

Report No.: 02

Test Time: 2016-11-07 13:36:49

## Luminaire Property

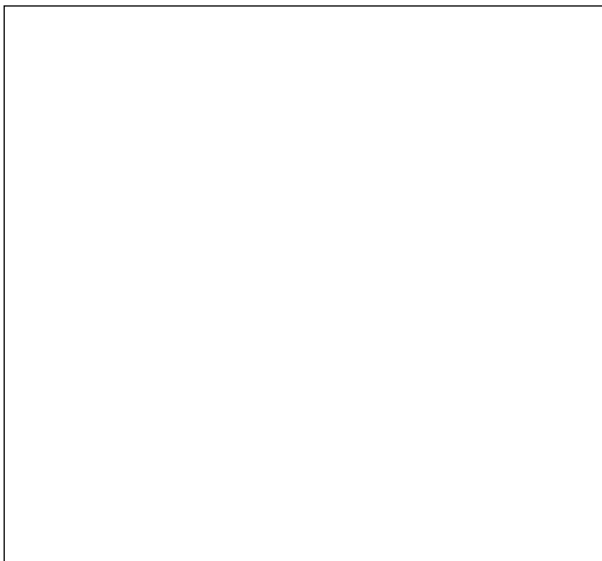
Luminaire Manufacturer: ASD Lighting Corp.  
 Luminaire Description: ASD-LVP2SM-4D3140PRM  
 Lamp Description: ASD-LVP2SM-4D3140PRM Number of Lamps: 1  
 Lumens per Lamp: 3968,00 lm  
 Luminous Width (mm): 90 mm  
 Power: 31W  
 Luminous Length (mm): 1220 mm  
 Luminous Height (mm): 80 mm

## Photometric Results

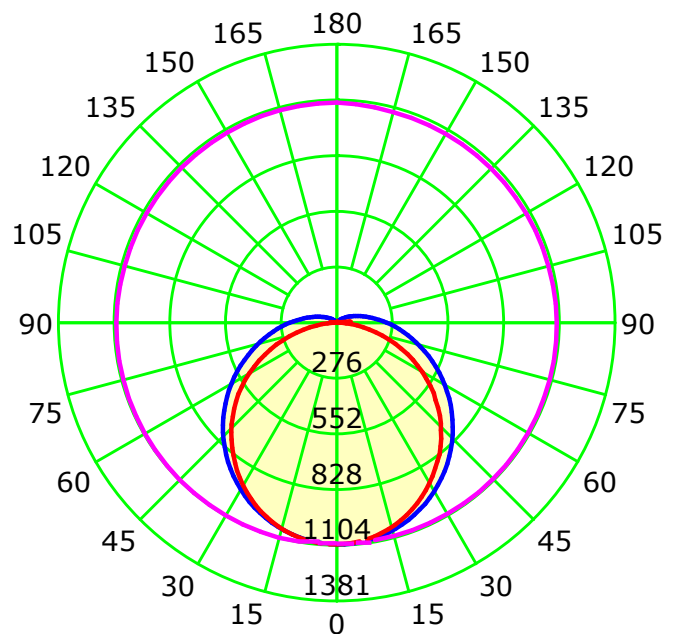
CIE Class: Direct  
 Measurement Flux: 3968,00 lm  
 Downward Ratio: 93.11%  
 Field Angle: H214.5 V163.1  
 Luminaire Efficacy Rating (LER): 128  
 Max. Intensity: 1104.82 cd

Total Rated Lamp Lumens: 3968,00 lm  
 Efficiency: 99.96%  
 Upward Ratio: 6.86%  
 Beam Angle: H129.2 V113.8  
 Central Intensity: 1099.69 cd  
 Pos of Max. Intensity: H345 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G6

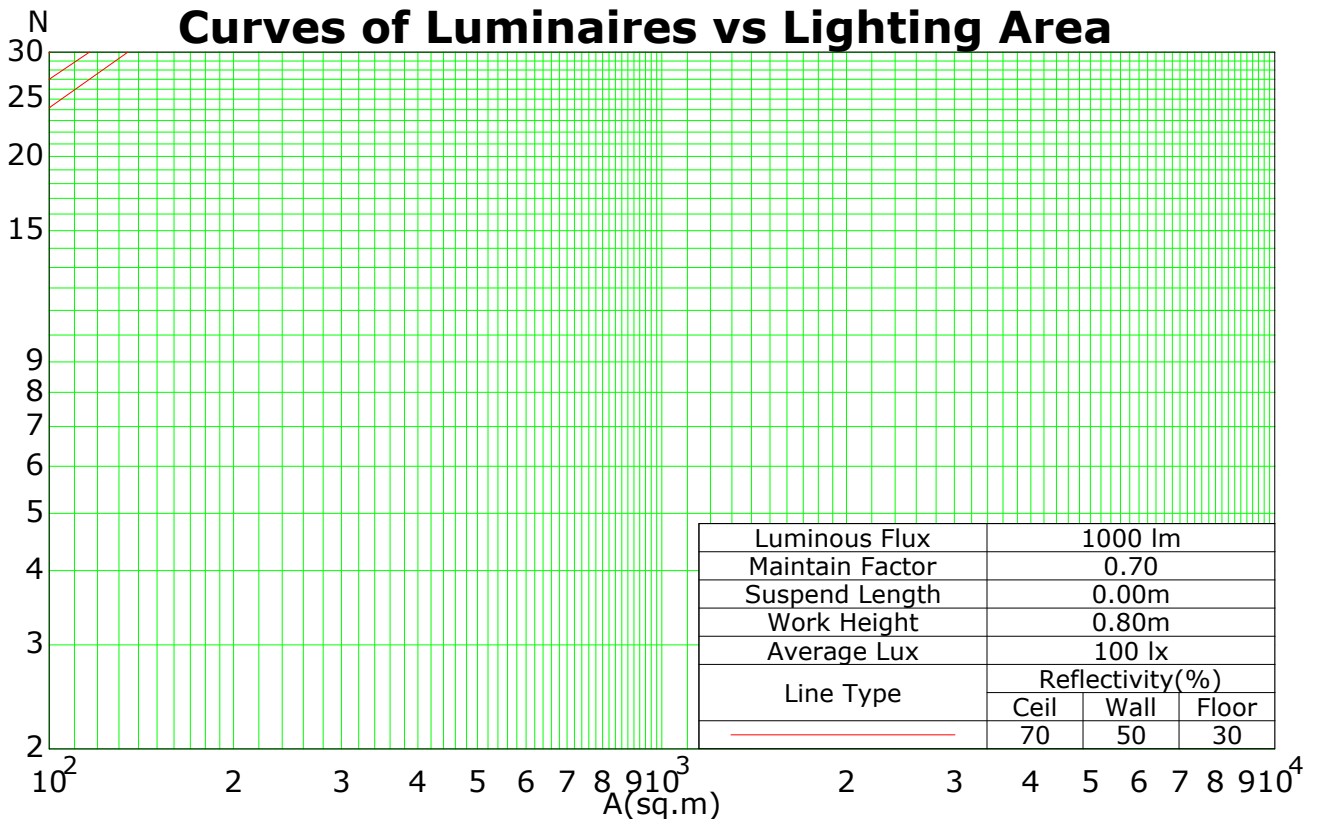
C Plane (°):0.0-360.0: 15.0  
 Test Lab: EVERFINE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:2.0  
 Test Device:  
 Distance:  
 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	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	74
2	95	86	78	72	92	83	76	71	79	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	61	57	52	50
4	79	66	57	49	76	64	55	49	61	53	47	57	51	46	54	49	45	42
5	72	59	49	42	69	57	48	42	54	47	41	51	45	40	49	43	38	36
6	66	53	43	37	64	51	43	36	49	41	35	46	40	35	44	38	34	31
7	62	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	30	28
8	57	43	35	29	55	42	34	28	40	33	28	39	32	27	37	31	27	25
9	53	40	31	26	52	39	31	25	37	30	25	36	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	27	22	32	26	22	20

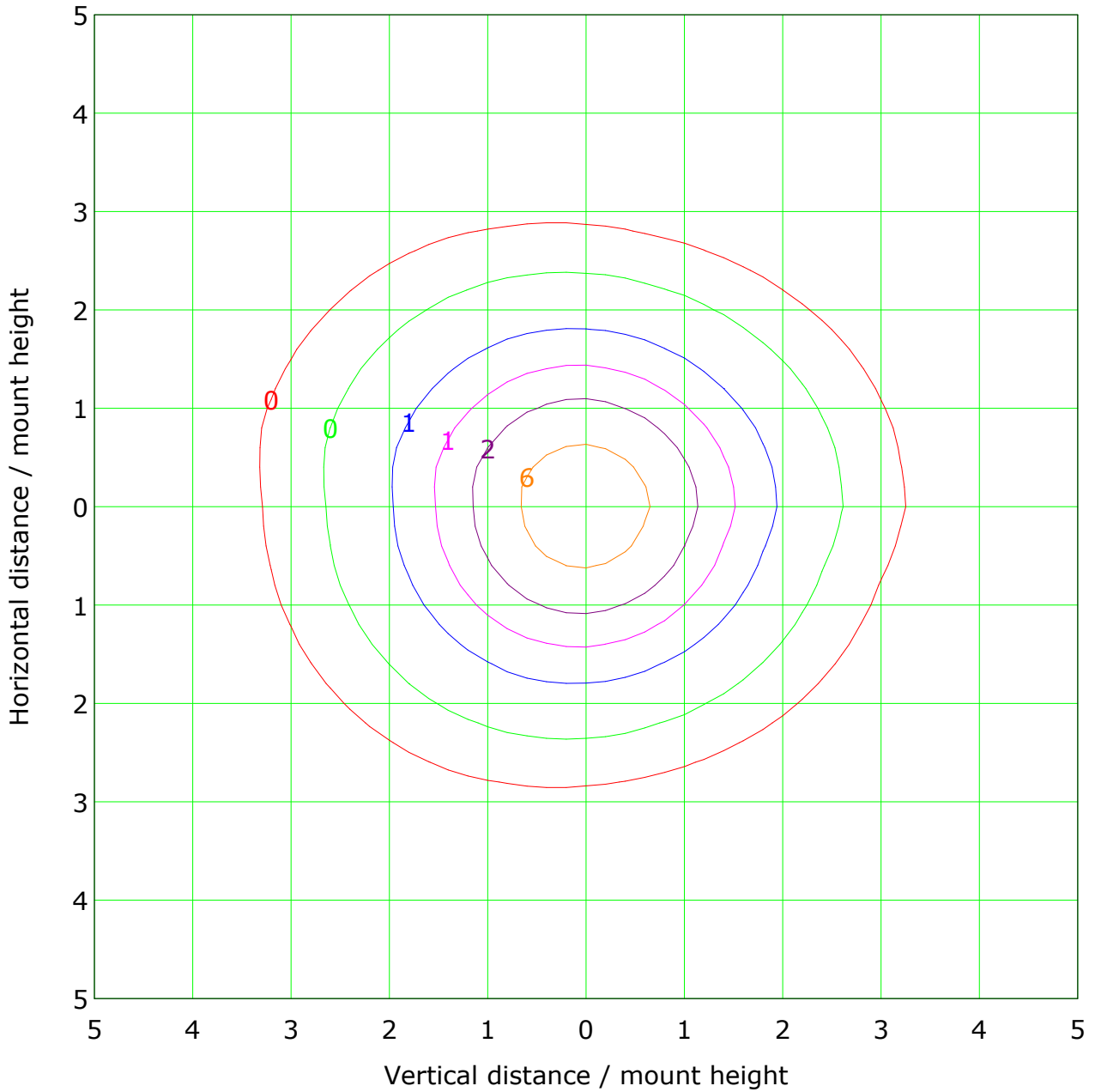
Spacing Criteria (0-180): 1.30  
 Spacing Criteria (90-270): 1.25  
 Spacing Criteria (Diagonal): 1.40



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 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 11.0 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.1 lx</li> <li><span style="color: blue;">—</span> ( 5%): 0.6 lx</li> <li><span style="color: purple;">—</span> ( 20%): 2.2 lx</li> <li><span style="color: green;">—</span> (100%): 11.0 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.2 lx</li> <li><span style="color: magenta;">—</span> ( 10%): 1.1 lx</li> <li><span style="color: orange;">—</span> ( 50%): 5.5 lx</li> </ul>		

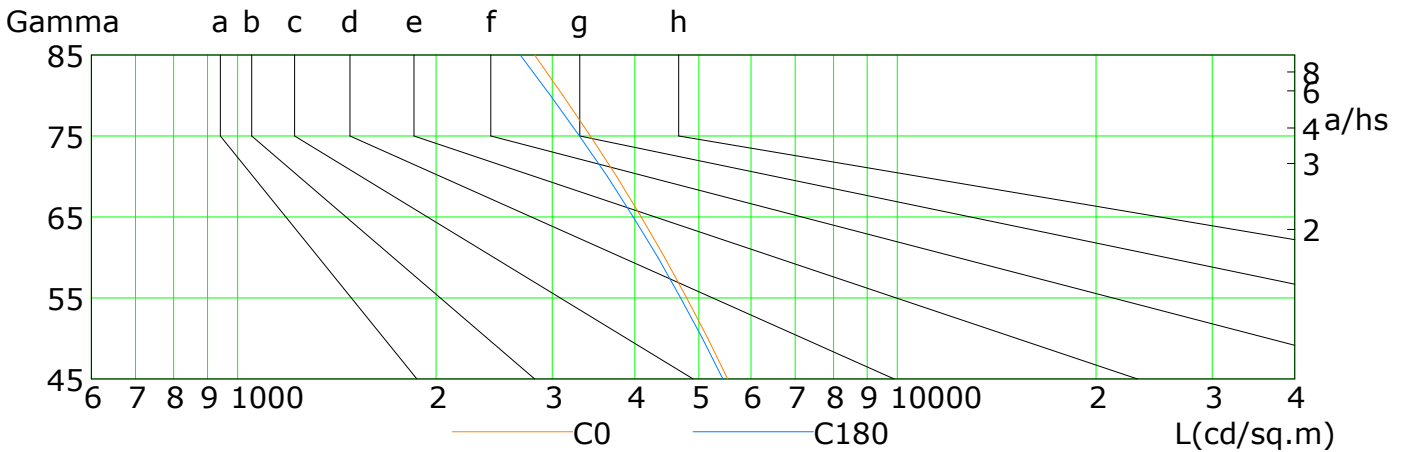
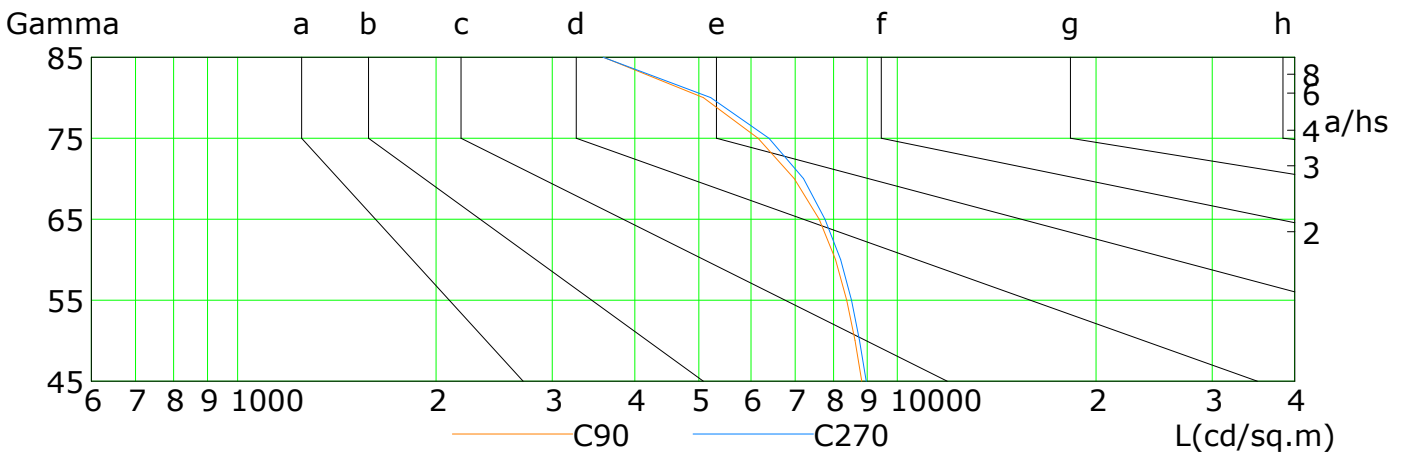
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## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

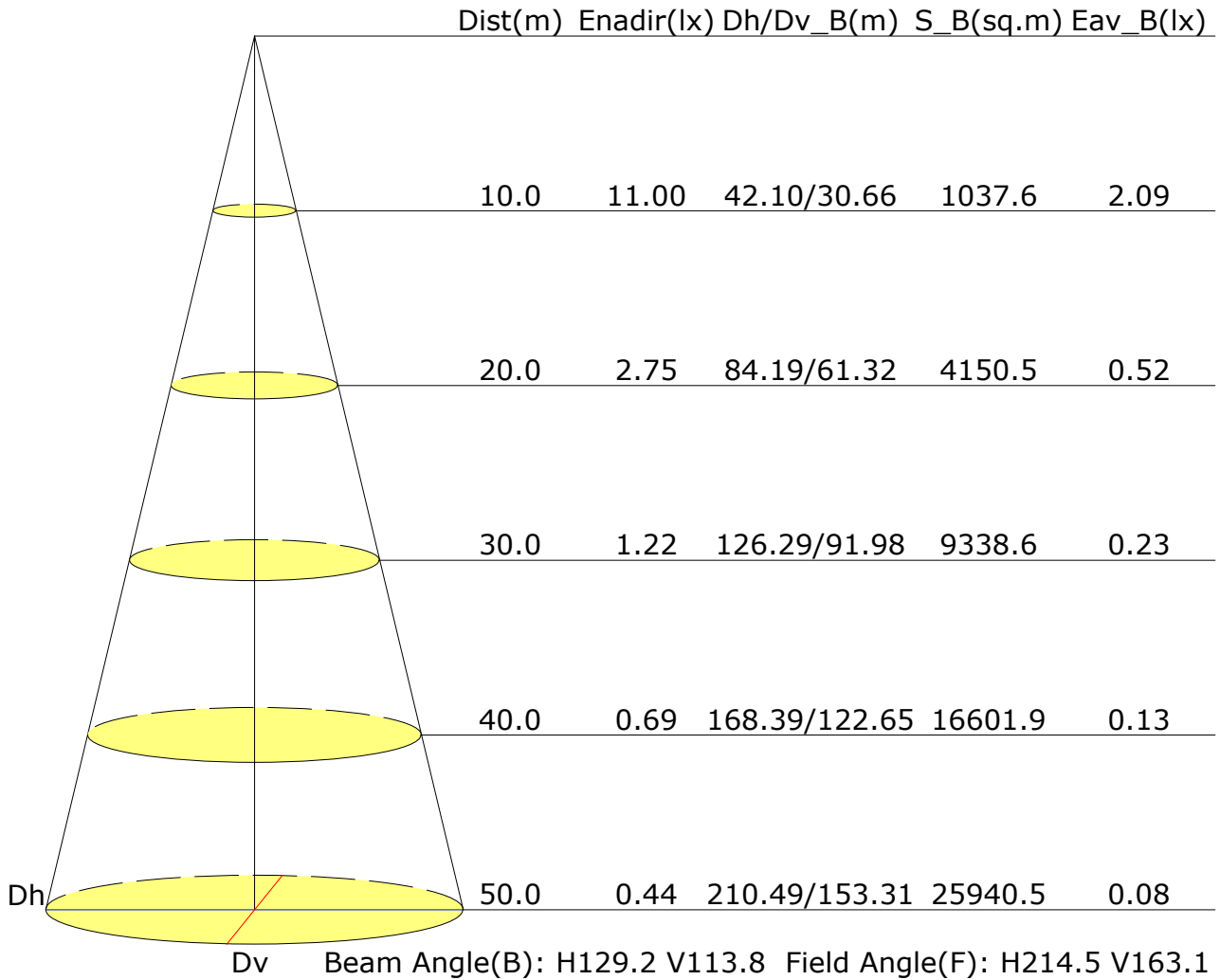


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5531	5160	4796	4439	4092	3751	3423	3110	2820
C90	8826	8630	8383	8059	7611	6979	6149	5079	3584
C180	5438	5063	4695	4334	3979	3632	3297	2977	2681
C270	8967	8761	8519	8200	7765	7209	6390	5213	3580

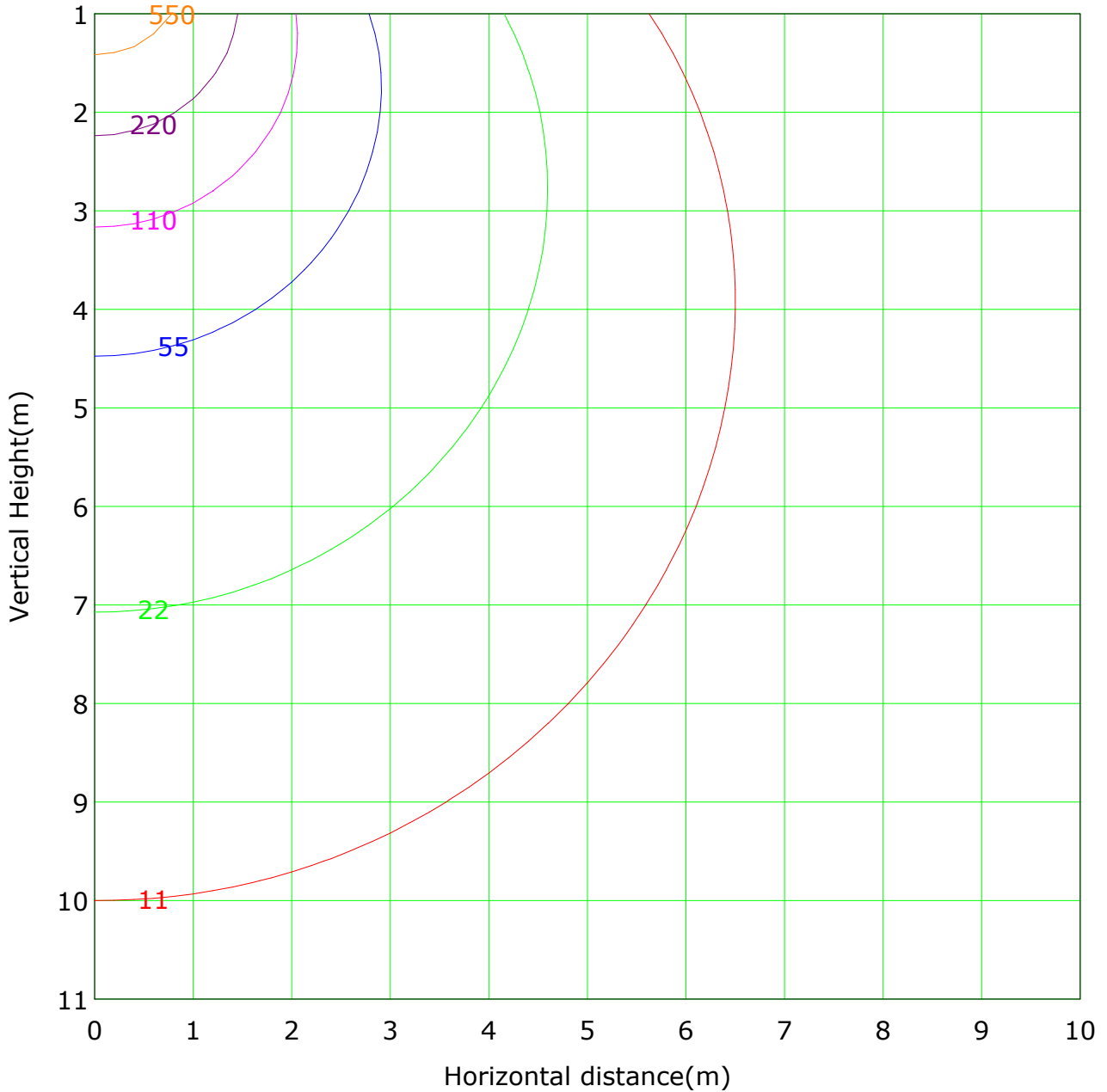
C Plane (°):0.0-360.0: 15.0  
 Test Lab: EVERFINE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:2.0  
 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

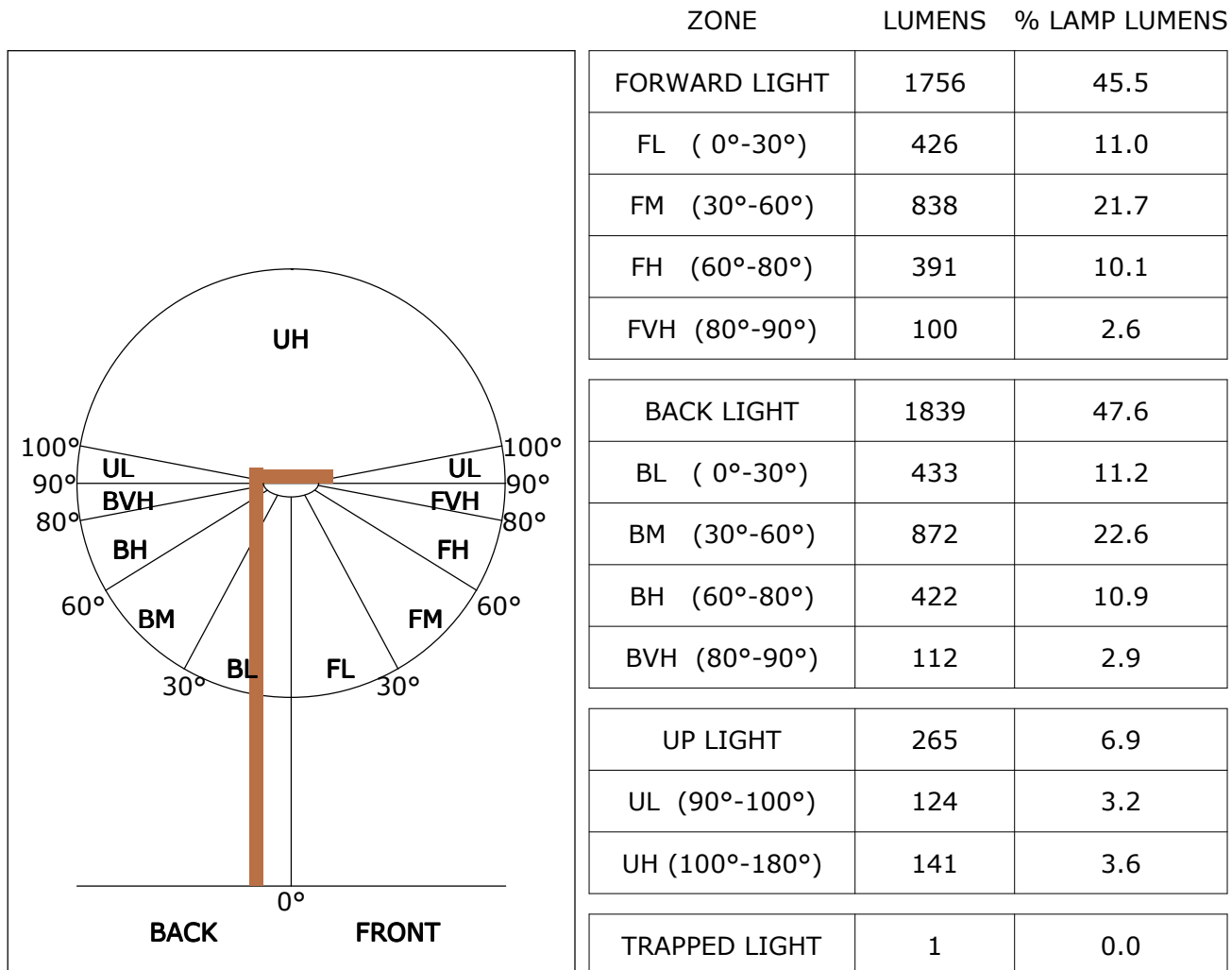


Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1099.7 lx

— ( 1%): 11.0 lx	— ( 2%): 22.0 lx
— ( 5%): 55.0 lx	— ( 10%): 110.0 lx
— ( 20%): 219.9 lx	— ( 50%): 549.8 lx
— (100%):1099.7 lx	

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 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:2.0  
 Test Device:  
 Distance:  
 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)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

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