

Report No.:

Test Time: 2021-04-16 15:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A17034-3000K

Lamp Description: 2835

Current: 0.202 A

Power Factor: 0.930

Lamp Catalog: LED

Voltage: 120.0 V

Power: 22.52 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1702.9 lm

Downward Ratio: 96%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.0, 164.2, 164.1, 164.1

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

Luminaire Efficacy Rating (LER): 75.67

Max. Intensity: 560.66 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 1702.9 lm

Efficiency: 100%

Upward Ratio: 4%

Central Intensity: 560.66 cd

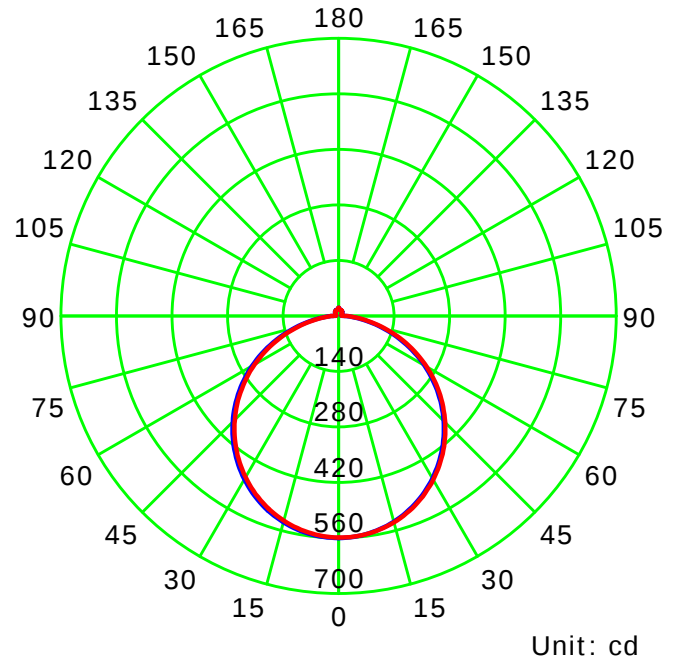
Pos of Max. Intensity: H0 V0

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:

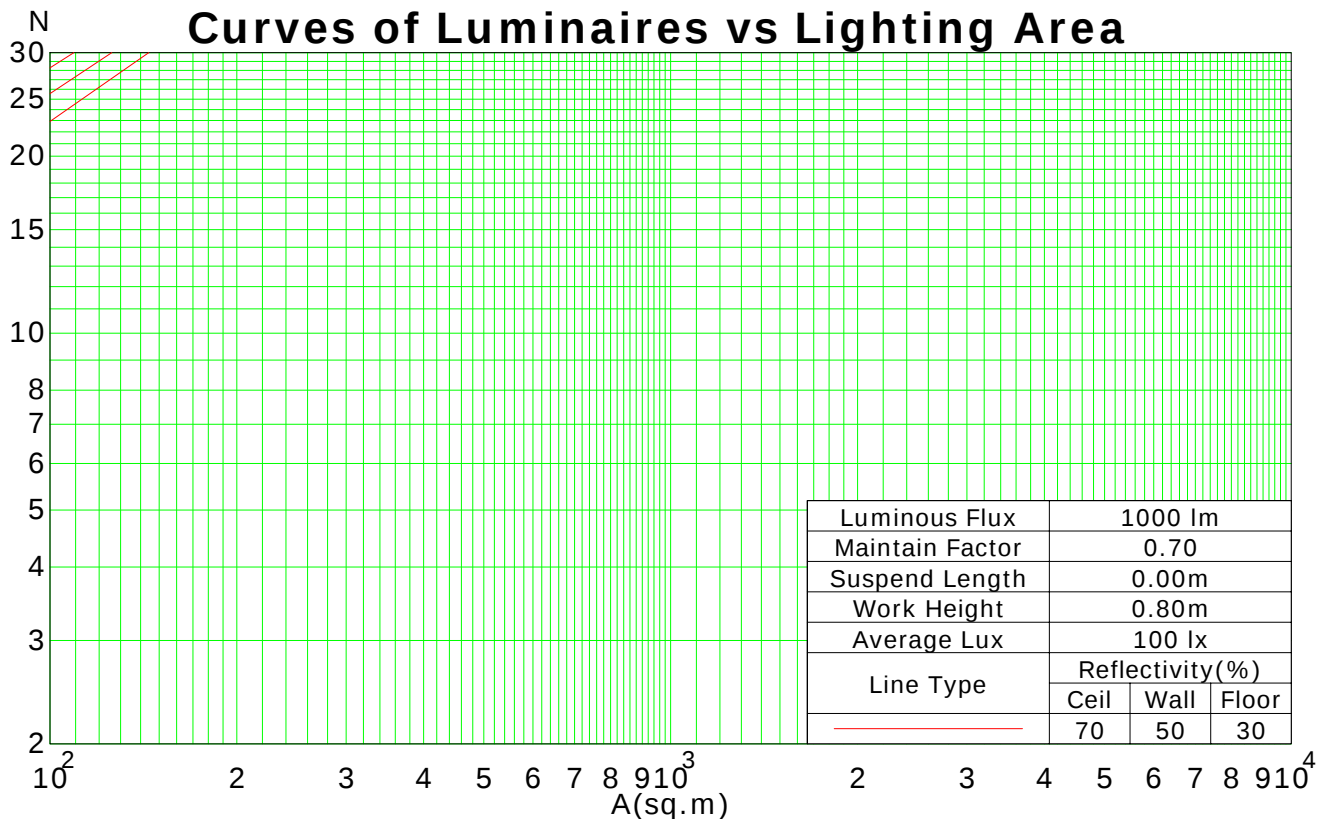
Coefficients Of Utilization - Zonal Cavity Method

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	109	109	109	103	103	103	98	98	98	96
1	107	102	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	79
2	98	89	82	76	94	87	80	75	83	77	73	79	74	70	75	71	68	66
3	89	78	70	63	86	76	69	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	55	50	59	54	49	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	47	43	41
6	69	55	46	40	67	54	46	40	52	45	39	50	43	38	48	42	38	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	58	45	37	31	43	36	31	42	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	36	29	25	34	29	24	23

