

Report No.: LG-8019

Test Time: 2015-01-10 11:04

Luminaire Property

Luminaire Manufacturer: Light and Green LLC
 Luminaire Category: LG-8017
 Lamp Catalog: LED
 Number of Lamps: 1
 Luminous Length (mm): 240 mm
 Luminous Height (mm): 65 mm
 Current: 0.082 A
 Power Factor: 0.937

Luminaire Description: 9008
 Lamp Description: 2835(*84)
 Lumens per Lamp: 1262.3 lm
 Luminous Width (mm): 240 mm
 Voltage: 223.0 V
 Power: 17.19 W

Photometric Results

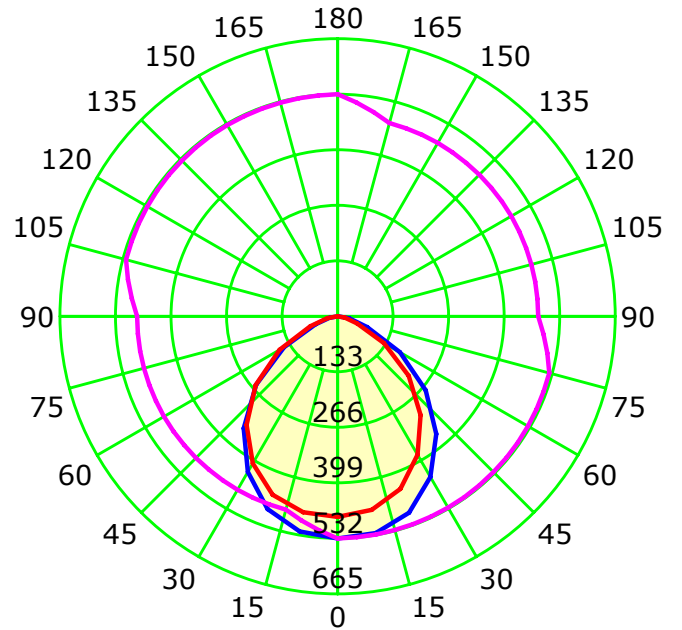
CIE Class: Direct
 Measurement Flux: 1199 lm
 Downward Ratio: 94.98%
 Field Angle: H145.7 V145.3
 Luminaire Efficacy Rating (LER): 70
 Max. Intensity: 532.6 cd

Total Rated Lamp Lumens: 1262.3 lm
 Efficiency: 94.98%
 Upward Ratio: 0.00%
 Beam Angle: H99.8 V99.6
 Central Intensity: 532.59 cd
 Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G0

