

Report No.:

Test Time: 2021-04-14 15:55

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17017-4000K

Lamp Description: 2835

Current: 0.235 A

Power Factor: 0.963

Lamp Catalog: LED

Voltage: 120.1 V

Power: 27.13 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2437.5 lm

Downward Ratio: 95%

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

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.5, 113.2, 113.4, 113.4

Luminaire Efficacy Rating (LER): 89.89

Max. Intensity: 796.41 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 2437.5 lm

Efficiency: 100%

Upward Ratio: 5%

Central Intensity: 796.18 cd

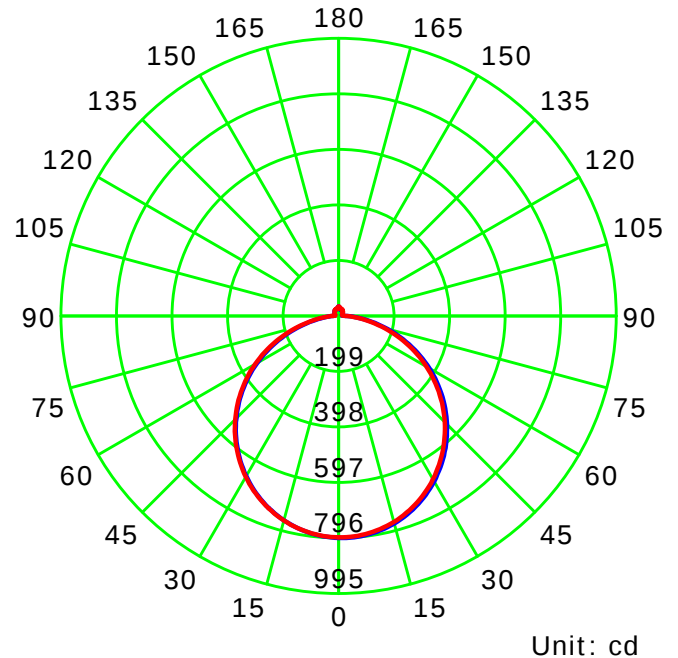
Pos of Max. Intensity: H0 V2

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:

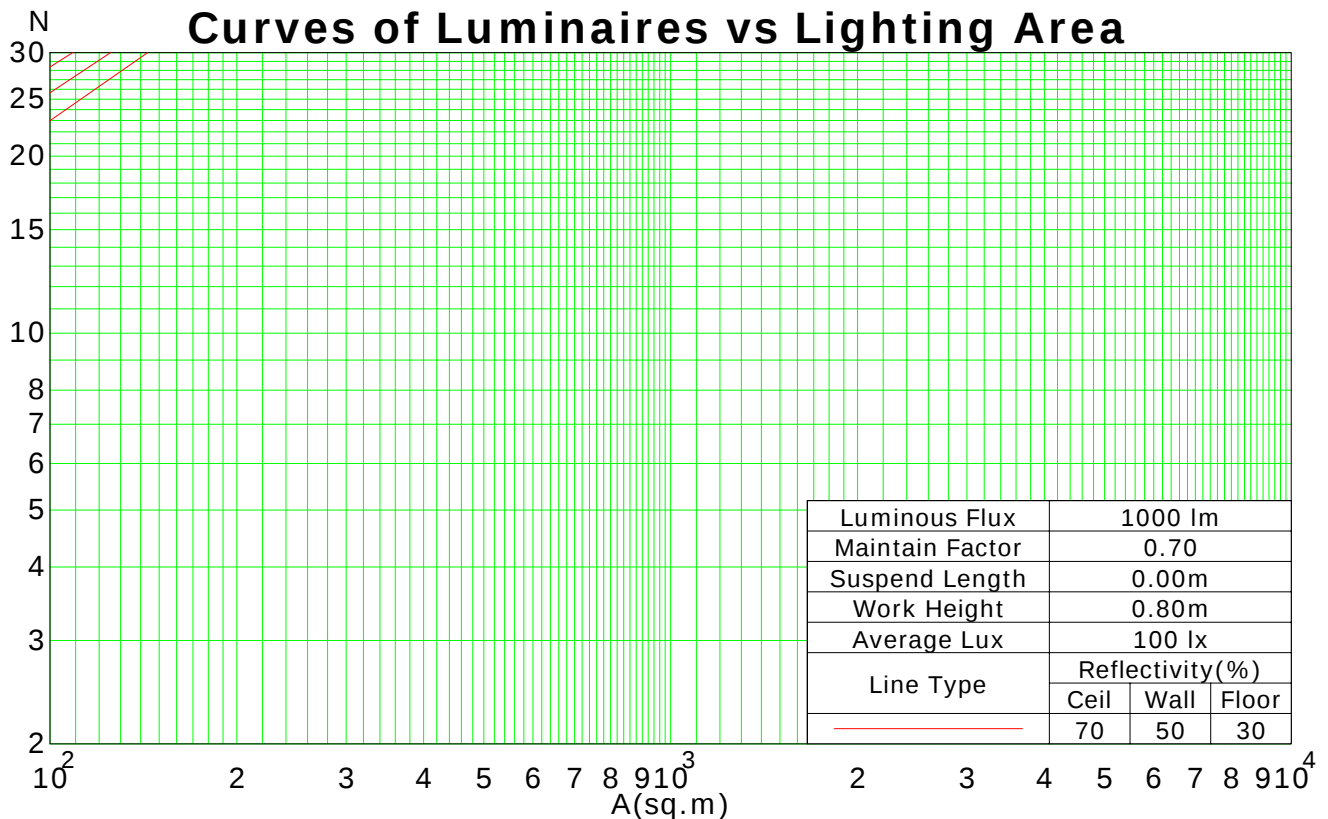
Coefficients Of Utilization - Zonal Cavity Method

