

Report No.:

Test Time: 2014-12-20 11:44

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: PLASTER 3003

Lamp Description: CREE XB-D

Lumens per Lamp: 62.58 lm

Luminous Width (mm): 45

Voltage: 0.0 V

Power: 0.00 W

Lamp Catalog: LED

Number of Lamps: 1

Luminous Length (mm): 166

Luminous Height (mm): 38

Current: 0.000 A

Power Factor: 0.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 53.4 lm

Downward Ratio: 85.24%

Horizontal Diffuse Angle(50%): H121.9

Vertical Diffuse Angle(50%): V132

Luminaire Efficacy Rating (LER): 53

Max. Intensity: 165.48 cd

Total Rated Lamp Lumens: 62.6 lm

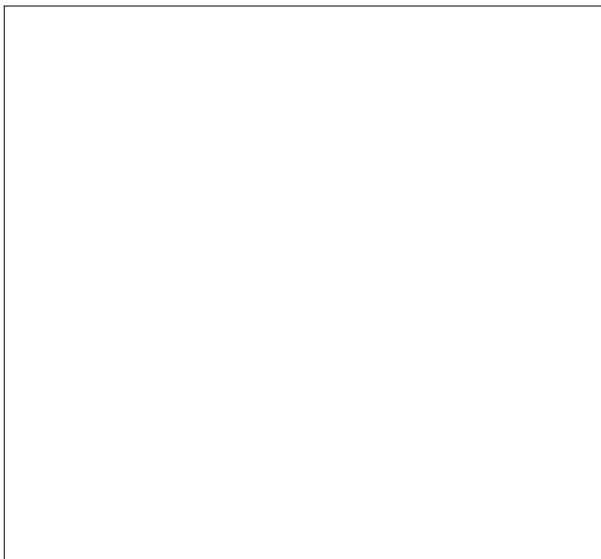
Efficiency: 85.24%

Upward Ratio: 0.00%

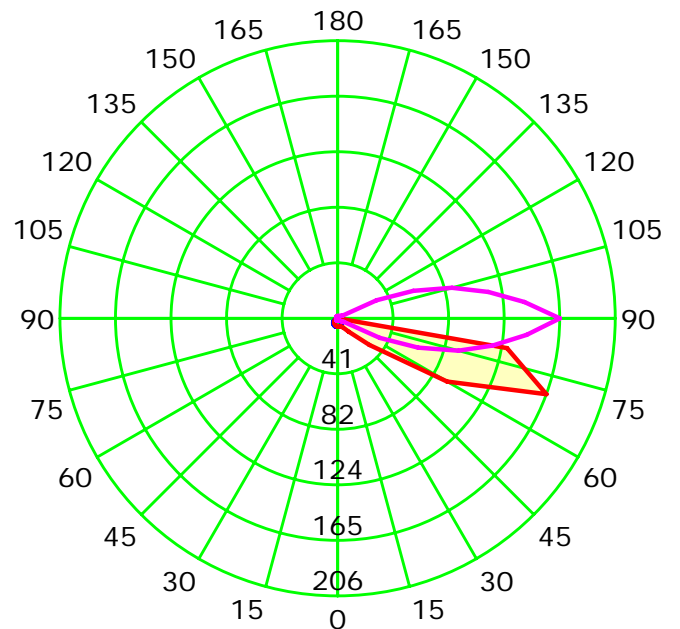
Central Intensity: 6.25 cd

Pos of Max. Intensity: H90 V70

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G70

