

Report No.:

Test Time: 2021-04-15 14:16

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17003-3000K

Lamp Description: 2835

Current: 0.249 A

Power Factor: 0.949

Lamp Catalog: LED

Voltage: 120.0 V

Power: 28.40 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2100.9 lm

Downward Ratio: 90%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 171.8, 171.9, 172.2, 172.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.9, 117.5, 117.4, 117.3

Luminaire Efficacy Rating (LER): 74.03

Max. Intensity: 617.66 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 2100.9 lm

Efficiency: 100%

Upward Ratio: 10%

Central Intensity: 611.37 cd

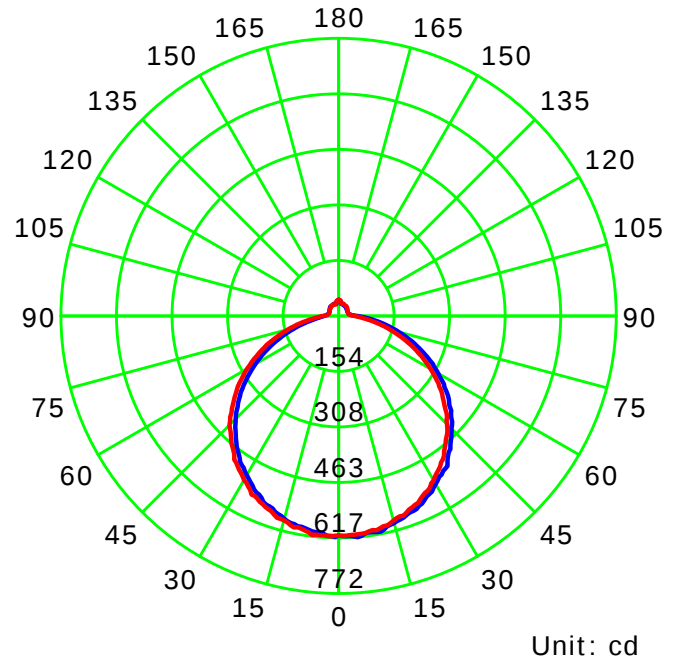
Pos of Max. Intensity: H0 V5

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:

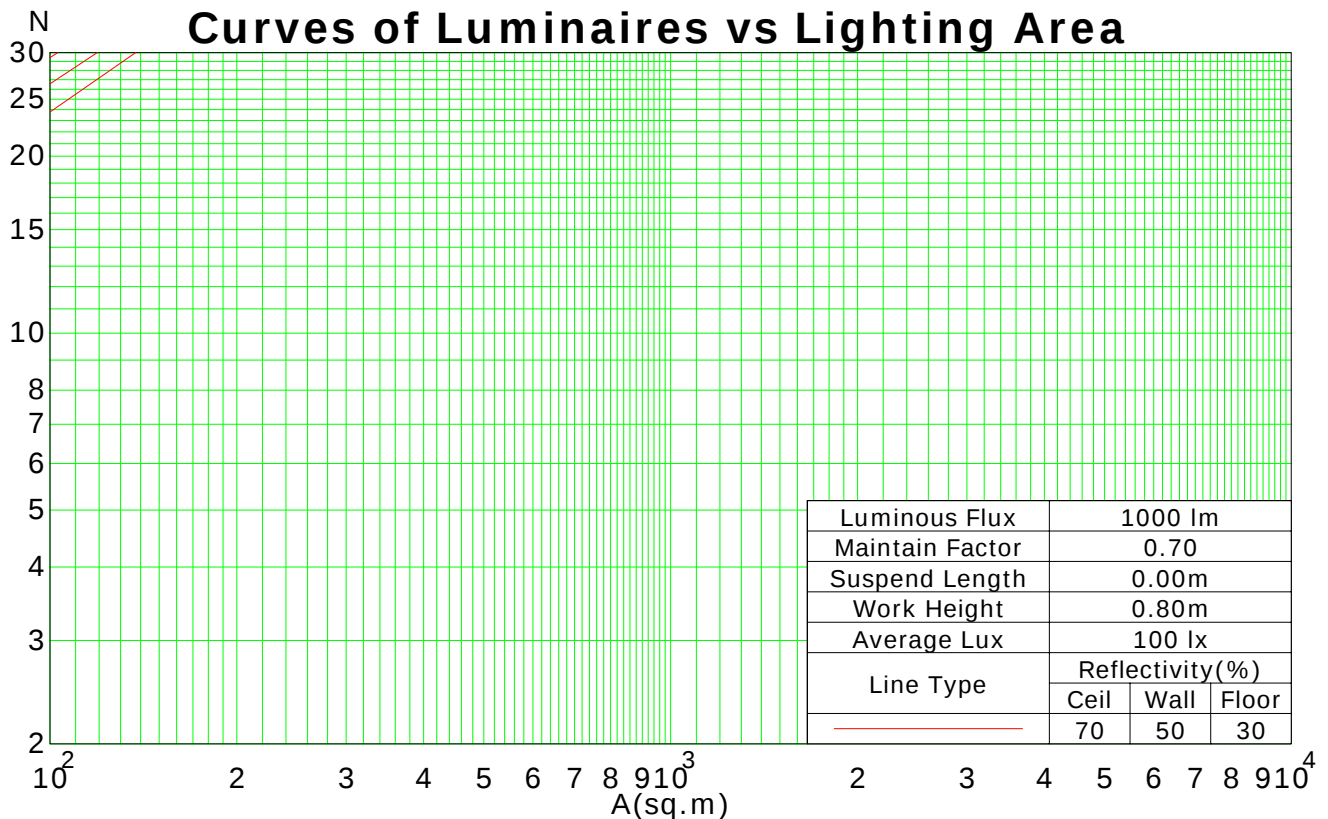
Coefficients Of Utilization - Zonal Cavity Method

