

Report No.:

Test Time: 2021-04-12 17:04

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17001-3000K

Lamp Description: 2835

Current: 0.157 A

Power Factor: 0.932

Lamp Catalog: LED

Voltage: 120.0 V

Power: 17.53 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1196.1 lm

Downward Ratio: 92%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 172.5, 172.4, 172.5, 172.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 117.6, 116.9, 117.3, 117.3

Luminaire Efficacy Rating (LER): 68.28

Max. Intensity: 357.59 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 1196.1 lm

Efficiency: 100%

Upward Ratio: 8%

Central Intensity: 354.85 cd

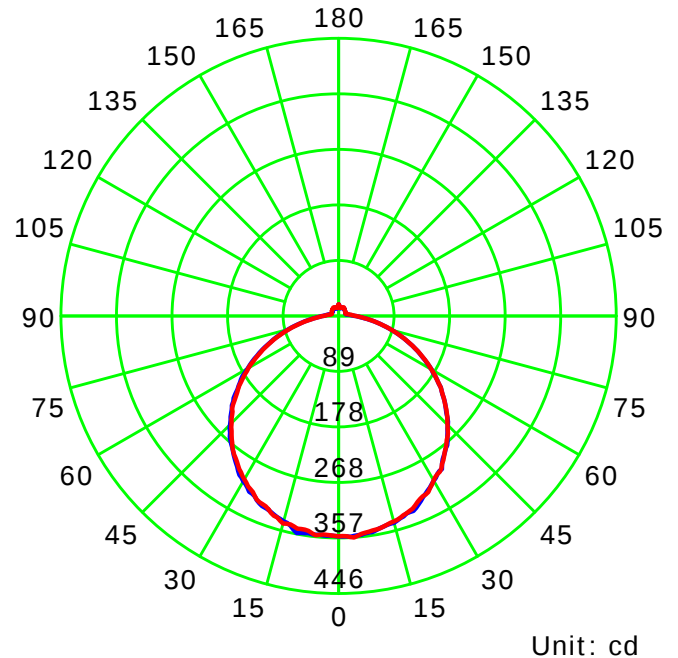
Pos of Max. Intensity: H90 V4

S/MH(C90/C270): 1.28

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:

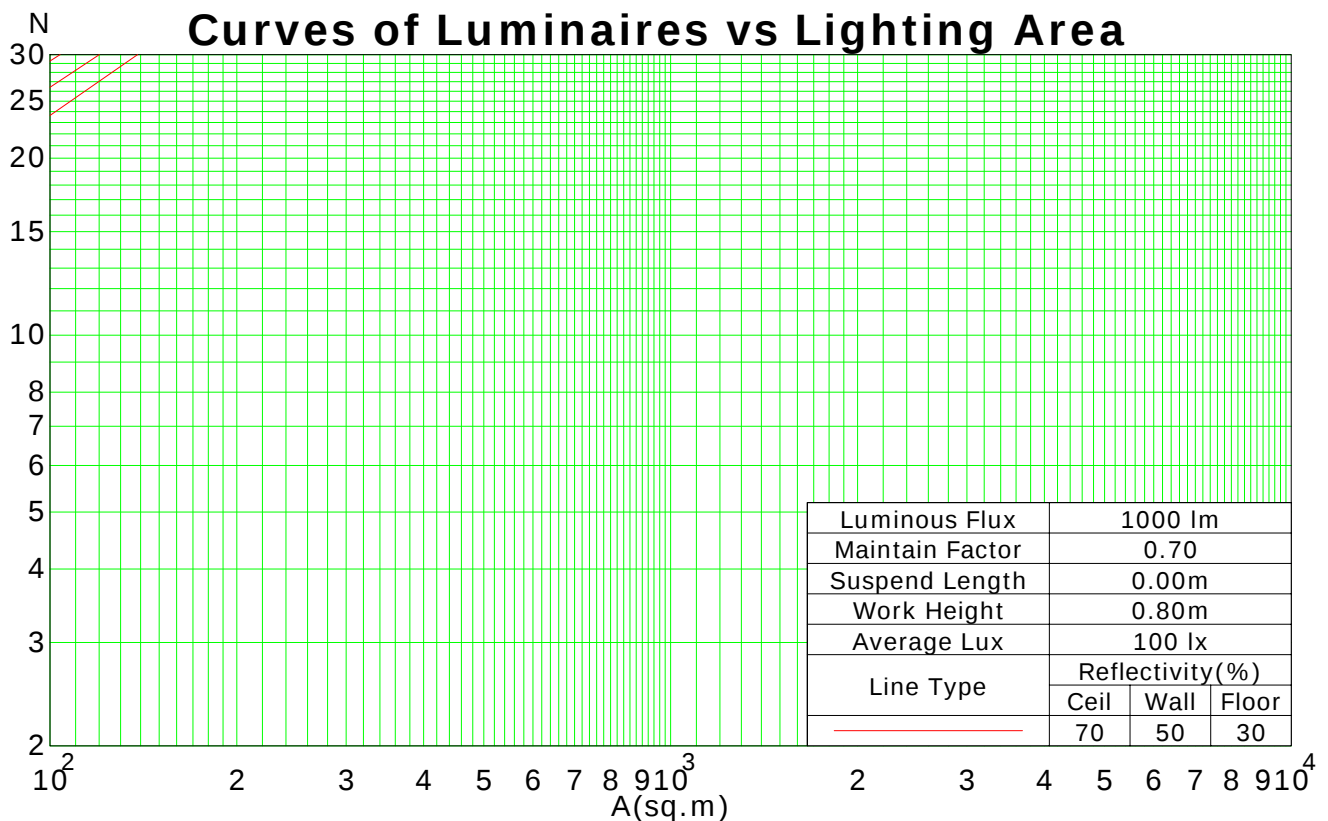
Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	106	101	96	92	102	98	94	90	92	89	85	87	84	81	82	80	78	75
2	96	87	80	74	93	85	78	73	80	74	70	75	71	67	71	68	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	51
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	50	46	44
5	73	60	51	44	70	58	50	43	55	48	42	53	46	41	50	44	40	38
6	67	54	45	38	65	52	44	38	50	42	37	47	41	36	45	39	35	33
7	62	49	40	34	60	48	39	33	45	38	32	43	37	32	41	35	31	29
8	58	44	36	30	56	43	35	30	41	34	29	40	33	28	38	32	28	26
9	54	41	32	27	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	23	21

Spacing Criteria (0-180): 1.29

Spacing Criteria (90-270): 1.28

Spacing Criteria (Diagonal): 1.40



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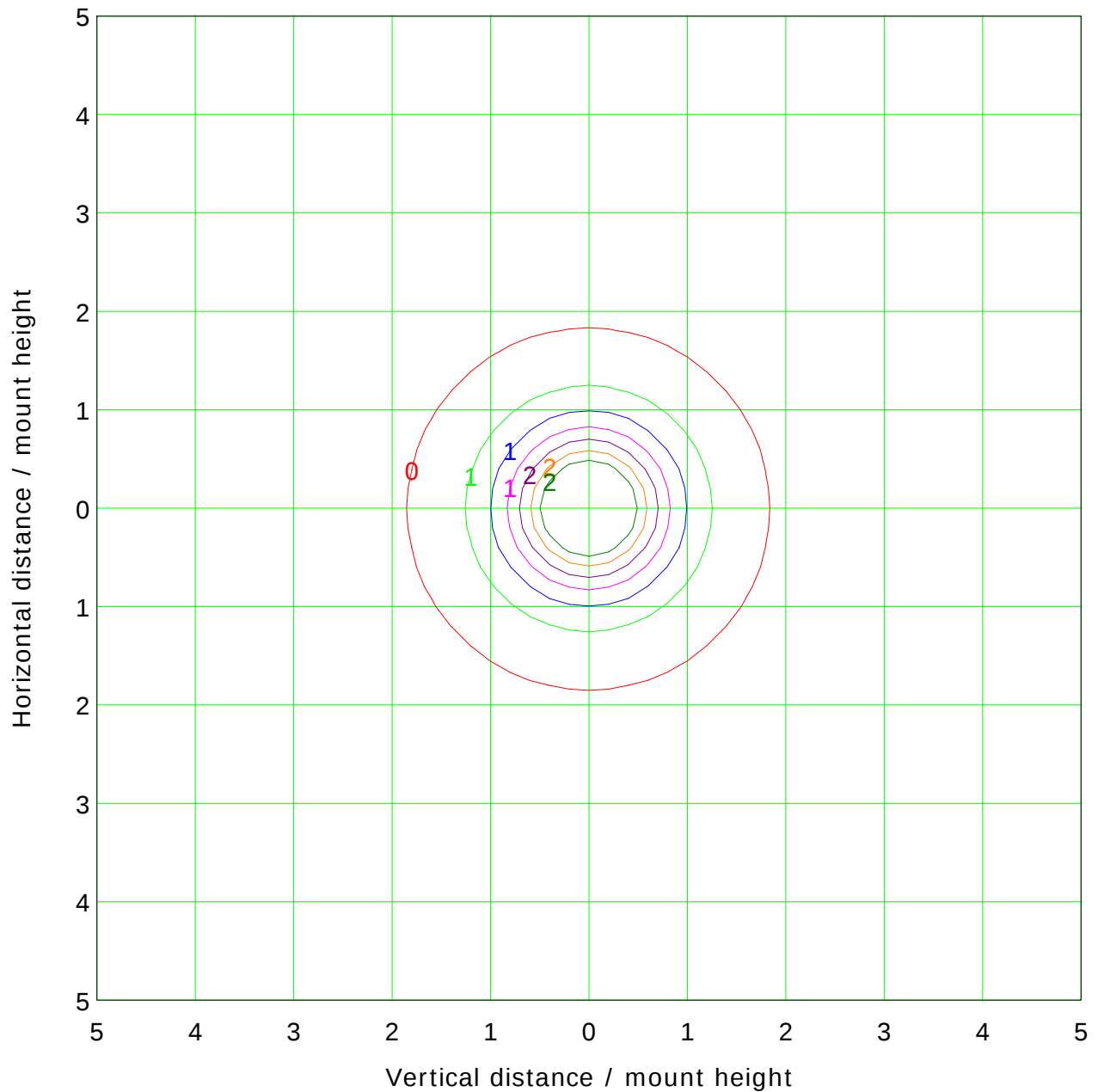
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



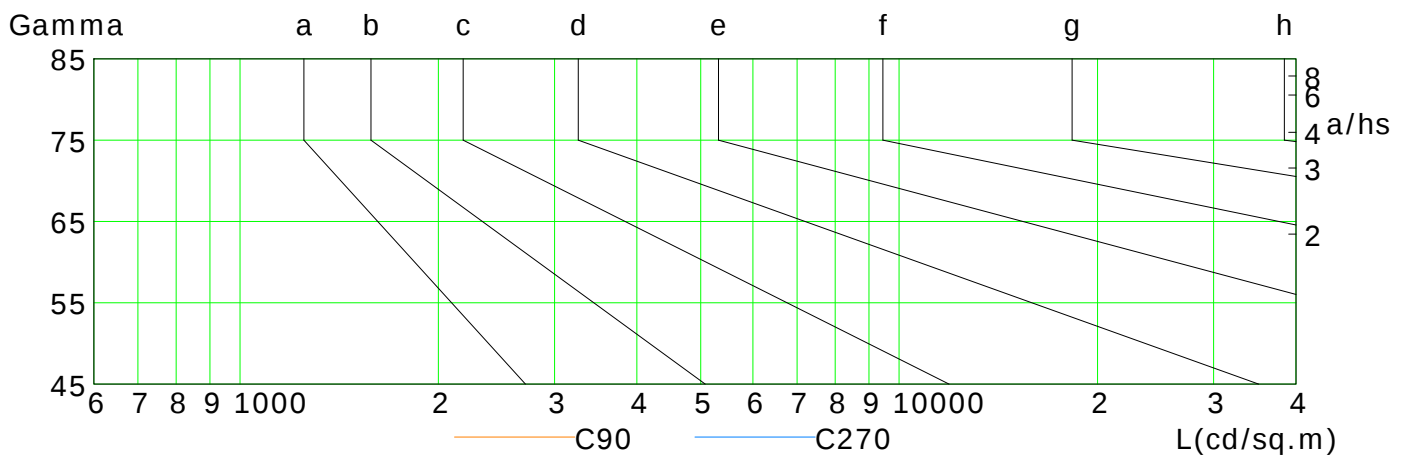
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Lum Limit Curve

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	249	224	201	173	145	117	89	63	42
C90	248	225	201	173	145	117	89	64	42
C180	247	224	197	169	141	112	84	59	38
C270	244	222	196	168	139	111	83	58	37

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Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

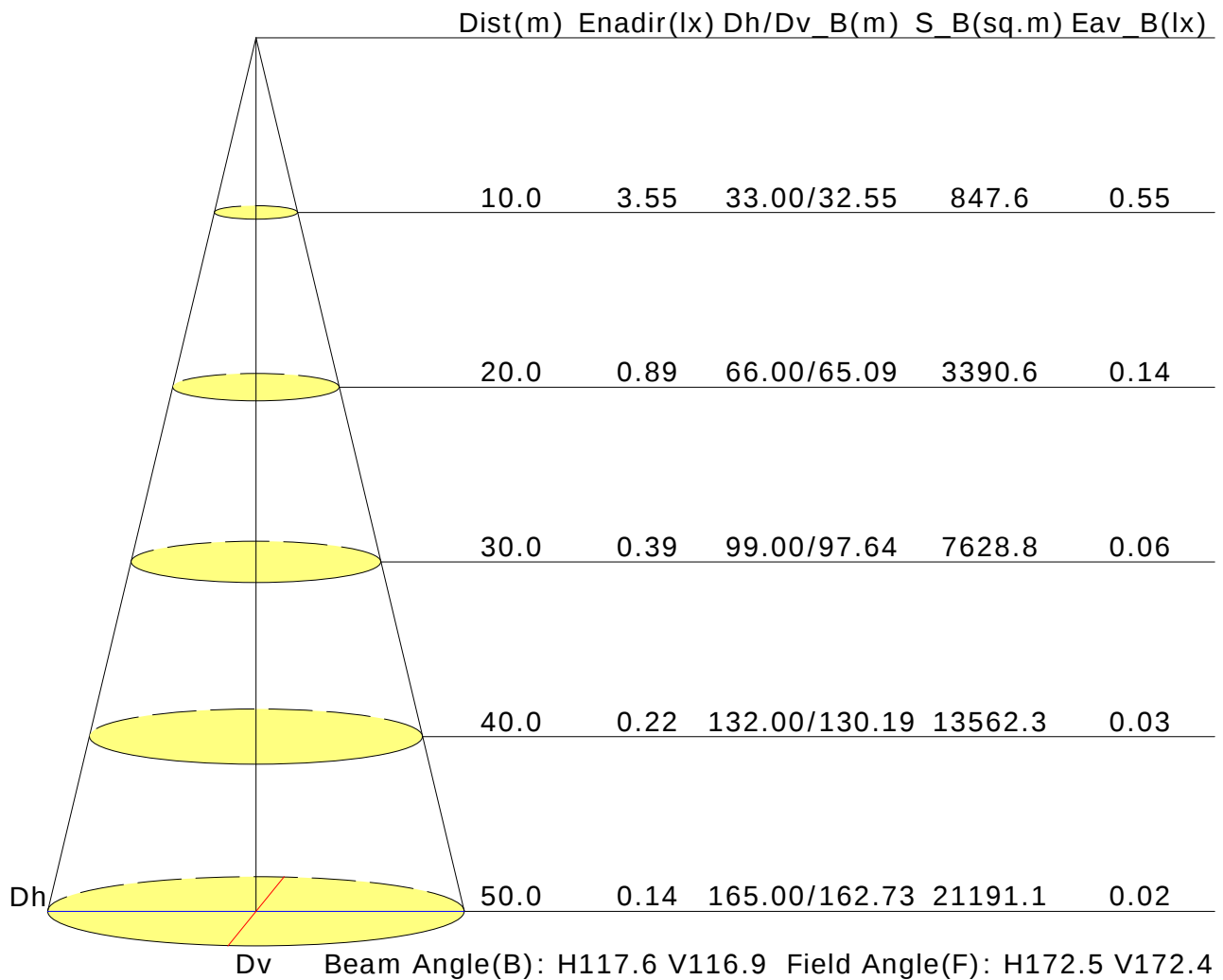
Test Device: GPM-1600L

Distance: 7.344 m

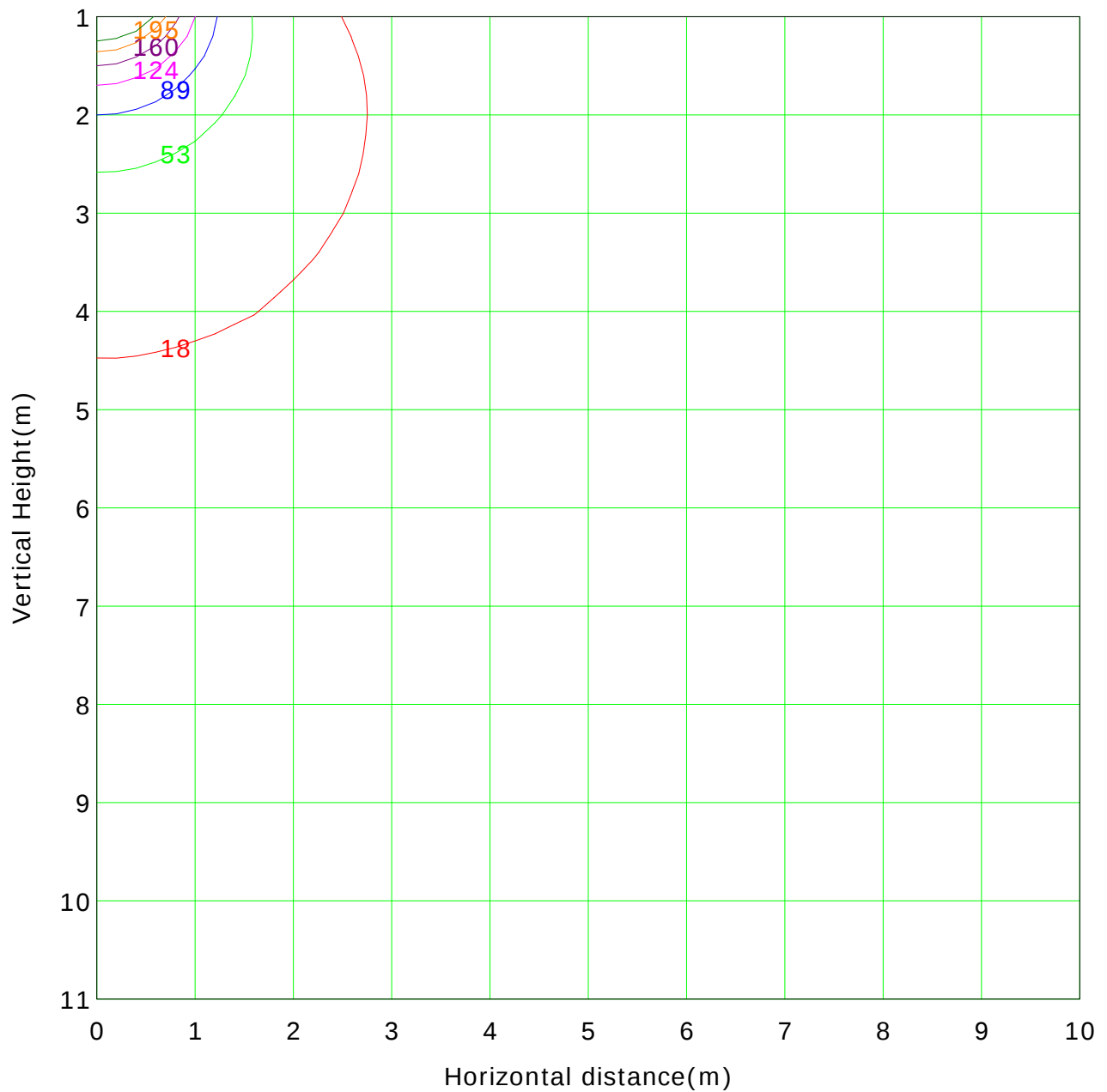
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 354.9 lx

(5%): 17.7 lx	(15%): 53.2 lx
(25%): 88.7 lx	(35%): 124.2 lx
(45%): 159.7 lx	(55%): 195.2 lx
(65%): 230.7 lx	

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Temperature:

Operator: SUSHUNHUA

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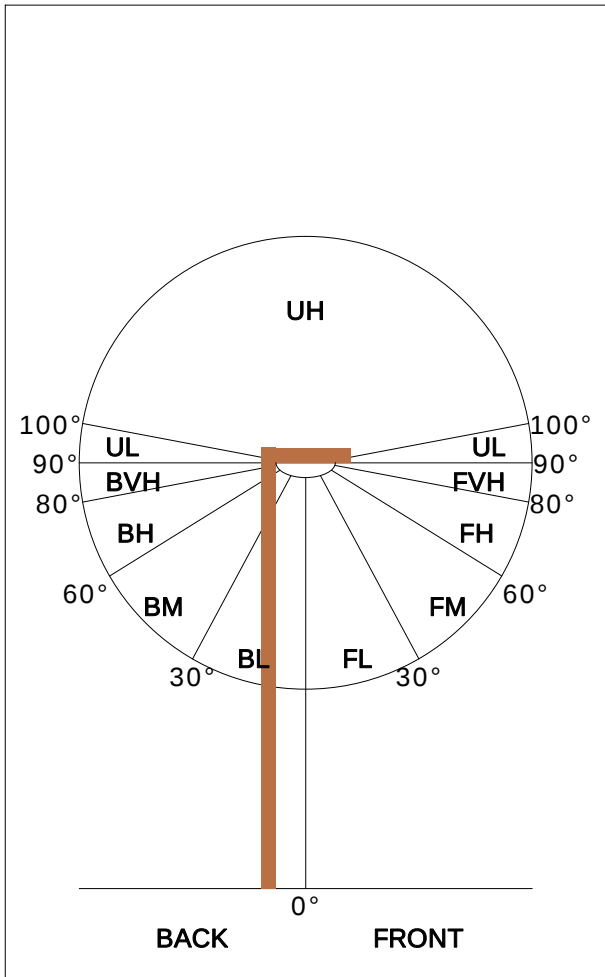
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	556	46.5
	FL (0°-30°)	140	11.7
	FM (30°-60°)	275	23.0
	FH (60°-80°)	118	9.8
	FVH (80°-90°)	23	1.9
	BACK LIGHT	549	45.9
	BL (0°-30°)	139	11.6
	BM (30°-60°)	273	22.8
	BH (60°-80°)	115	9.6
	BVH (80°-90°)	22	1.8
	UP LIGHT	92	7.7
	UL (90°-100°)	22	1.8
	UH (100°-180°)	70	5.8
	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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