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-90.0: 10.0

Test Device: GPM-1600L

Distance: 8.955 m

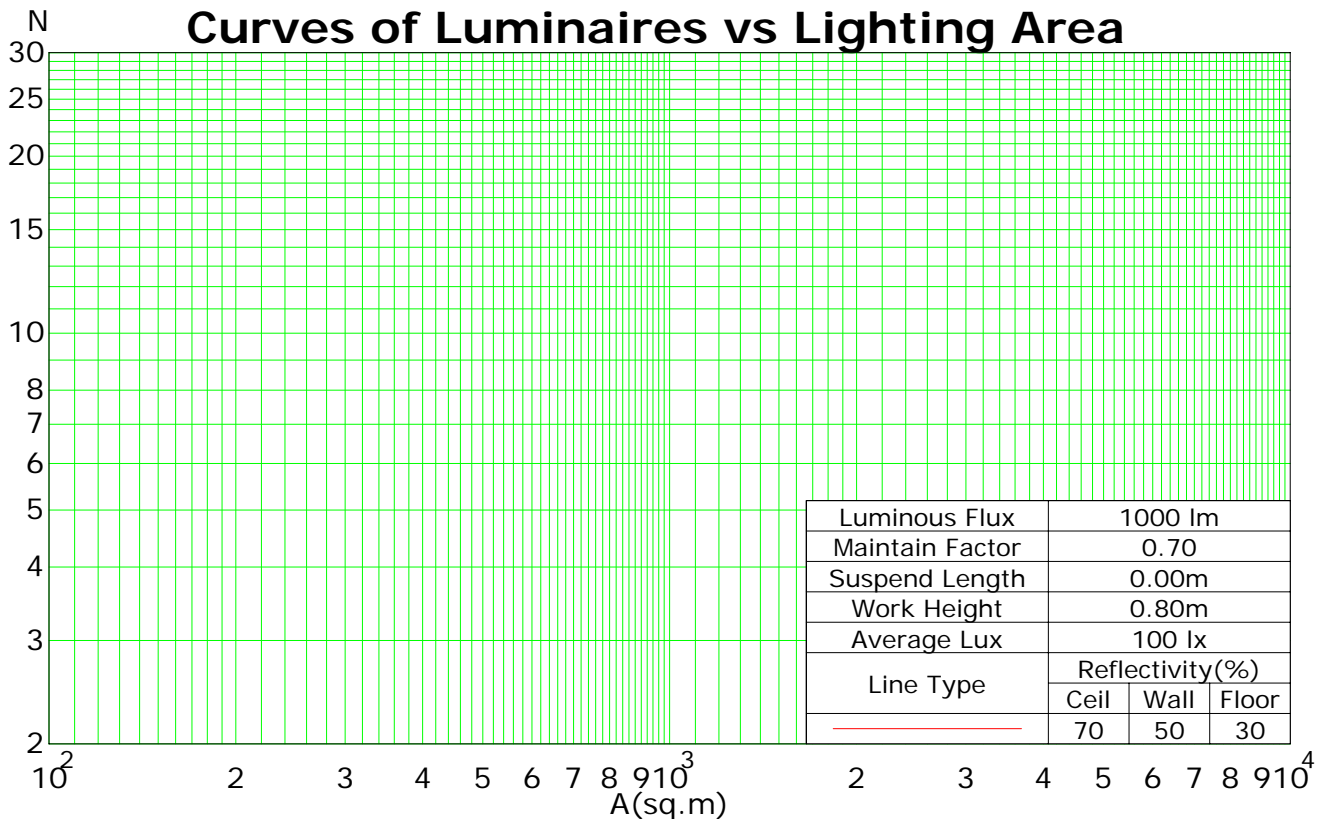
Humidity: 60

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
RCCR	RF = 0.2																	
0	102	102	102	102	99	99	99	99	95	95	95	91	91	91	87	87	87	85
1	87	81	75	69	84	78	73	68	75	70	66	71	67	64	68	65	62	60
2	75	65	56	49	73	63	55	48	60	53	47	57	51	46	54	49	45	42
3	66	54	44	36	64	52	43	36	49	41	35	47	40	34	44	38	34	31
4	59	45	35	28	57	44	35	28	42	34	27	40	32	27	37	31	26	24
5	53	39	29	22	51	38	29	22	36	28	22	34	27	21	33	26	21	19
6	49	35	25	18	47	34	25	18	32	24	18	30	23	18	29	22	17	15
7	45	31	22	15	43	30	21	15	29	21	15	27	20	15	26	20	15	13
8	42	28	19	13	40	27	19	13	26	18	13	25	18	13	24	17	13	11
9	39	25	17	12	37	25	17	11	24	16	11	23	16	11	22	16	11	9
10	36	23	15	10	35	23	15	10	22	15	10	21	14	10	20	14	10	8

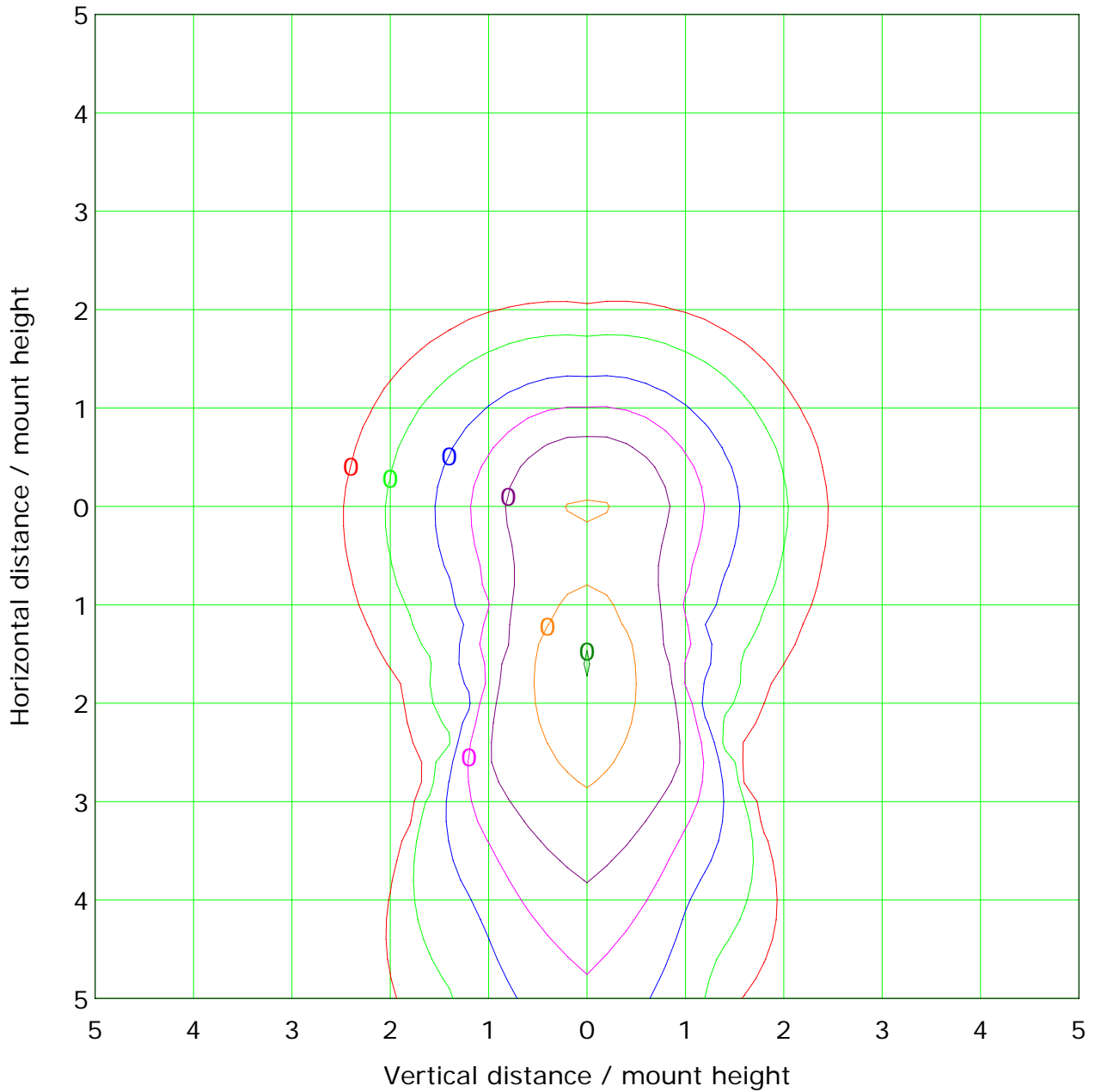
Spacing Criteria (0-180): 1.36  
 Spacing Criteria (90-270): 5.65  
 Spacing Criteria (Diagonal): 1.59



C Plane (°): 0.0-360.0: 15.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator:

Gamma Plane (°): 0.0-90.0: 10.0  
 Test Device: GPM-1600L  
 Distance: 8.955 m  
 Humidity: 60  
 Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 0.1 lx

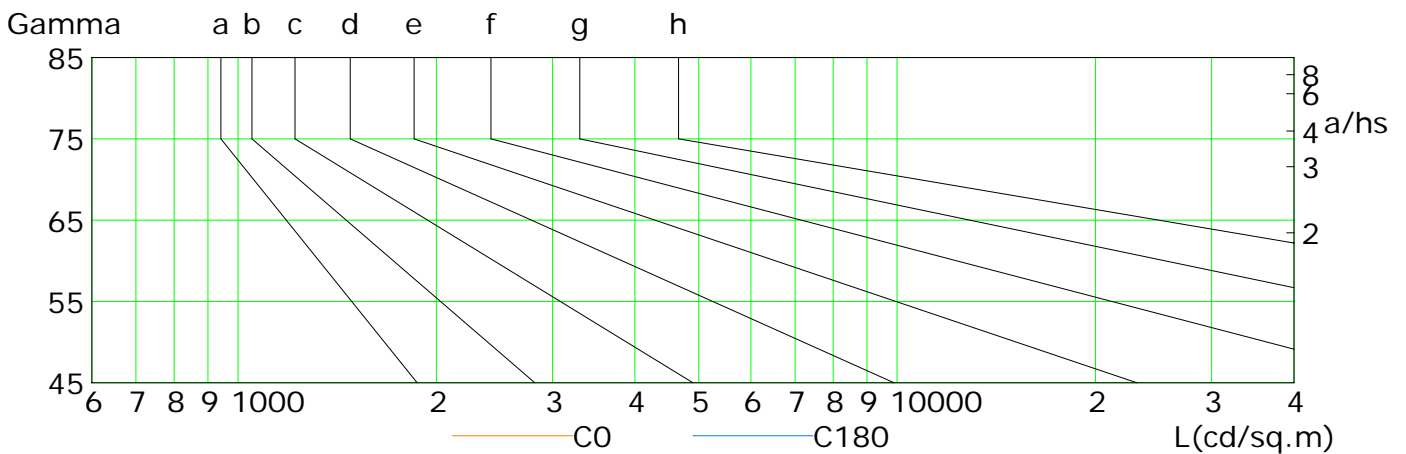
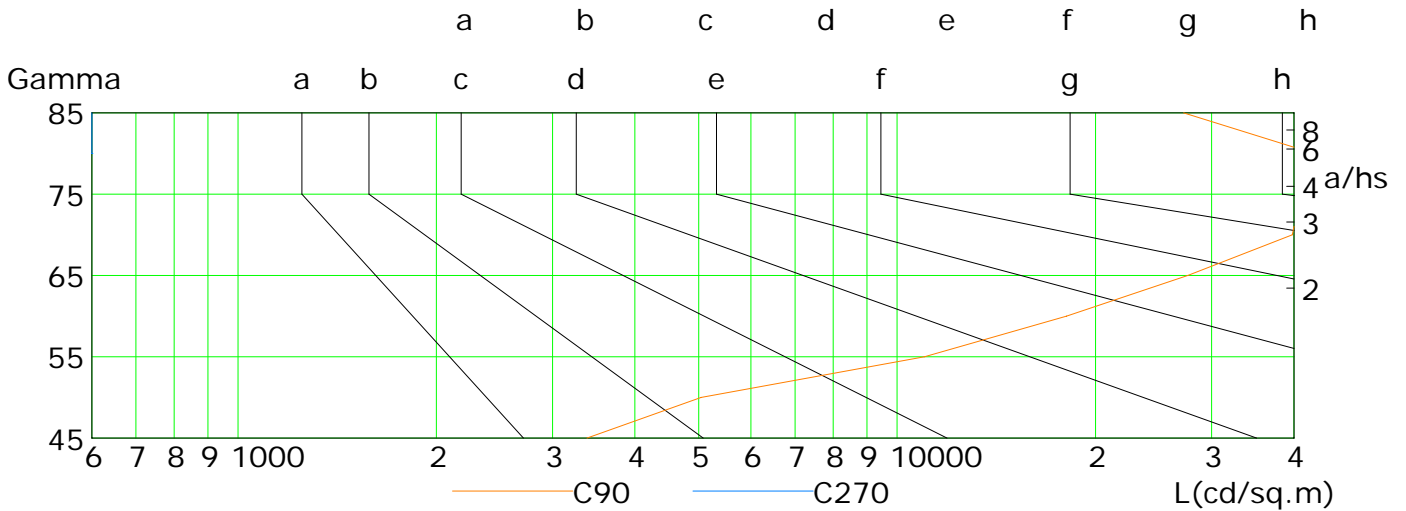
— ( 1%): 0.0 lx	— ( 2%): 0.0 lx
— ( 5%): 0.0 lx	— (10%): 0.0 lx
— (20%): 0.0 lx	— (50%): 0.1 lx
— (100%): 0.1 lx	

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-90.0:10.0  
Test Device: GPM-1600L  
Distance: 8.955 m  
Humidity: 60  
Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		a	b	c	d	e	f	g	h
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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	484	450	405	360	296	229	143	48	26
C90	3385	5043	11003	18077	27594	39760	40947	42980	27209
C180	498	463	414	365	292	216	125	23	12
C270	522	476	417	351	276	185	107	0	0

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-90.0:10.0

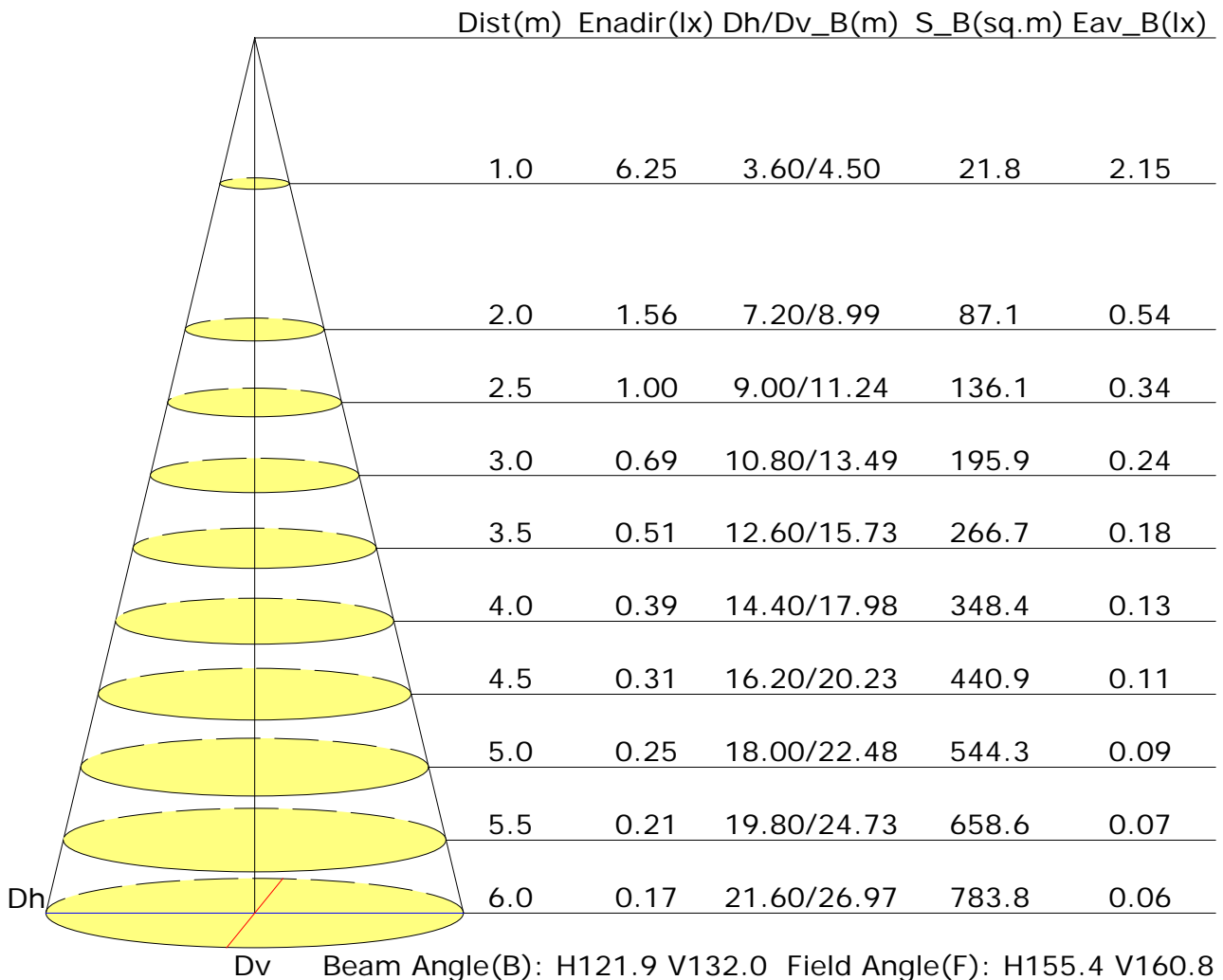
Test Device: GPM-1600L

Distance: 8.955 m

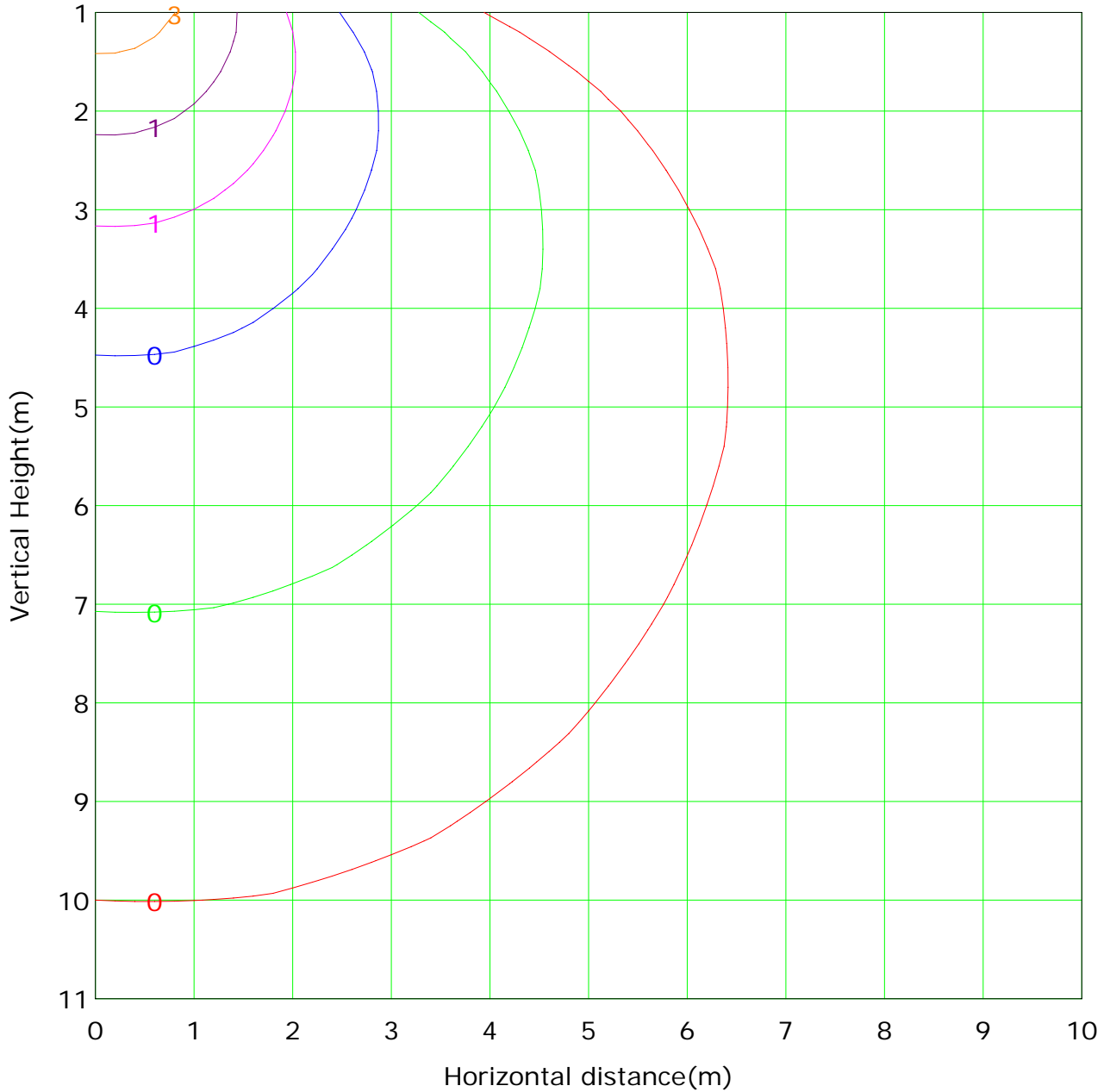
Humidity: 60

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

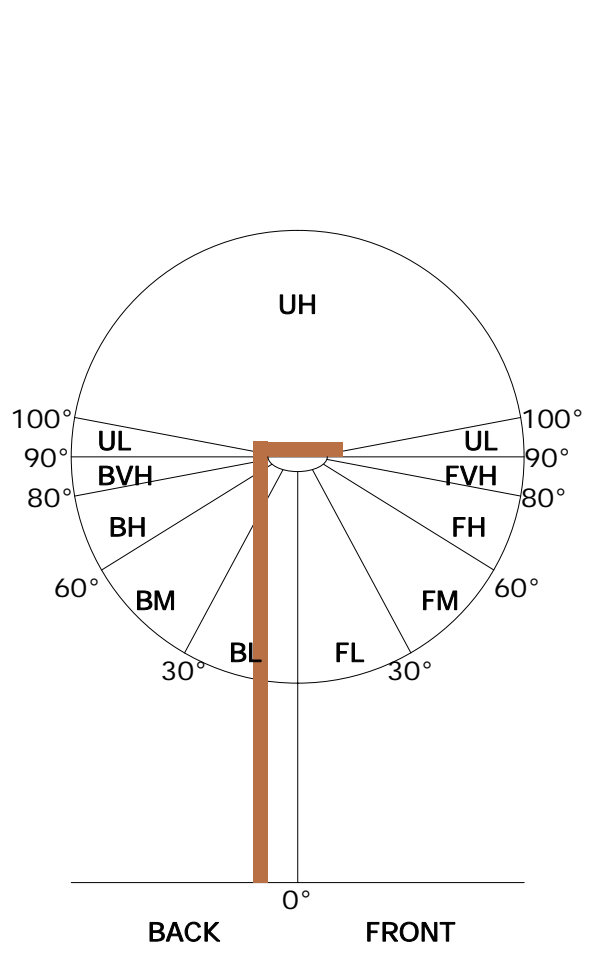


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 6.3 lx
— ( 1%): 0.1 lx	— ( 2%): 0.1 lx	
— ( 5%): 0.3 lx	— (10%): 0.6 lx	
— (20%): 1.3 lx	— (50%): 3.1 lx	
— (100%): 6.3 lx		

C Plane (°):0.0-360.0: 15.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-90.0:10.0  
Test Device: GPM-1600L  
Distance: 8.955 m  
Humidity: 60  
Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	45	71.8
	FL ( 0°-30°)	3	4.3
	FM (30°-60°)	13	21.2
	FH (60°-80°)	25	40.0
	FVH (80°-90°)	4	6.4
	BACK LIGHT	8	13.4
	BL ( 0°-30°)	2	3.8
	BM (30°-60°)	5	7.2
	BH (60°-80°)	1	2.3
	BVH (80°-90°)	0	0.1
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	9	14.8

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U0 G0

C Plane (°):0.0-360.0: 15.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator:

Gamma Plane (°):0.0-90.0: 10.0  
 Test Device: GPM-1600L  
 Distance: 8.955 m  
 Humidity: 60  
 Inspector: