

Report No.: LG-1050

Test Time: 2015-09-22 11:34

Luminaire Property

Luminaire Manufacturer: Light And Green LLC

Luminaire Description: LG-1050

Luminous Length (mm): 170

Luminous Height (mm): 80

Current: 0.346 A

Power Factor: 1.000

Number of Lamps: 1

Luminous Width (mm): 190

Voltage: 110V

Power: 37.96 W

Photometric Results

CIE Class: Direct

Measurement Flux: 236.6 lm

Downward Ratio: 100%

Field Angle: H173.6 V180.0

Luminaire Efficacy Rating (LER): 6

Max. Intensity: 233.78 cd

Total Rated Lamp Lumens: 236.6 lm

Efficiency: 100%

Upward Ratio: 0%

Beam Angle: H164.2 V163.8

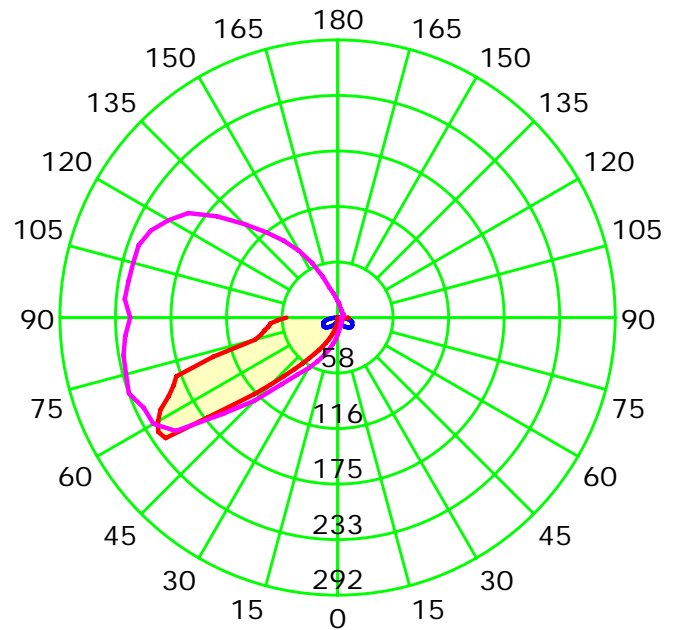
Central Intensity: 1.1 cd

Pos of Max. Intensity: H290 V60

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G60

C Plane (°):0.0-360.0: 5.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: 1

