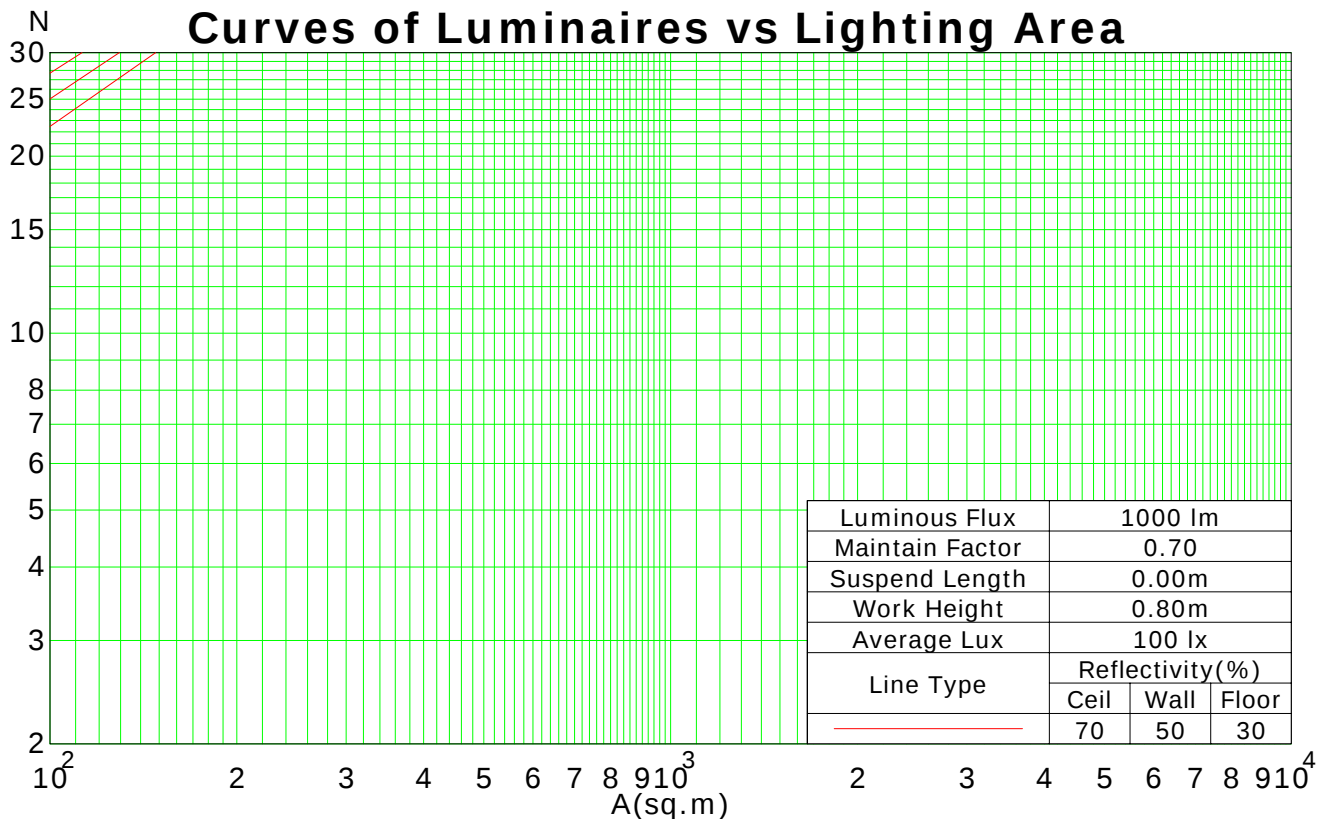
Coefficients Of Utilization - Zonal Cavity Method

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	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	54	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.37



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Gamma Plane (°):0.0-180.0:1.0

