

Report No.: 1

Test Time: 2017-01-10 13:01

## Luminaire Property

Luminaire Category: 0400.W.H242.6  
Luminaire Description: 60037  
Length (mm): 95  
Height (mm): 3  
Current: 0.068 A  
Power Factor: 0.433

Luminaire Manufacturer: Brasled  
Width (mm): 95  
Voltage: 230.1 V  
Power: 6.77 W

## Photometric Results

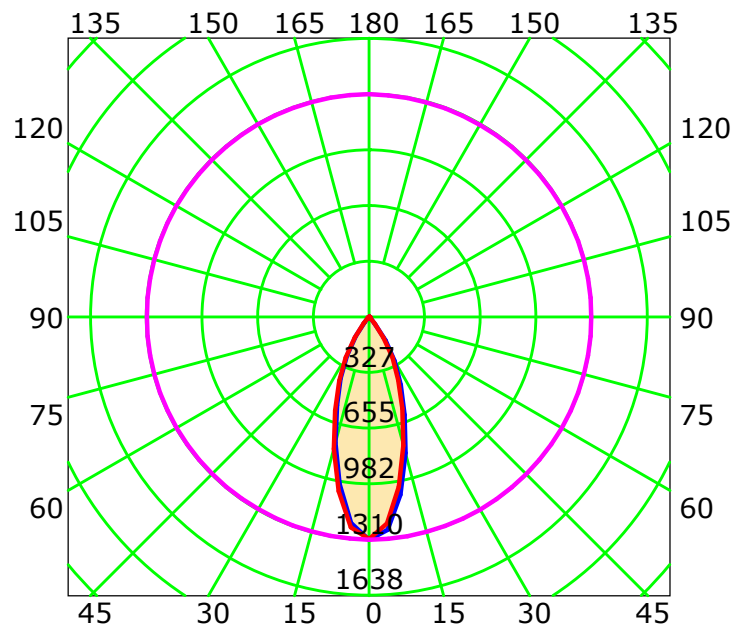
CIE Class: Direct  
Measurement Flux: 652.7 lm  
Downward Ratio: 100%  
Field Angle: H72.2 V71.9  
Luminaire Efficacy Rating (LER): 96  
Max. Intensity: 1310.66 cd

Total Rated Lamp Lumens: 652.7 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H36.7 V36.5  
Central Intensity: 1310.65 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



