

Report No.:

Test Time: 2021-04-12 16:51

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17001-4000K

Lamp Description: 2835

Current: 0.151 A

Power Factor: 0.929

Lamp Catalog: LED

Voltage: 119.9 V

Power: 16.79 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1309 lm

Downward Ratio: 92%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 170.7, 170.7, 170.7, 170.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.8, 116.6, 116.8, 116.7

Luminaire Efficacy Rating (LER): 78.01

Max. Intensity: 394.65 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 1309.0 lm

Efficiency: 100%

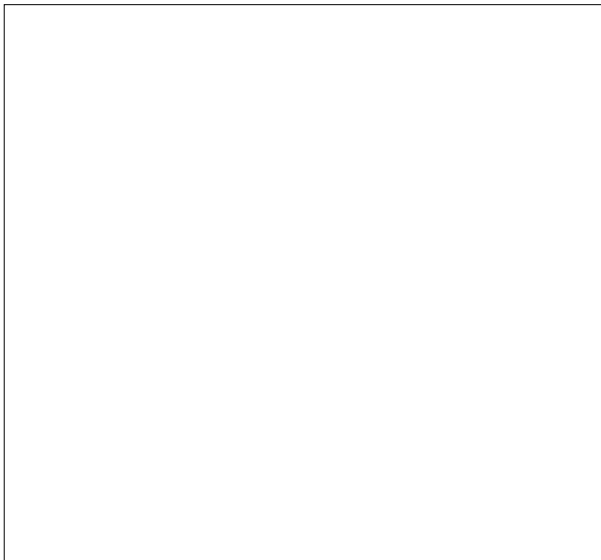
Upward Ratio: 8%

Central Intensity: 393.36 cd

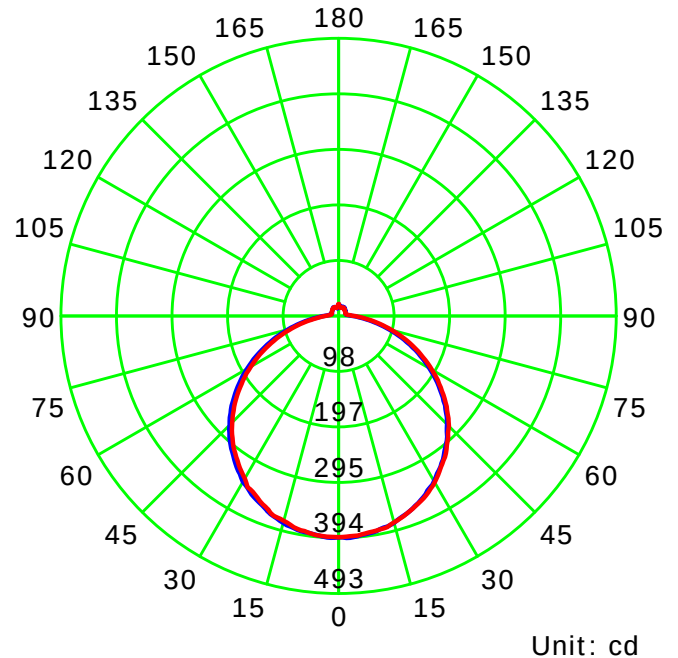
Pos of Max. Intensity: H0 V3

S/MH(C90/C270): 1.27

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:

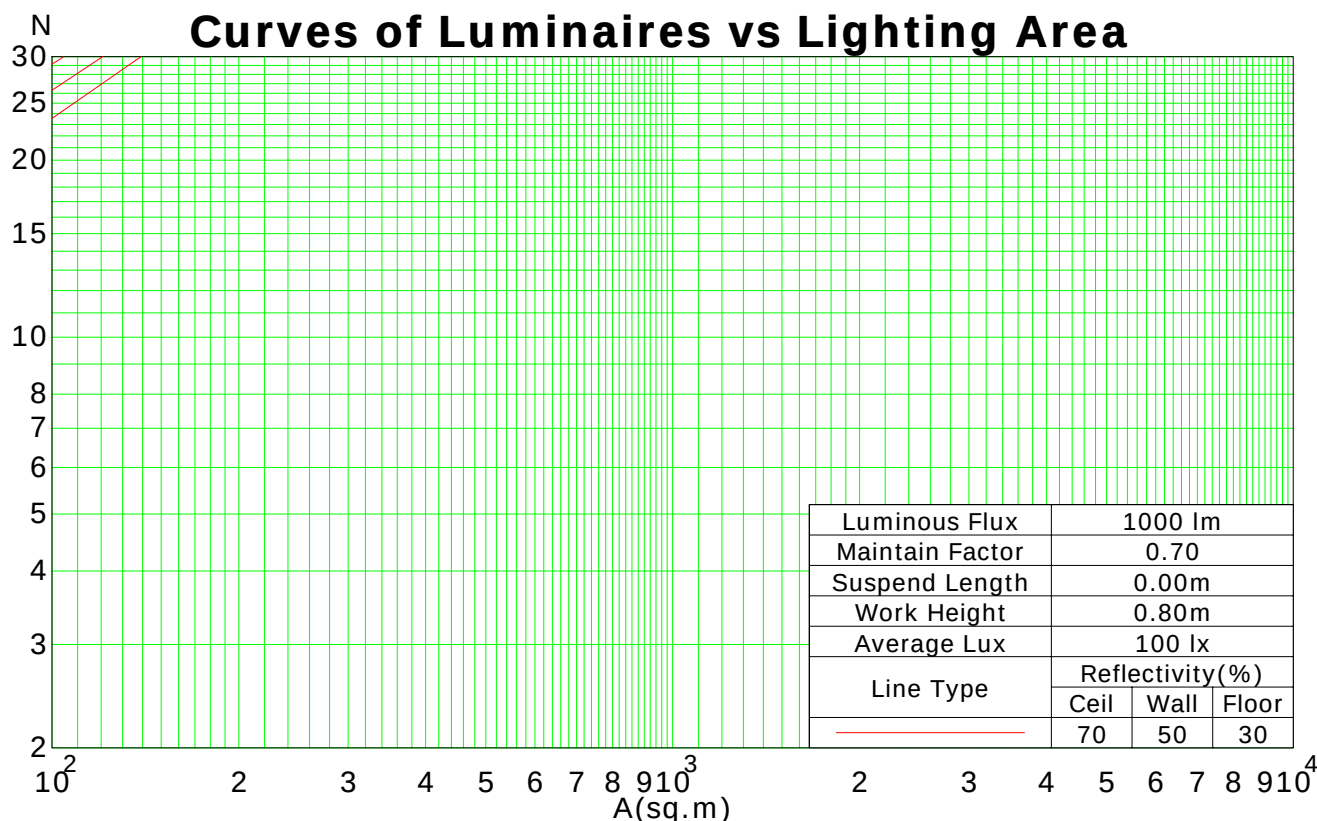
Coefficients Of Utilization - Zonal Cavity Method

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	103	98	94	90	92	89	86	87	84	82	82	80	78	75
2	96	87	80	74	93	85	78	73	80	75	70	76	71	67	72	68	65	62
3	87	76	68	61	84	74	67	60	70	64	58	66	61	56	63	58	54	52
4	80	68	59	52	77	66	57	51	62	55	49	59	53	48	56	51	46	44
5	73	60	51	44	71	59	50	44	56	48	42	53	46	41	50	45	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	45	40	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	41	36	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	28	38	32	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23
10	51	38	30	24	49	37	29	24	35	28	24	34	28	23	33	27	23	21

Spacing Criteria (0-180): 1.28

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.40



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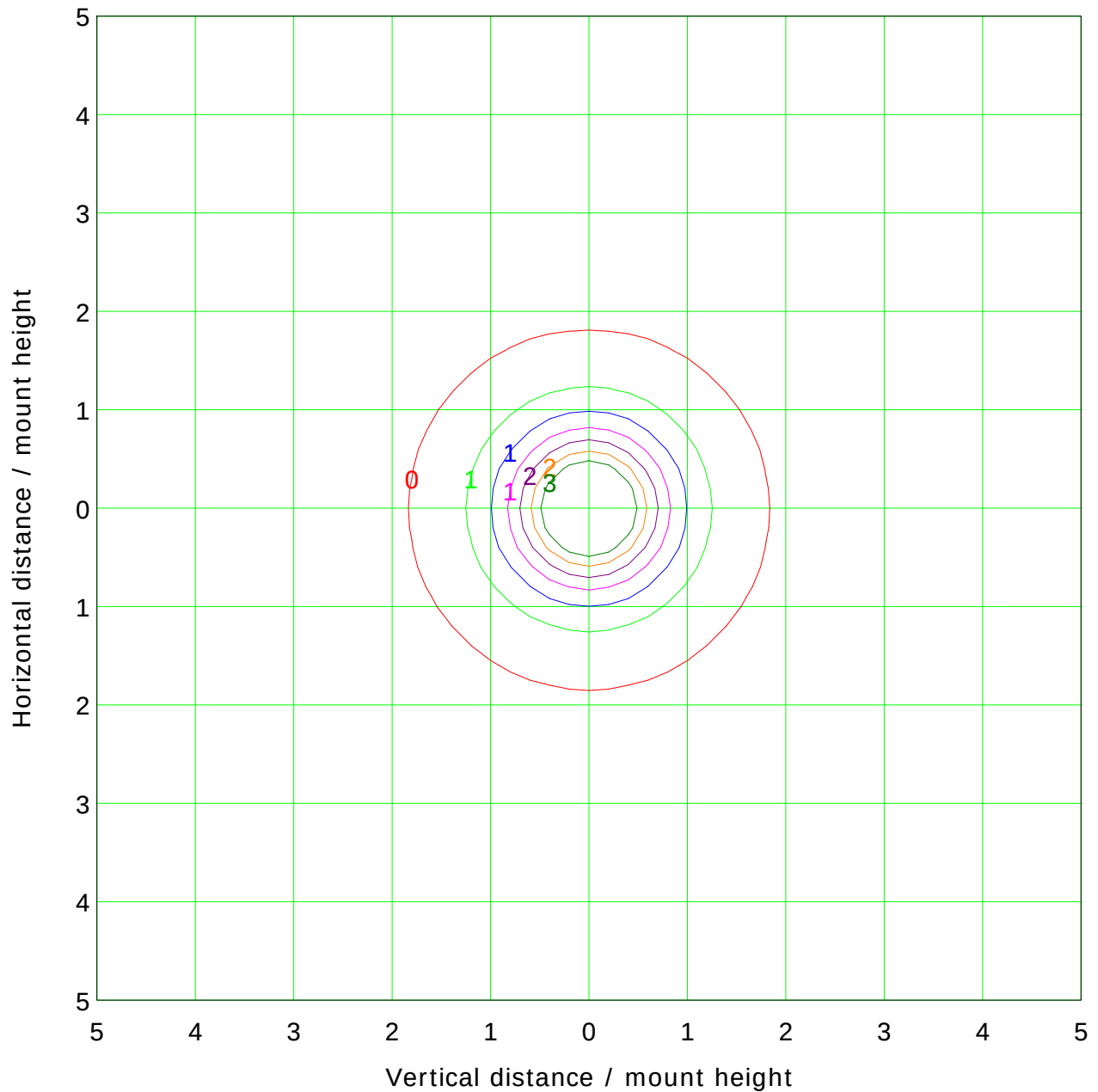
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



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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

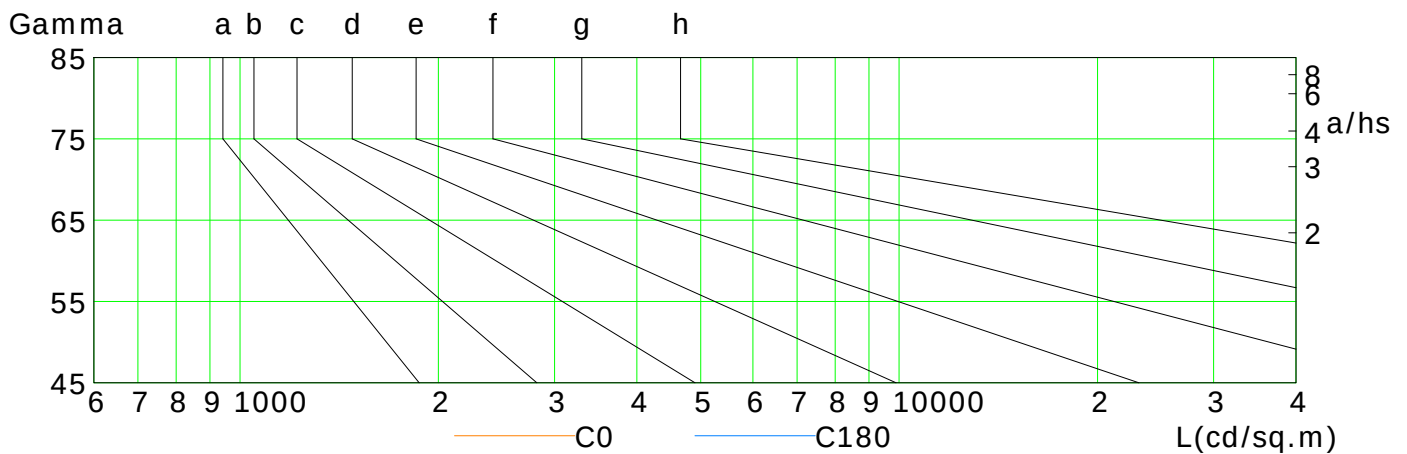
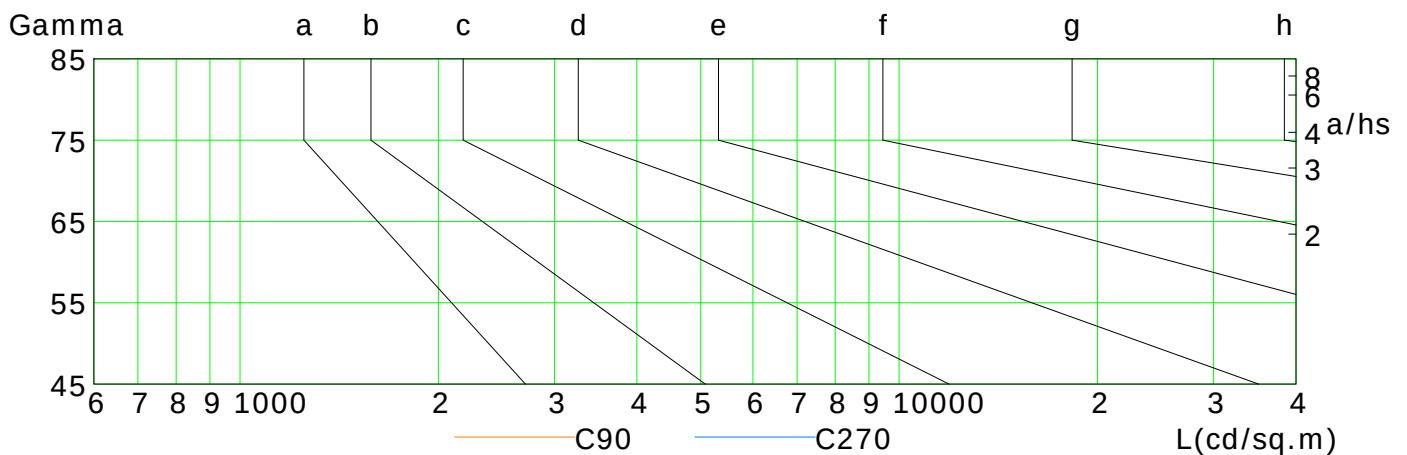
Humidity:

Inspector:

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	272	247	217	186	156	124	93	64	41
C90	277	251	222	192	161	130	98	69	45
C180	274	248	219	188	156	125	93	65	41
C270	268	241	211	180	149	117	87	59	37

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Test Type: TYPE C

Temperature:

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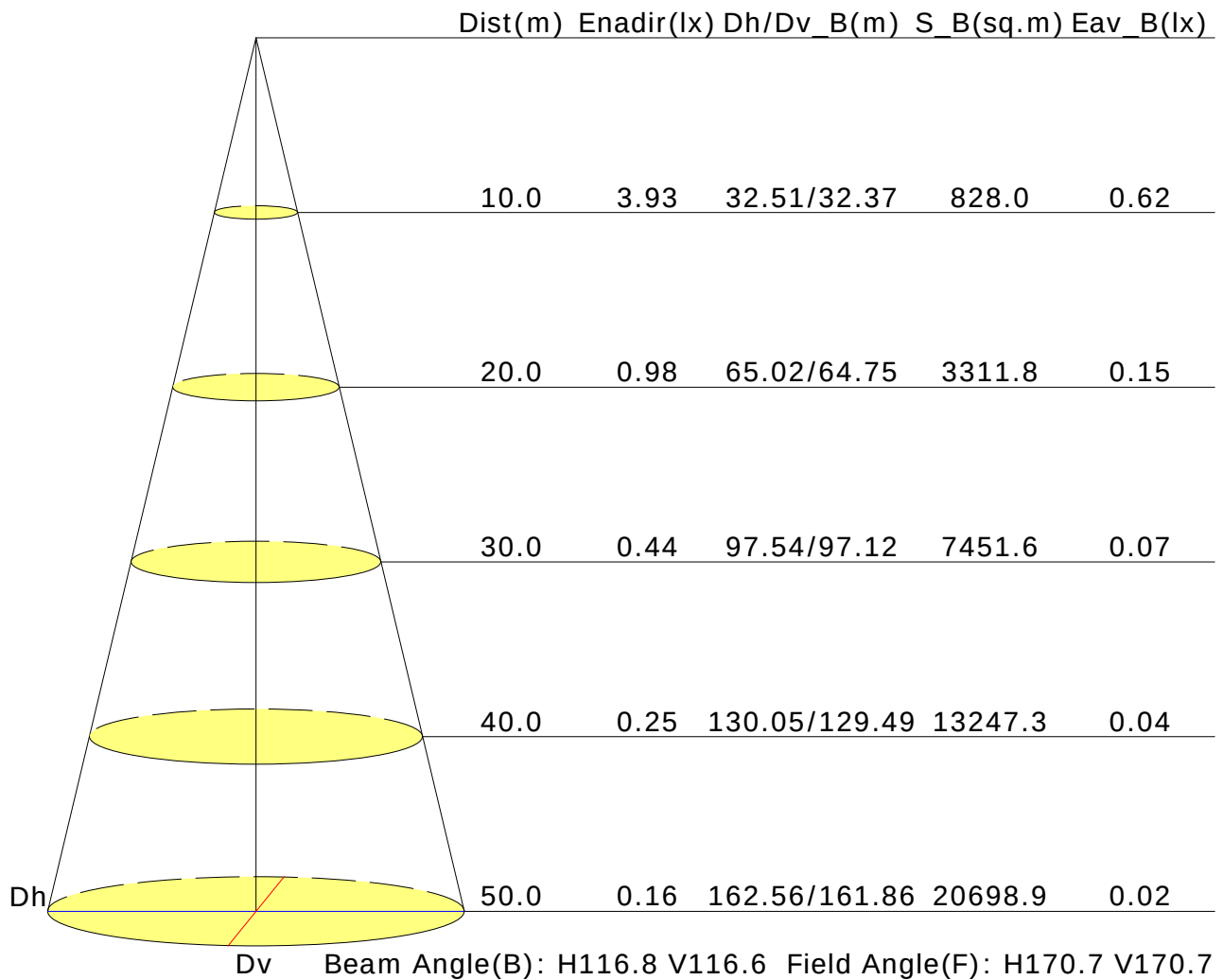
Test Device: GPM-1600L

Distance: 7.344 m

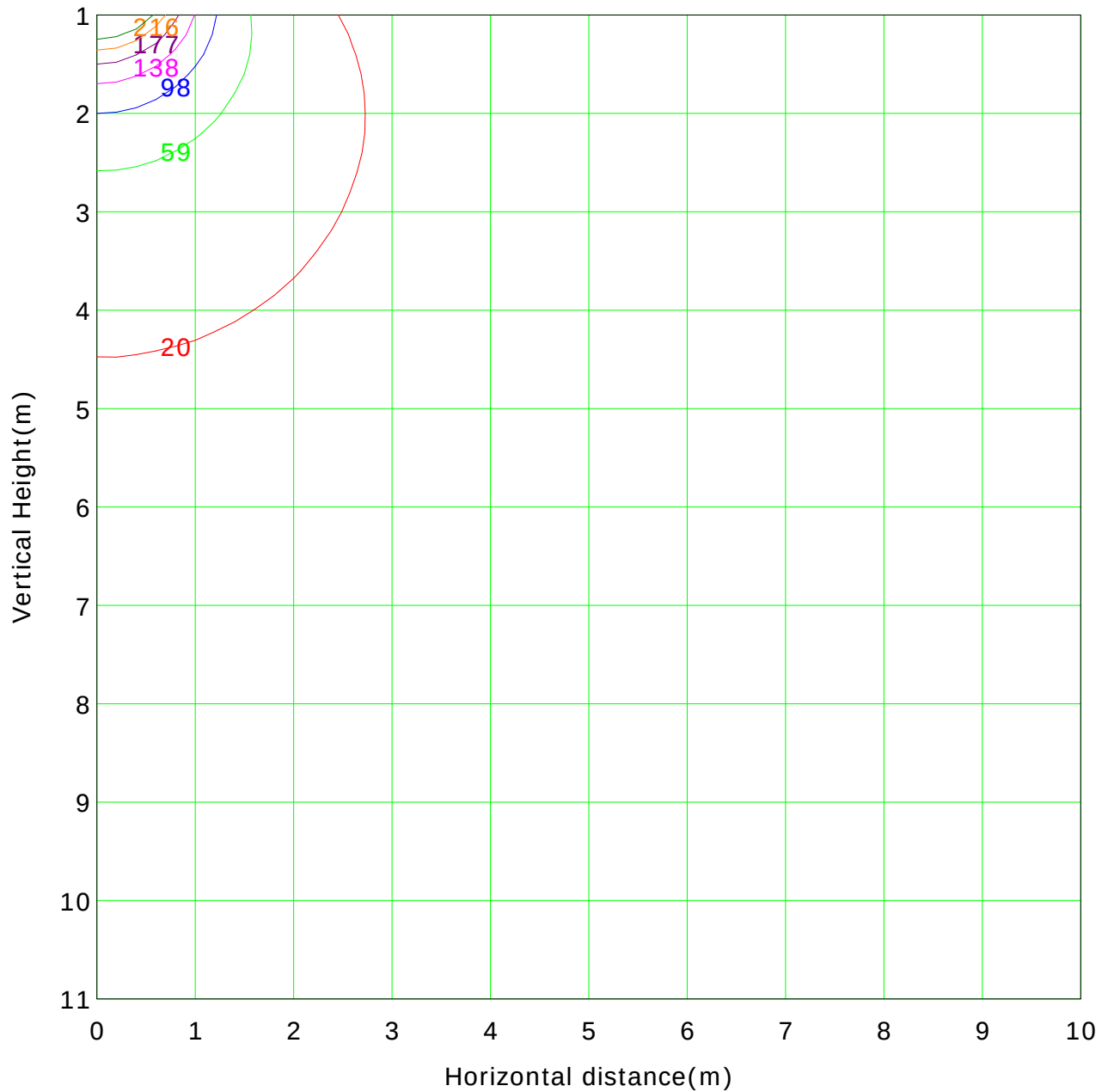
Humidity:

Inspector:

Illuminance at a Distance



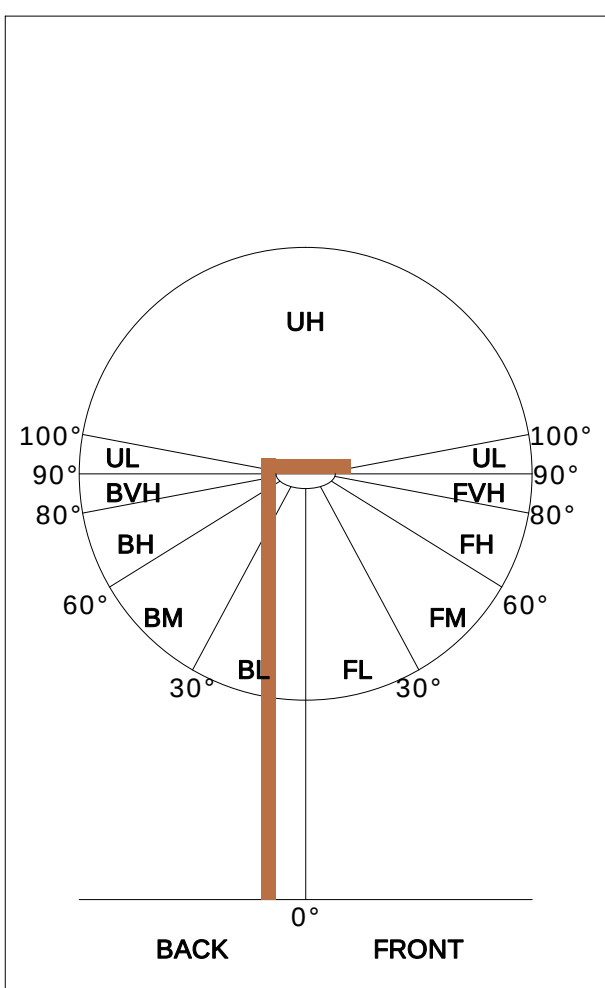
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 393.4 lx

(5%): 19.7 lx	(15%): 59.0 lx
(25%): 98.3 lx	(35%): 137.7 lx
(45%): 177.0 lx	(55%): 216.3 lx
(65%): 255.7 lx	

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	612	46.8
	FL (0°-30°)	154	11.8
	FM (30°-60°)	305	23.3
	FH (60°-80°)	129	9.9
	FVH (80°-90°)	24	1.8
	BACK LIGHT	598	45.7
	BL (0°-30°)	154	11.7
	BM (30°-60°)	299	22.9
	BH (60°-80°)	123	9.4
	BVH (80°-90°)	22	1.7
	UP LIGHT	99	7.5
	UL (90°-100°)	21	1.6
	UH (100°-180°)	78	6.0
	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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