

Report No.:

Test Time: 2021-04-12 16:10

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17015-4000K

Lamp Description: 2835

Current: 0.151 A

Power Factor: 0.932

Lamp Catalog: LED

Voltage: 120.0 V

Power: 16.85 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1498.2 lm

Downward Ratio: 95%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.4, 164.4, 164.4, 164.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.6, 112.3, 112.4, 112.4

Luminaire Efficacy Rating (LER): 88.96

Max. Intensity: 493.39 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 1498.2 lm

Efficiency: 100%

Upward Ratio: 5%

Central Intensity: 492.99 cd

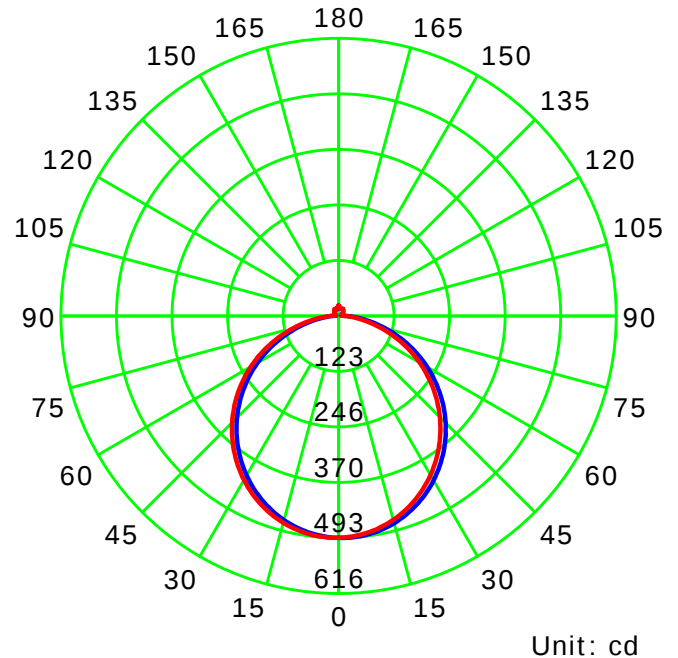
Pos of Max. Intensity: H0 V1

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:

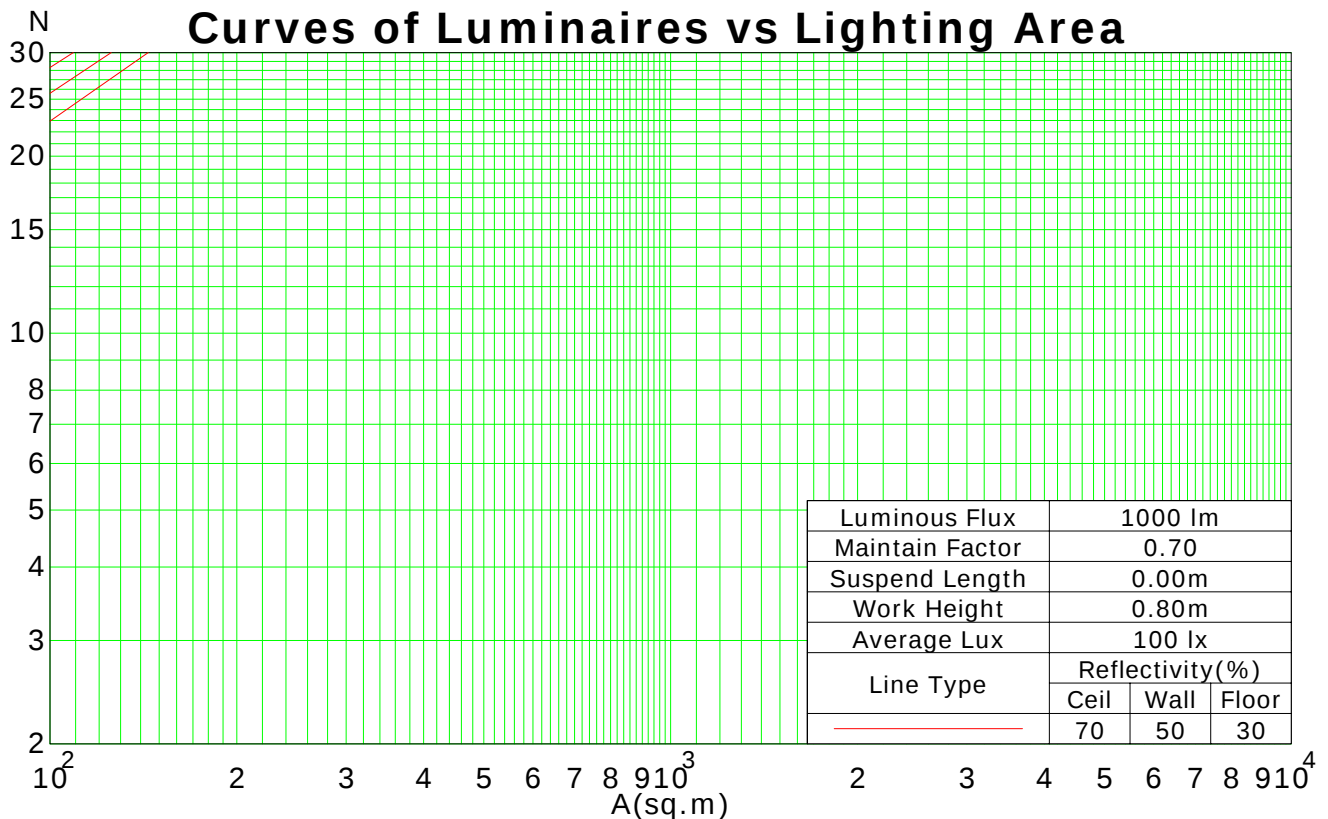
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	97	89	82	76	94	87	80	75	82	77	72	78	74	70	75	71	68	65
3	89	78	70	63	86	76	68	62	72	66	61	69	63	59	66	61	57	55
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	59	53	49	47
5	75	62	53	46	72	60	52	45	57	50	44	55	49	43	53	47	43	40
6	69	55	46	40	67	54	46	40	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	44	38	33	31
8	59	46	37	31	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	25	34	28	24	23

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.37



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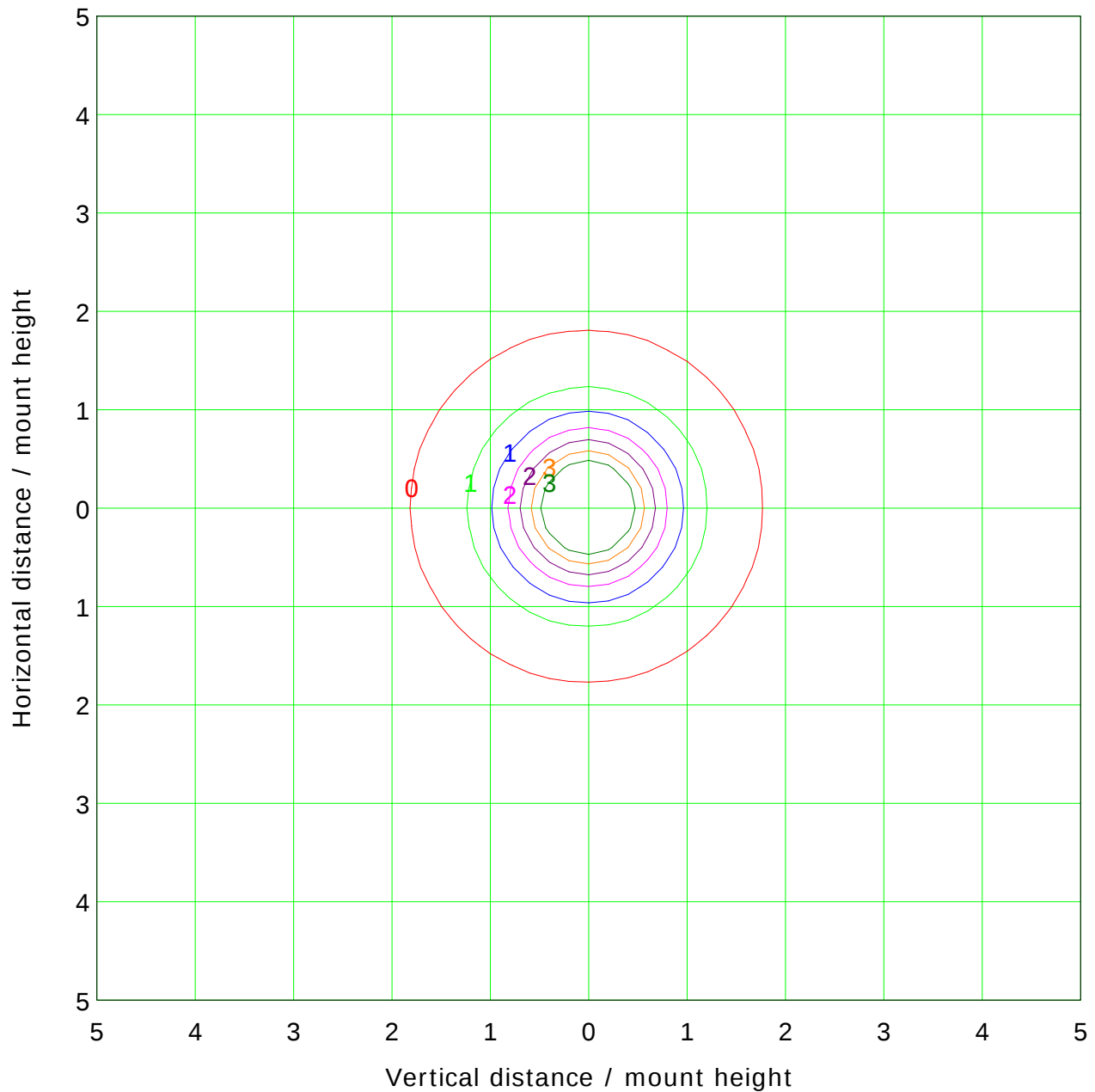
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 4.9 lx	
(5%):	0.2 lx	(15%):	0.7 lx
(25%):	1.2 lx	(35%):	1.7 lx
(45%):	2.2 lx	(55%):	2.7 lx
(65%):	3.2 lx		

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Temperature:

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Test Device: GPM-1600L

Distance: 7.344 m

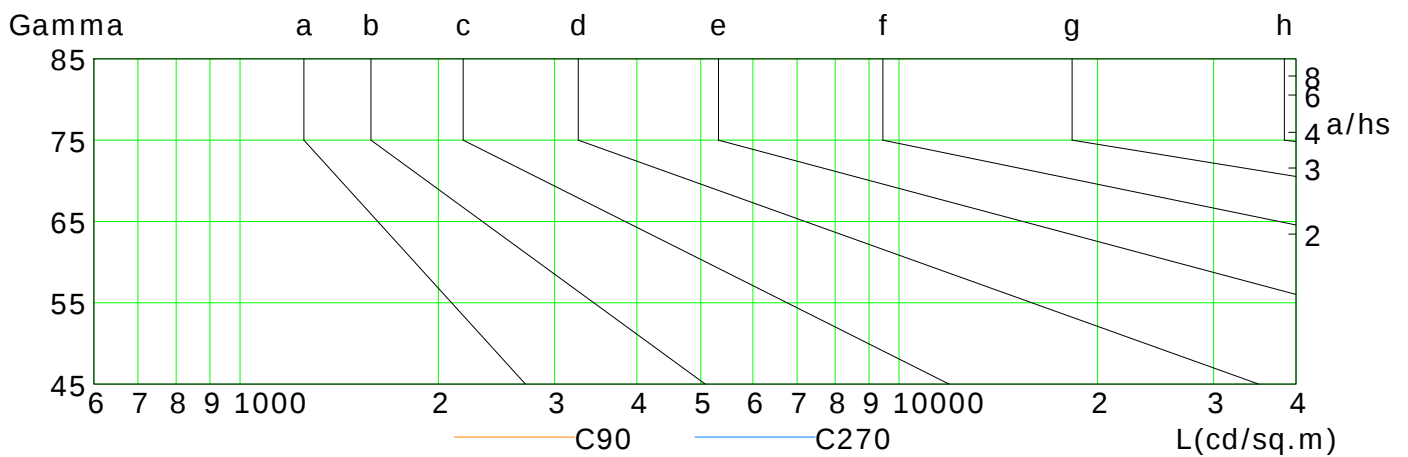
Humidity:

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	337	302	266	227	188	148	108	71	40
C90	318	283	246	208	169	129	91	58	32
C180	319	285	248	208	168	128	89	55	29
C270	335	301	264	225	185	144	104	68	38

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Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

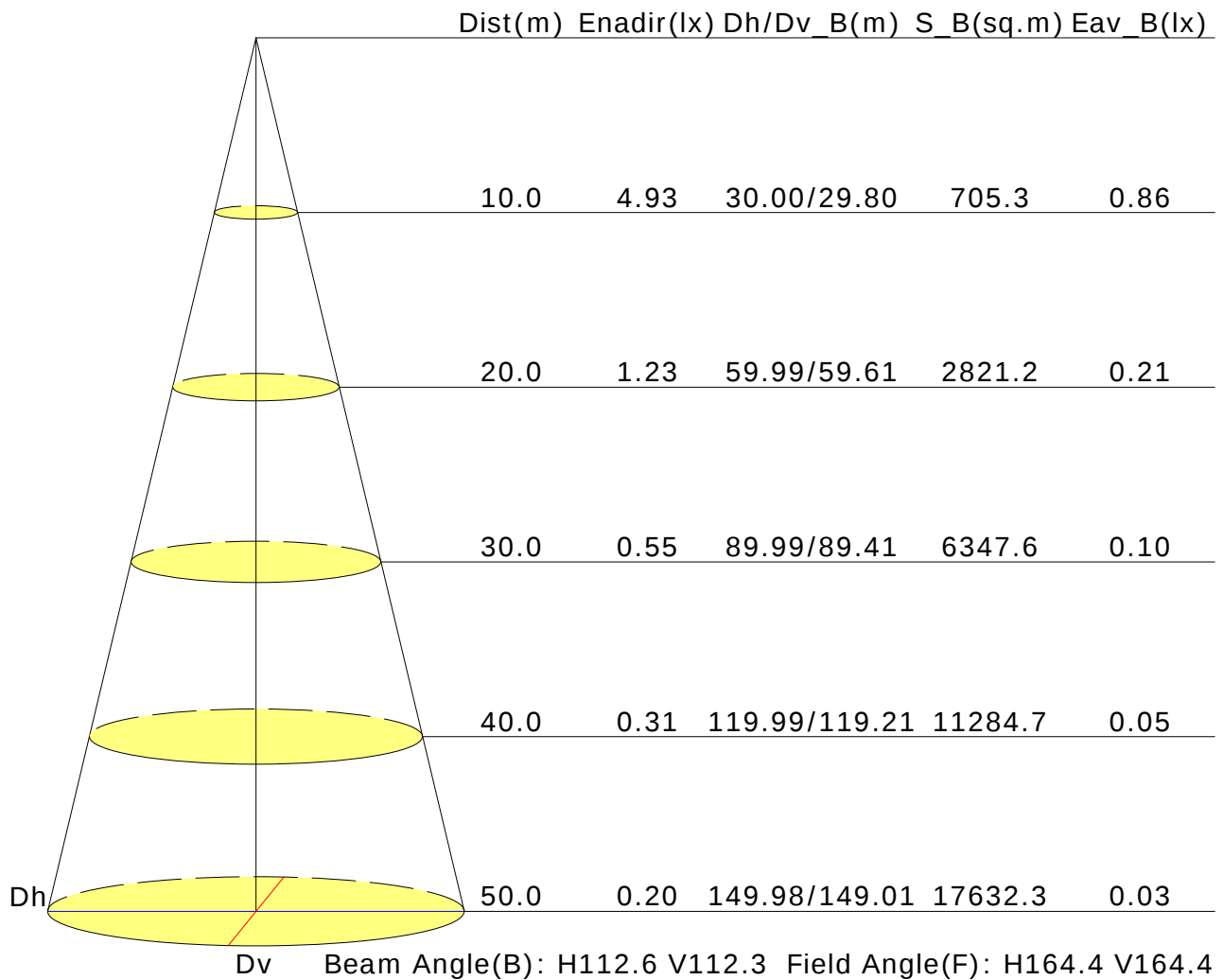
Test Device: GPM-1600L

Distance: 7.344 m

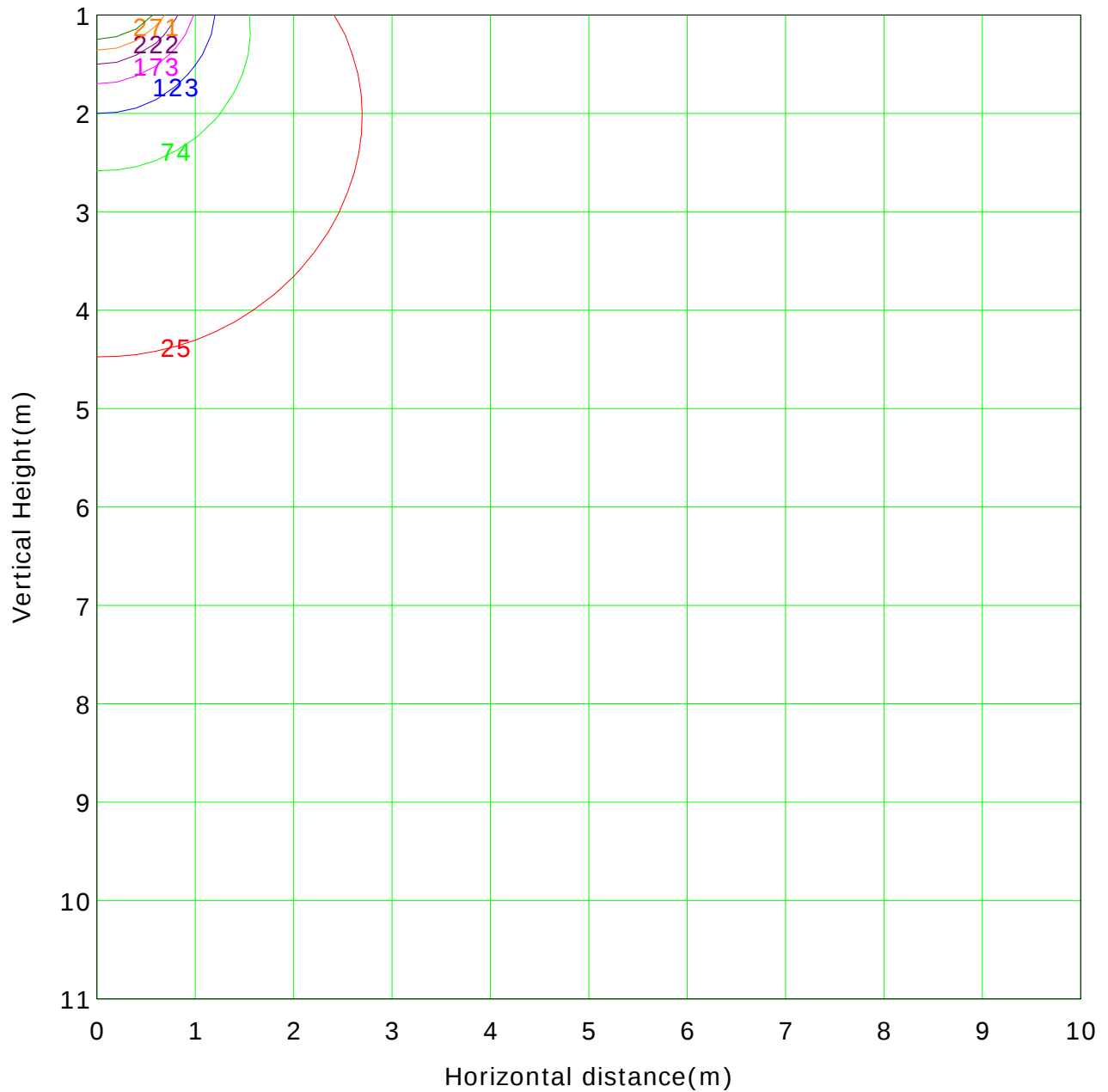
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

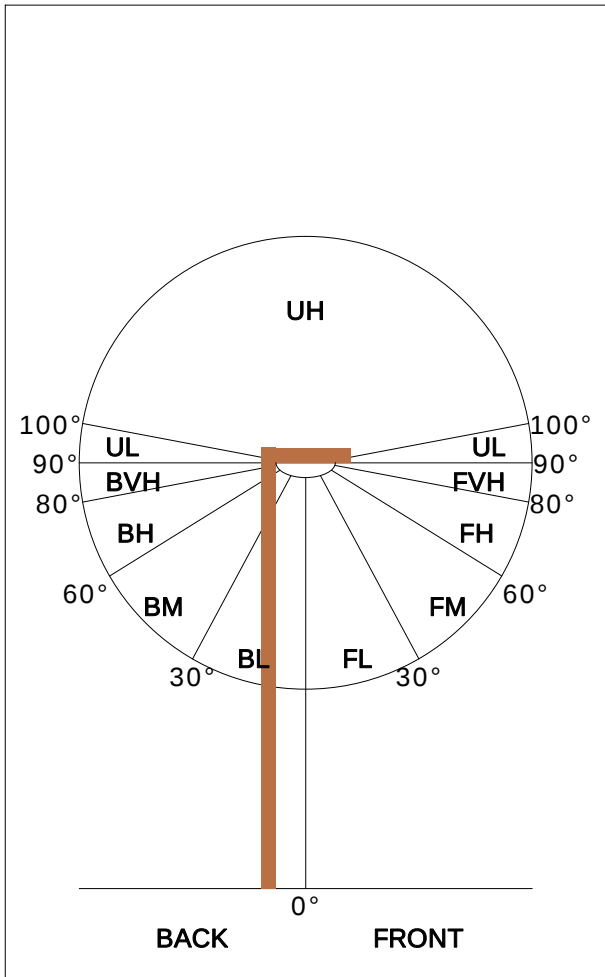


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 493.0 lx
(5%): 24.6 lx	(15%): 73.9 lx	
(25%): 123.2 lx	(35%): 172.5 lx	
(45%): 221.8 lx	(55%): 271.1 lx	
(65%): 320.4 lx		

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Test Type: TYPE C
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Operator: SUSHUNHUA

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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	702	46.9
	FL (0°-30°)	190	12.7
	FM (30°-60°)	357	23.8
	FH (60°-80°)	136	9.1
	FVH (80°-90°)	19	1.3
	BACK LIGHT	723	48.3
	BL (0°-30°)	192	12.8
	BM (30°-60°)	367	24.5
	BH (60°-80°)	144	9.6
	BVH (80°-90°)	21	1.4
	UP LIGHT	73	4.9
	UL (90°-100°)	10	0.7
	UH (100°-180°)	63	4.2
	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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