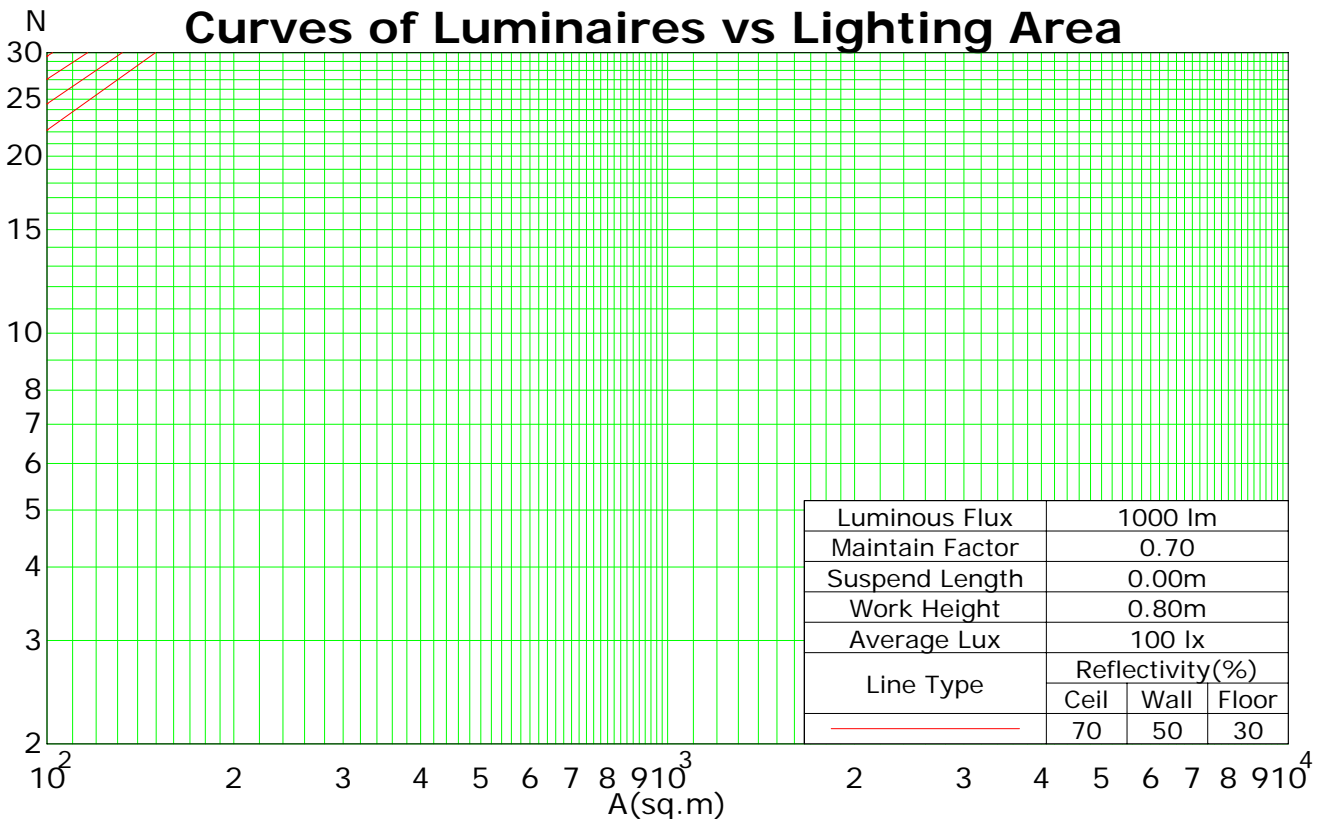
C Plane (°):0.0-360.0: 15.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:10.0
 Test Device: GPM-1600L
 Distance: 8.955 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	113	113	113	113	110	110	110	110	105	105	105	101	101	101	97	97	97	95
1	104	100	97	93	102	98	95	92	94	91	89	91	88	86	87	85	84	82
2	96	89	83	78	93	87	82	77	84	79	75	81	77	74	78	75	72	70
3	88	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60
4	81	70	63	57	79	69	62	56	67	61	56	65	59	55	63	58	54	52
5	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46
6	69	57	49	43	68	56	49	43	55	48	43	53	47	43	52	46	42	40
7	64	52	44	39	63	51	44	39	50	43	38	49	43	38	47	42	38	36
8	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
9	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29
10	53	41	33	29	52	40	33	28	39	33	28	38	32	28	38	32	28	27