Gamma Plane (°):0.0-90.0:2.5

Test Device: GPM-1600L

Distance: 10.000 m

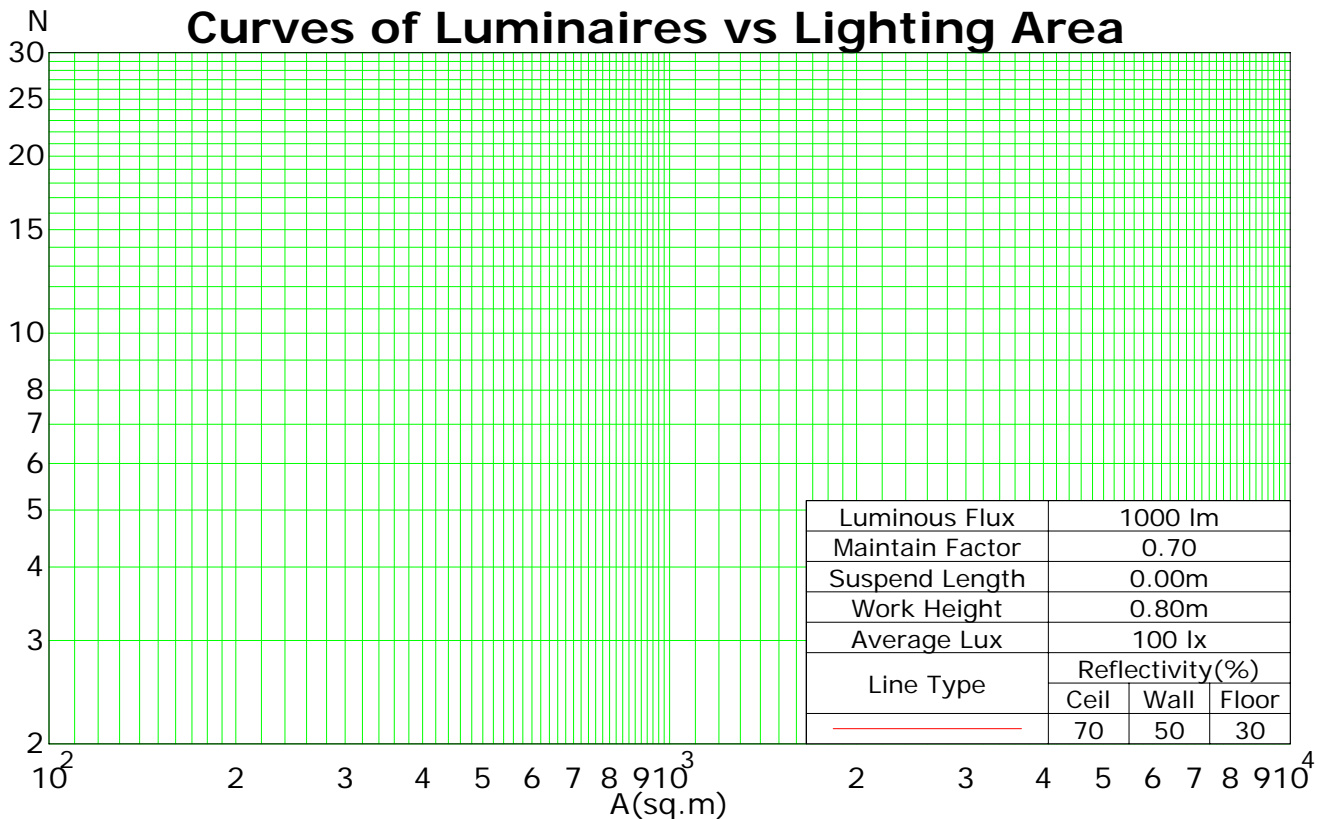
Humidity:

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
RCCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	101	93	86	79	98	90	84	78	86	80	75	81	77	73	78	74	70	68
2	87	74	64	55	84	72	62	54	68	60	53	65	58	51	61	55	50	47
3	76	61	49	39	73	59	48	39	56	46	38	52	44	37	49	42	36	34
4	67	51	39	29	65	49	38	29	46	36	28	44	35	28	41	34	27	24
5	60	43	31	22	58	42	31	22	39	29	22	37	28	21	35	27	21	18
6	55	37	26	18	52	36	25	17	34	24	17	32	24	17	31	23	17	14
7	50	33	22	14	48	32	21	14	30	21	14	29	20	14	27	19	13	11
8	46	29	19	12	44	28	18	11	27	18	11	26	17	11	24	17	11	9
9	43	26	16	10	41	26	16	10	24	16	9	23	15	9	22	15	9	7
10	40	24	14	8	38	23	14	8	22	14	8	21	13	8	20	13	8	6

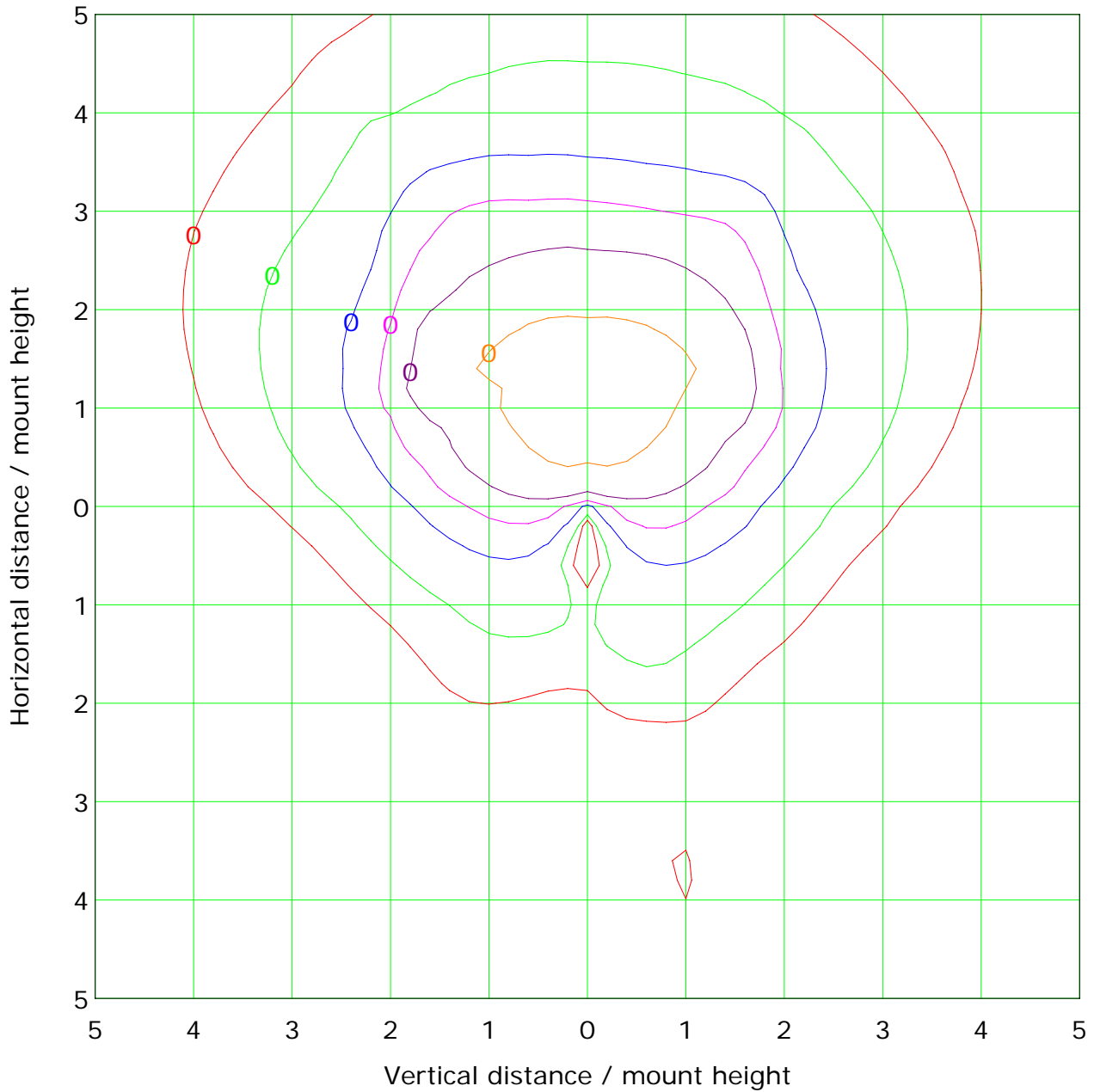
Spacing Criteria (0-180): 5.82
 Spacing Criteria (90-270): 7.86
 Spacing Criteria (Diagonal): 6.81



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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 0.4 lx

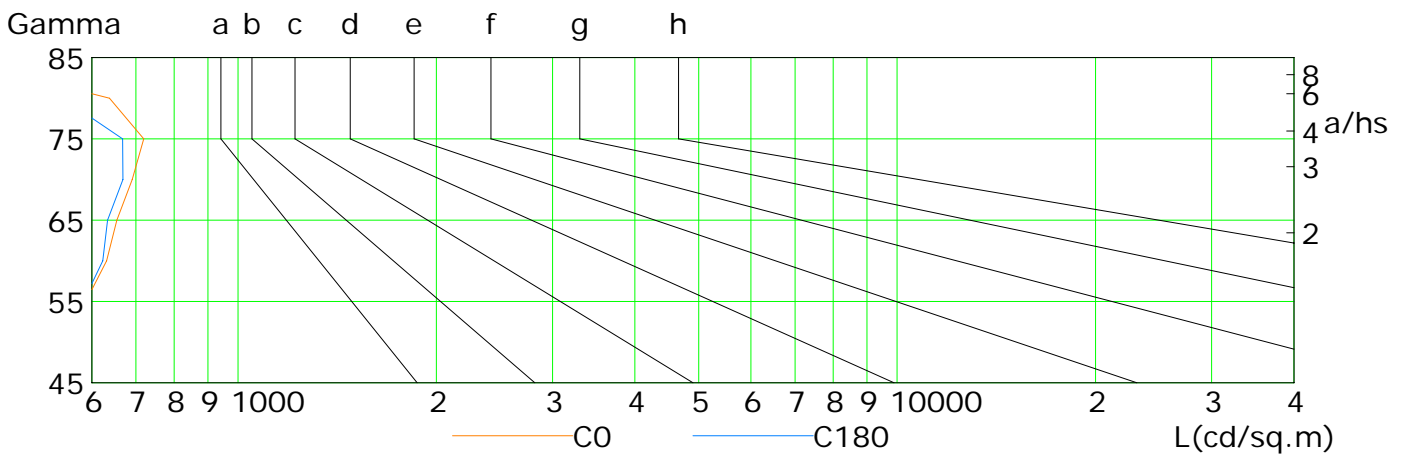
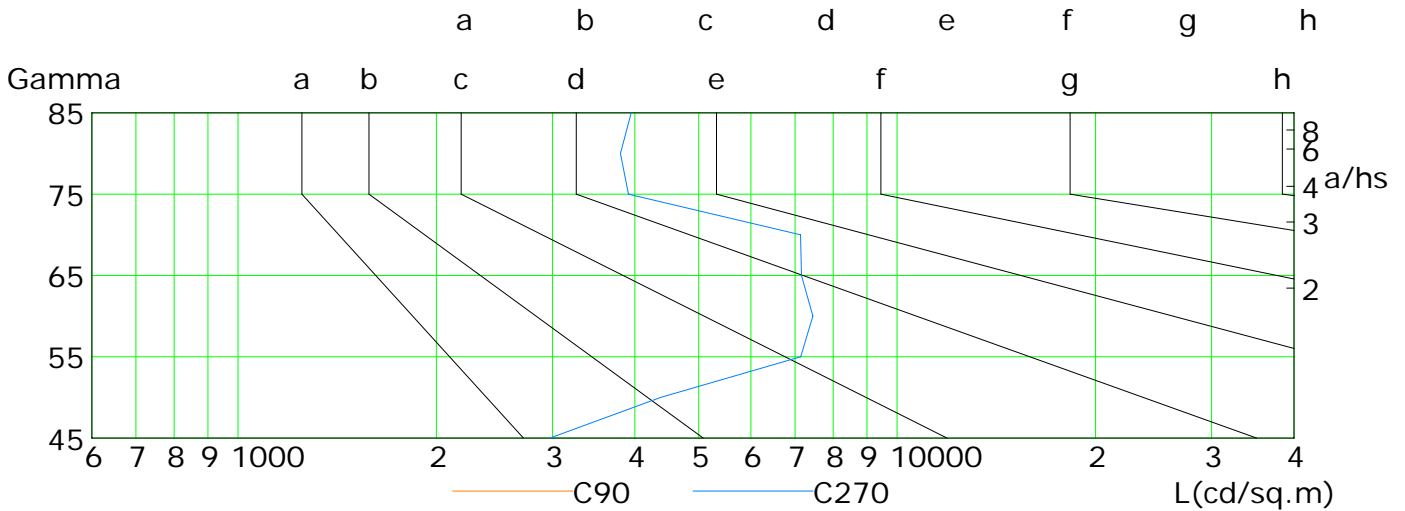
— (1%): 0.0 lx	— (2%): 0.0 lx
— (5%): 0.0 lx	— (10%): 0.0 lx
— (20%): 0.1 lx	— (50%): 0.2 lx
— (100%): 0.4 lx	

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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

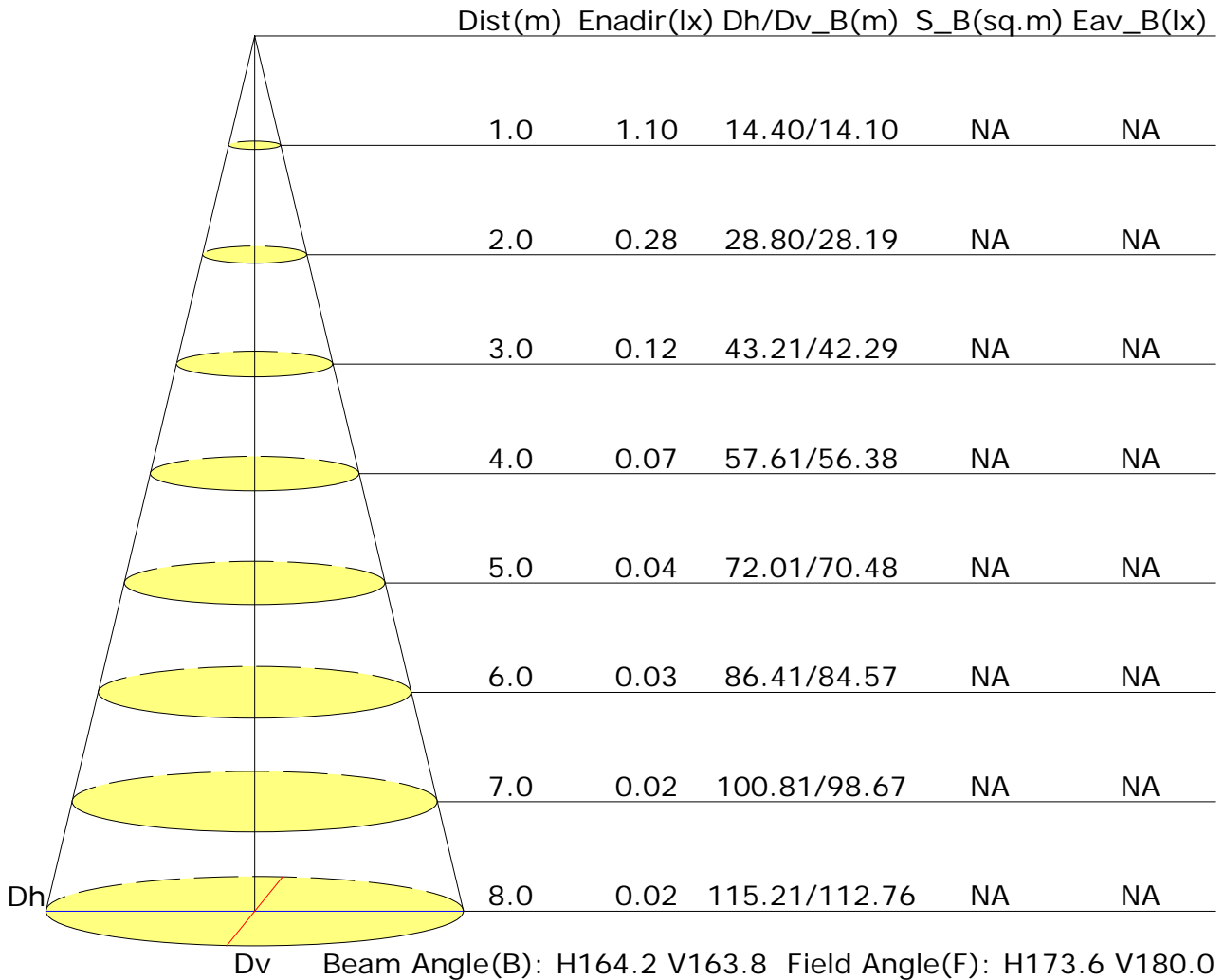


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	442	520	587	632	655	691	719	638	368
C90	57	85	111	135	145	149	156	185	329
C180	443	516	582	623	634	669	668	542	208
C270	2973	4376	7139	7450	7161	7137	3911	3804	3949

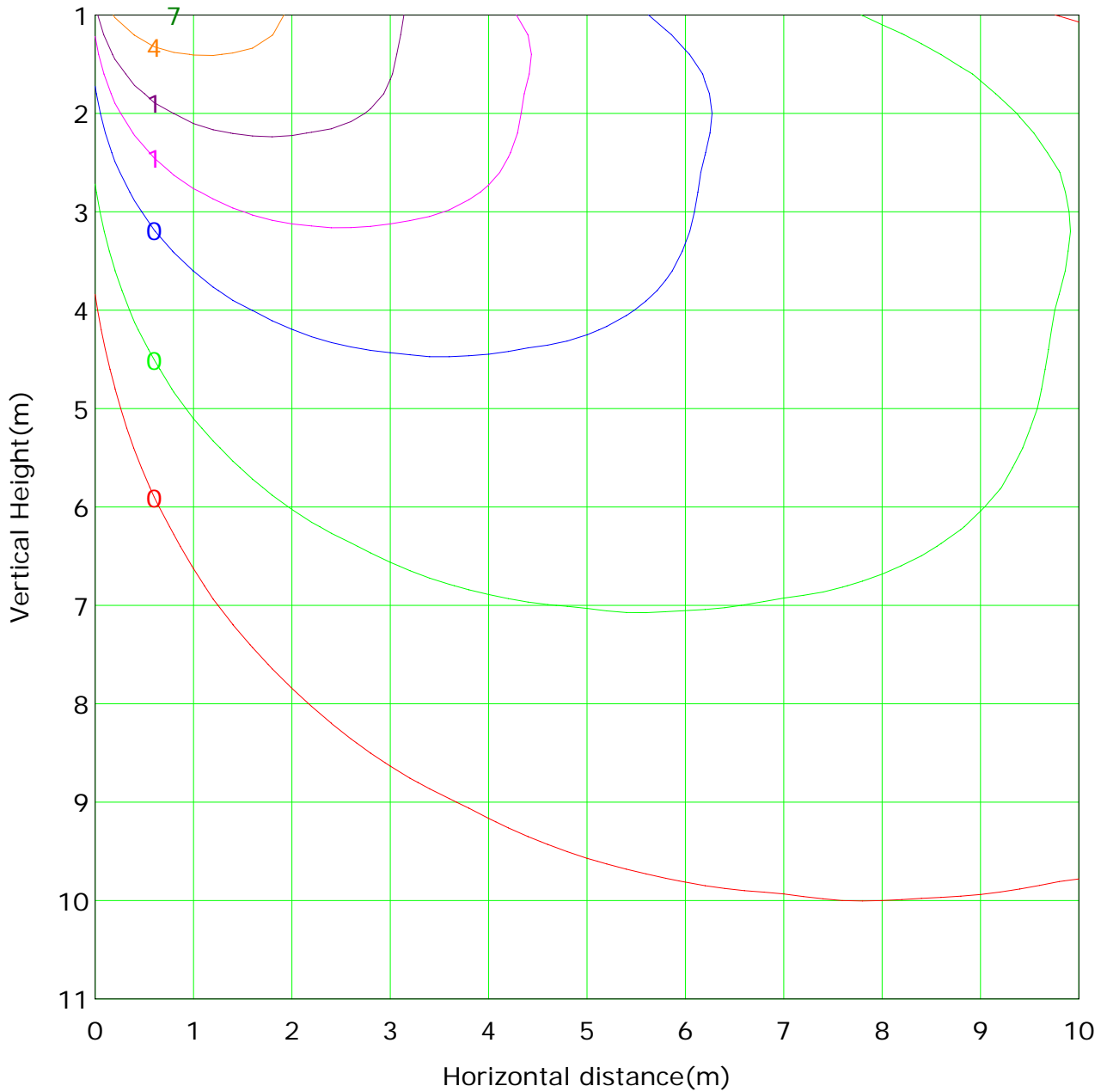
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 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

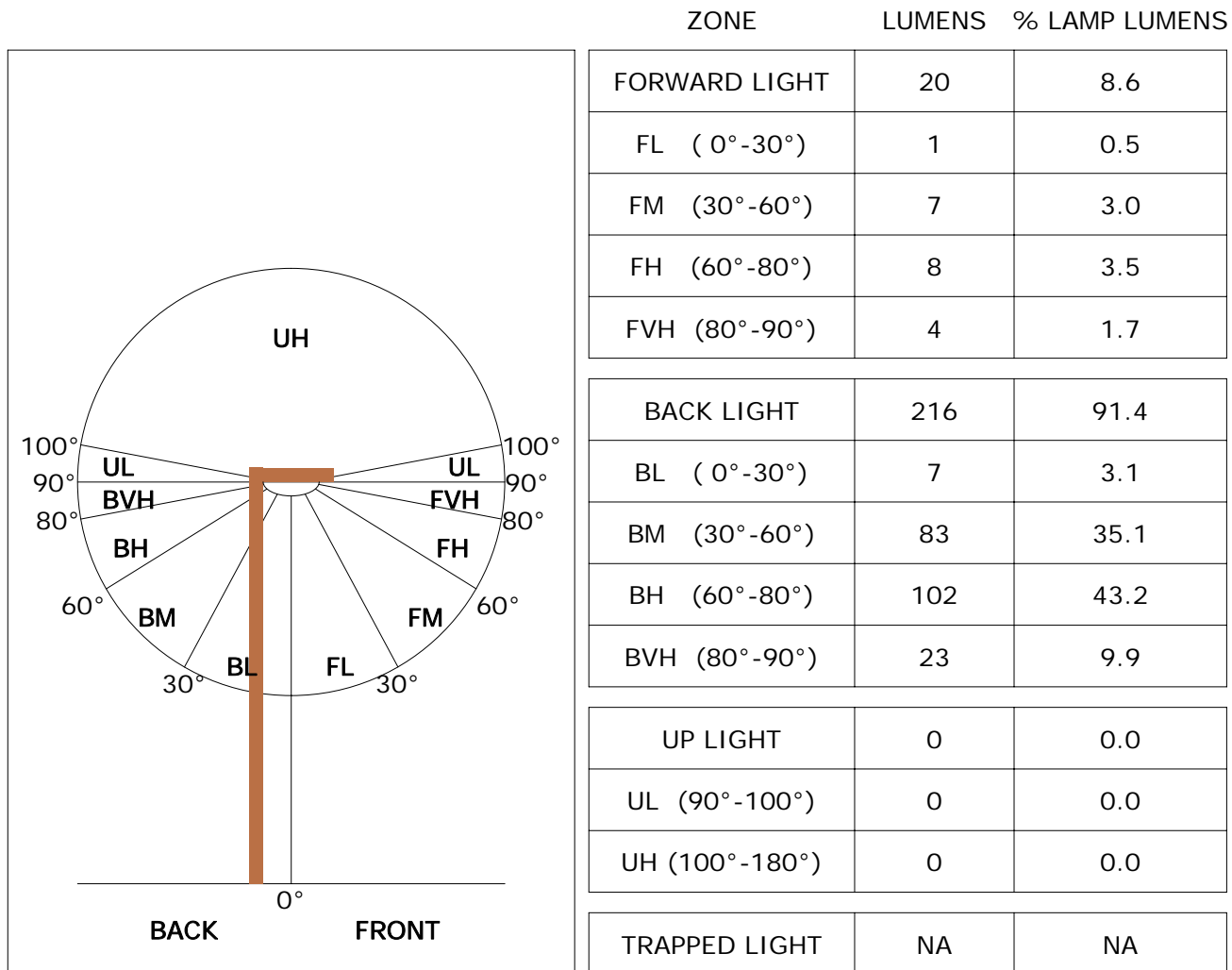


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 7.5 lx
— (1%): 0.1 lx	— (2%): 0.1 lx	— (10%): 0.7 lx
— (5%): 0.4 lx	— (20%): 1.5 lx	— (50%): 3.7 lx
— (100%): 7.5 lx		

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 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G1

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