

Report No.:

Test Time: 2021-04-20 16:10

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A30341

Lamp Description: 2835

Current: 0.223 A

Power Factor: 0.919

Lamp Catalog: LED

Voltage: 120.0 V

Power: 24.63 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2161.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.2, 163.1, 163.2, 163.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.8, 111.7, 111.7, 111.8

Luminaire Efficacy Rating (LER): 87.81

Max. Intensity: 758.87 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 2161.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 756.47 cd

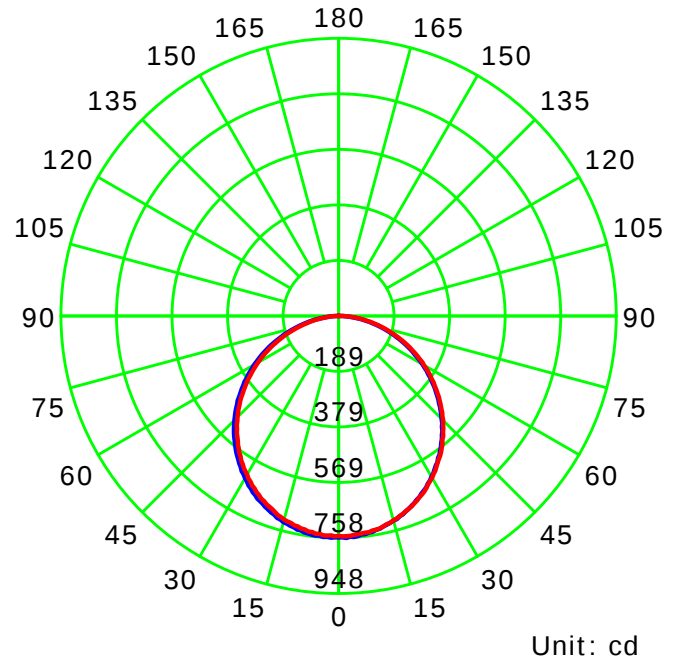
Pos of Max. Intensity: H0 V2

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:

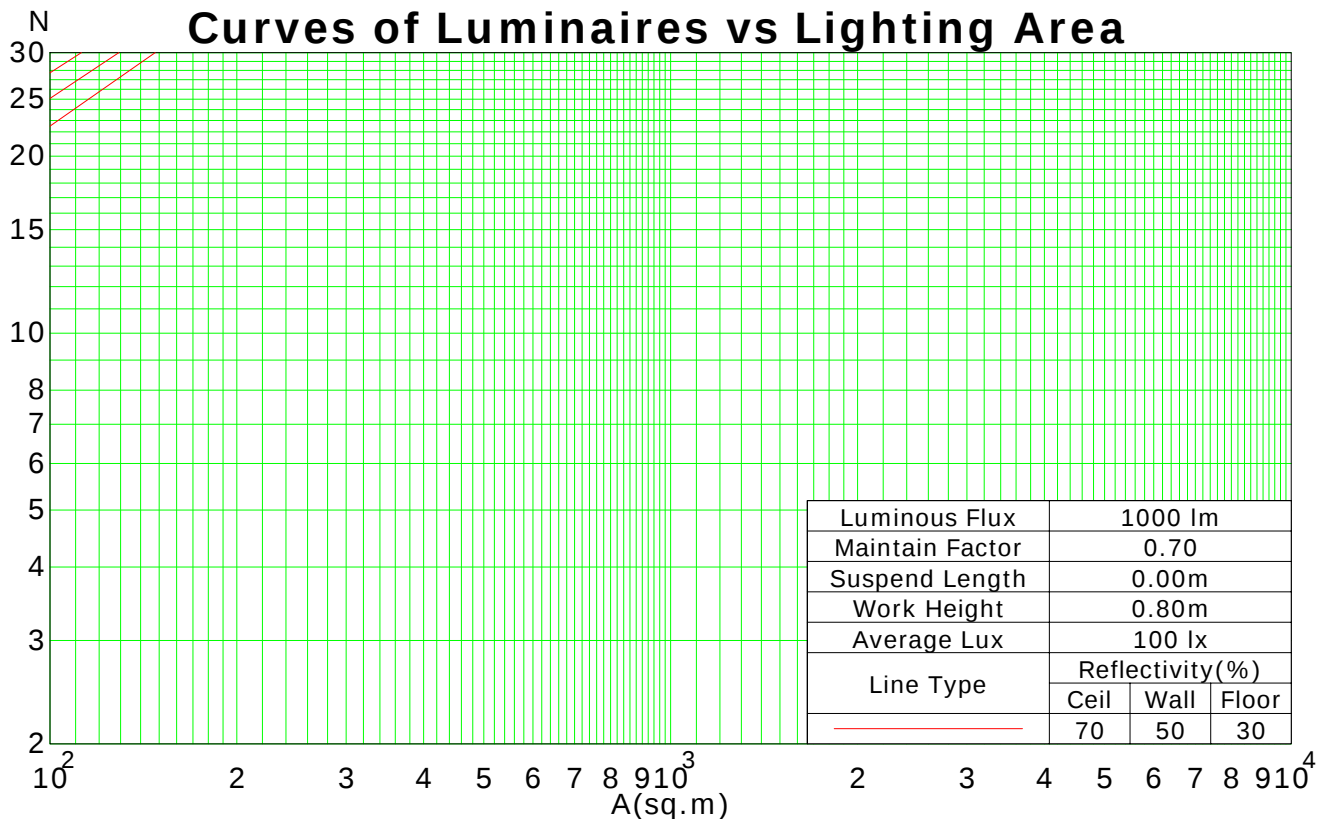
Coefficients Of Utilization - Zonal Cavity Method