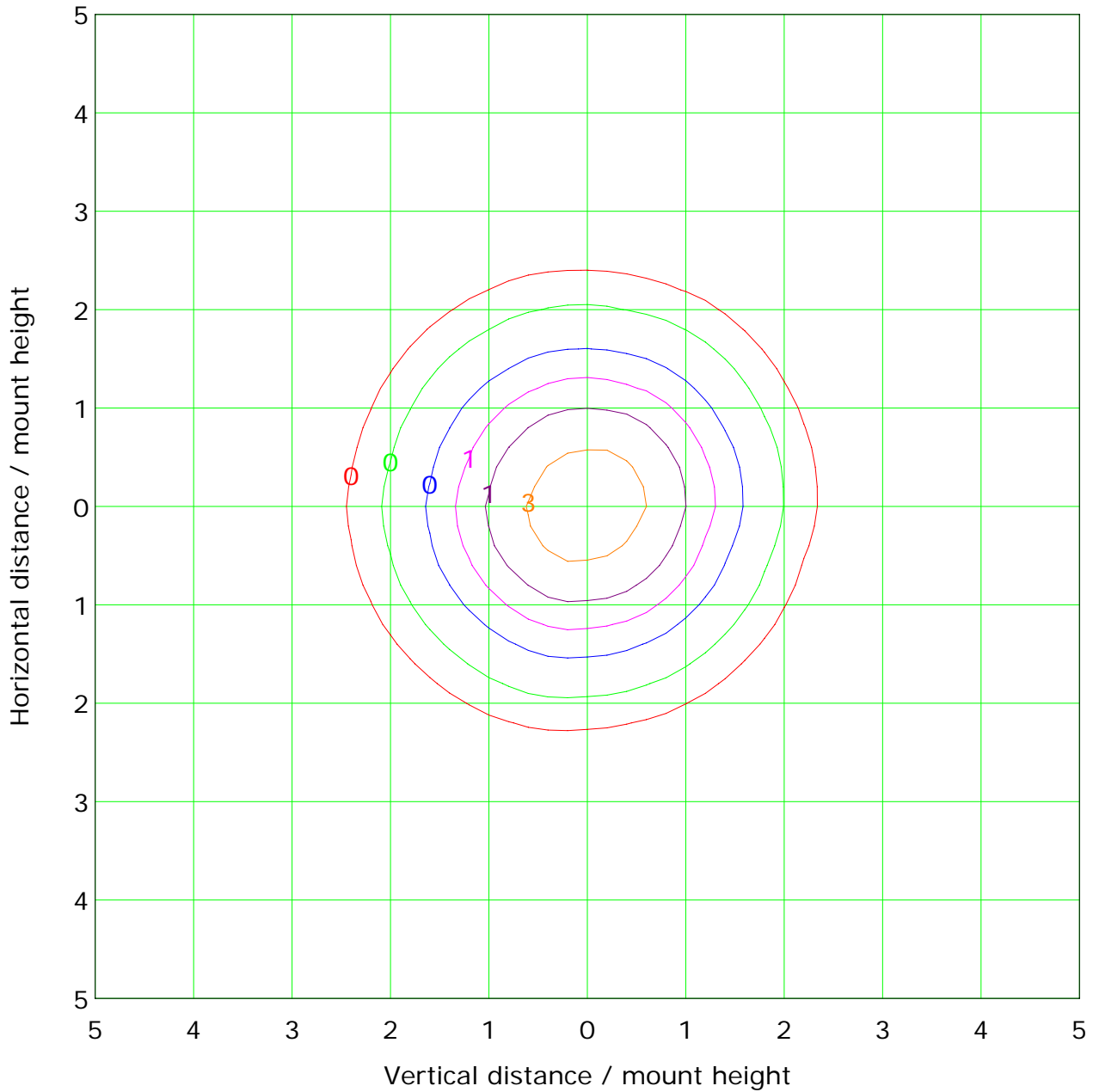
Spacing Criteria (0-180): 1.22
 Spacing Criteria (90-270): 1.22
 Spacing Criteria (Diagonal): 1.27



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IsoLux Plot



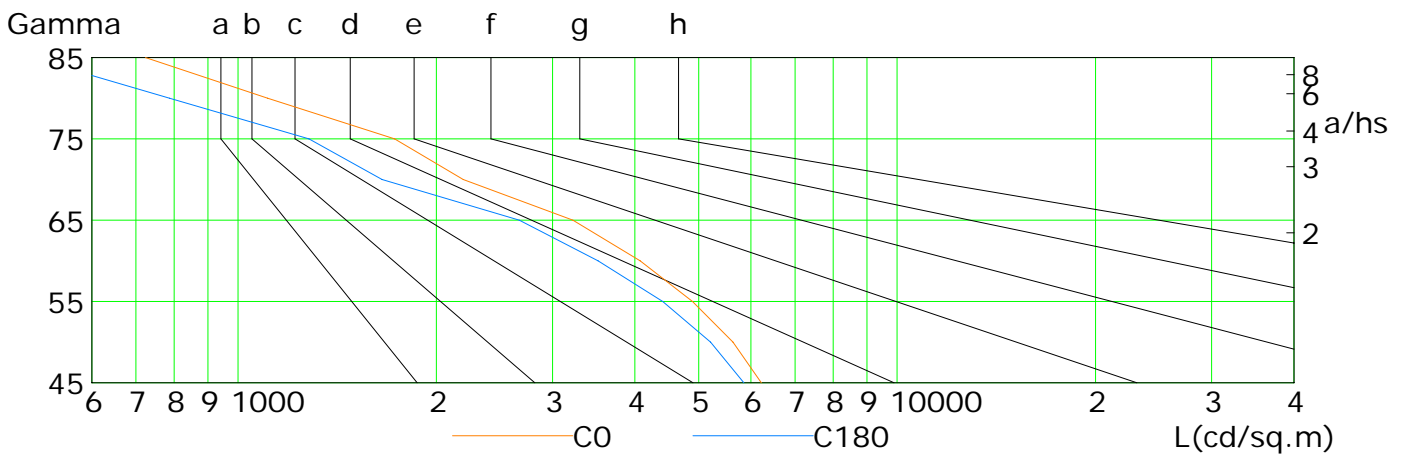
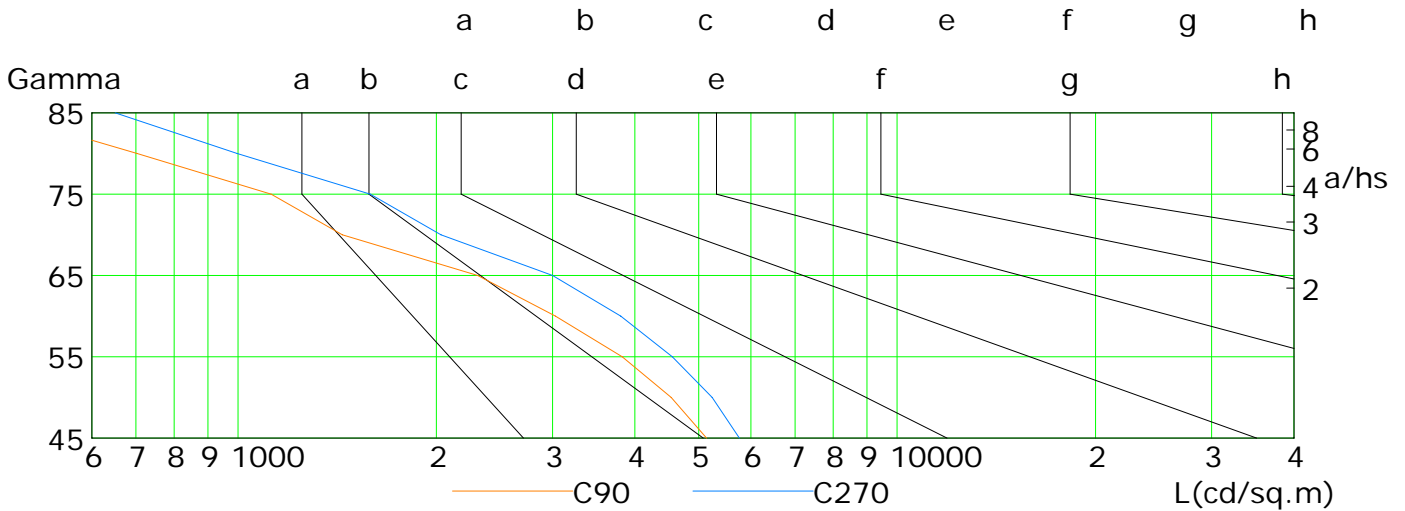
Mounting Height: 10.0m		Max Lux(100%): 5.3 lx	
— (1%): 0.1 lx	— (2%): 0.1 lx		
— (5%): 0.3 lx	— (10%): 0.5 lx		
— (20%): 1.1 lx	— (50%): 2.7 lx		
— (100%): 5.3 lx			

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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

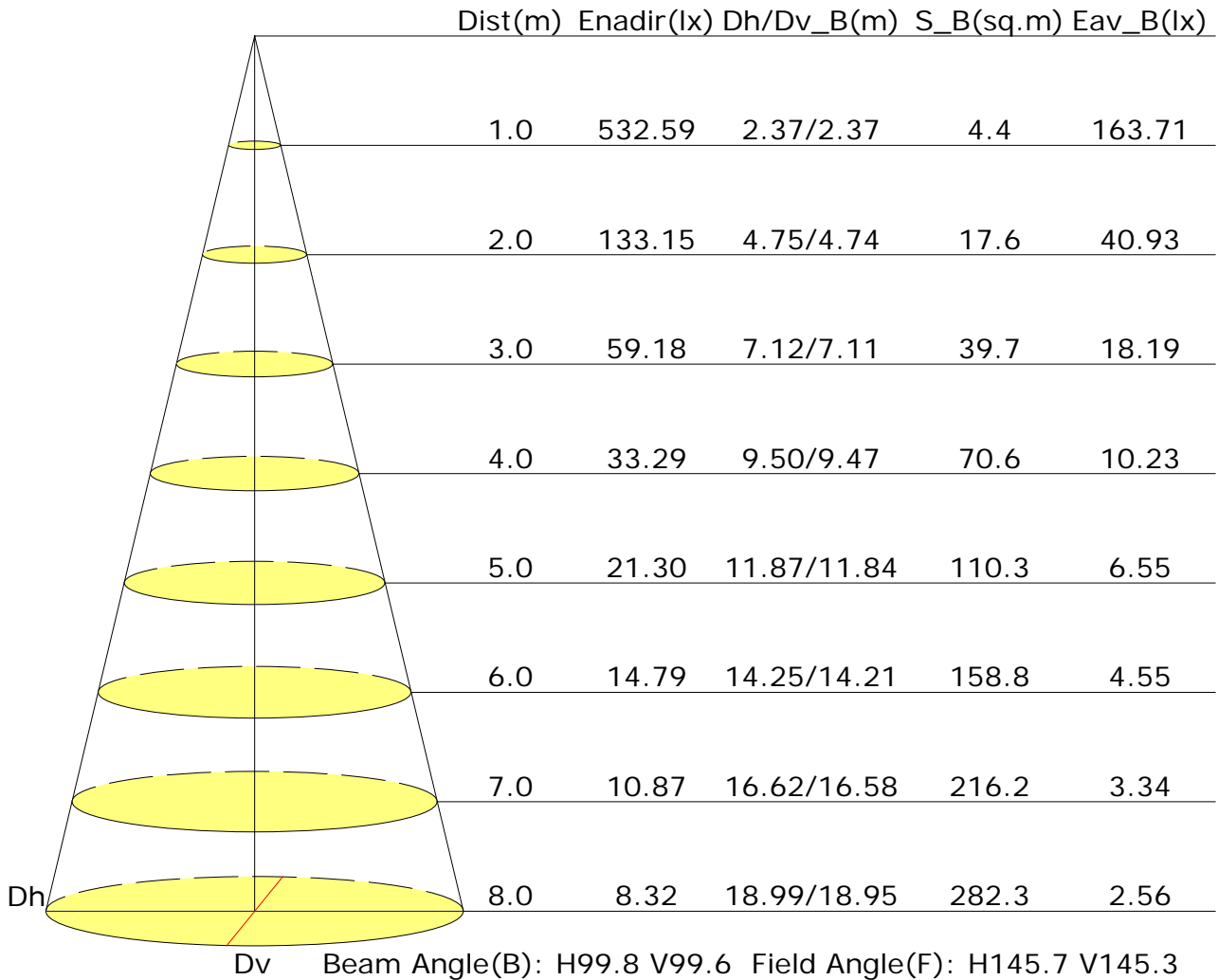


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6222	5634	4893	4075	3221	2196	1728	1109	724
C90	5139	4543	3828	3032	2310	1440	1123	703	434
C180	5855	5212	4410	3517	2672	1655	1281	787	486
C270	5762	5241	4559	3808	3001	2033	1587	997	651