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.38



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

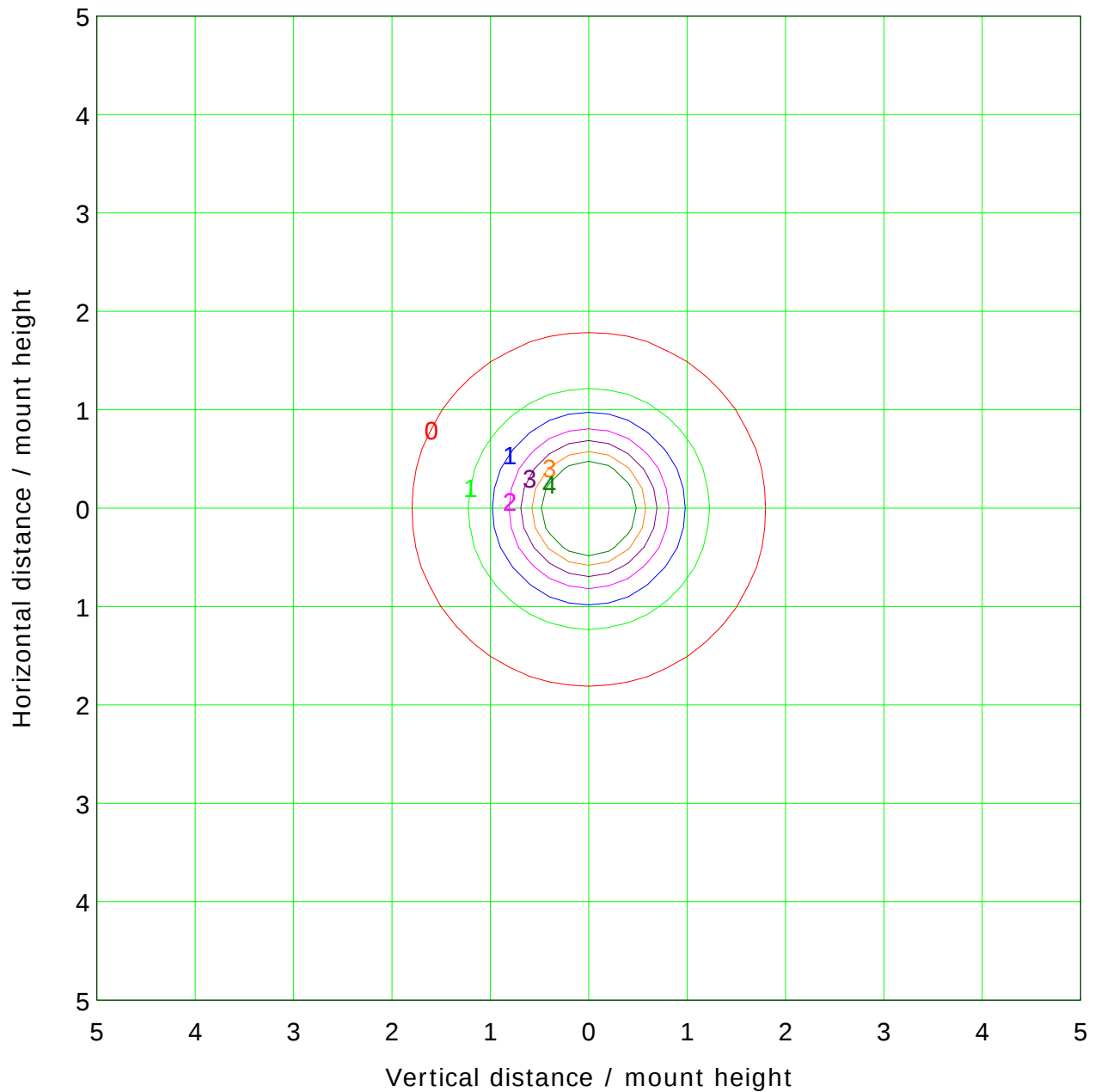
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 5.6 lx	
— (5%):	0.3 lx	— (15%):	0.8 lx
— (25%):	1.4 lx	— (35%):	2.0 lx
— (45%):	2.5 lx	— (55%):	3.1 lx
— (65%):	3.6 lx		

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

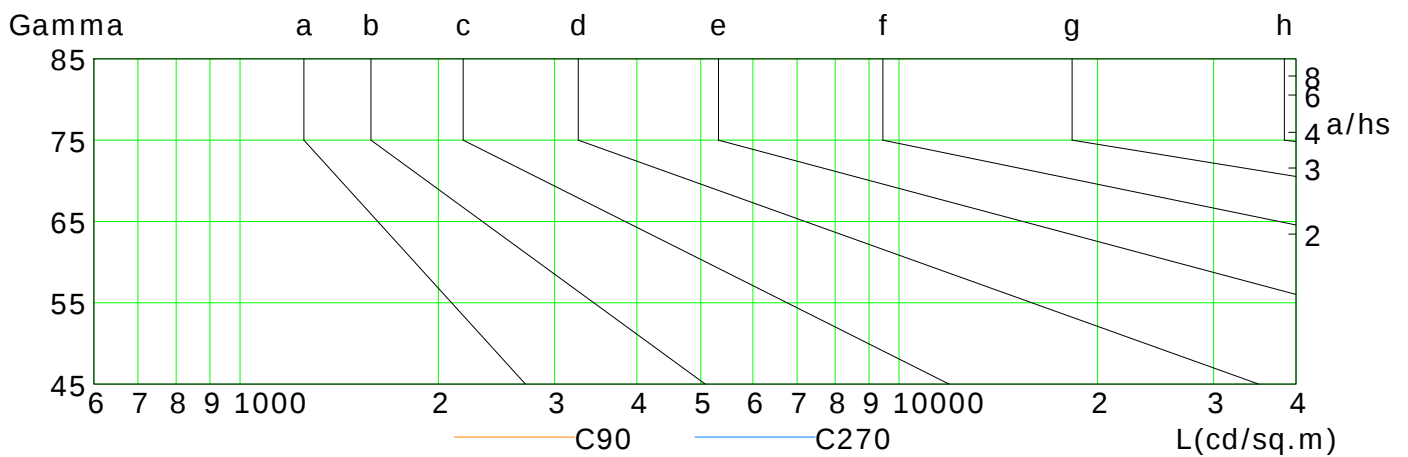
Humidity:

Inspector:

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	375	336	294	250	205	158	113	71	37
C90	381	342	300	257	211	165	120	77	42
C180	378	339	297	253	207	159	113	71	37
C270	371	332	289	245	199	152	107	65	34

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

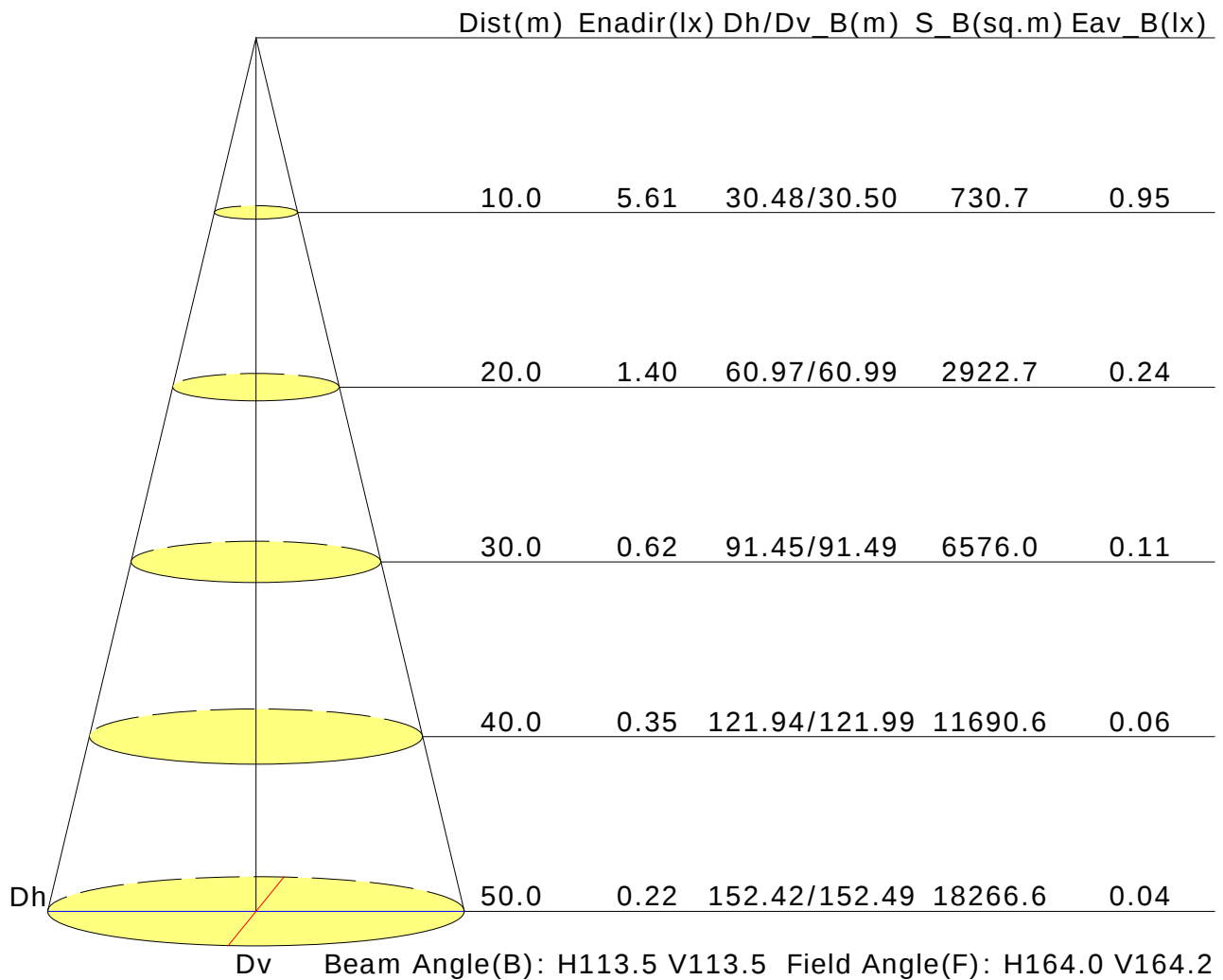
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

Illuminance at a Distance



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

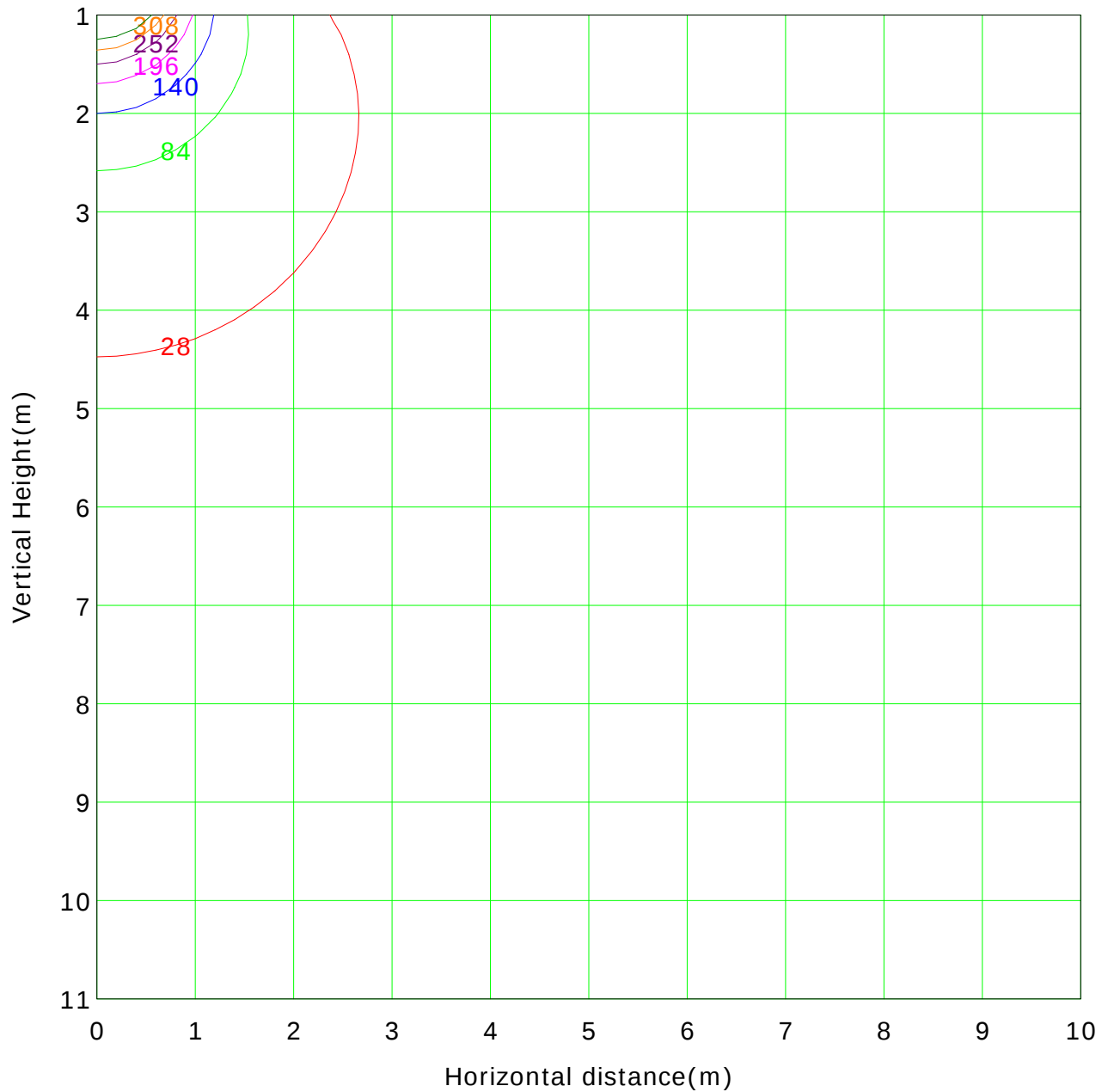
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 560.7 lx

(5%): 28.0 lx

(15%): 84.1 lx

(25%): 140.2 lx

(35%): 196.2 lx

(45%): 252.3 lx

(55%): 308.4 lx

(65%): 364.4 lx

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

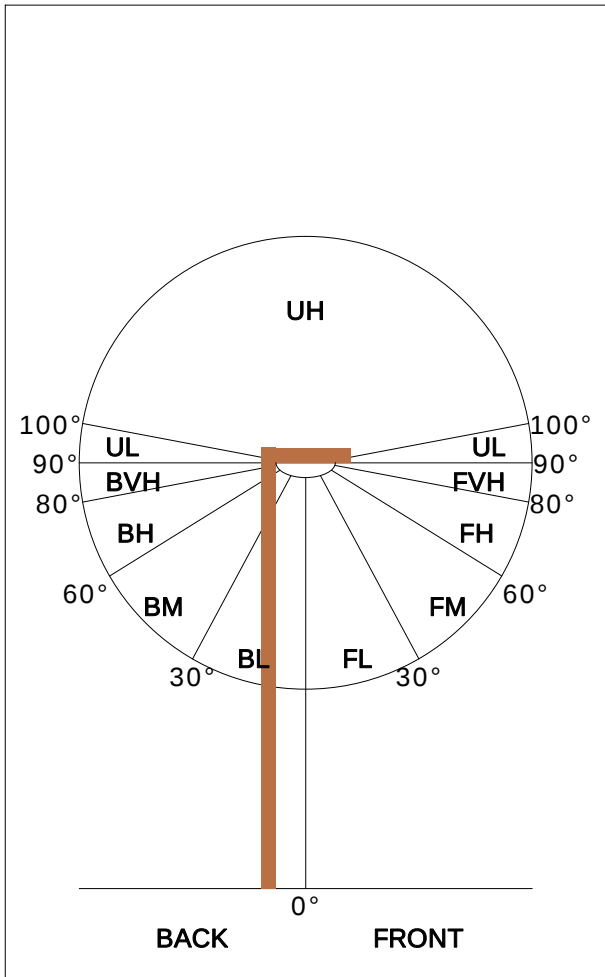
Test Device: GPM-1600L

Distance: 7.344 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	825	48.4
	FL (0°-30°)	218	12.8
	FM (30°-60°)	419	24.6
	FH (60°-80°)	165	9.7
	FVH (80°-90°)	23	1.3
	BACK LIGHT	809	47.5
	BL (0°-30°)	217	12.7
	BM (30°-60°)	413	24.3
	BH (60°-80°)	158	9.3
	BVH (80°-90°)	21	1.2
	UP LIGHT	69	4.1
	UL (90°-100°)	10	0.6
	UH (100°-180°)	59	3.5
	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

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: