

Report No.:

Test Time: 2021-04-12 16:24

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17015-3000K

Lamp Description: 2835

Current: 0.157 A

Power Factor: 0.933

Lamp Catalog: LED

Voltage: 120.0 V

Power: 17.55 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1346.4 lm

Downward Ratio: 95%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.4, 164.7, 164.5, 164.5

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

Luminaire Efficacy Rating (LER): 76.77

Max. Intensity: 443.93 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 1346.4 lm

Efficiency: 100%

Upward Ratio: 5%

Central Intensity: 443.92 cd

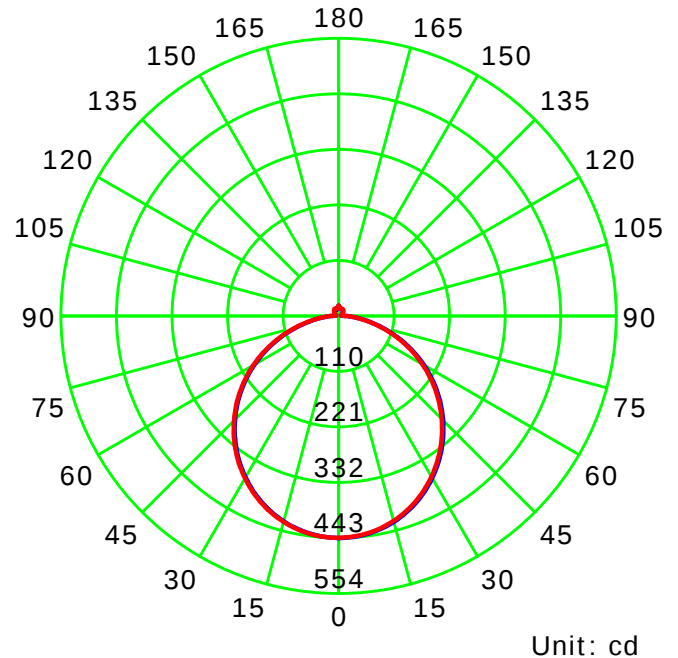
Pos of Max. Intensity: H0 V0

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:

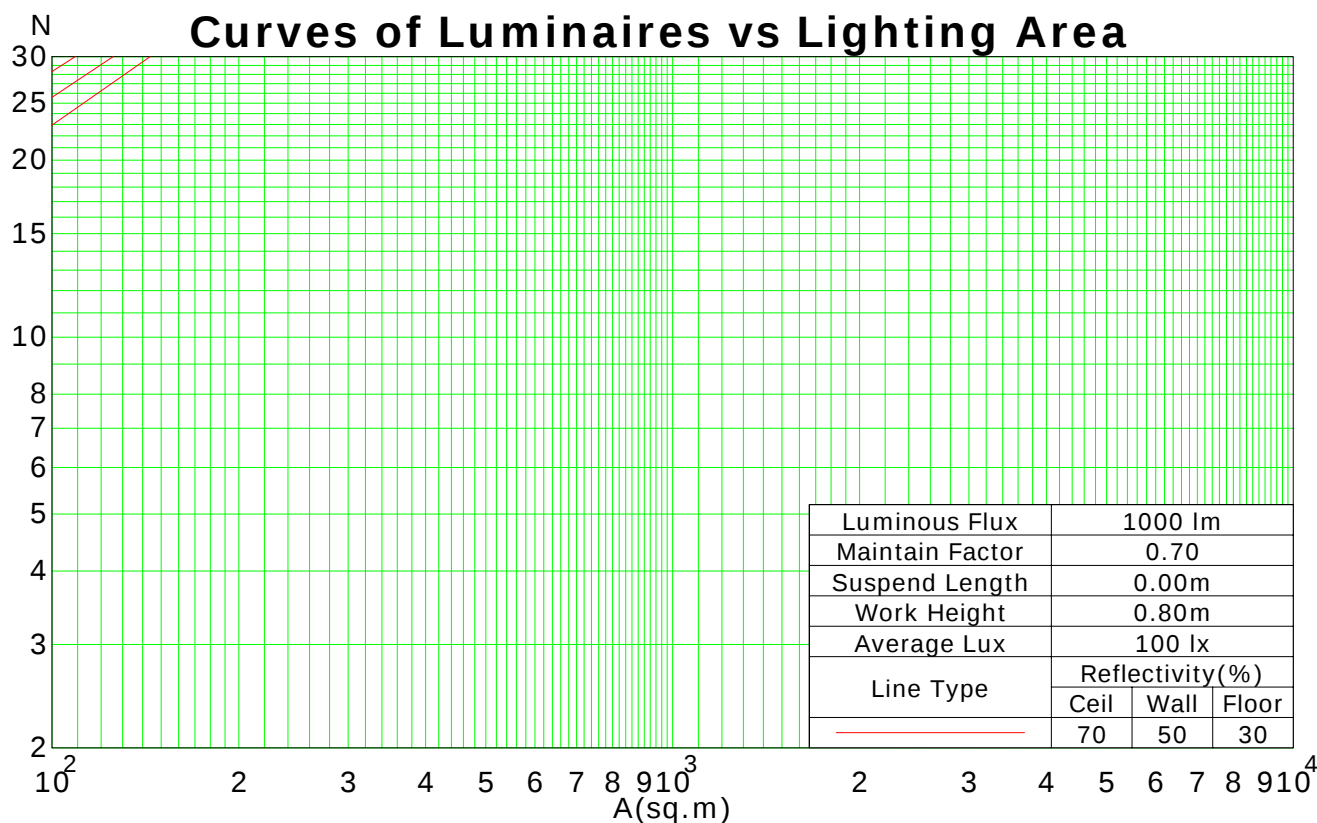
Coefficients Of Utilization - Zonal Cavity Method

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	44	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	42	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	29	24	23

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.37



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Temperature:

Operator: SUSHUNHUA

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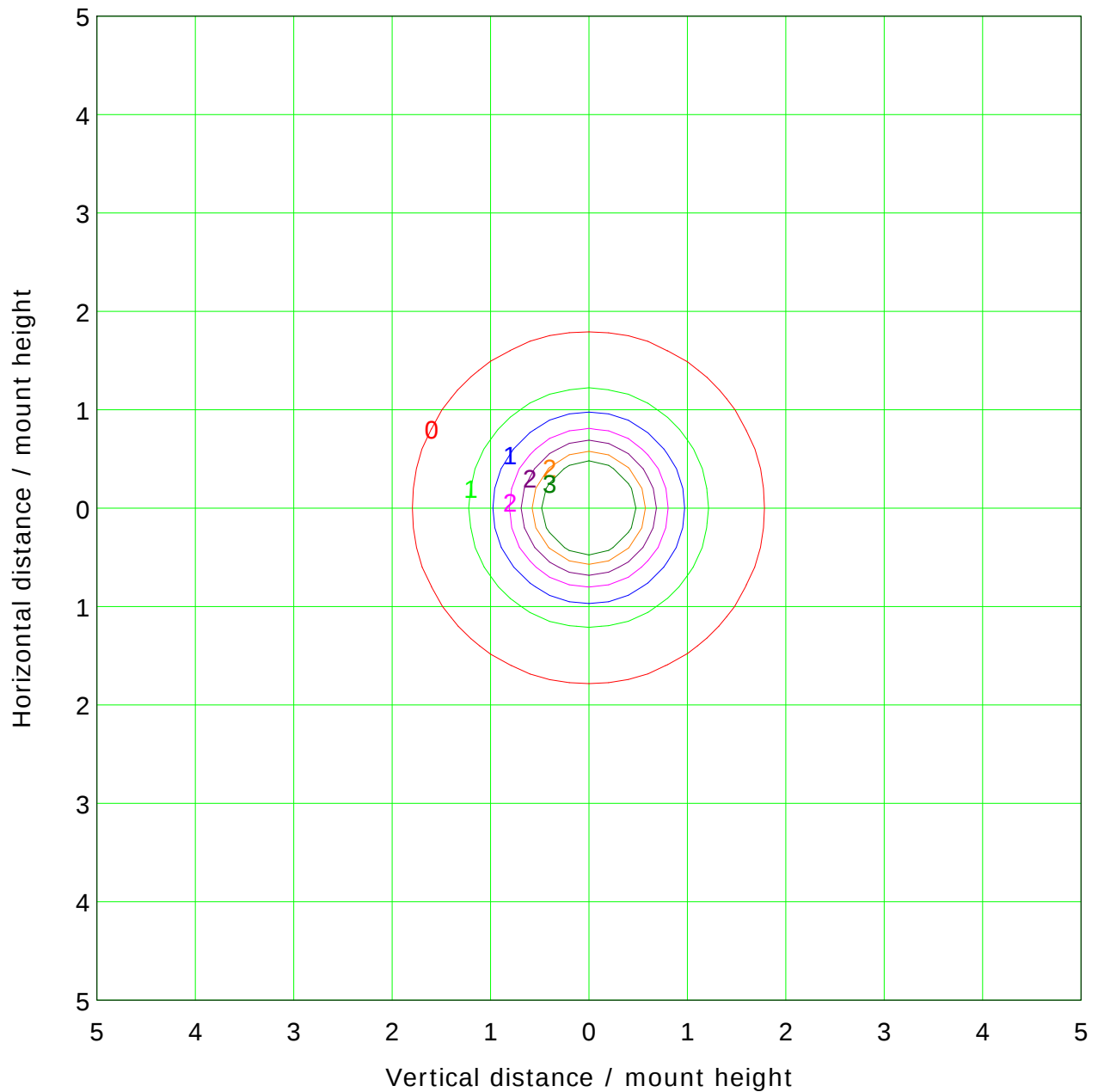
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 4.4 lx	
(5%):	0.2 lx	(15%):	0.7 lx
(25%):	1.1 lx	(35%):	1.6 lx
(45%):	2.0 lx	(55%):	2.4 lx
(65%):	2.9 lx		

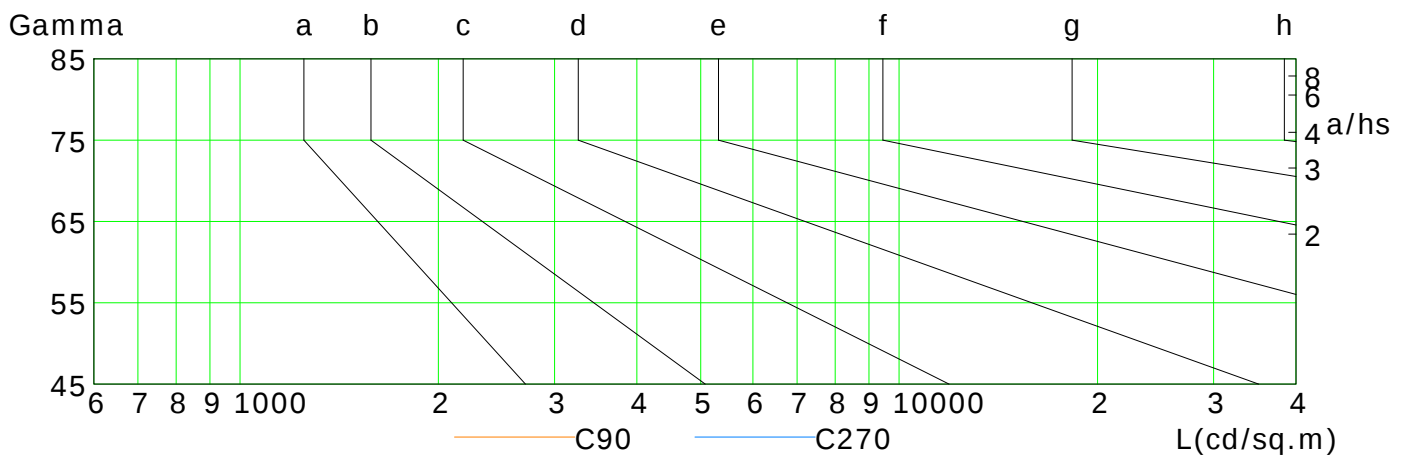
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.344 m
Humidity:
Inspector:

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	296	265	232	197	162	126	91	58	32
C90	292	260	228	193	158	123	88	57	32
C180	293	262	229	194	158	122	86	55	30
C270	296	265	232	197	161	125	89	57	32

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Test Lab:

Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

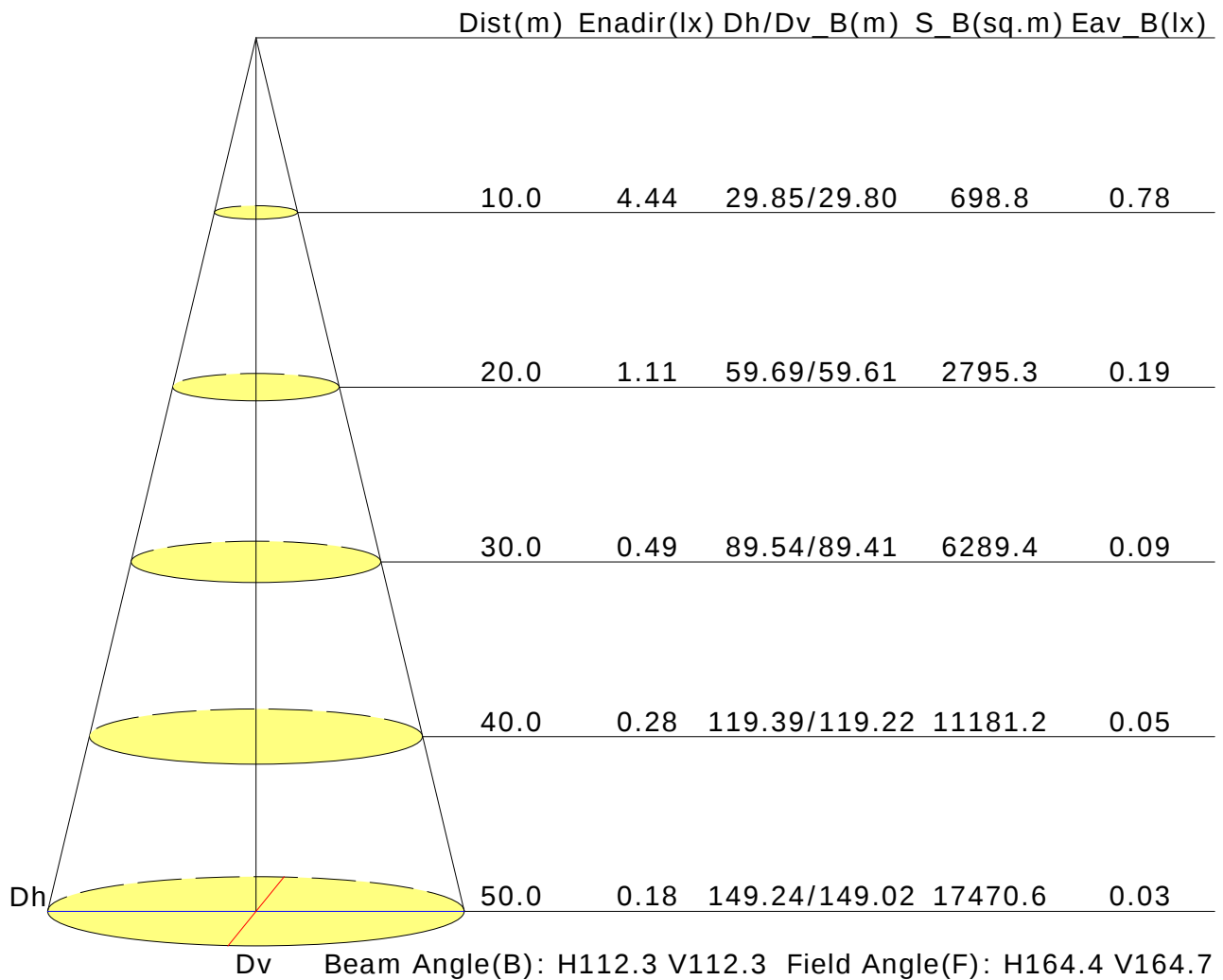
Test Device: GPM-1600L

Distance: 7.344 m

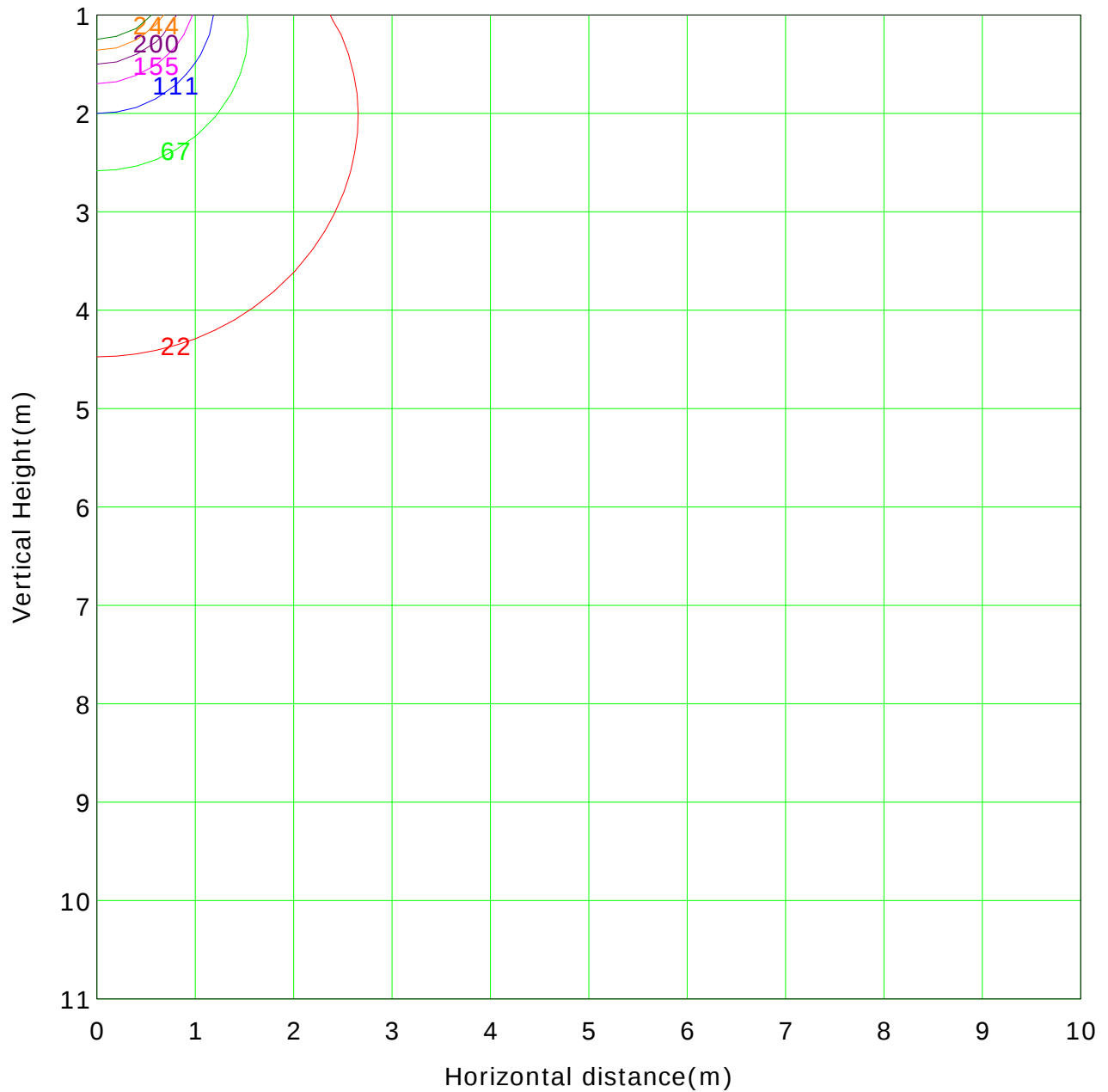
Humidity:

Inspector:

Illuminance at a Distance



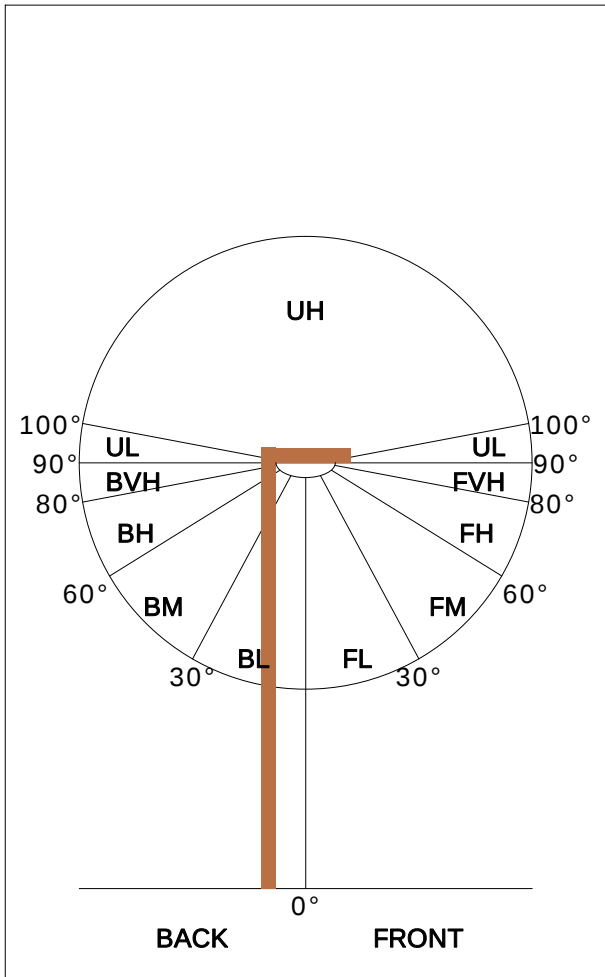
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 443.9 lx

(5%): 22.2 lx	(15%): 66.6 lx
(25%): 111.0 lx	(35%): 155.4 lx
(45%): 199.8 lx	(55%): 244.2 lx
(65%): 288.5 lx	

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	639	47.5
	FL (0°-30°)	171	12.7
	FM (30°-60°)	324	24.1
	FH (60°-80°)	125	9.3
	FVH (80°-90°)	18	1.3
	BACK LIGHT	643	47.8
	BL (0°-30°)	172	12.8
	BM (30°-60°)	327	24.3
	BH (60°-80°)	127	9.4
	BVH (80°-90°)	18	1.3
	UP LIGHT	64	4.8
	UL (90°-100°)	9	0.7
	UH (100°-180°)	55	4.1
	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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