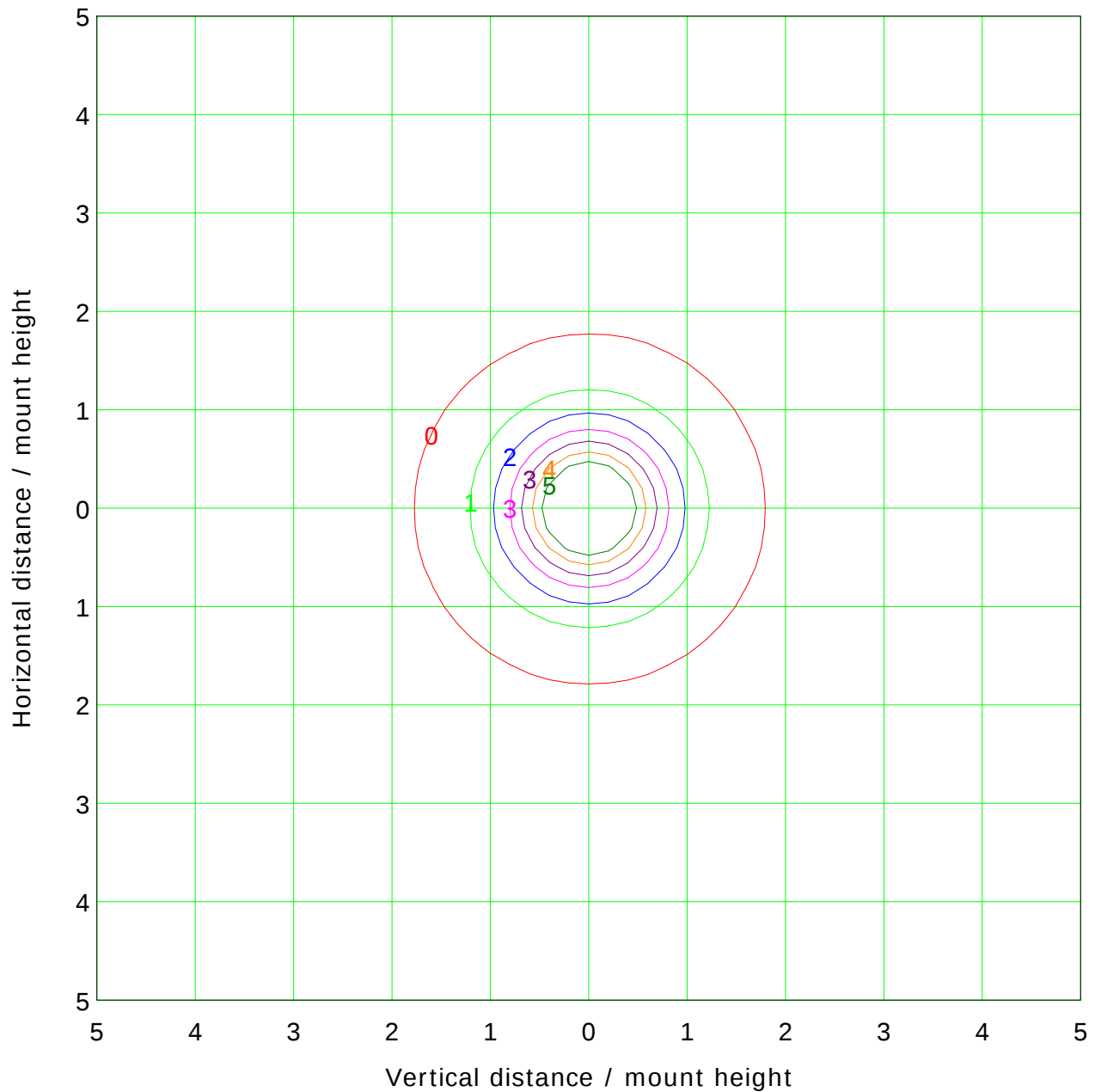
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 7.6 lx	
— (5%):	0.4 lx	— (15%):	1.1 lx
— (25%):	1.9 lx	— (35%):	2.7 lx
— (45%):	3.4 lx	— (55%):	4.2 lx
— (65%):	5.0 lx		

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Temperature:

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Test Device: GPM-1600L

Distance: 7.344 m

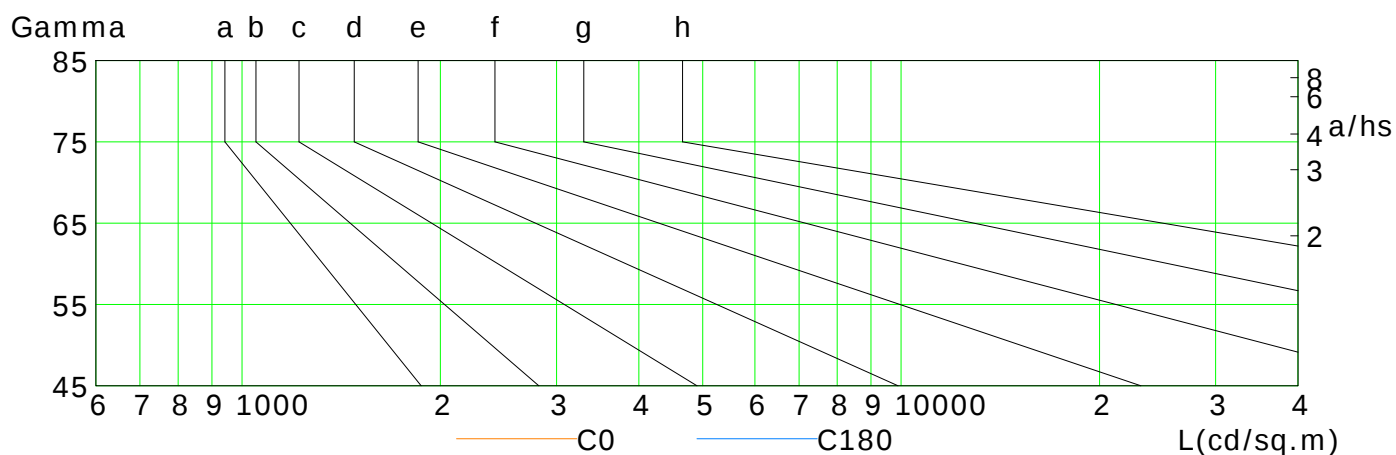
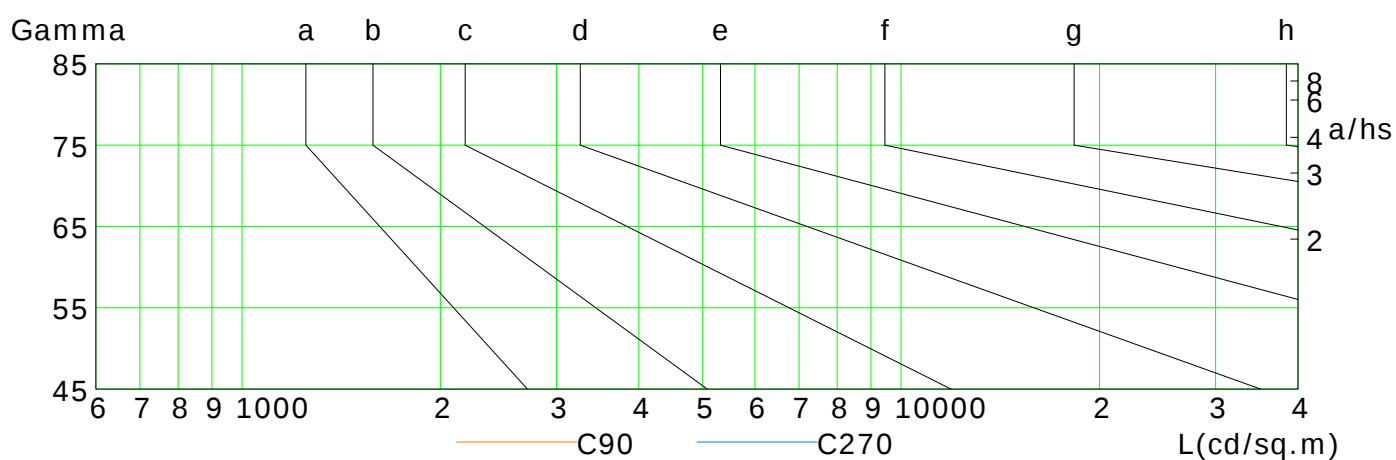
Humidity:

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	497	445	386	326	264	203	142	86	35
C90	506	451	396	336	275	214	154	97	45
C180	513	460	402	341	280	217	154	96	44
C270	497	442	385	325	262	201	142	85	35

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Test Lab:

Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

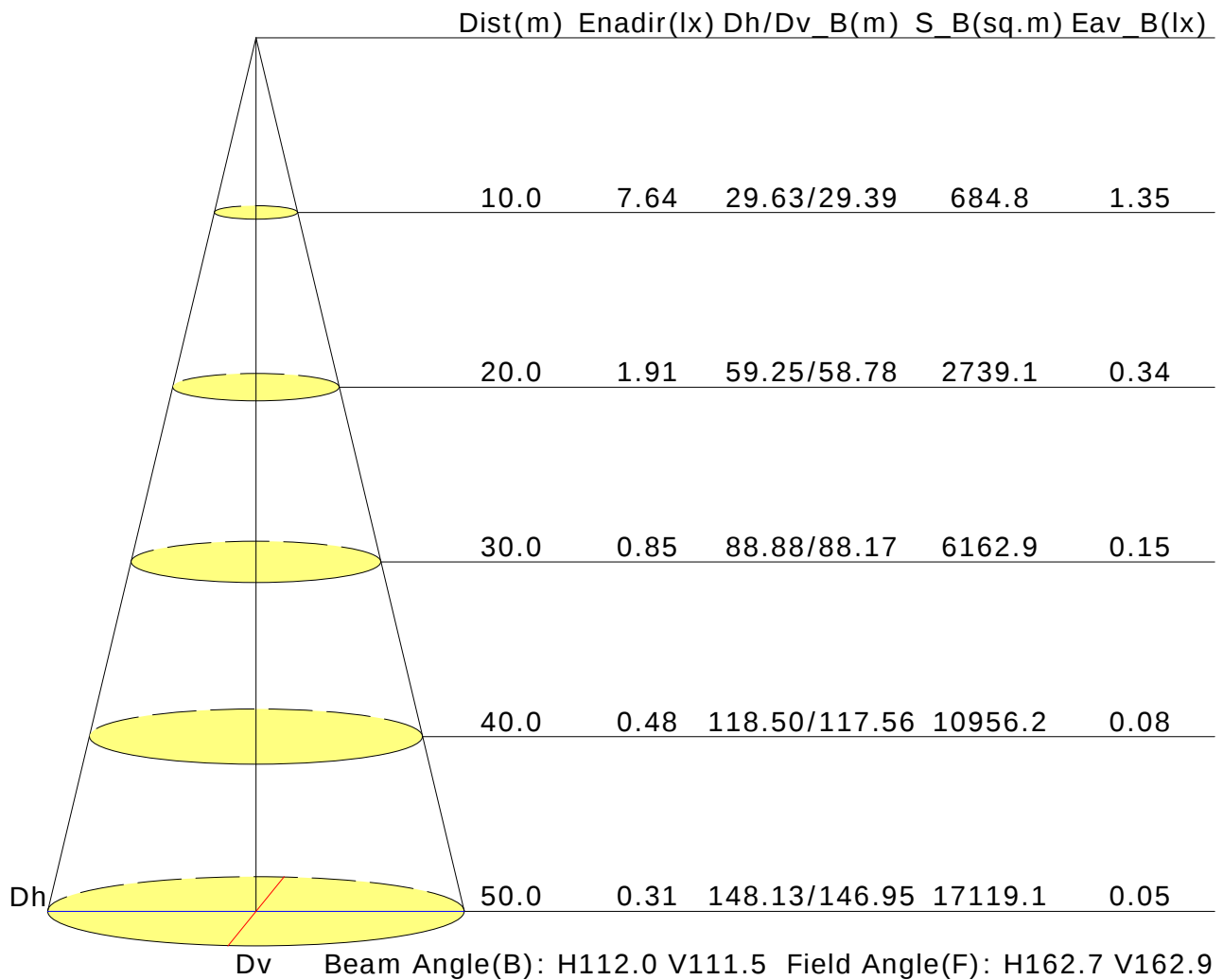
Test Device: GPM-1600L

Distance: 7.344 m

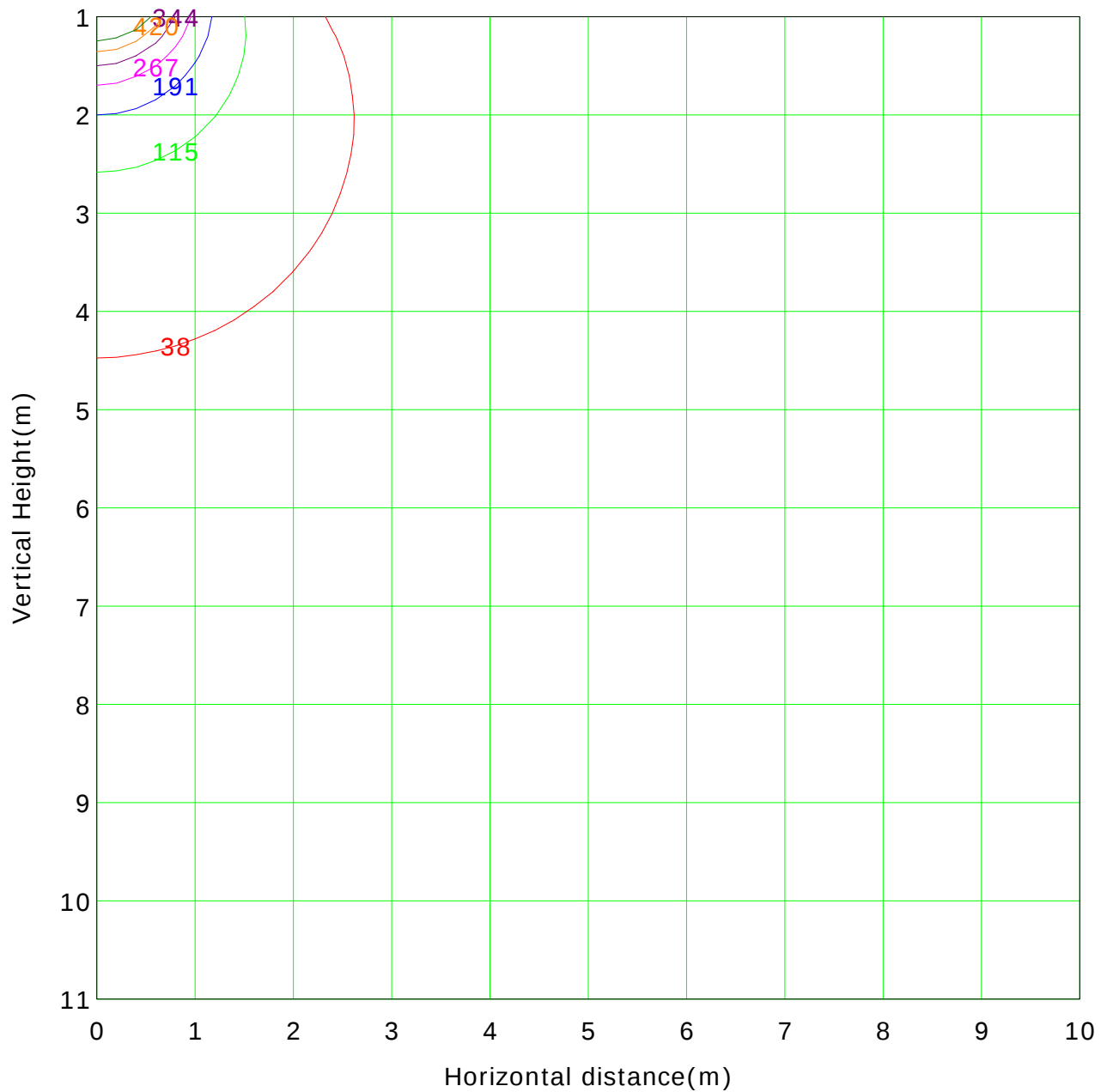
Humidity:

Inspector:

Illuminance at a Distance

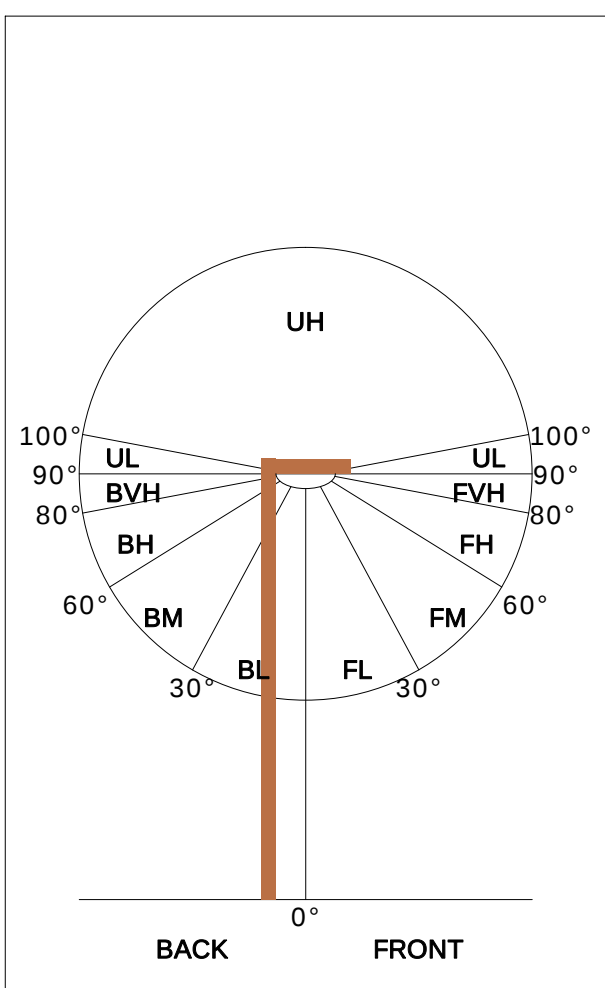


Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 763.6 lx
 (5%): 38.2 lx (15%): 114.5 lx
 (25%): 190.9 lx (35%): 267.3 lx
 (45%): 343.6 lx (55%): 420.0 lx
 (65%): 496.4 lx

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1095	50.3
	FL (0°-30°)	296	13.6
	FM (30°-60°)	560	25.7
	FH (60°-80°)	215	9.9
	FVH (80°-90°)	24	1.1
	BACK LIGHT	1080	49.6
	BL (0°-30°)	295	13.5
	BM (30°-60°)	554	25.5
	BH (60°-80°)	209	9.6
	BVH (80°-90°)	21	1.0
	UP LIGHT	3	0.2
	UL (90°-100°)	0	0.0
	UH (100°-180°)	3	0.2
	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

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