

Report No.:

Test Time: 2021-04-20 15:14

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A30321

Lamp Description: 2835

Current: 0.112 A

Power Factor: 0.949

Lamp Catalog: LED

Voltage: 120.0 V

Power: 12.78 W

Photometric Results

CIE Class: Direct

Measurement Flux: 929 lm

Downward Ratio: 100%

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

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.9, 112.4, 112.2, 112.2

Luminaire Efficacy Rating (LER): 72.74

Max. Intensity: 326.2 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 929.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 325.54 cd

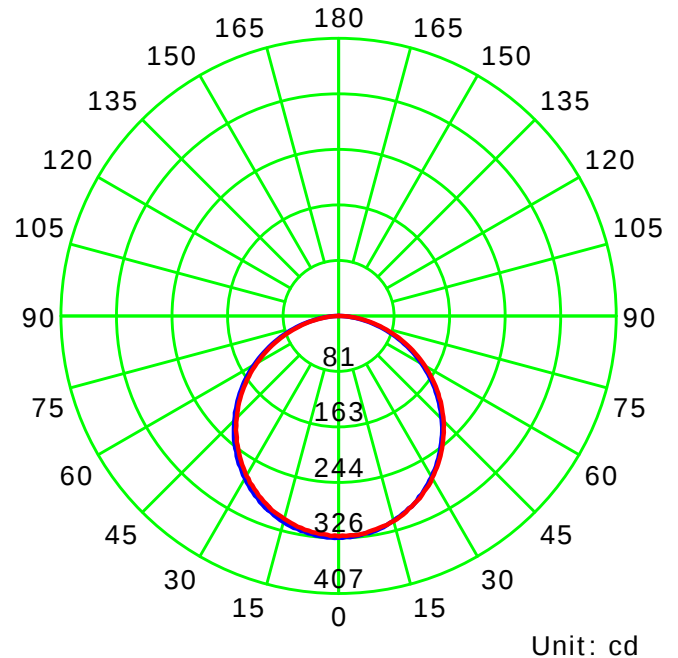
Pos of Max. Intensity: H180 V1

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:

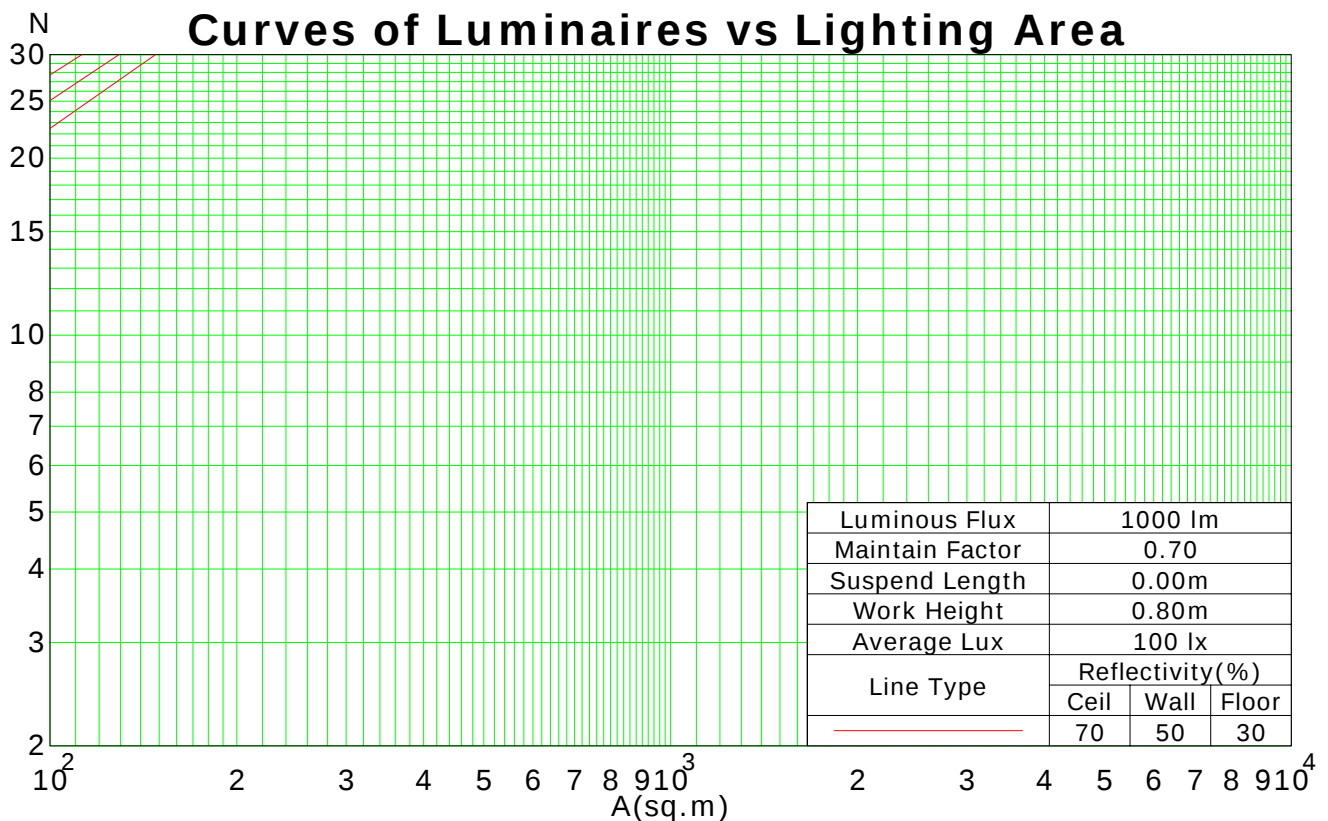
Coefficients Of Utilization - Zonal Cavity Method

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	91	88	90	88	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	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	54	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	45	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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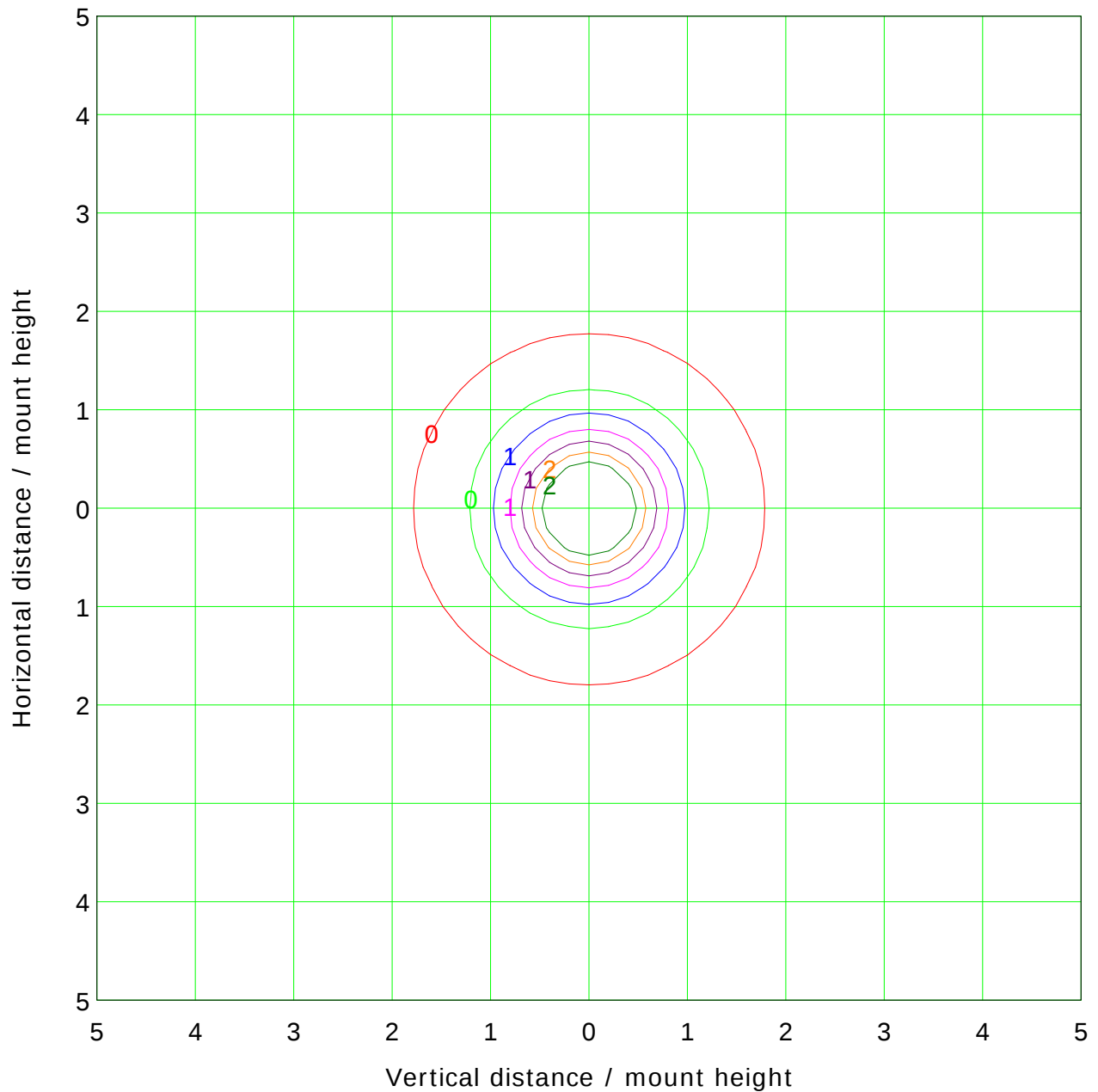
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 3.3 lx	
— (5%):	0.2 lx	— (15%):	0.5 lx
— (25%):	0.8 lx	— (35%):	1.1 lx
— (45%):	1.5 lx	— (55%):	1.8 lx
— (65%):	2.1 lx		

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Test Device: GPM-1600L

Distance: 7.344 m

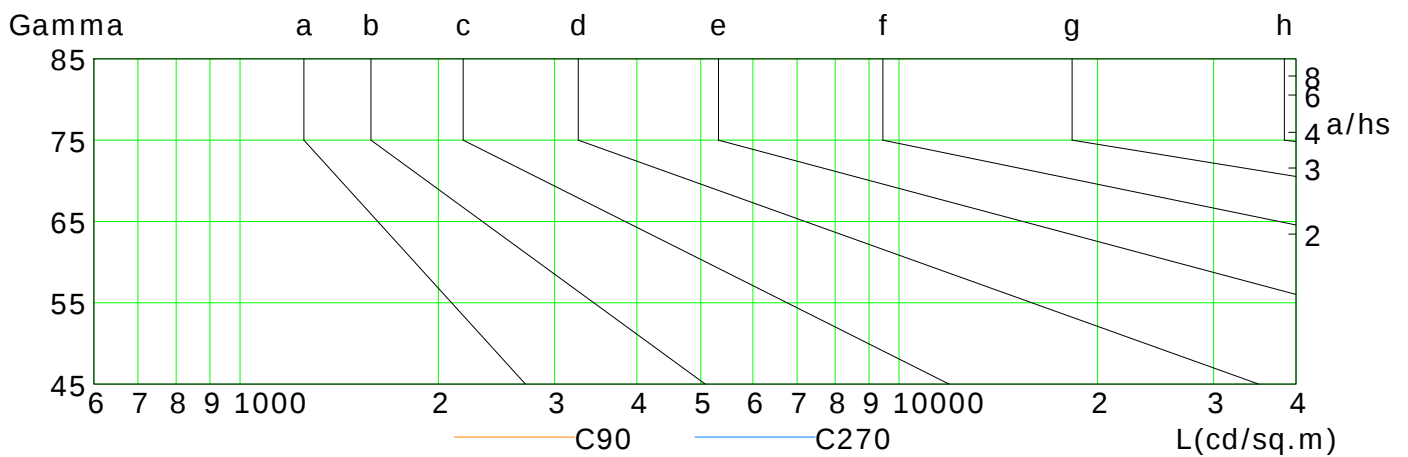
Humidity:

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	214	191	167	141	115	89	63	39	16
C90	218	196	171	146	120	94	68	43	20
C180	217	194	170	144	117	91	64	39	16
C270	212	189	165	139	113	86	60	36	13

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Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

