

Report No.:

Test Time: 2021-04-14 16:07

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17017-5000K

Lamp Description: 2835

Current: 0.247 A

Power Factor: 0.950

Lamp Catalog: LED

Voltage: 120.0 V

Power: 28.18 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2280.6 lm

Downward Ratio: 95%

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

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.2, 113.6, 113.4, 113.4

Luminaire Efficacy Rating (LER): 80.98

Max. Intensity: 744.78 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 2280.6 lm

Efficiency: 100%

Upward Ratio: 5%

Central Intensity: 744.64 cd

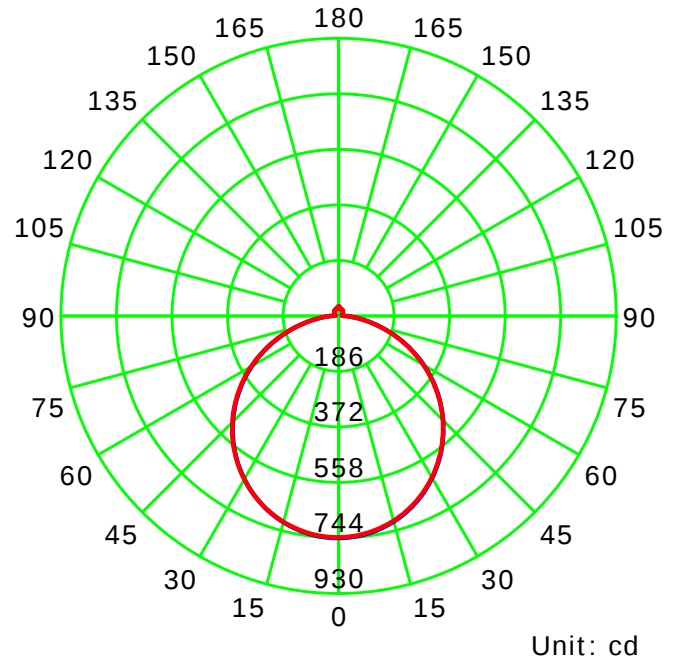
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 1.26

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:

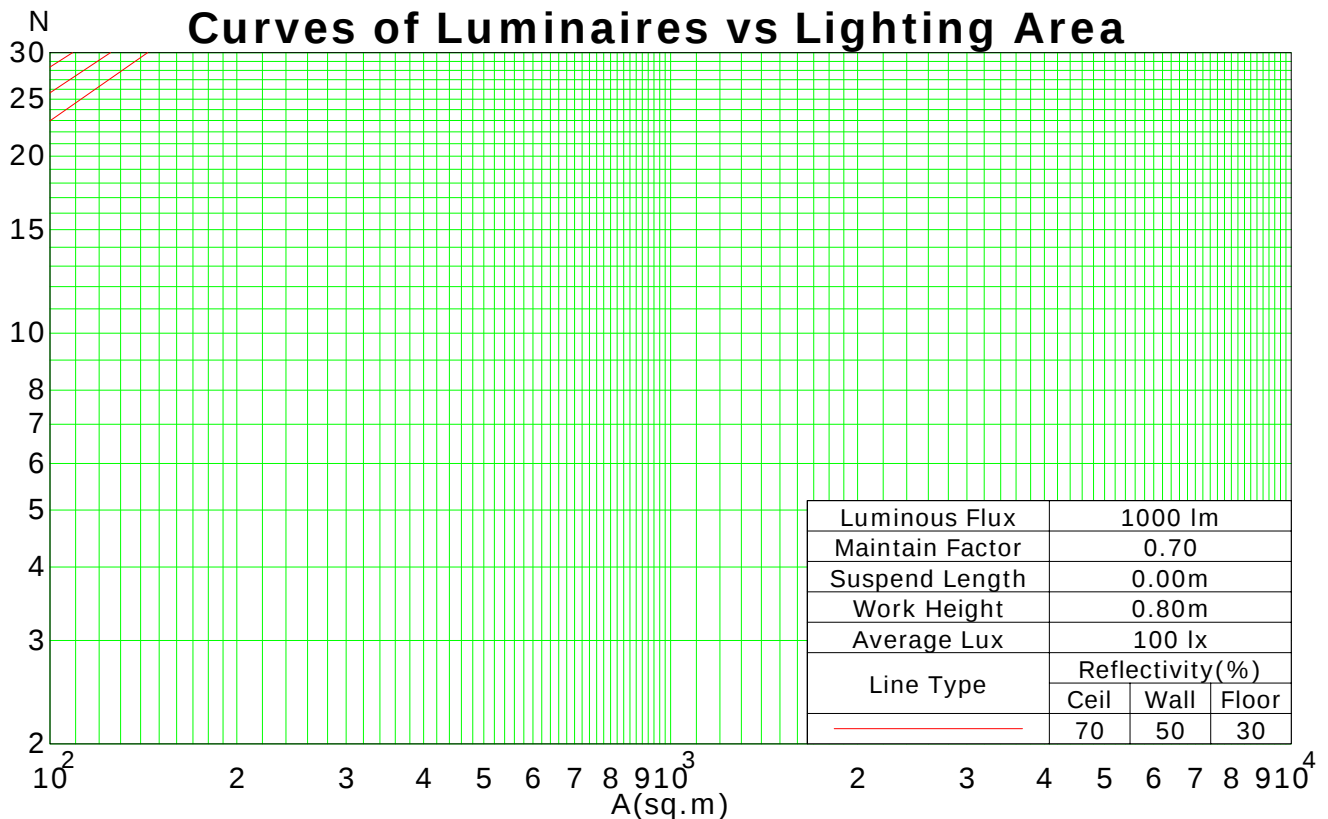
Coefficients Of Utilization - Zonal Cavity Method

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	60	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	74	61	52	46	72	60	52	45	57	50	44	55	48	43	53	47	42	40
6	69	55	46	40	66	54	46	39	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	43	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	32	27	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	22

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.38



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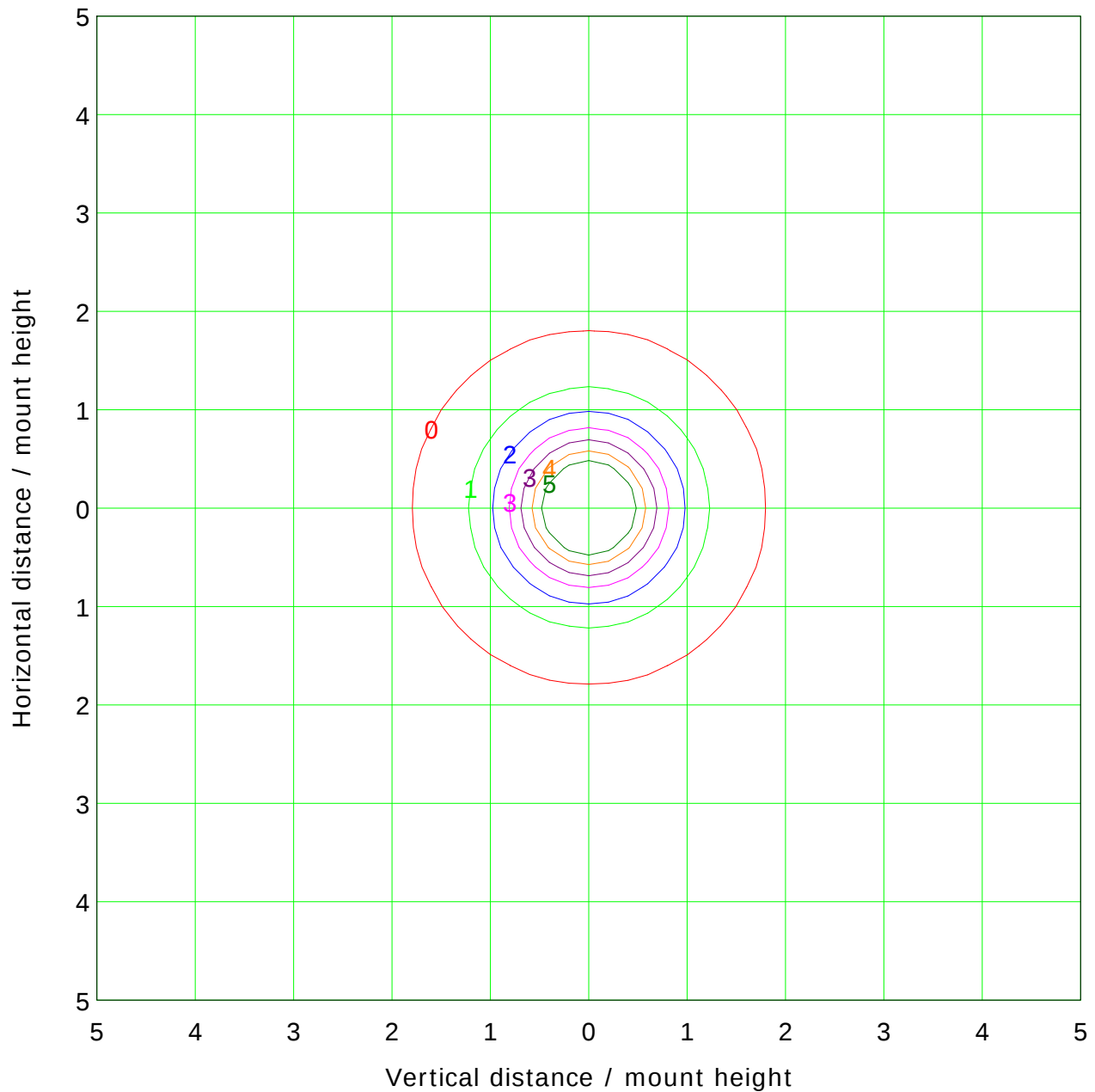
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



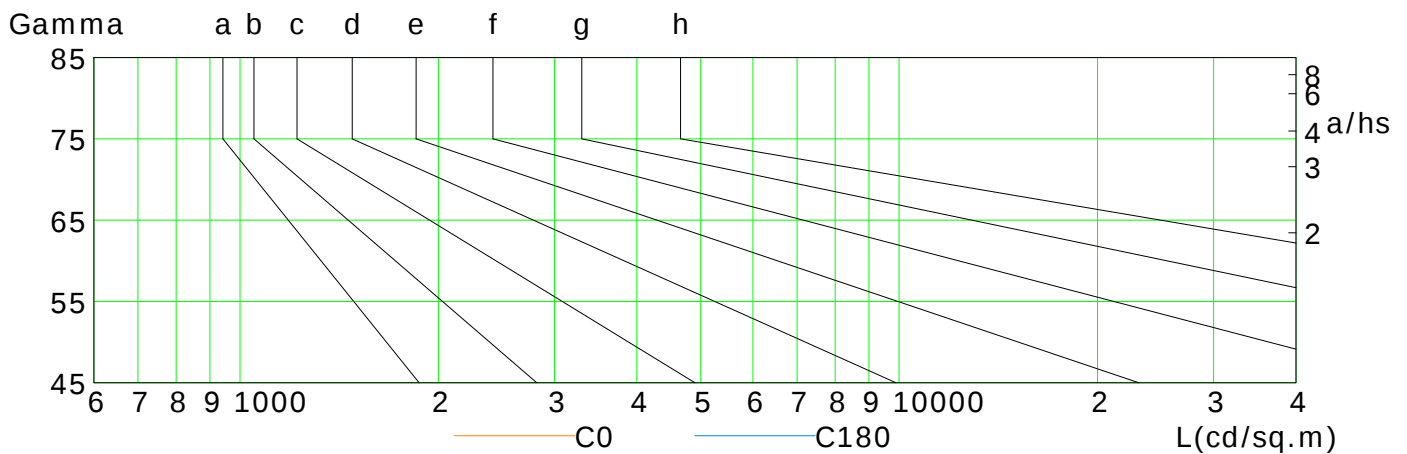
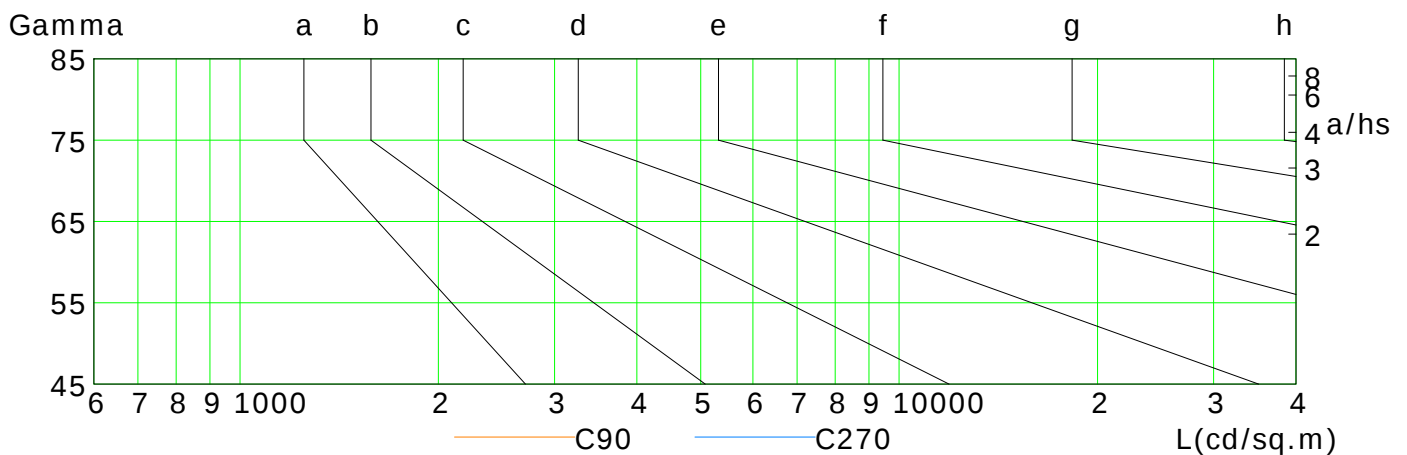
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Lum Limit Curve

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	496	444	388	330	270	209	150	95	50
C90	494	442	387	328	268	207	147	93	49
C180	502	450	395	336	275	213	152	97	53
C270	504	453	398	339	278	216	155	99	53

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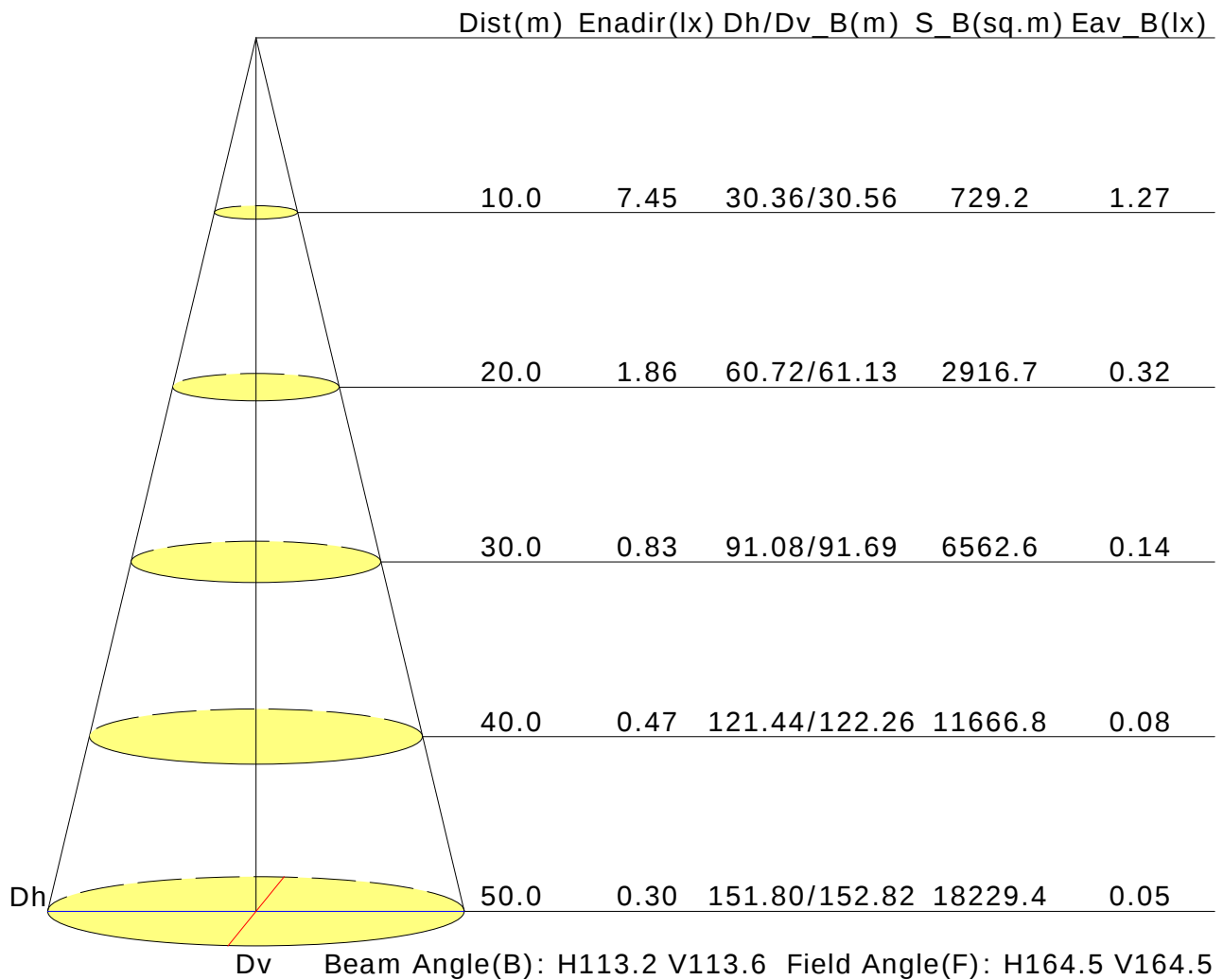
Test Device: GPM-1600L

Distance: 7.344 m

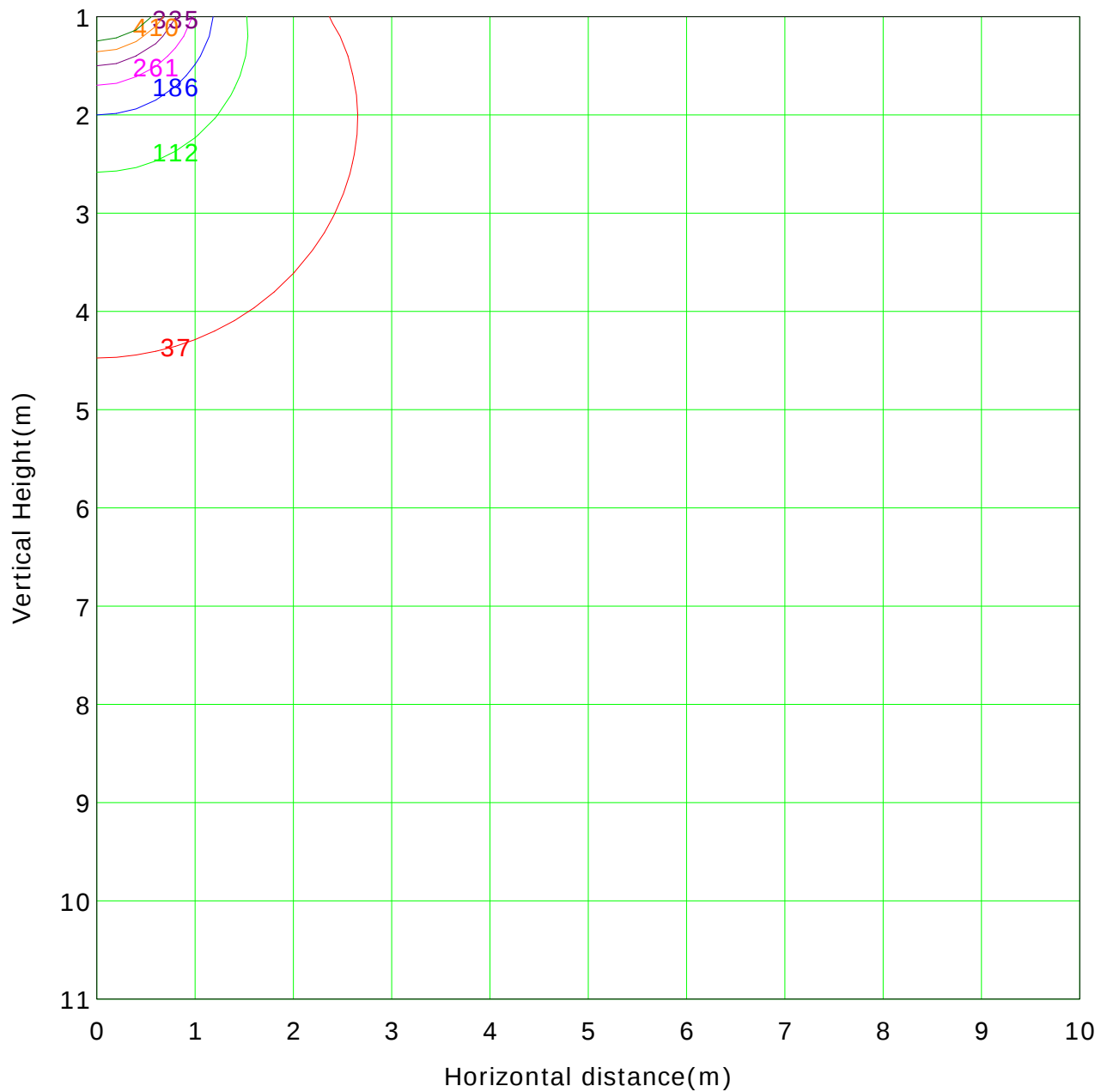
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