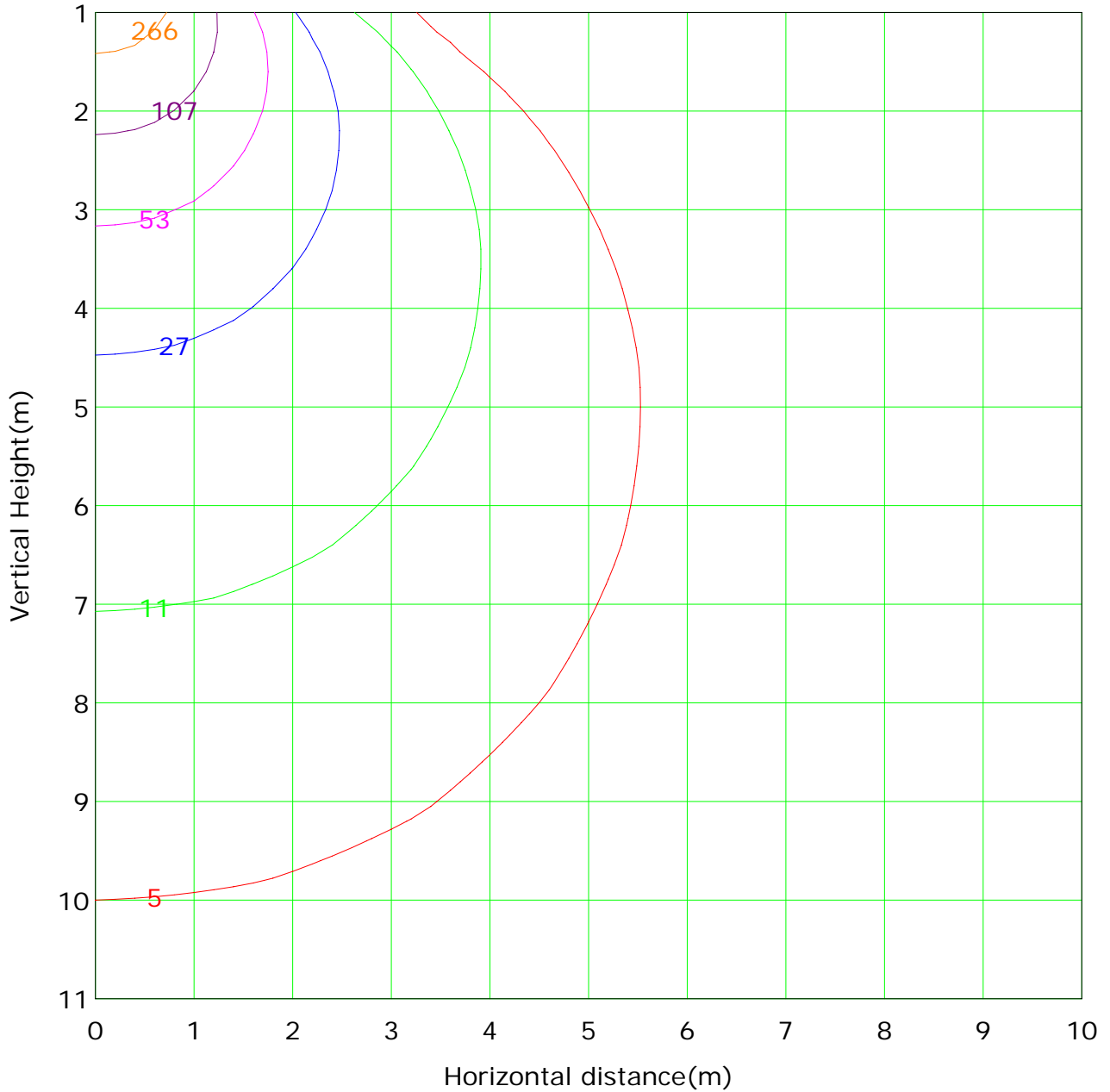
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Illuminance at a Distance