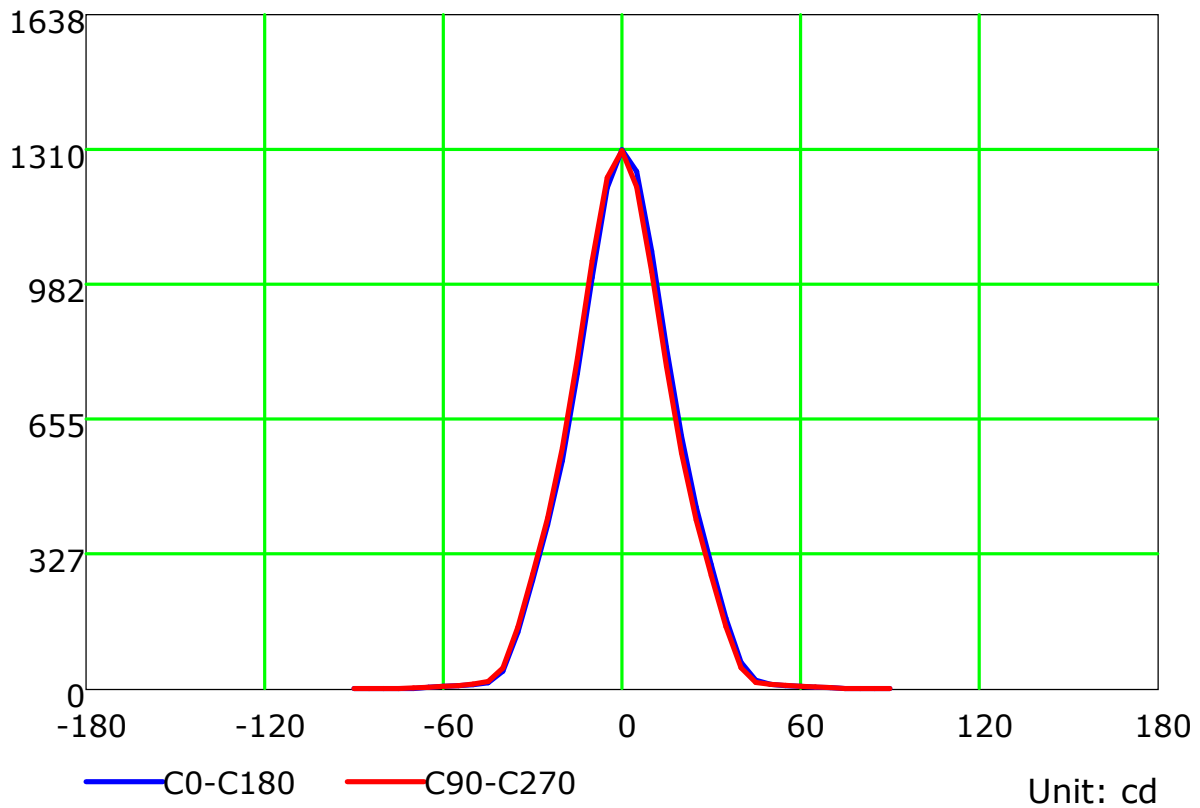
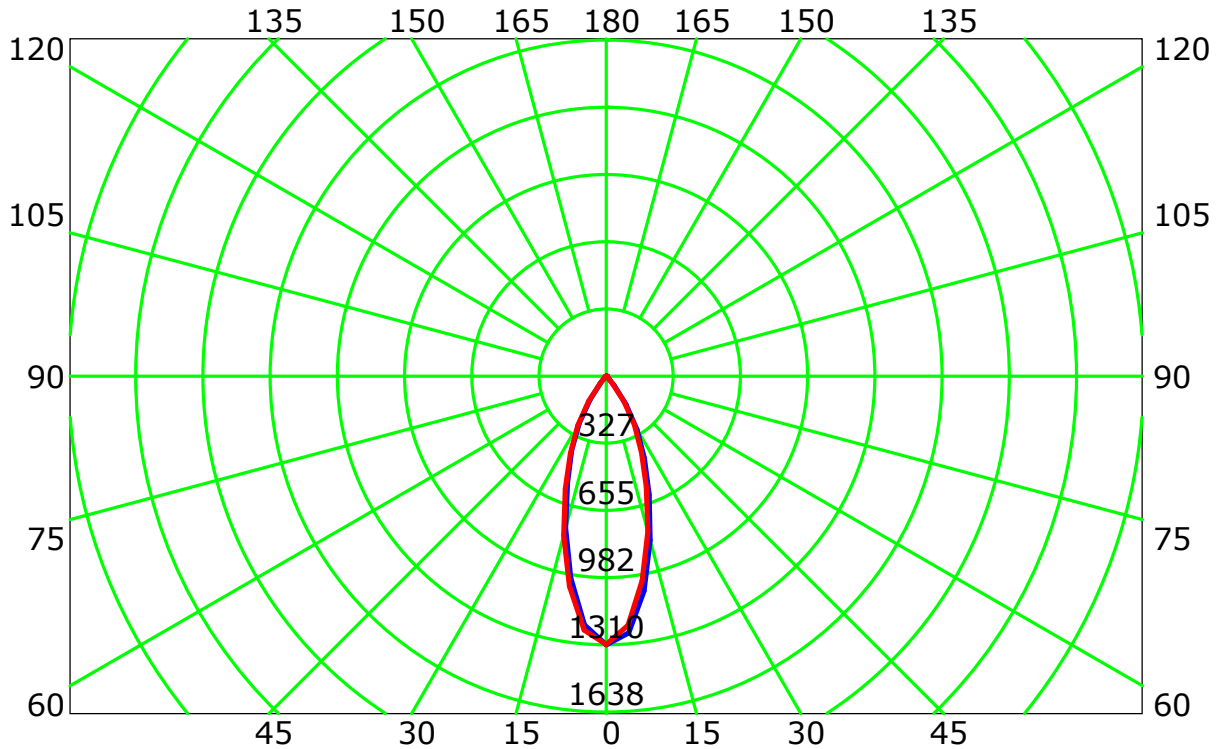
Average Diffuse Angle(50%): 36.6° Unit: cd