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	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	106	100	96	92	102	97	93	89	91	88	85	86	83	80	81	78	76	74
2	96	87	80	74	92	84	78	72	79	74	69	74	70	66	70	66	63	60
3	87	76	68	61	84	74	66	60	69	63	57	65	60	55	61	57	53	50
4	79	67	58	51	76	65	57	50	61	54	49	58	52	47	55	50	45	43
5	73	60	51	44	70	58	50	43	55	47	42	52	45	40	49	44	39	37
6	67	54	45	38	65	52	44	38	49	42	36	47	40	35	44	39	34	32
7	62	49	40	33	60	47	39	33	45	37	32	43	36	31	40	35	30	28
8	58	44	36	30	56	43	35	29	41	34	29	39	33	28	37	31	27	25
9	54	40	32	27	52	40	32	26	38	31	26	36	30	25	34	29	24	23
10	51	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20

Spacing Criteria (0-180): 1.28

Spacing Criteria (90-270): 1.28

Spacing Criteria (Diagonal): 1.40



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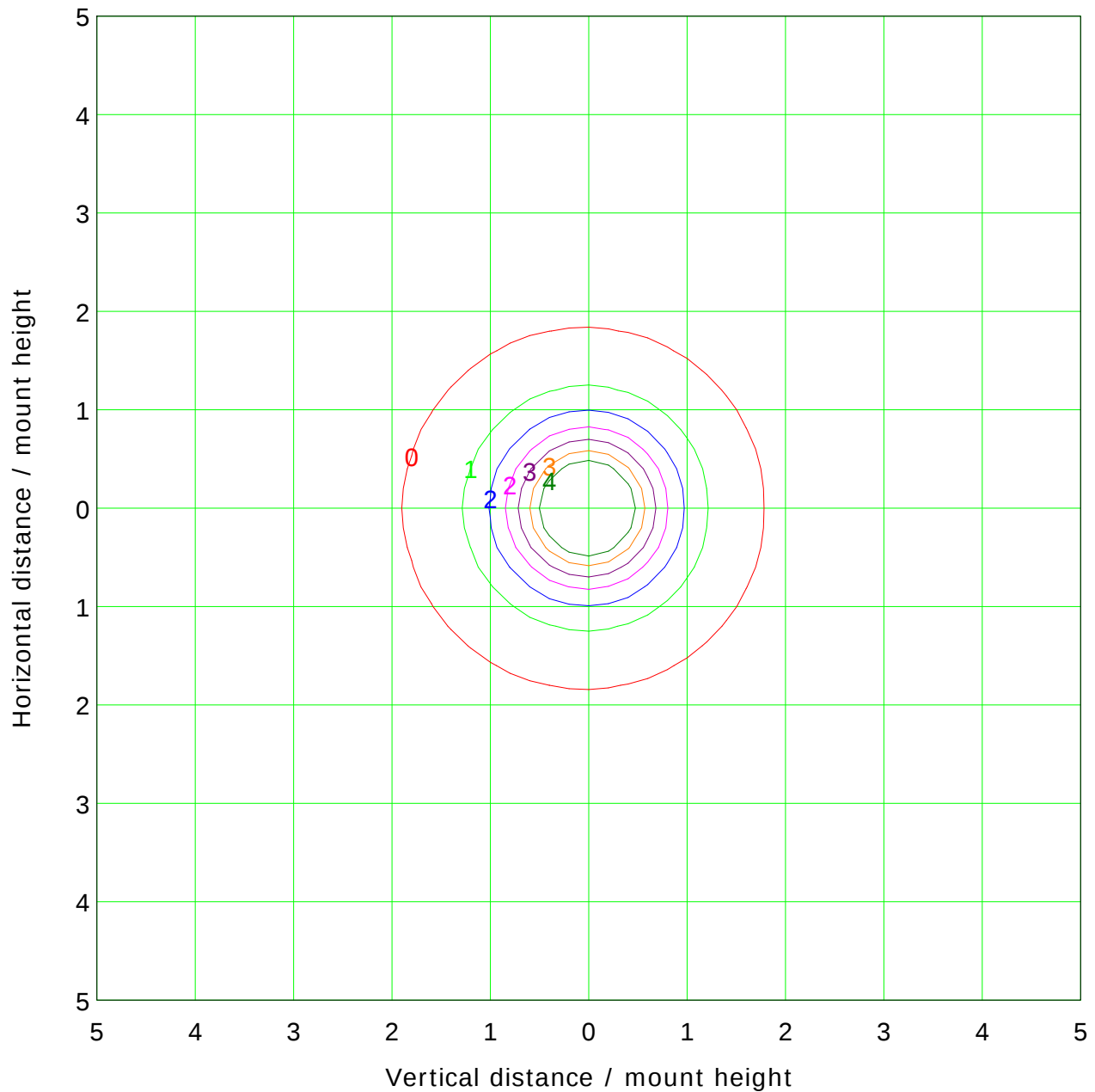
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



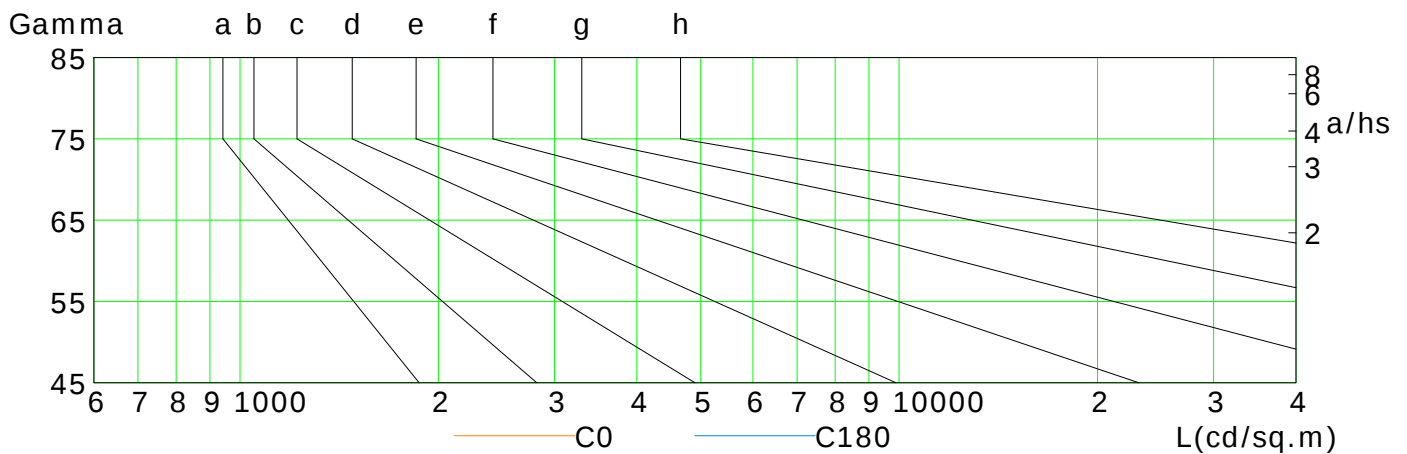
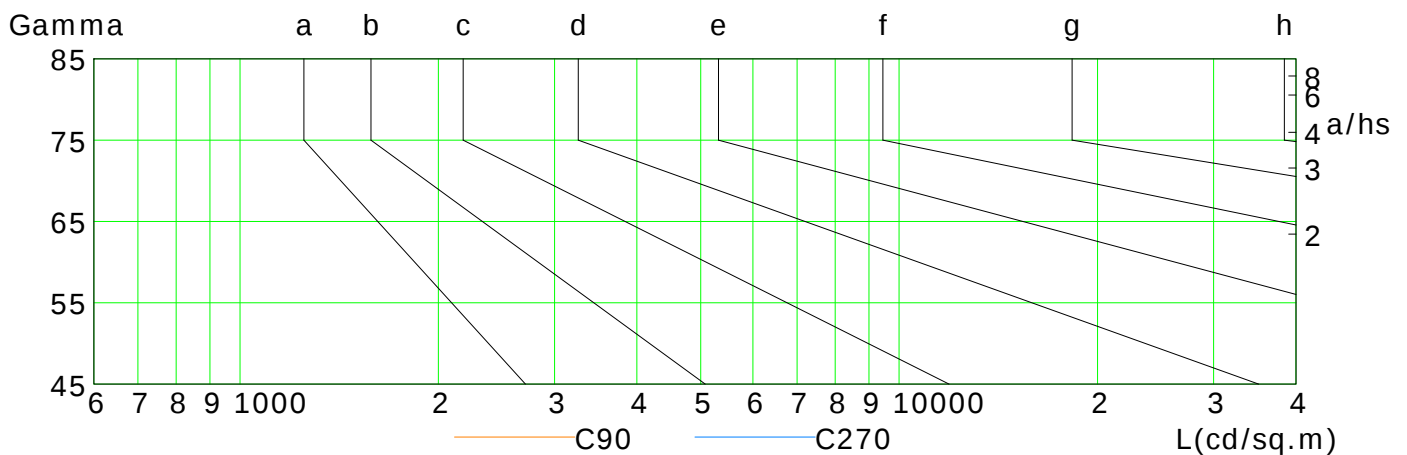
C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
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 Test Device: GPM-1600L
 Distance: 7.344 m
 Humidity:
 Inspector:

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	444	409	366	320	273	224	174	127	85
C90	426	384	341	296	246	197	149	104	68
C180	405	362	316	268	218	169	122	82	54
C270	430	384	343	294	244	194	146	102	66

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Test Lab:

Test Type: TYPE C

Temperature:

Operator: SUSHUNHUA

Gamma Plane (°):0.0-180.0:1.0

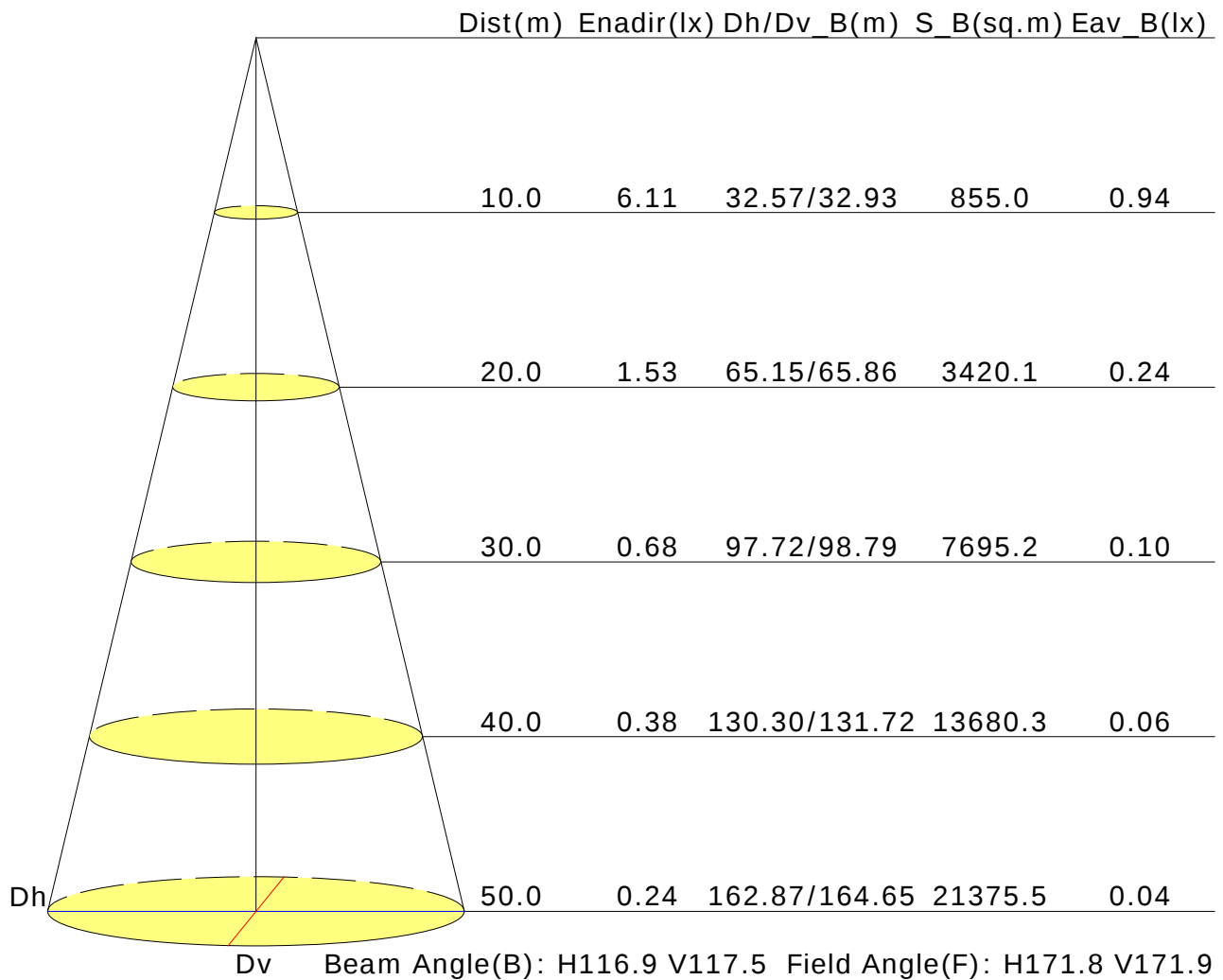
Test Device: GPM-1600L

Distance: 7.344 m

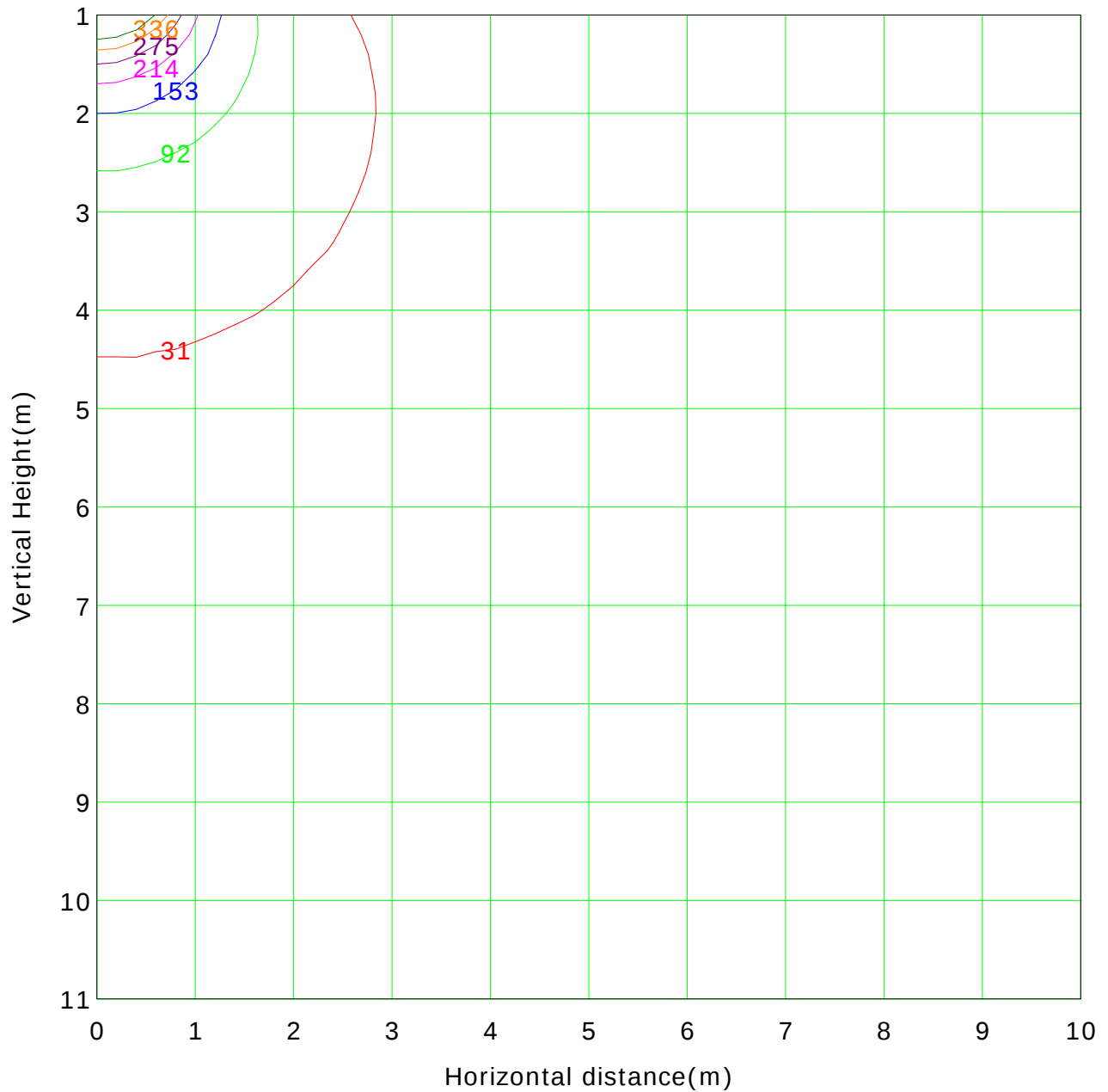
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

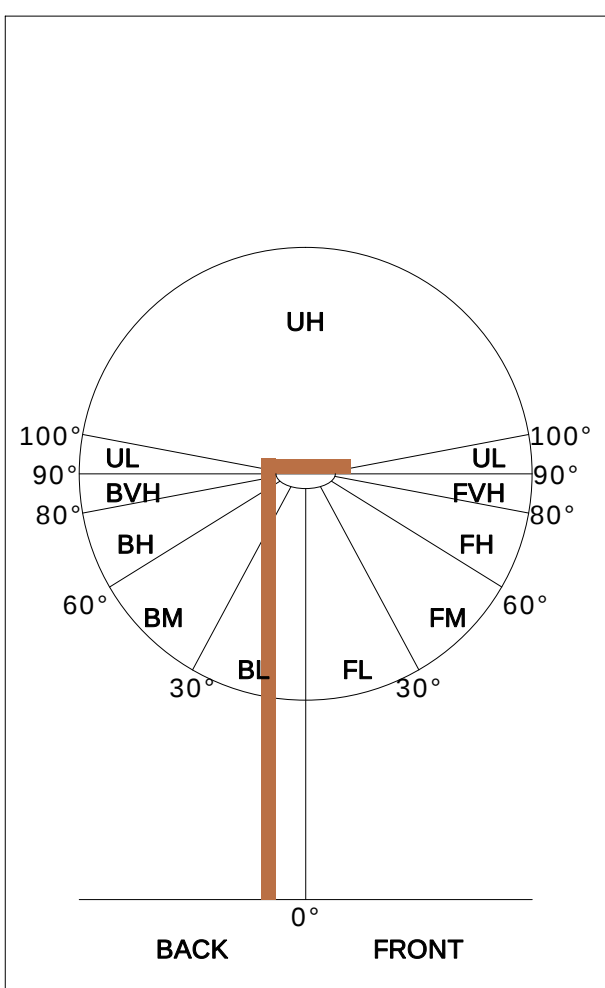


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 611.4 lx
(5%): 30.6 lx	(15%): 91.7 lx	
(25%): 152.8 lx	(35%): 214.0 lx	
(45%): 275.1 lx	(55%): 336.3 lx	
(65%): 397.4 lx		

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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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	951	45.3
	FL (0°-30°)	240	11.4
	FM (30°-60°)	472	22.5
	FH (60°-80°)	200	9.5
	FVH (80°-90°)	39	1.8
	BACK LIGHT	949	45.2
	BL (0°-30°)	240	11.4
	BM (30°-60°)	472	22.5
	BH (60°-80°)	199	9.5
	BVH (80°-90°)	38	1.8
	UP LIGHT	200	9.5
	UL (90°-100°)	39	1.8
	UH (100°-180°)	162	7.7
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

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