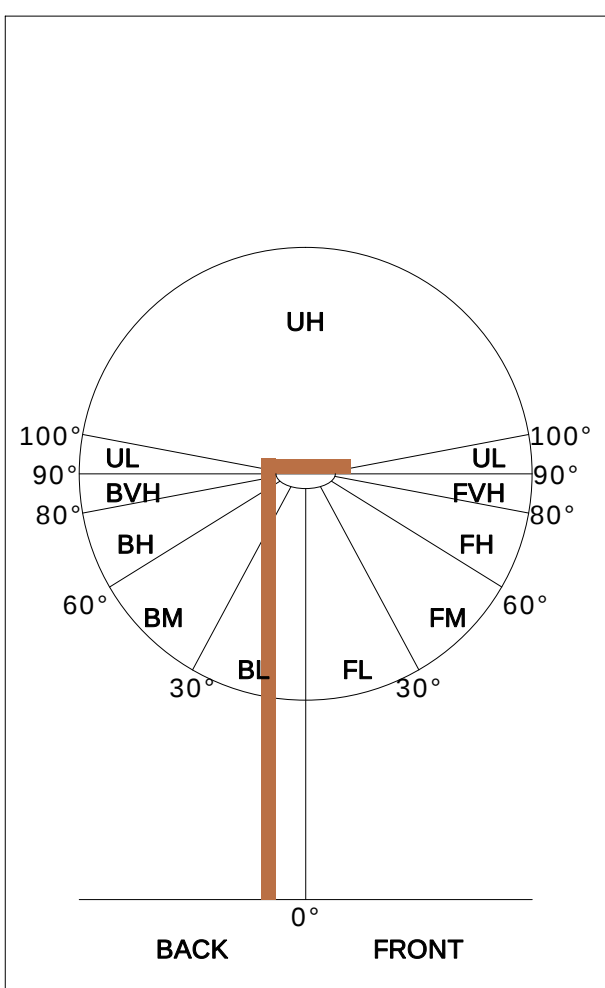


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 744.6 lx
(5%): 37.2 lx	(15%): 111.7 lx	
(25%): 186.2 lx	(35%): 260.6 lx	
(45%): 335.1 lx	(55%): 409.6 lx	
(65%): 484.0 lx		

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Distance: 7.344 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1079	47.3
	FL (0°-30°)	288	12.6
	FM (30°-60°)	549	24.1
	FH (60°-80°)	213	9.3
	FVH (80°-90°)	29	1.3
	BACK LIGHT	1092	47.9
	BL (0°-30°)	289	12.7
	BM (30°-60°)	555	24.3
	BH (60°-80°)	217	9.5
	BVH (80°-90°)	30	1.3
	UP LIGHT	110	4.8
	UL (90°-100°)	16	0.7
	UH (100°-180°)	93	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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