

Report No.: 1

Test Time: 2016-12-28 16:33

## Luminaire Property

Luminaire Category: 0115.W.A531.6  
Luminaire Description: 60038  
Length (mm): 175  
Height (mm): 3  
Current: 0.097 A  
Power Factor: 0.955

Luminaire Manufacturer: Brasled  
Width (mm): 175  
Voltage: 230.2 V  
Power: 21.23 W

## Photometric Results

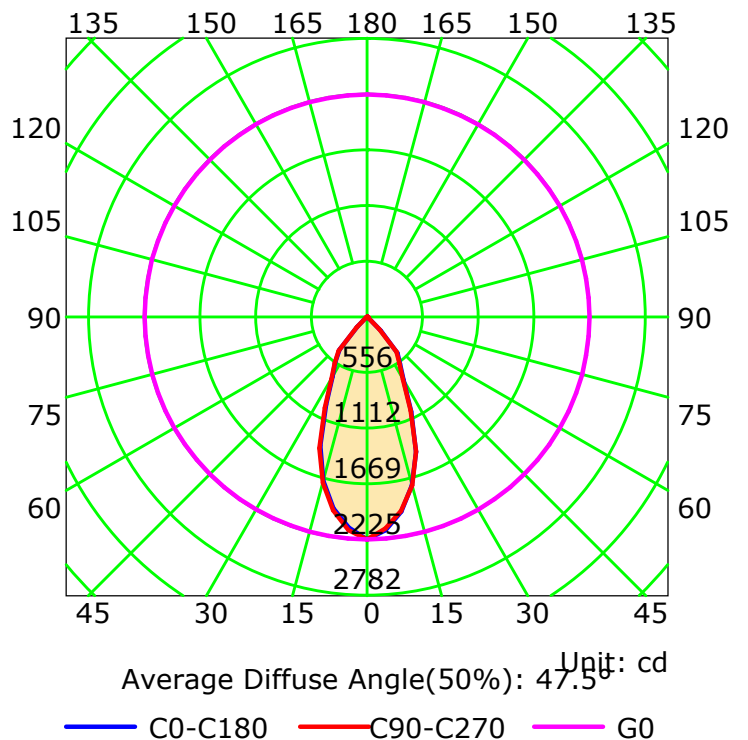
CIE Class: Direct  
Measurement Flux: 1676.6 lm  
Downward Ratio: 100%  
Field Angle: H88.1 V87.9  
Luminaire Efficacy Rating (LER): 79  
Max. Intensity: 2225.65 cd

Total Rated Lamp Lumens: 1676.6 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H47.4 V47.6  
Central Intensity: 2223.44 cd  
Pos of Max. Intensity: H67.5 V0

Picture Of Luminaire



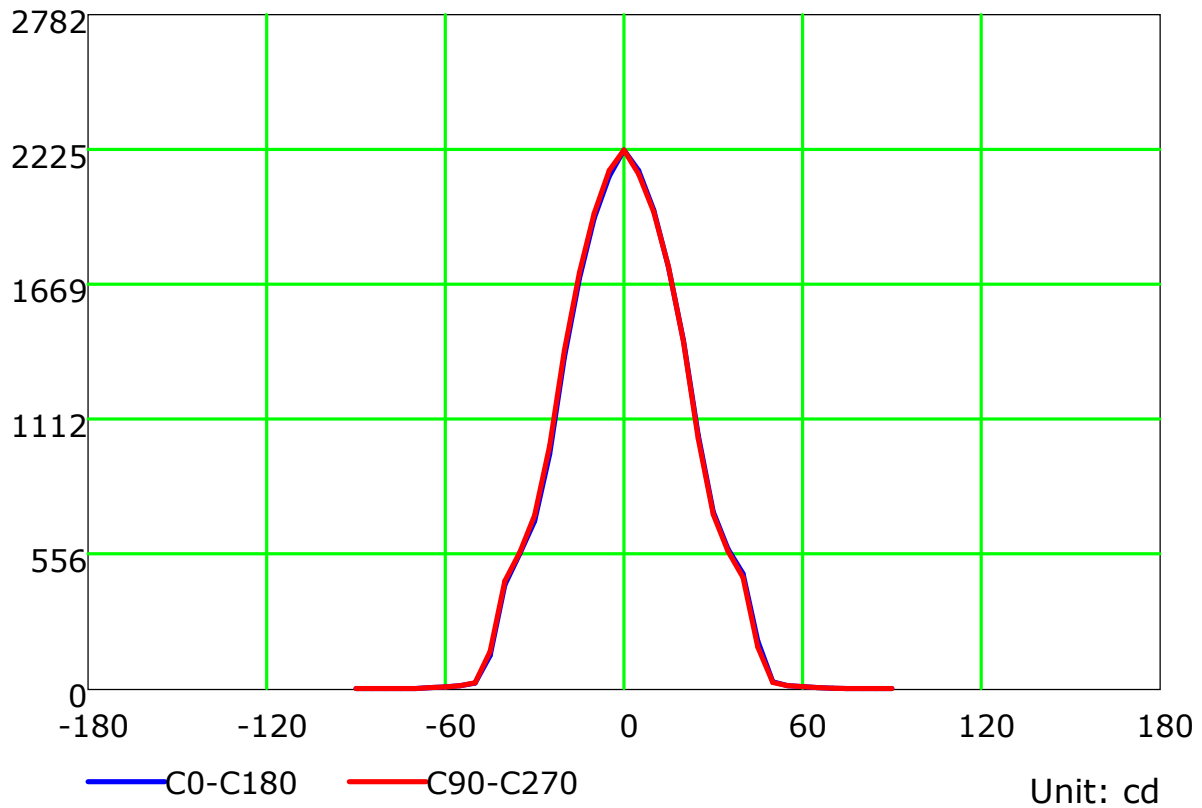
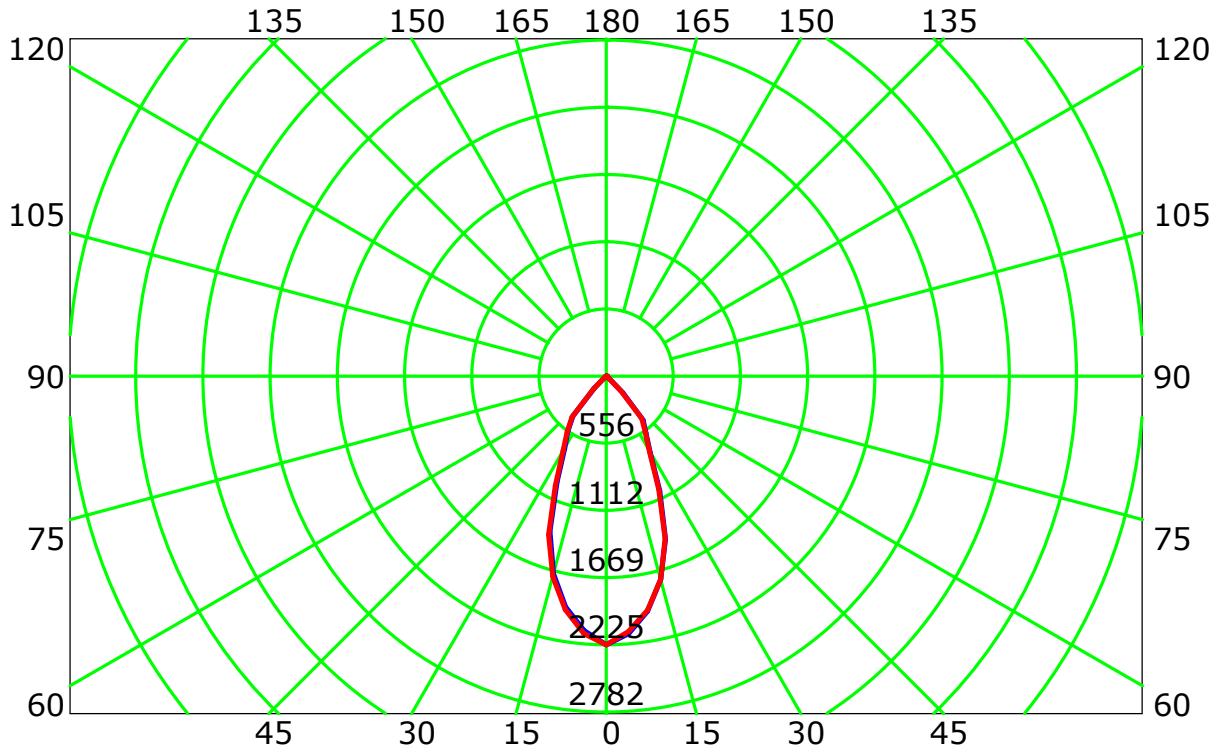
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
Test Lab: Brasled  
Test Type: TYPE C  
Temperature: 26  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: LSG-1200A  
Distance: 1.0 m  
Humidity: 60  
Inspector:

## Luminous Intensity Distribution Curve



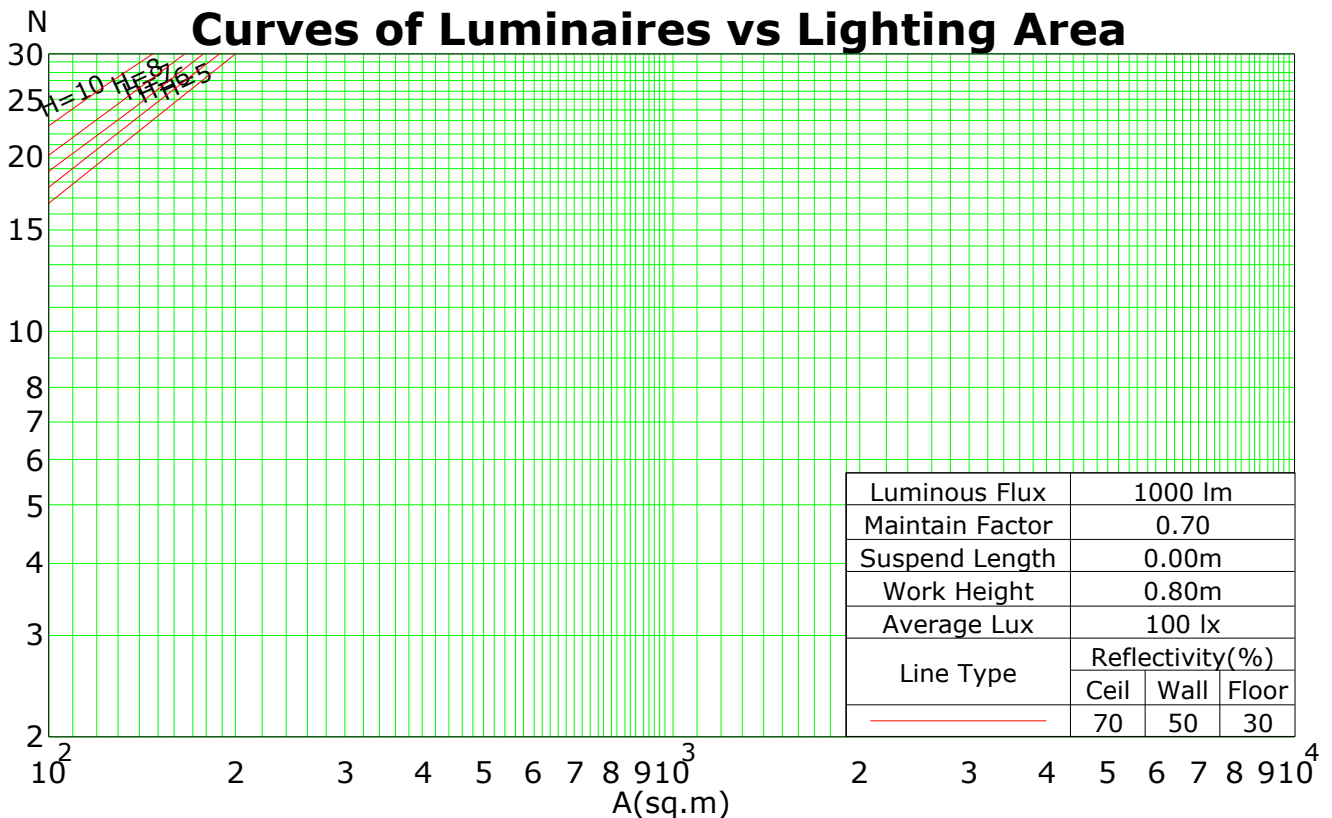
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## Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	91	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	68	86	78	72	68	76	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

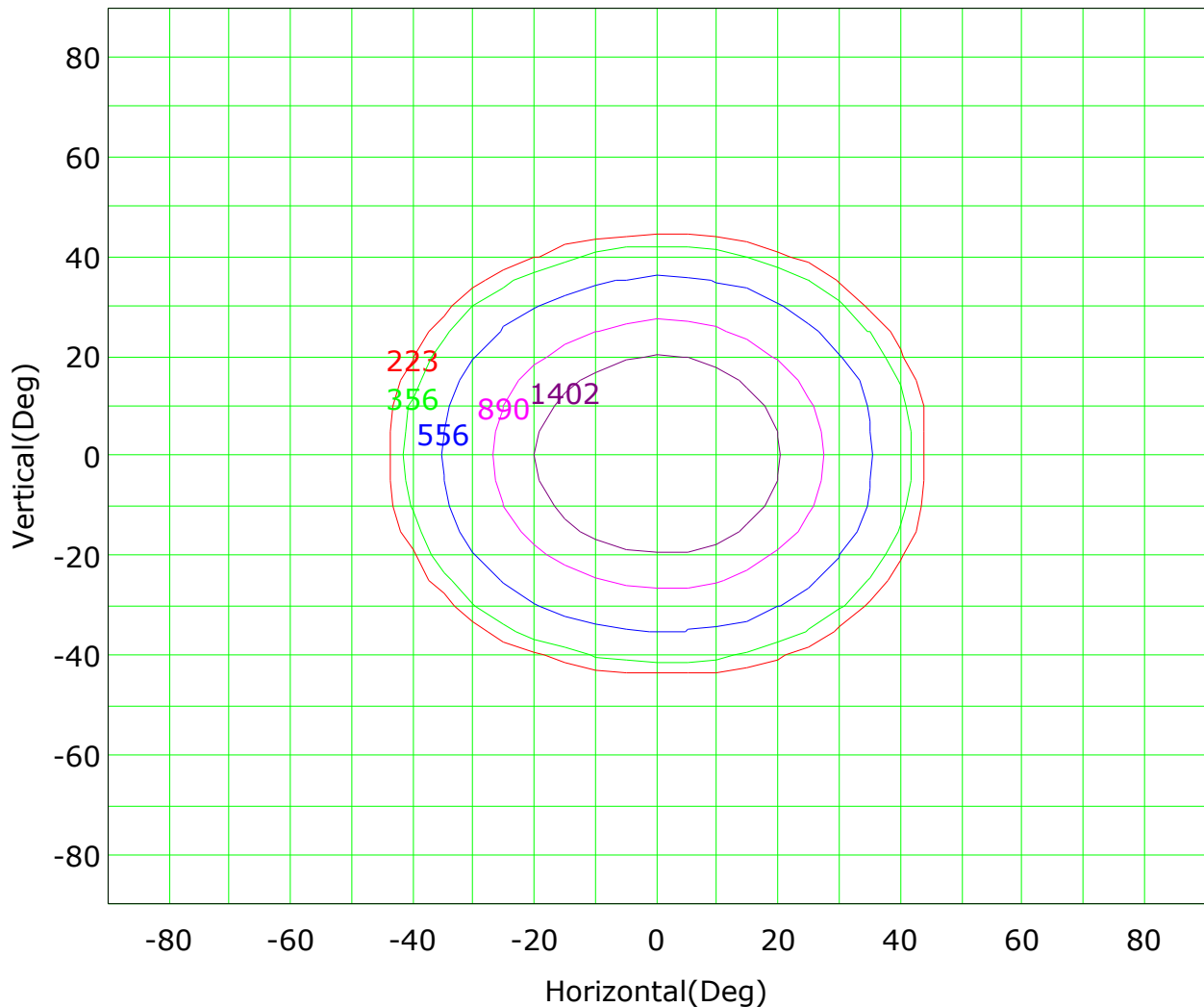
Spacing Criteria (0-180): 0.75  
 Spacing Criteria (90-270): 0.76  
 Spacing Criteria (Diagonal): 0.76



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## Isocandela (rectangle)



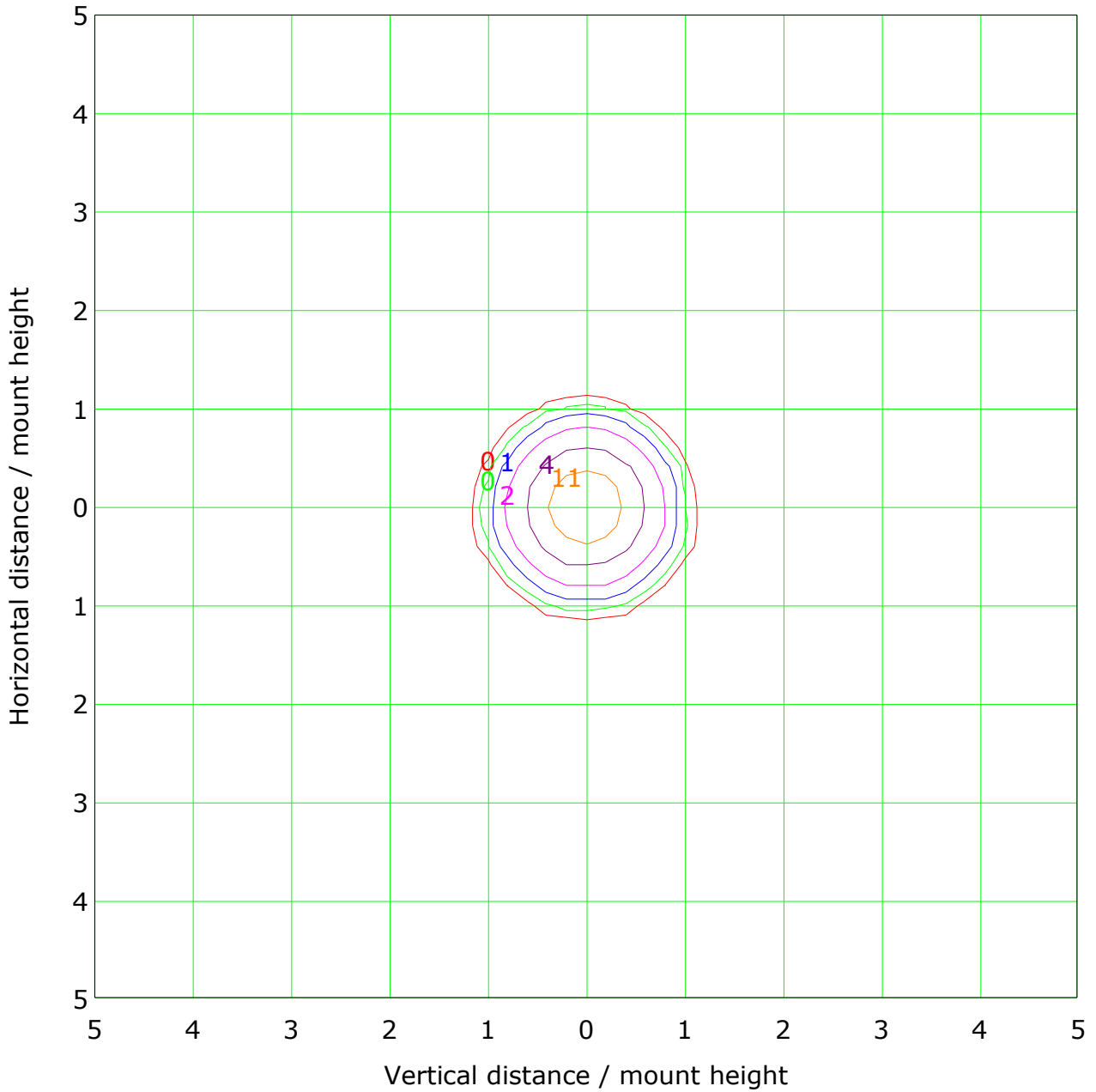
Imax (100%): 2226 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 223 cd  | — ( 16%): 356 cd  |
| — ( 25%): 556 cd  | — ( 40%): 890 cd  |
| — ( 63%): 1402 cd | — (100%): 2226 cd |

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## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 22.3 lx

— ( 1%): 0.2 lx	— ( 2%): 0.4 lx
— ( 5%): 1.1 lx	— (10%): 2.2 lx
— (20%): 4.5 lx	— (50%): 11.1 lx
— (100%): 22.3 lx	

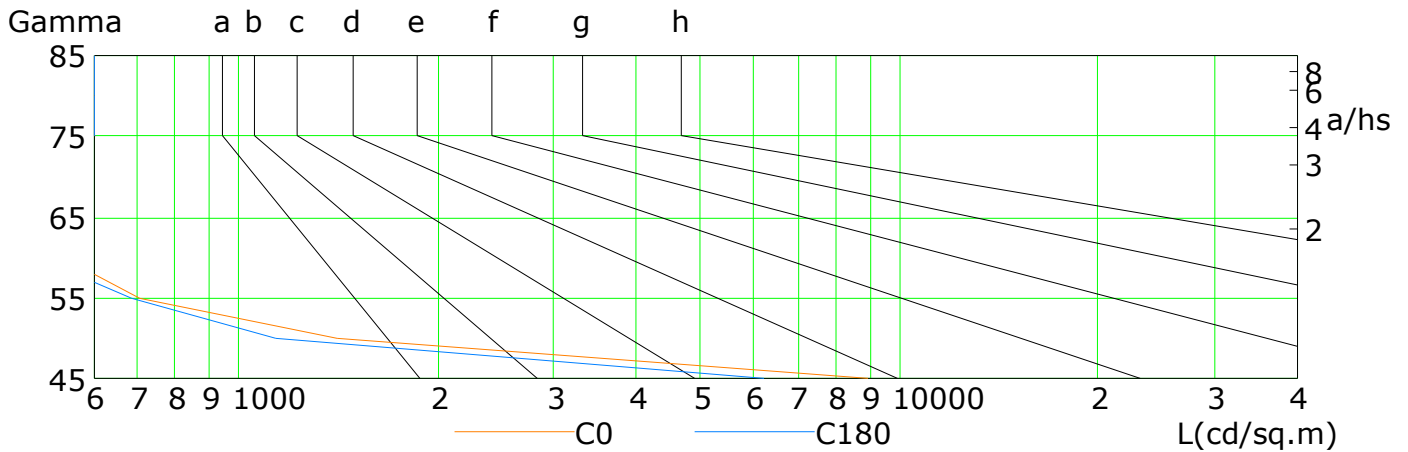
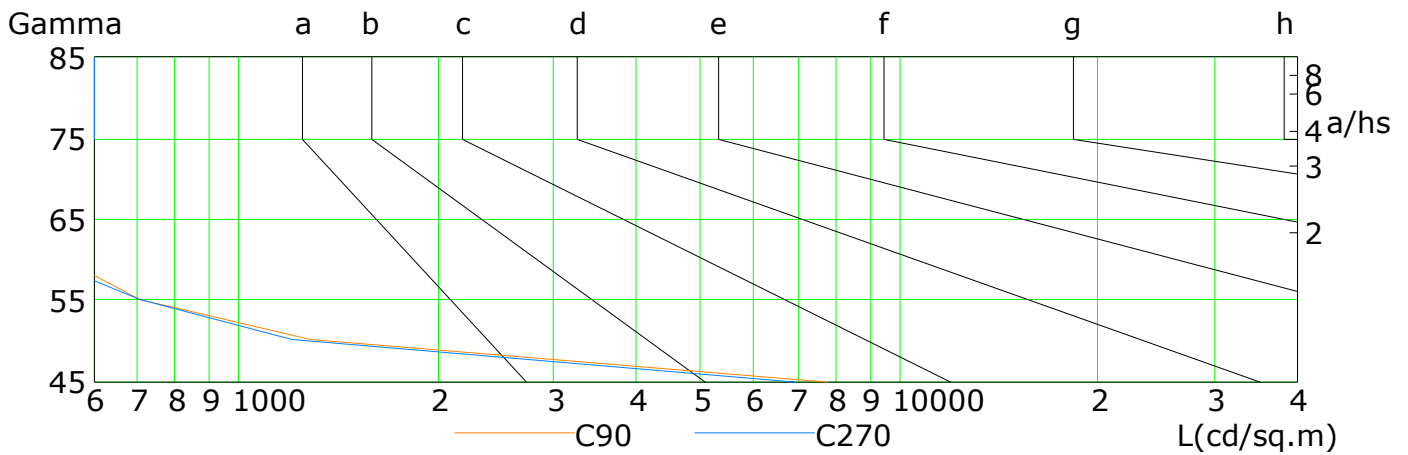
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## Lum Limit Curve

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

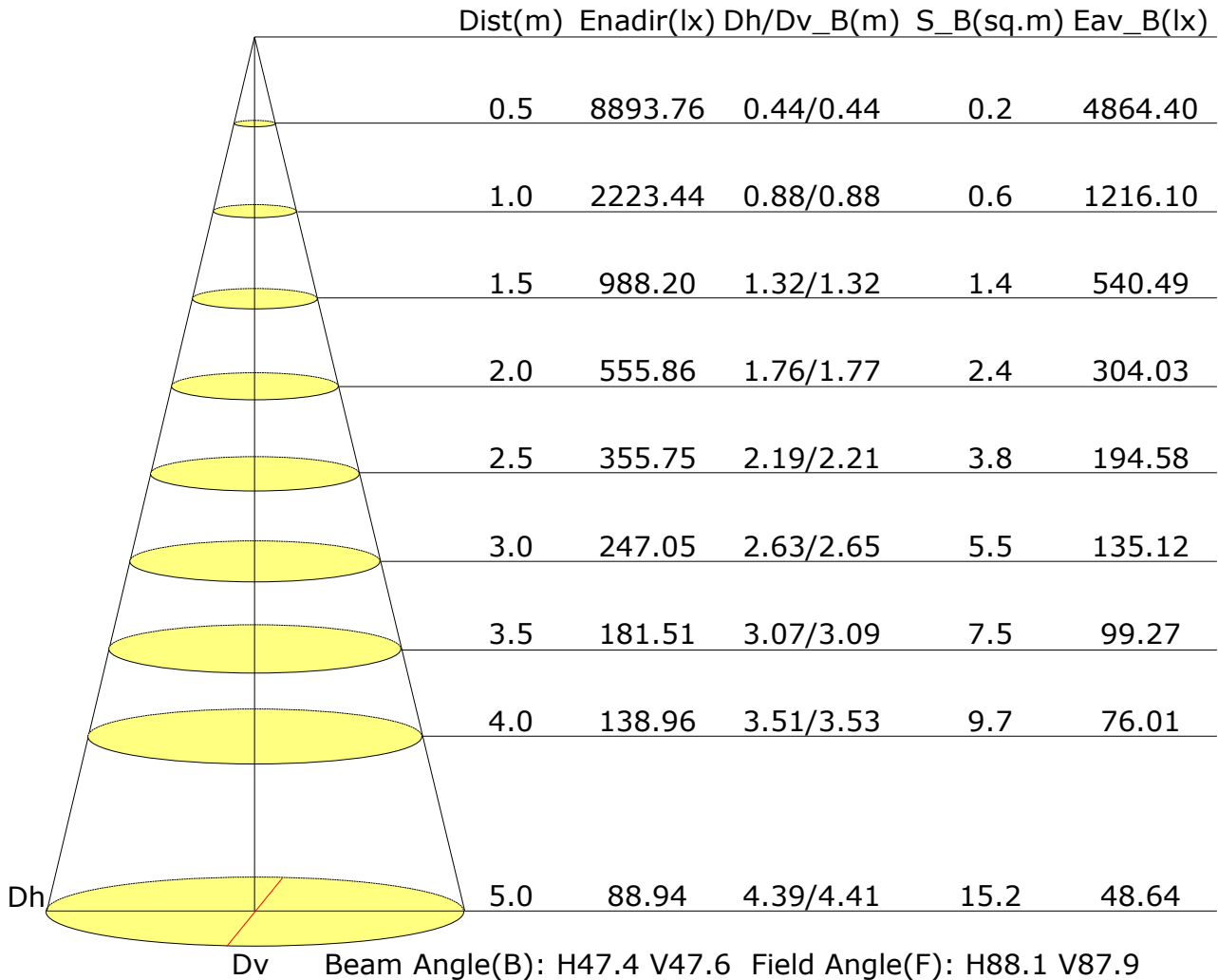


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8951	1400	702	541	377	173	0	0	0
C90	7803	1274	702	541	353	173	0	0	0
C180	6240	1133	685	501	306	115	0	0	0
C270	6972	1195	702	501	306	115	0	0	0

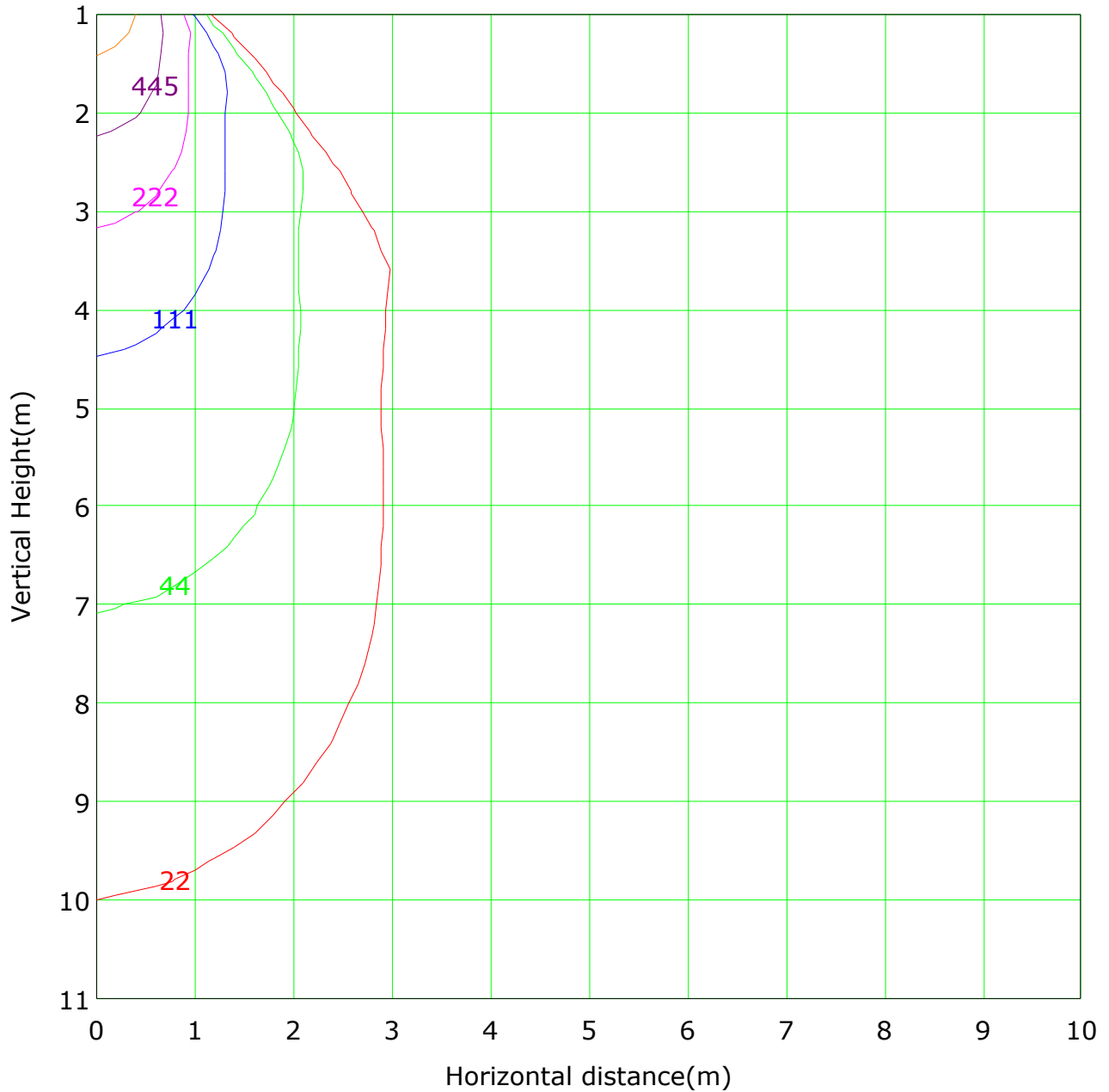
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## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 2223.4 lx  
 — ( 1%): 22.2 lx                      — ( 2%): 44.5 lx  
 — ( 5%): 111.2 lx                      — ( 10%): 222.3 lx  
 — ( 20%): 444.7 lx                      — ( 50%): 1111.7 lx  
 — (100%): 2223.4 lx

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## The Average Illuminance Effective Figure