Vertical IsoLux Plot

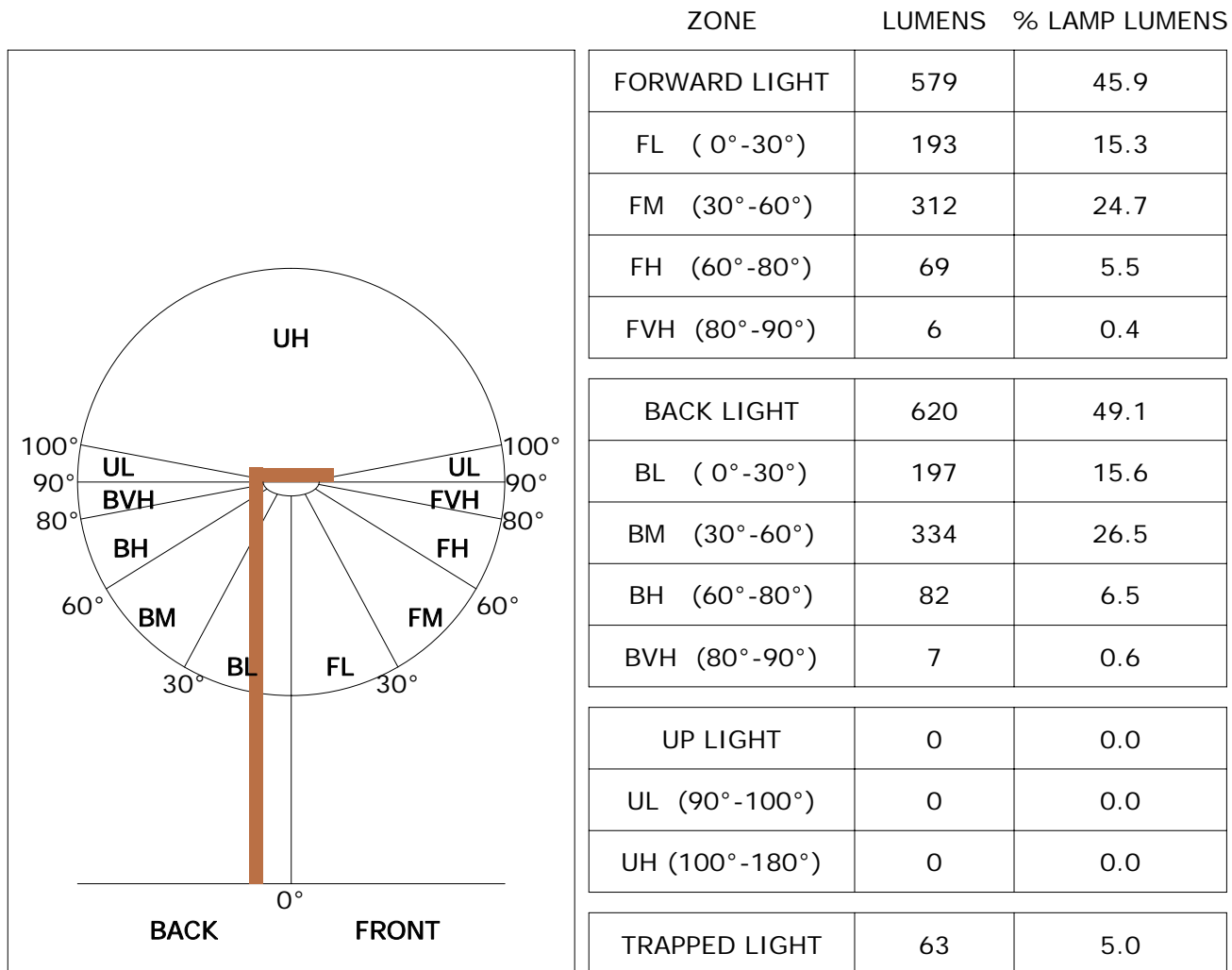


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 532.6 lx
— (1%): 5.3 lx	— (2%): 10.7 lx	— (10%): 53.3 lx
— (5%): 26.6 lx	— (20%): 106.5 lx	— (50%): 266.3 lx
— (100%): 532.6 lx		

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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)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U0 G0

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