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	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	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	44	37	32	43	36	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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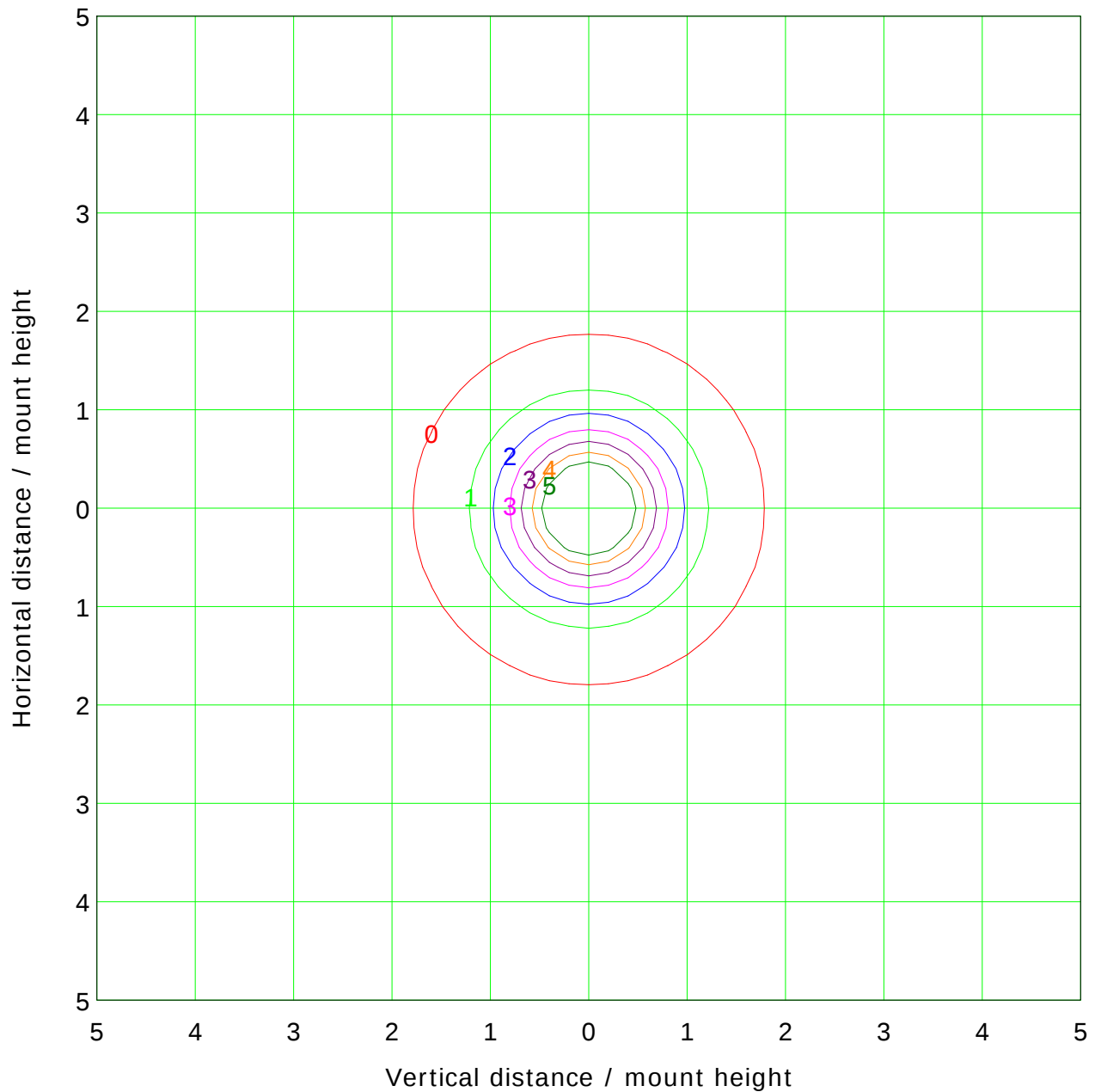
Test Device: GPM-1600L