— C0-C180 — C90-C270 — G0

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



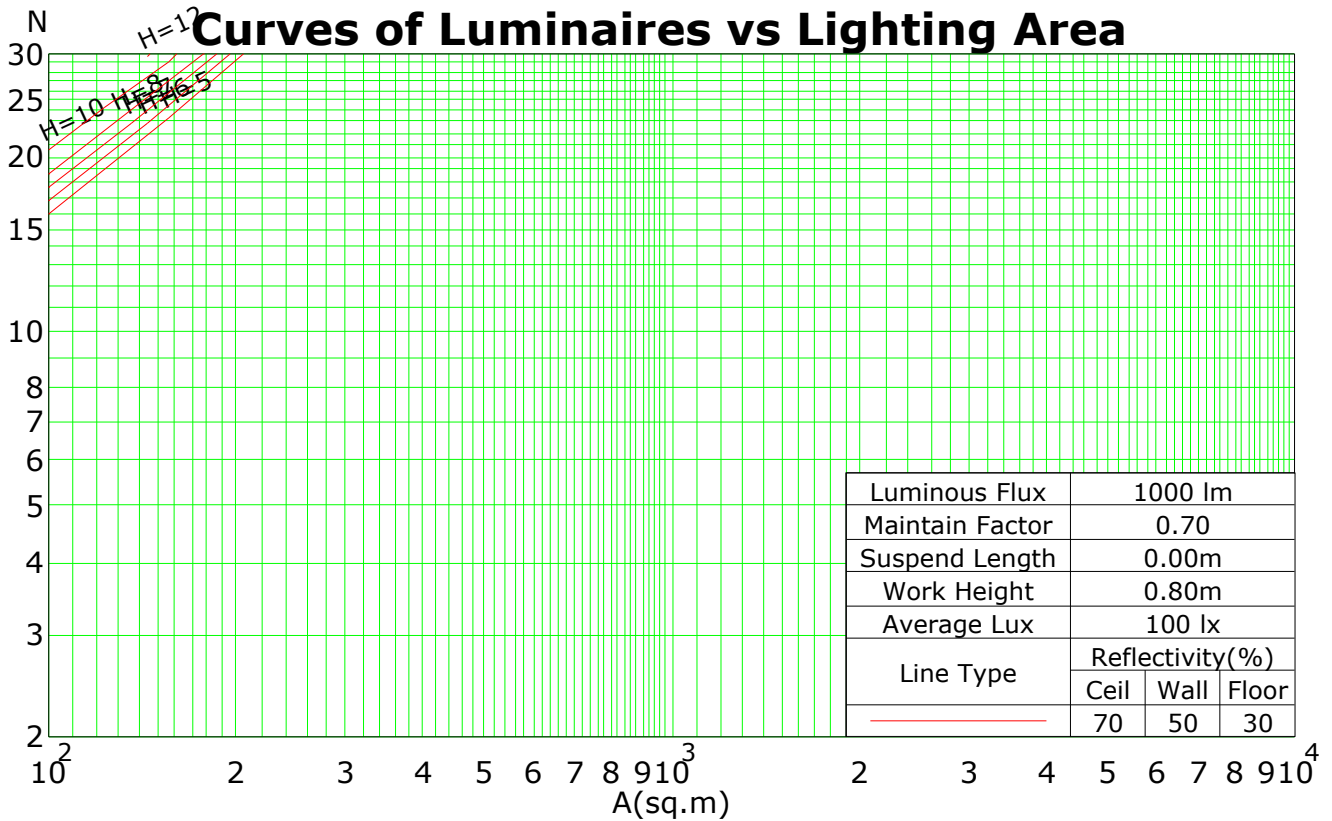
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## Coefficients Of Utilization - Zonal Cavity Method

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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	89	85	82	88	84	81	86	83	80	79
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	66	72	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

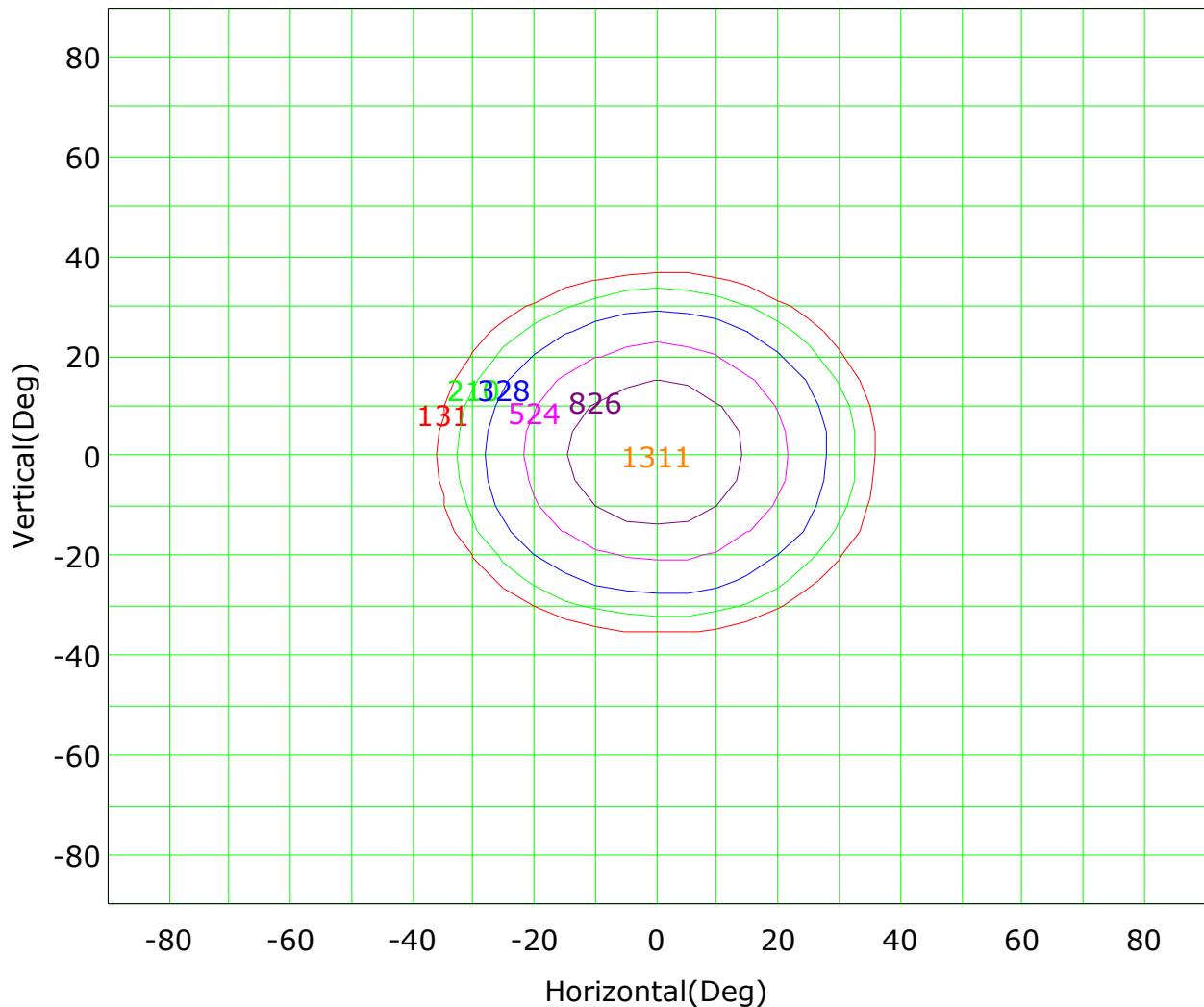
Spacing Criteria (0-180): 0.59  
 Spacing Criteria (90-270): 0.58  
 Spacing Criteria (Diagonal): 0.64



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## Isocandela (rectangle)



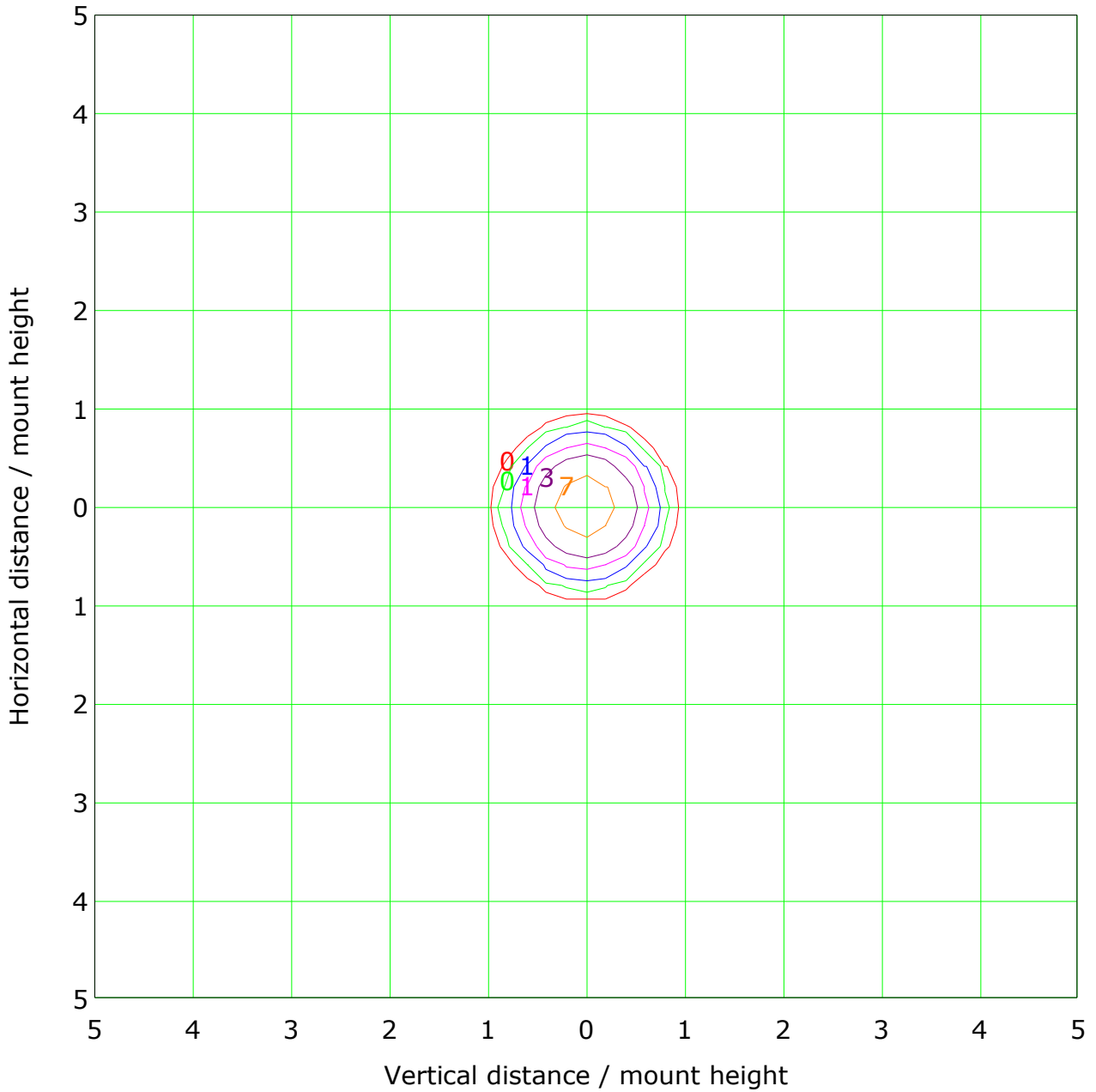
Imax (100%): 1311 cd

- |                  |                   |
|------------------|-------------------|
| — ( 10%): 131 cd | — ( 16%): 210 cd  |
| — ( 25%): 328 cd | — ( 40%): 524 cd  |
| — ( 63%): 826 cd | — (100%): 1311 cd |

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## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 13.1 lx	
— ( 1%):	0.1 lx	— ( 2%):	0.3 lx
— ( 5%):	0.7 lx	— ( 10%):	1.3 lx
— ( 20%):	2.6 lx	— ( 50%):	6.6 lx
— (100%):	13.1 lx		

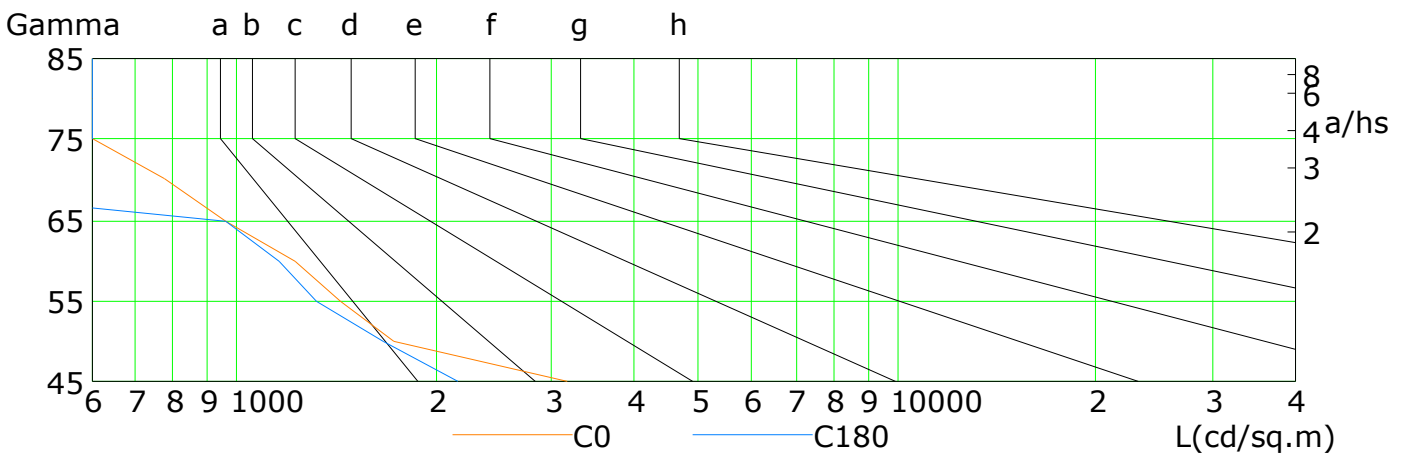
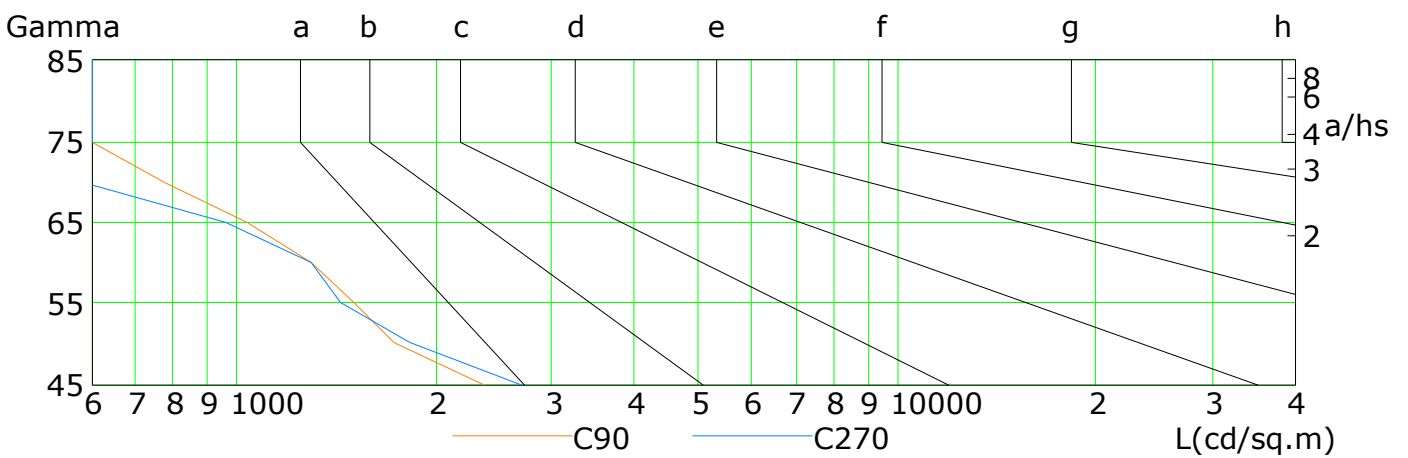
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## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B								
1.85	C								
2.20	D								
2.55	E								

