

Report No.:

Test Time: 2021-04-14 16:21

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17017-3000K

Lamp Description: 2835

Current: 0.248 A

Power Factor: 0.948

Lamp Catalog: LED

Voltage: 120.0 V

Power: 28.24 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2234.2 lm

Downward Ratio: 95%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.3, 164.3, 164.3, 164.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.5, 113.2, 113.3, 113.3

Luminaire Efficacy Rating (LER): 79.16

Max. Intensity: 730.86 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 2234.2 lm

Efficiency: 100%

Upward Ratio: 5%

Central Intensity: 730.75 cd

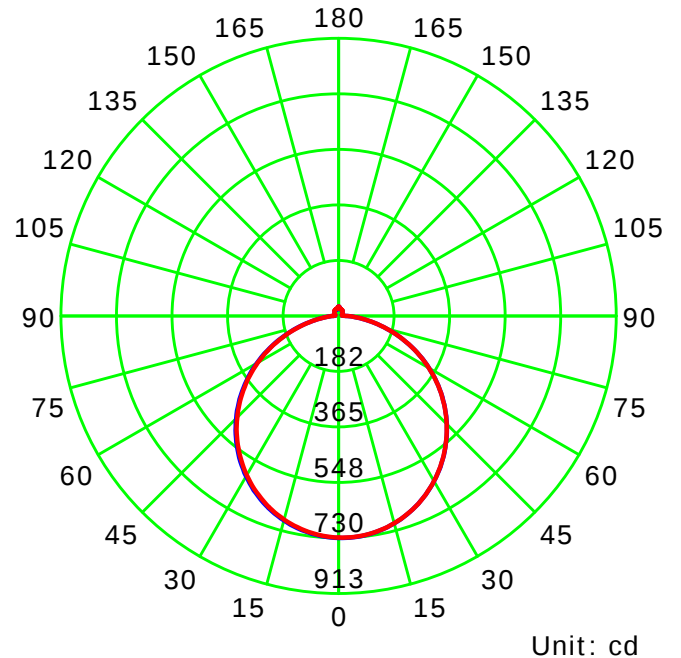
Pos of Max. Intensity: H0 V1

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:

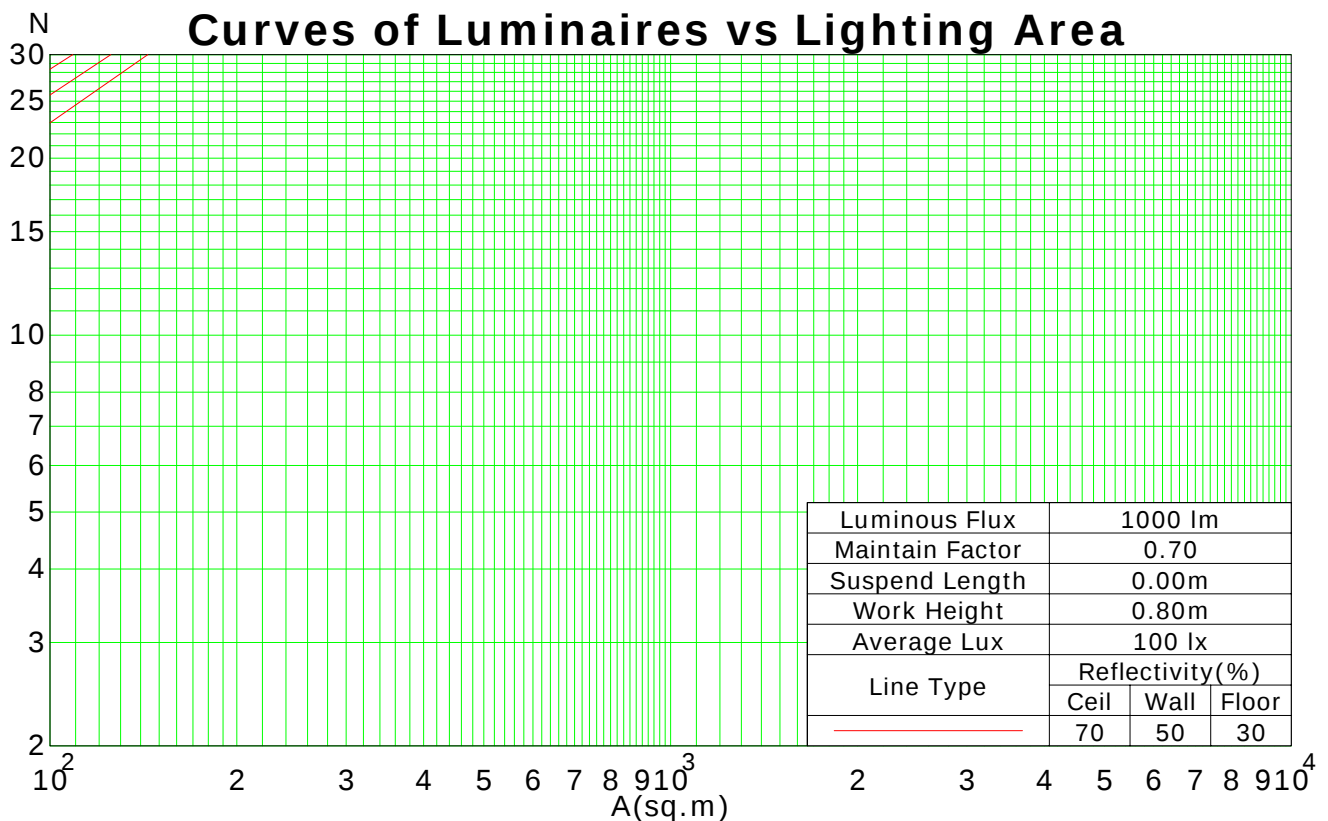
Coefficients Of Utilization - Zonal Cavity Method

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	62	52	46	72	60	52	45	57	50	44	55	48	43	53	47	43	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	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	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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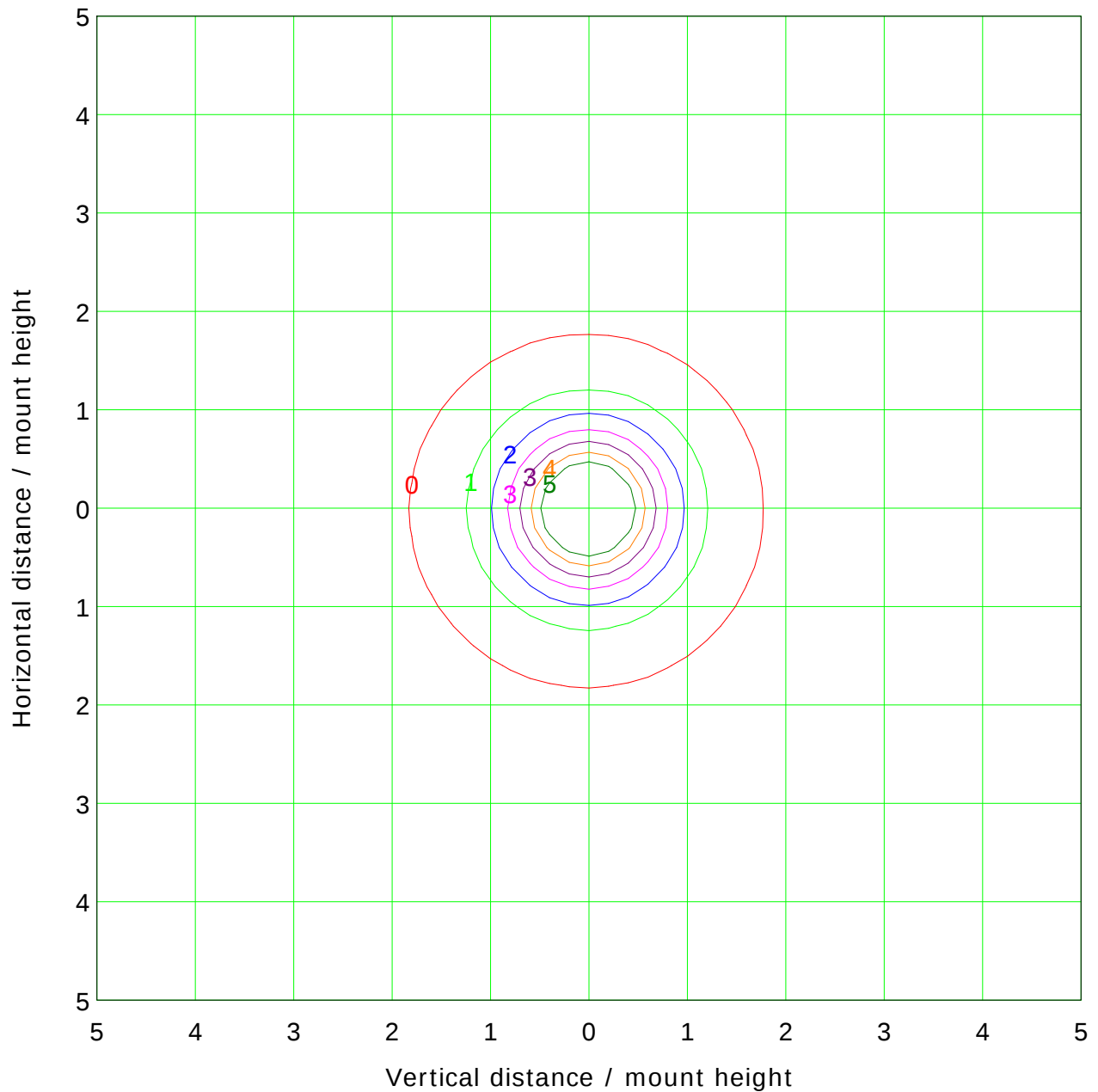
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 7.3 lx	
— (5%):	0.4 lx	— (15%):	1.1 lx
— (25%):	1.8 lx	— (35%):	2.6 lx
— (45%):	3.3 lx	— (55%):	4.0 lx
— (65%):	4.7 lx		

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Test Device: GPM-1600L

Distance: 7.344 m

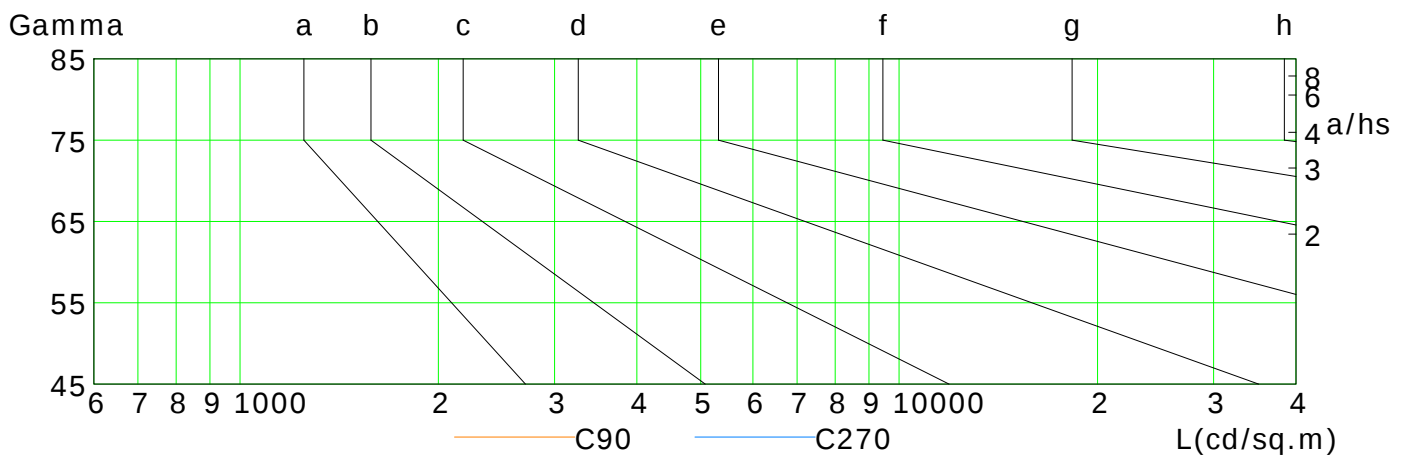
Humidity:

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	504	454	401	344	285	225	165	109	61
C90	503	453	400	343	285	225	165	109	61
C180	477	426	370	311	250	190	131	79	41
C270	472	421	365	307	247	187	129	78	40

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Test Lab:

Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

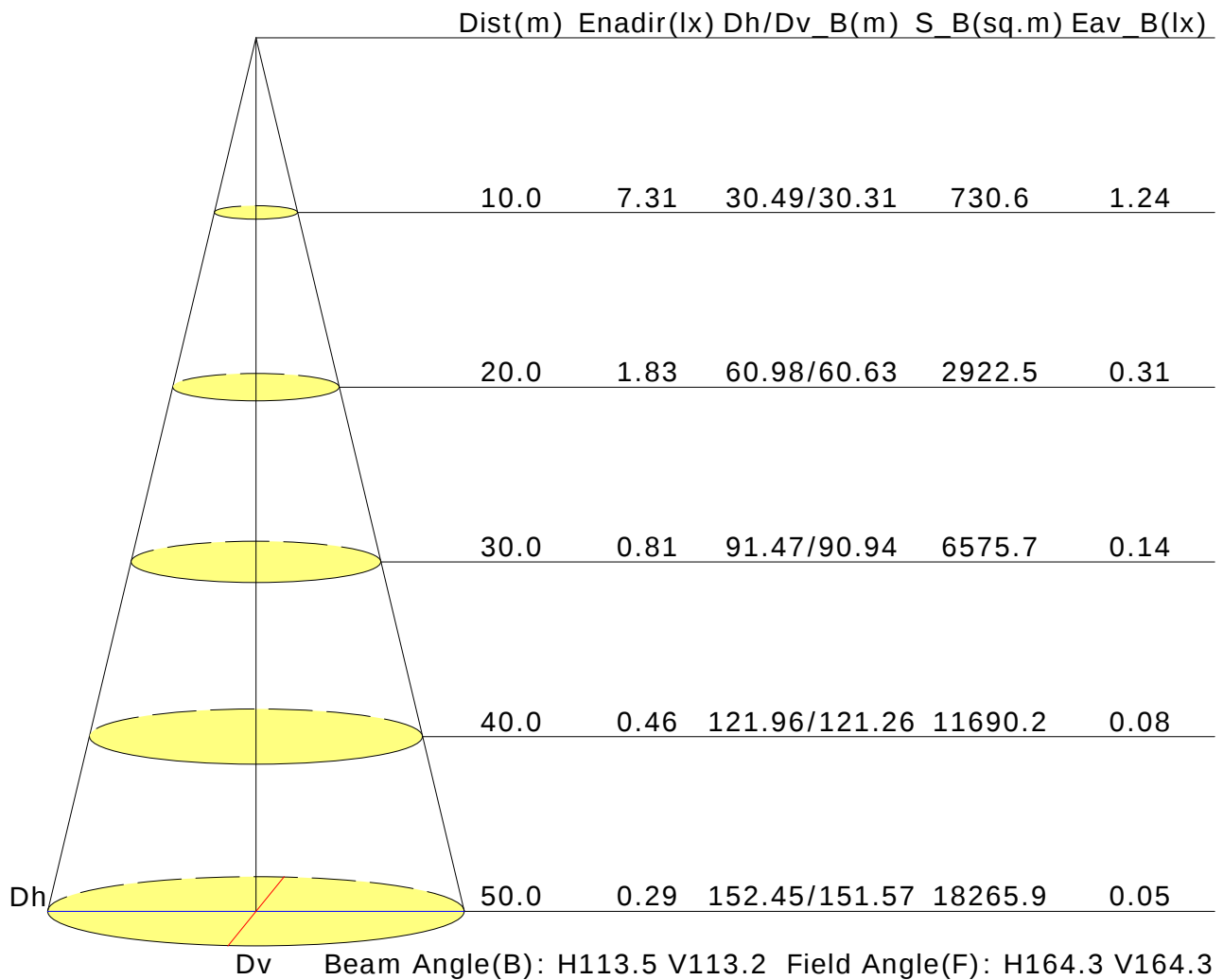
Test Device: GPM-1600L

Distance: 7.344 m

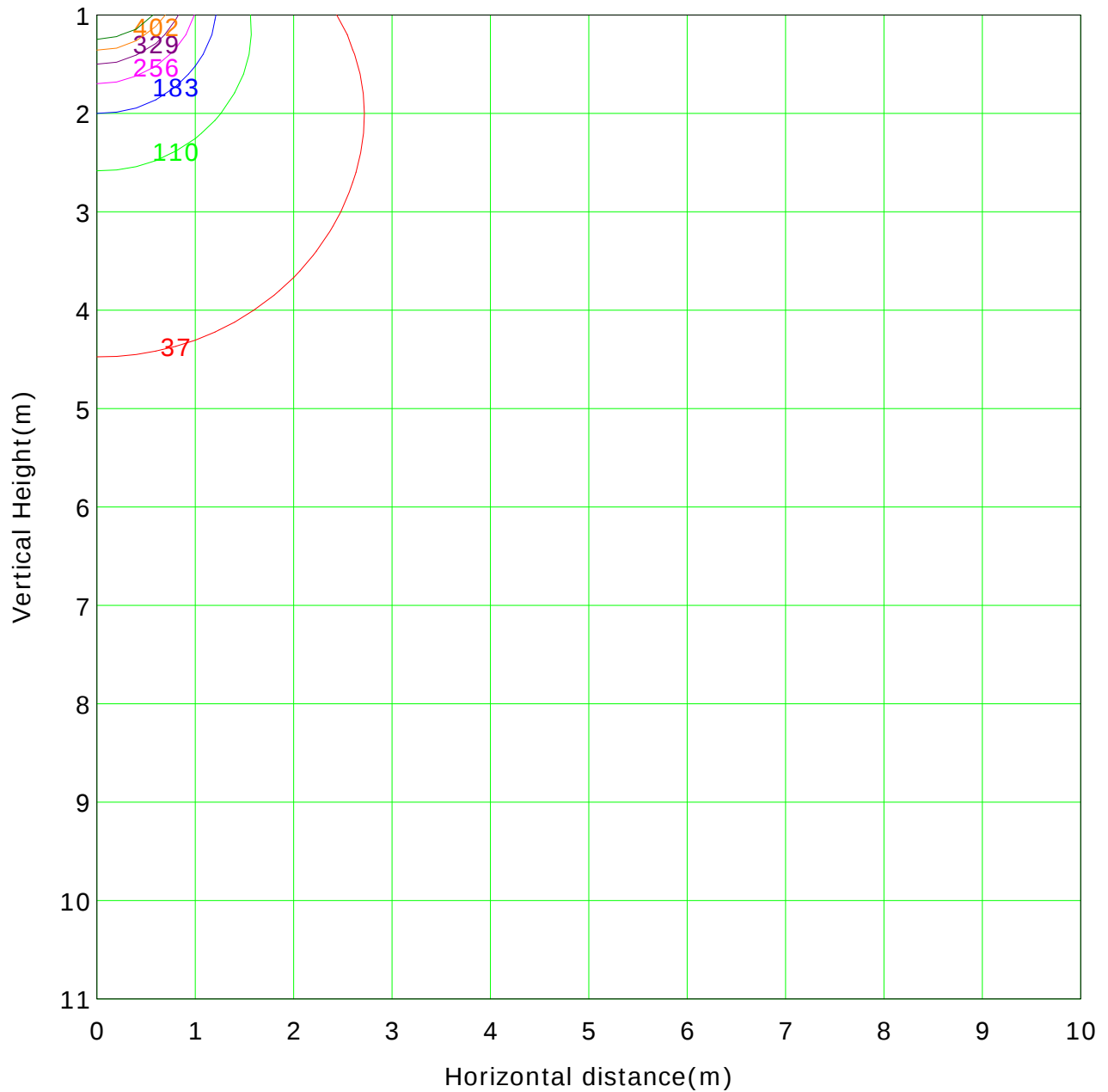
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

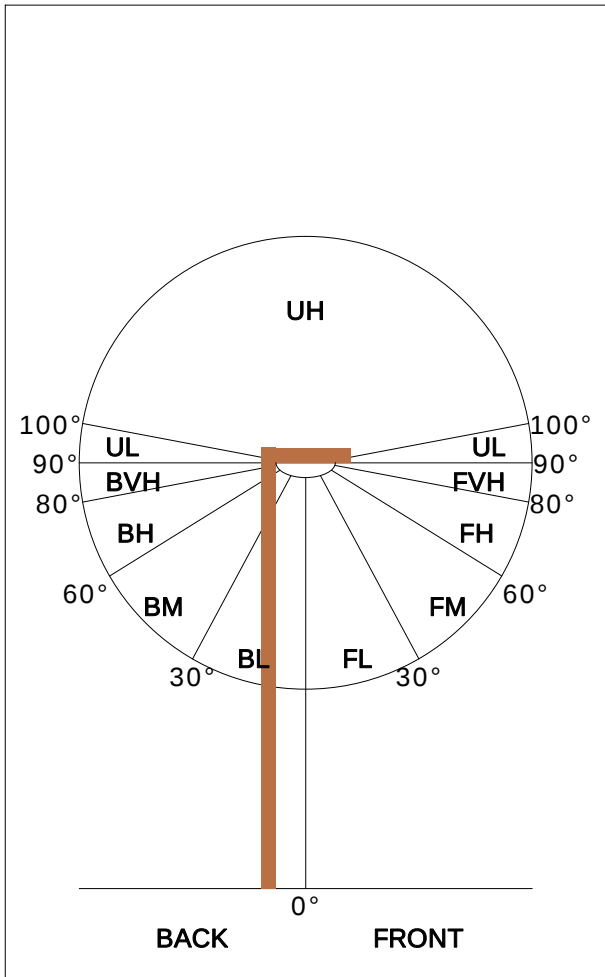


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 730.8 lx
(5%): 36.5 lx	(15%): 109.6 lx	
(25%): 182.7 lx	(35%): 255.8 lx	
(45%): 328.8 lx	(55%): 401.9 lx	
(65%): 475.0 lx		

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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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1087	48.6
	FL (0°-30°)	285	12.8
	FM (30°-60°)	550	24.6
	FH (60°-80°)	220	9.8
	FVH (80°-90°)	32	1.4
	BACK LIGHT	1041	46.6
	BL (0°-30°)	282	12.6
	BM (30°-60°)	532	23.8
	BH (60°-80°)	201	9.0
	BVH (80°-90°)	26	1.2
	UP LIGHT	106	4.8
	UL (90°-100°)	16	0.7
	UH (100°-180°)	90	4.0
	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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