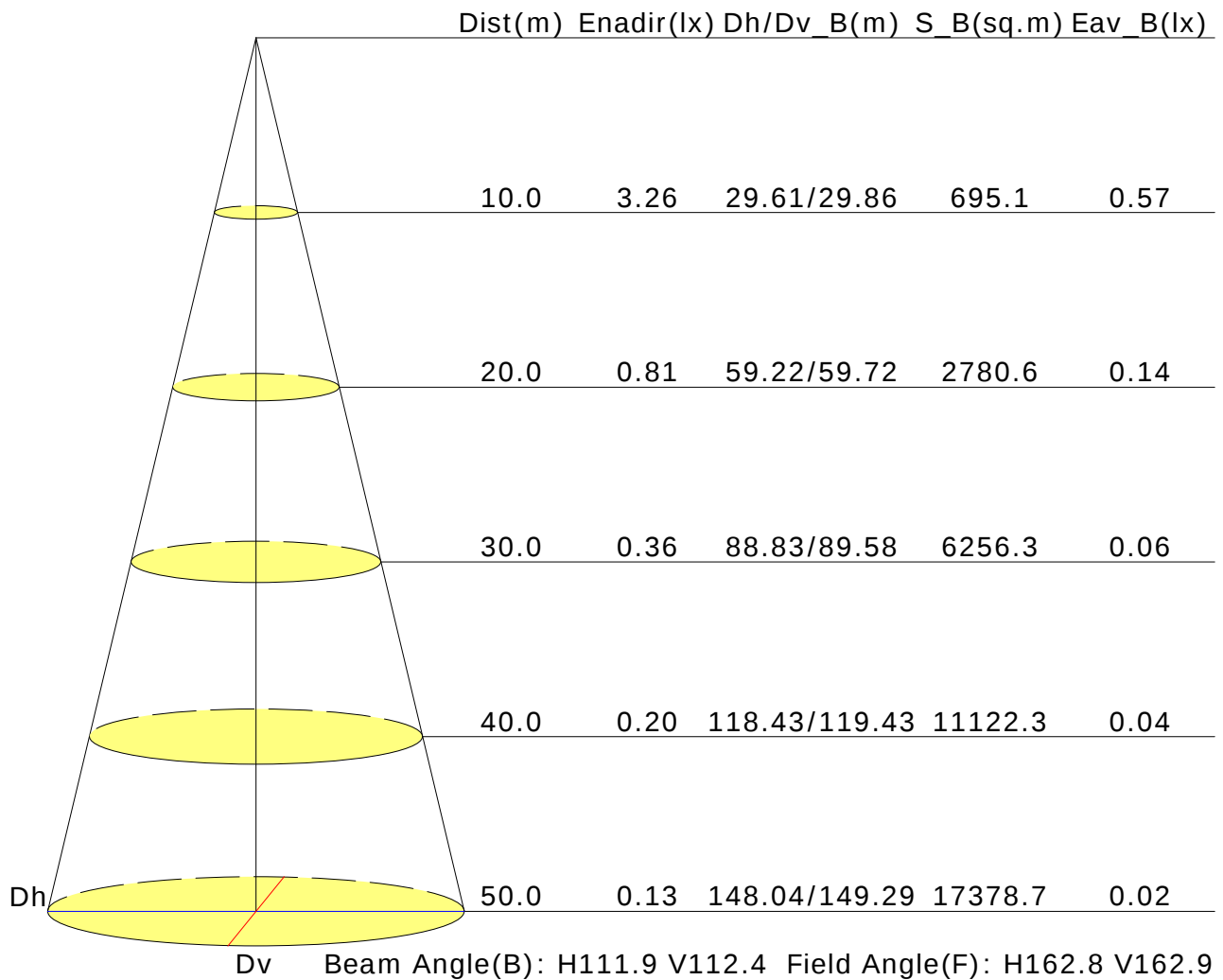
Test Device: GPM-1600L

Distance: 7.344 m

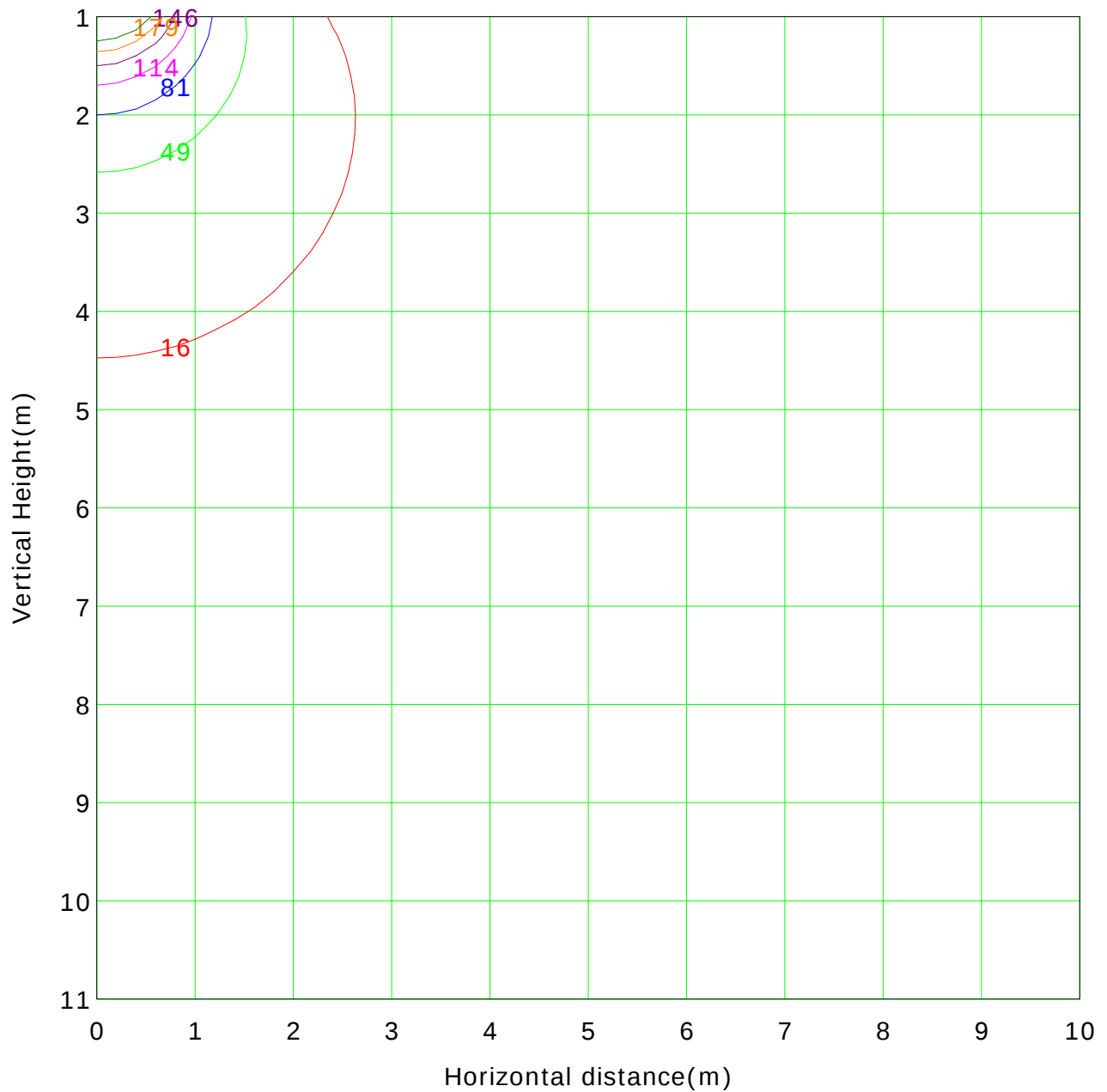
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



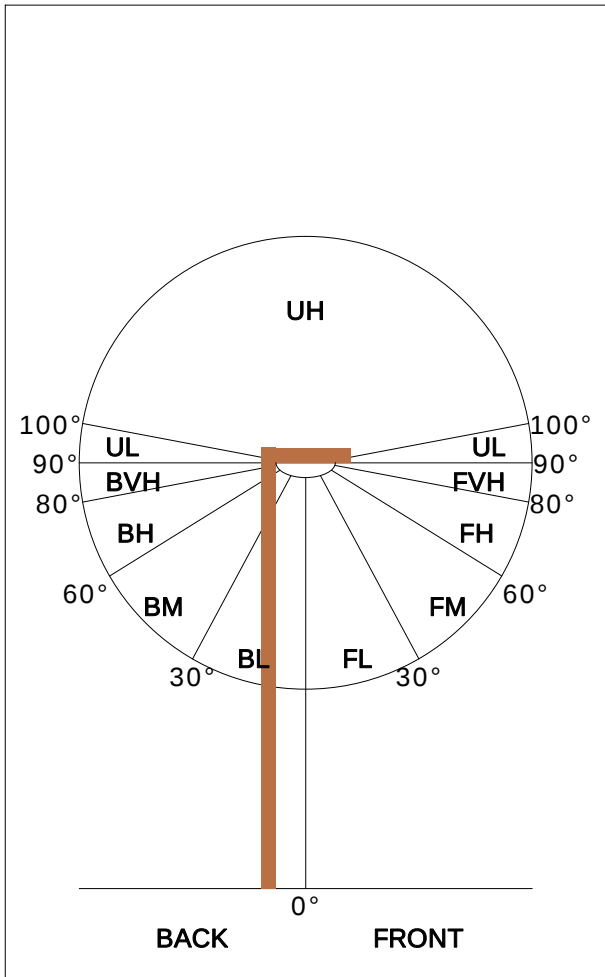
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 325.5 lx

(5%): 16.3 lx	(15%): 48.8 lx
(25%): 81.4 lx	(35%): 113.9 lx
(45%): 146.5 lx	(55%): 179.0 lx
(65%): 211.6 lx	

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Test Type: TYPE C
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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	469	50.5
	FL (0°-30°)	126	13.6
	FM (30°-60°)	240	25.8
	FH (60°-80°)	93	10.0
	FVH (80°-90°)	10	1.1
	BACK LIGHT	460	49.5
	BL (0°-30°)	125	13.5
	BM (30°-60°)	236	25.4
	BH (60°-80°)	89	9.6
	BVH (80°-90°)	9	0.9
	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

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