a b c d e f g h

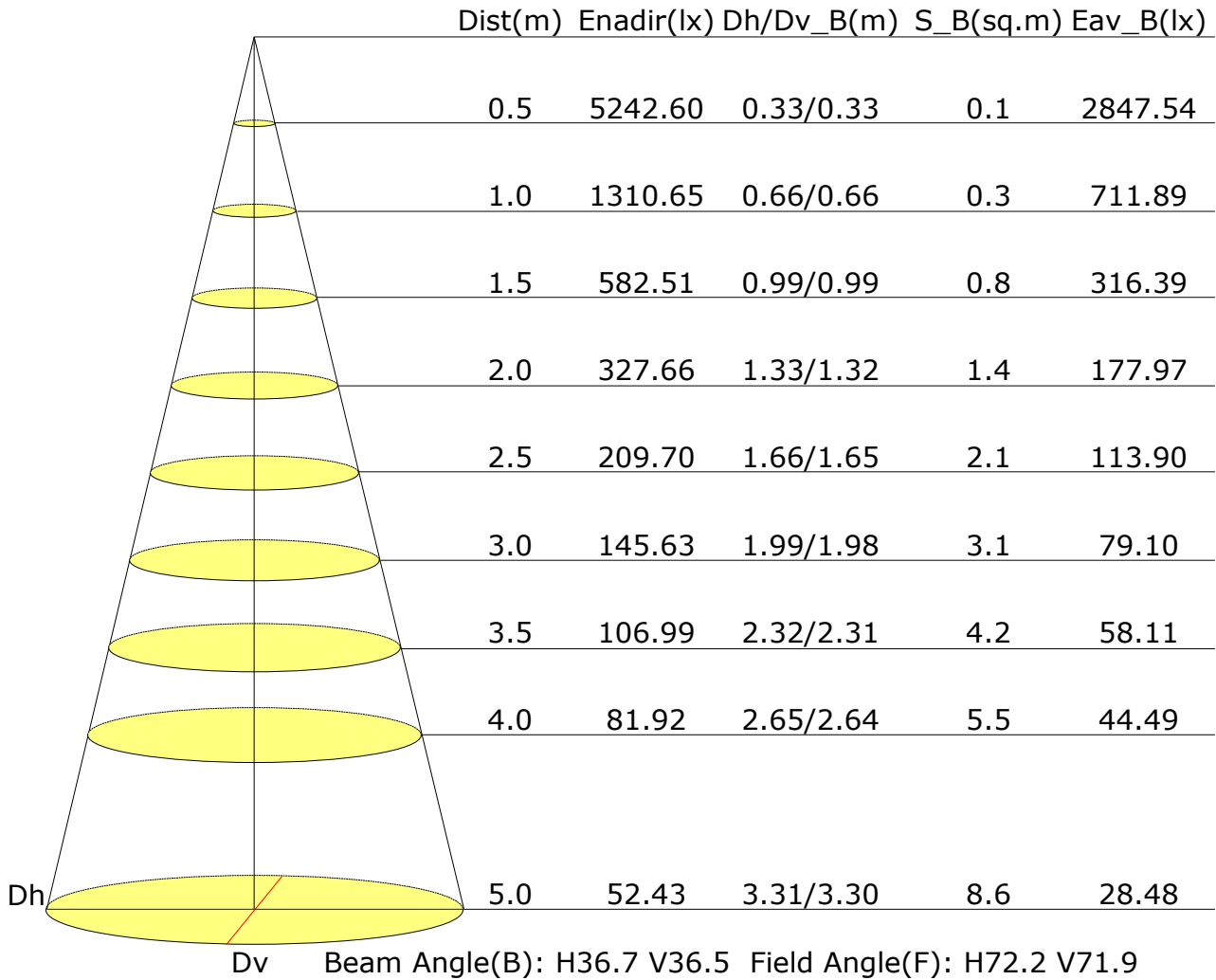


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3149	1723	1436	1225	955	772	0	0	0
C90	2362	1723	1497	1292	1034	772	0	0	0
C180	2165	1668	1318	1158	955	194	0	0	0
C270	2707	1829	1436	1292	955	578	0	0	0