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	58	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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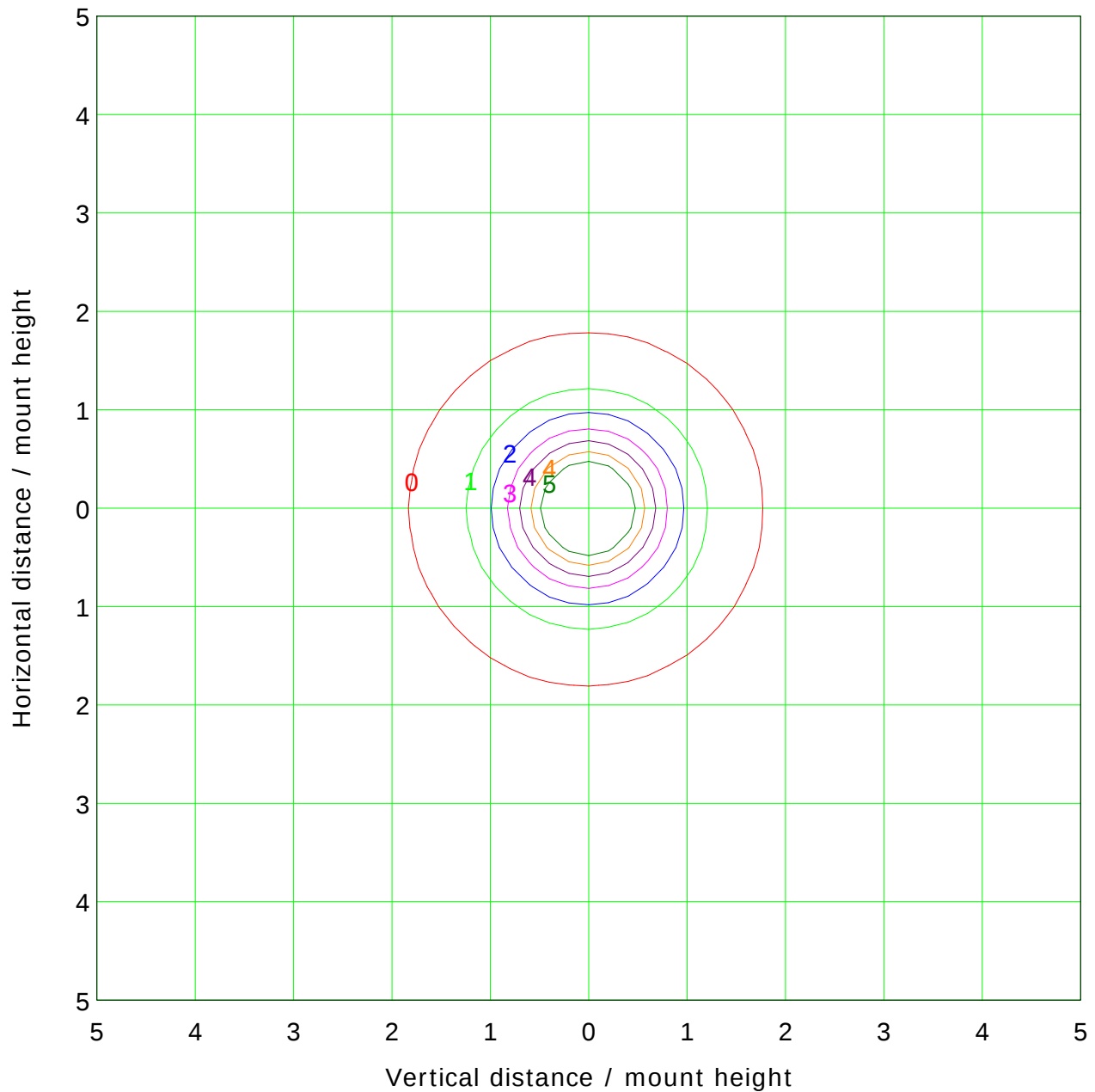
Test Device: GPM-1600L

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Inspector:

IsoLux Plot



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Temperature:

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Test Device: GPM-1600L

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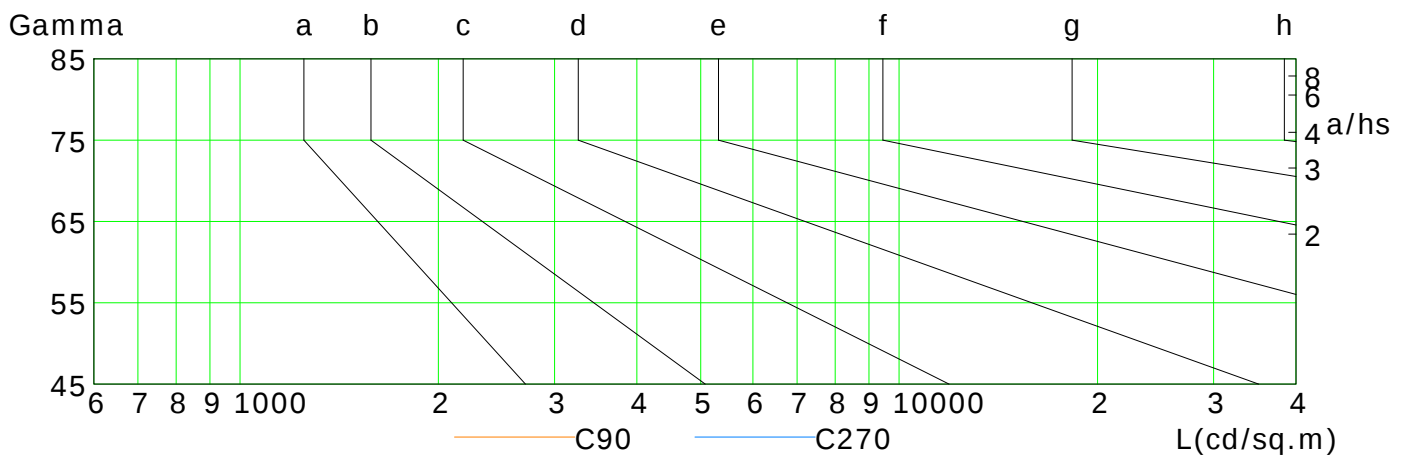
Humidity:

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	550	496	437	376	312	246	181	120	68
C90	539	484	425	363	300	235	171	111	61
C180	518	462	401	338	272	206	142	86	45
C270	524	469	410	346	281	215	152	94	49

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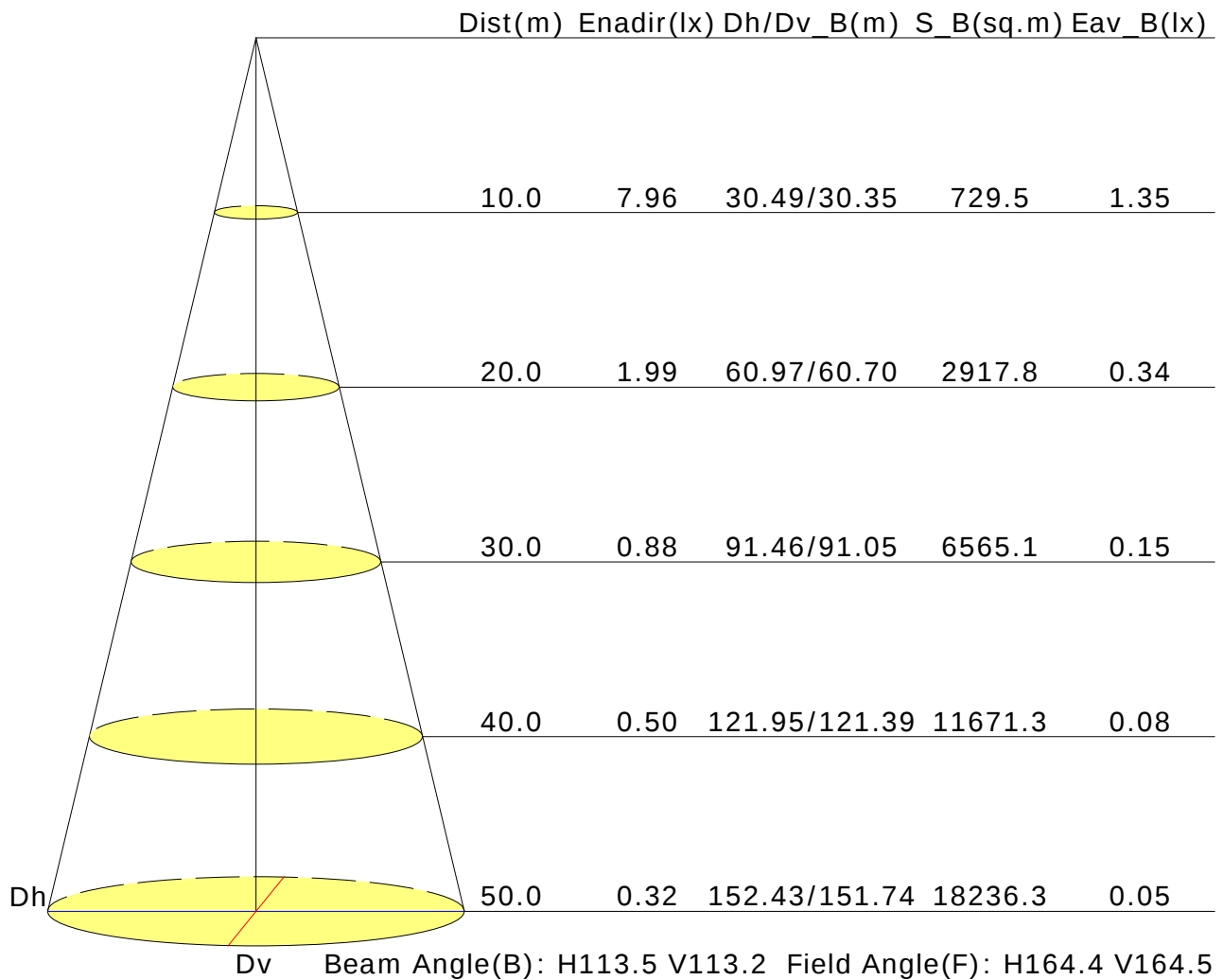
Test Device: GPM-1600L

Distance: 7.344 m

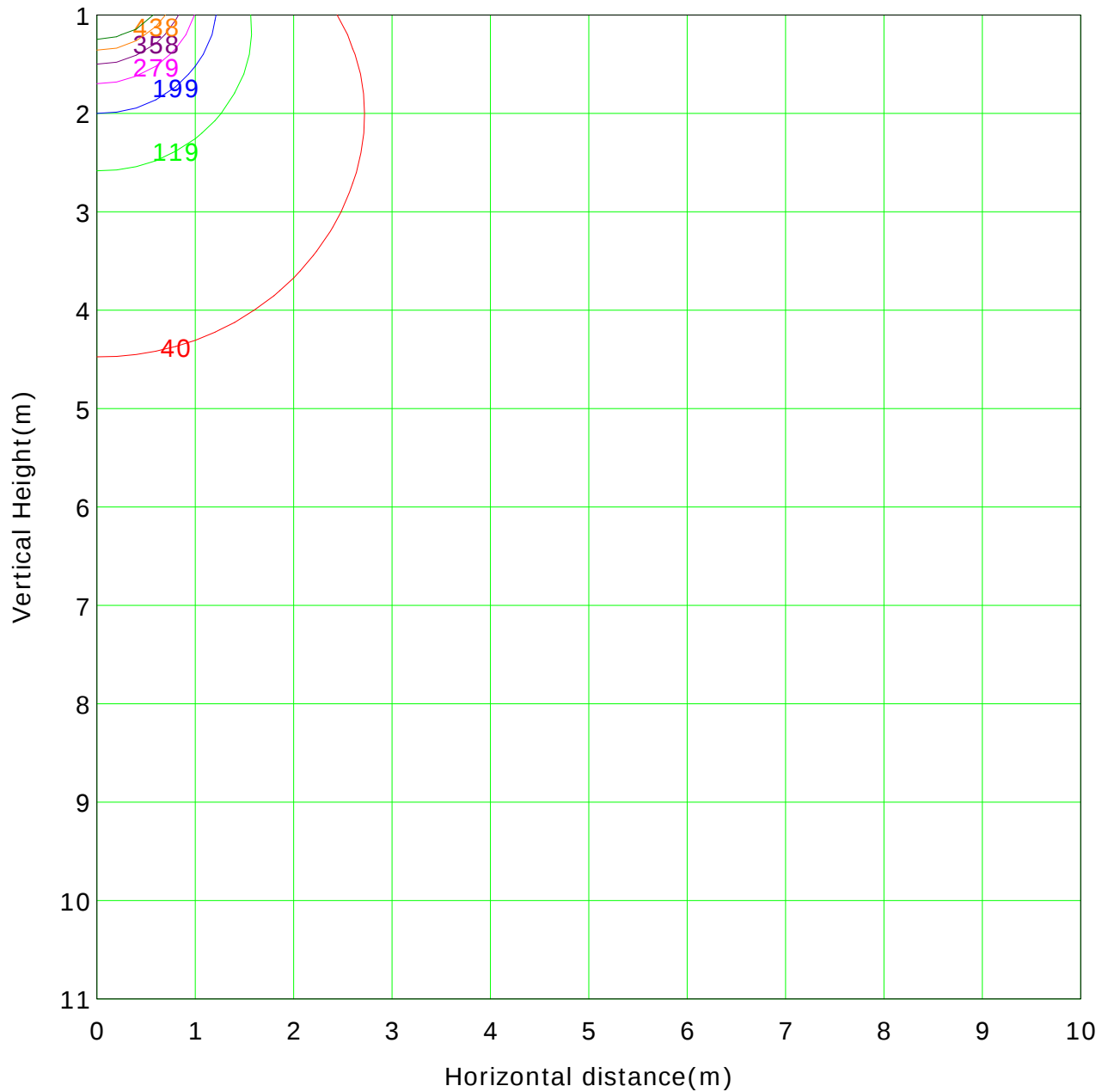
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 796.2 lx

(5%): 39.8 lx	(15%): 119.4 lx
(25%): 199.0 lx	(35%): 278.7 lx
(45%): 358.3 lx	(55%): 437.9 lx
(65%): 517.5 lx	

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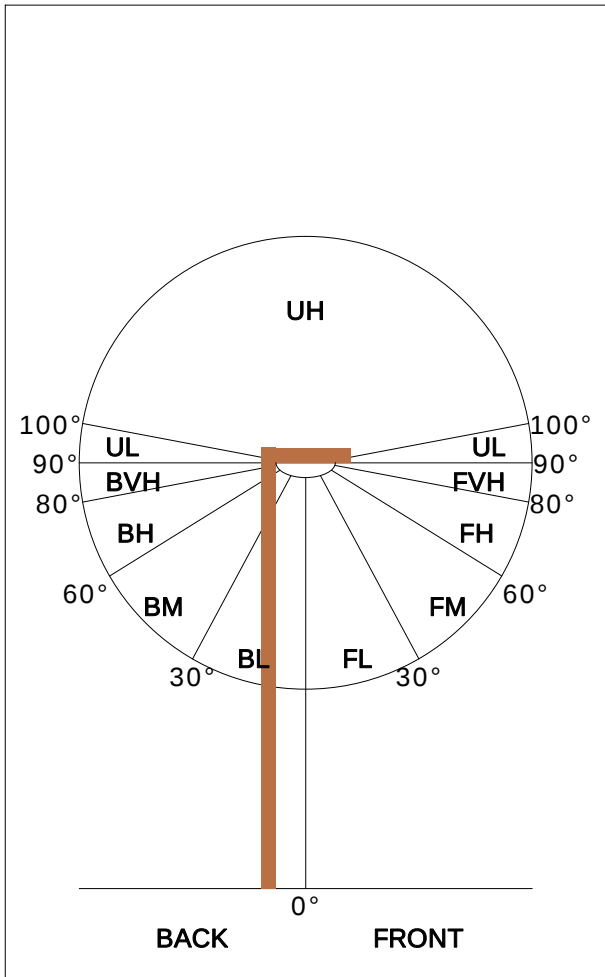
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1171	48.0
	FL (0°-30°)	309	12.7
	FM (30°-60°)	594	24.3
	FH (60°-80°)	234	9.6
	FVH (80°-90°)	34	1.4
	BACK LIGHT	1149	47.1
	BL (0°-30°)	308	12.6
	BM (30°-60°)	586	24.0
	BH (60°-80°)	225	9.2
	BVH (80°-90°)	30	1.2
	UP LIGHT	118	4.8
	UL (90°-100°)	18	0.8
	UH (100°-180°)	99	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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