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%):	4.9 lx		

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Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

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Test Device: GPM-1600L

Distance: 7.344 m

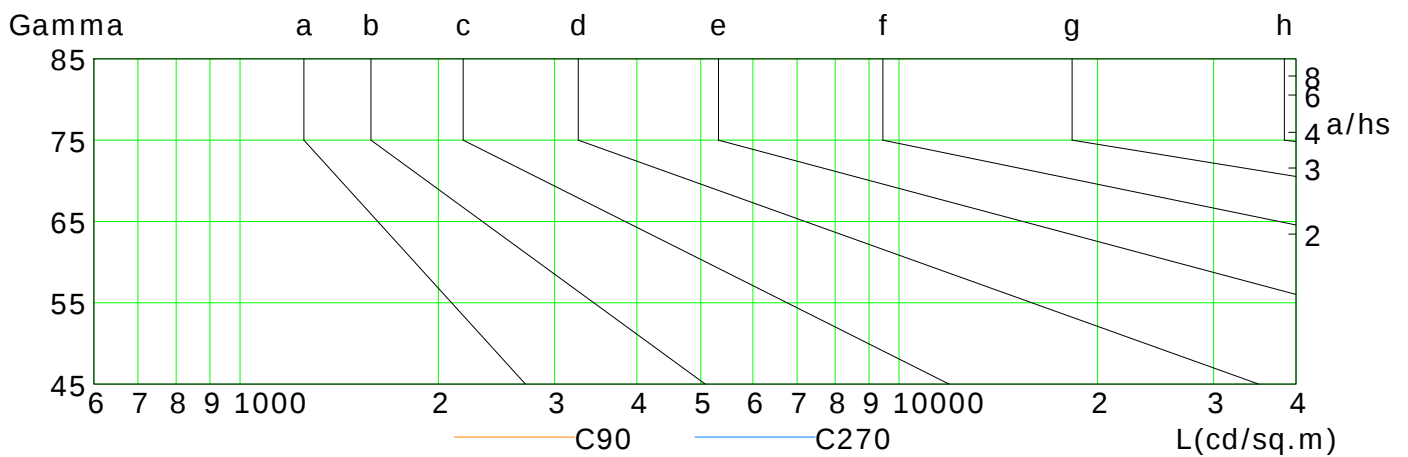
Humidity:

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	498	445	388	331	271	210	151	95	42
C90	505	451	396	337	278	219	159	102	50
C180	504	451	393	333	271	209	149	91	38
C270	489	436	377	319	258	196	137	82	31

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Test Lab:

Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

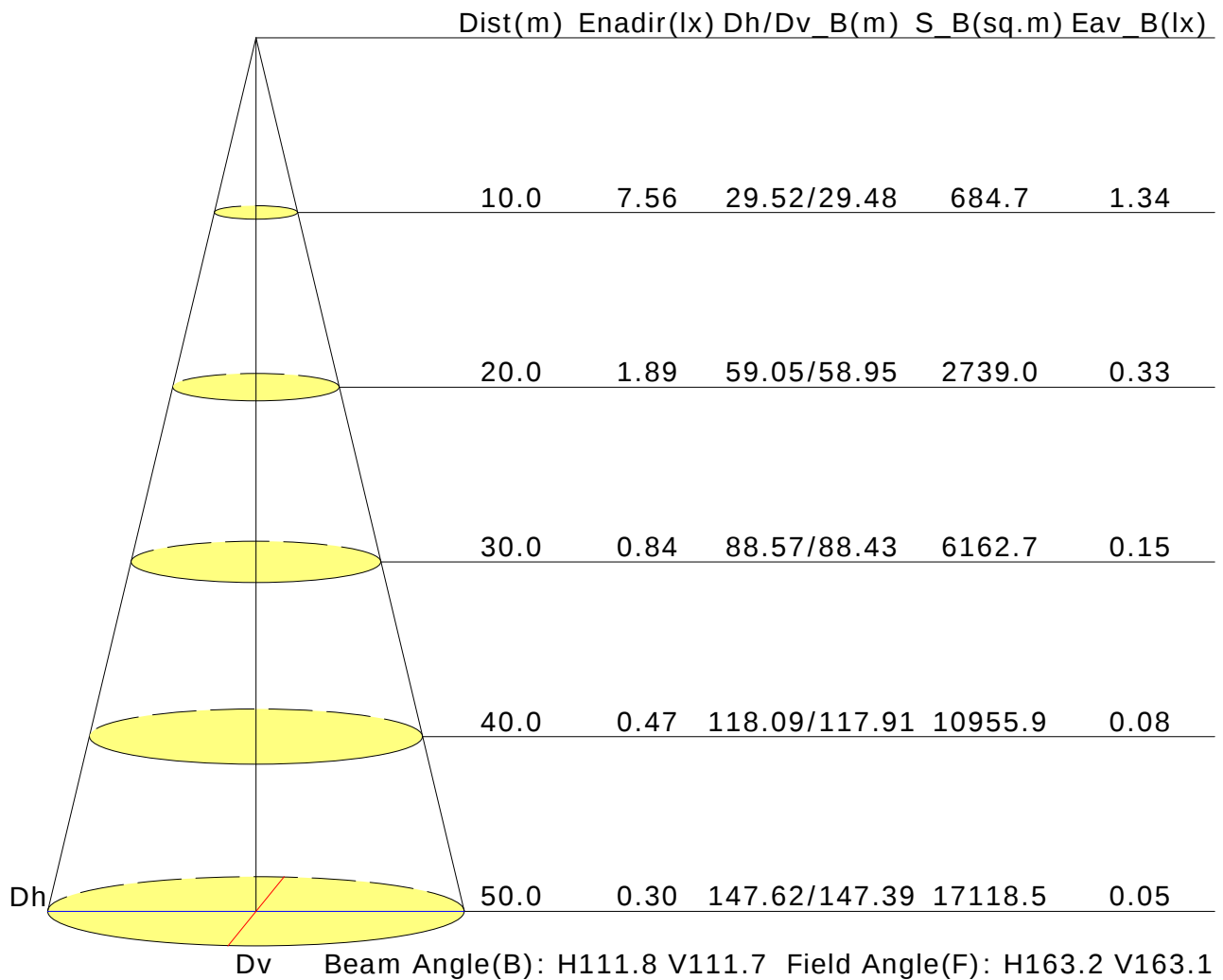
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

Illuminance at a Distance



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

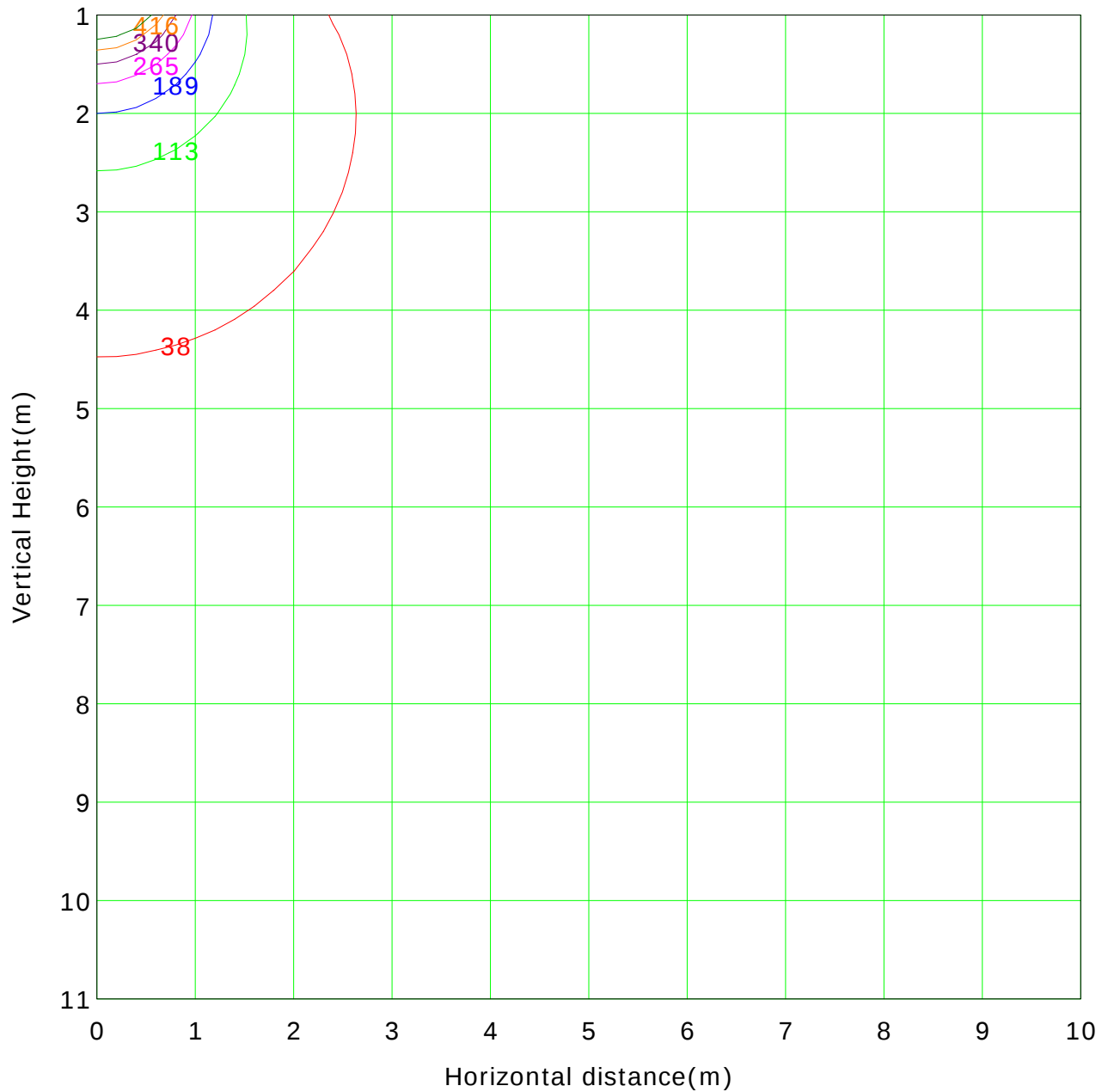
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 756.5 lx

(5%): 37.8 lx	(15%): 113.5 lx
(25%): 189.1 lx	(35%): 264.8 lx
(45%): 340.4 lx	(55%): 416.1 lx
(65%): 491.7 lx	

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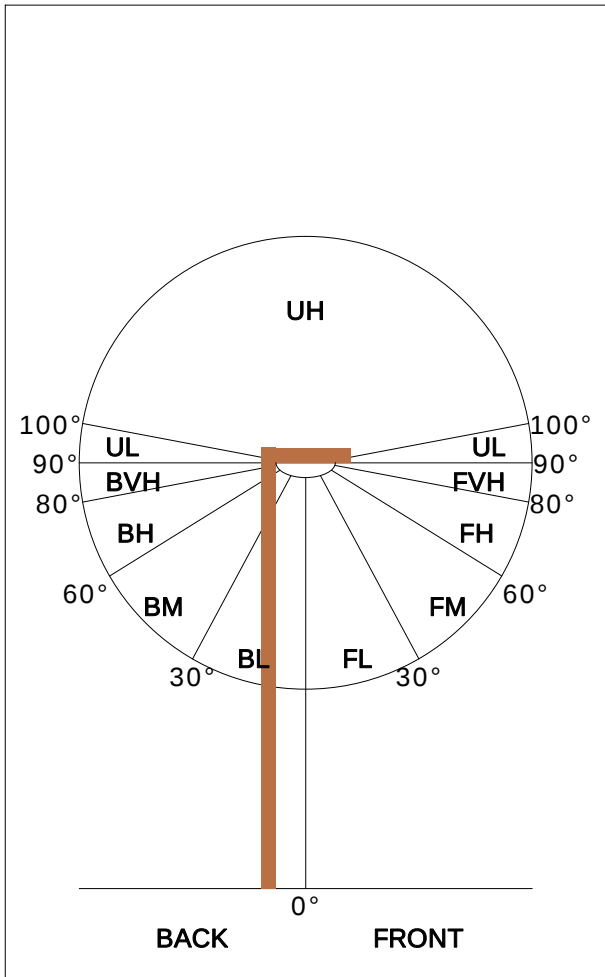
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1092	50.5
	FL (0°-30°)	293	13.6
	FM (30°-60°)	556	25.7
	FH (60°-80°)	218	10.1
	FVH (80°-90°)	25	1.2
	BACK LIGHT	1066	49.3
	BL (0°-30°)	292	13.5
	BM (30°-60°)	547	25.3
	BH (60°-80°)	207	9.6
	BVH (80°-90°)	21	1.0
	UP LIGHT	3	0.1
	UL (90°-100°)	0	0.0
	UH (100°-180°)	3	0.1
	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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