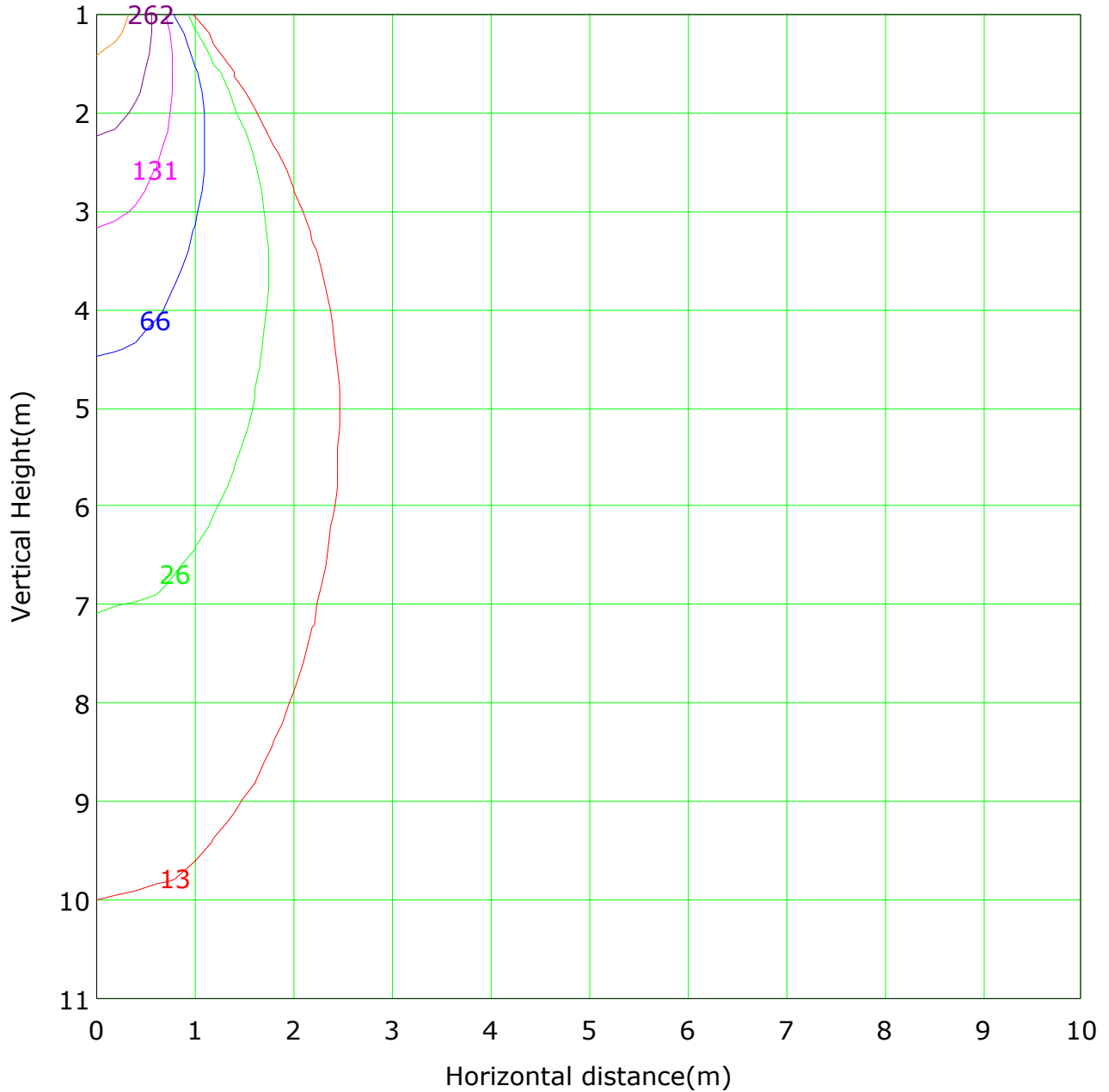
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## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1310.7 lx

— ( 1%): 13.1 lx	— ( 2%): 26.2 lx
— ( 5%): 65.5 lx	— ( 10%): 131.1 lx
— ( 20%): 262.1 lx	— ( 50%): 655.3 lx
— (100%):1310.7 lx	



## The Average Illuminance Effective Figure

