

Report No.: 1

Test Time: 2017-01-11 14:44

## Luminaire Property

Luminaire Category: 0405.W.U541.6  
Luminaire Description: 60040  
Length (mm): 158  
Height (mm): 3  
Current: 0.082 A  
Power Factor: 0.964

Luminaire Manufacturer: Brasled  
Width (mm): 158  
Voltage: 230.1 V  
Power: 18.27 W

## Photometric Results

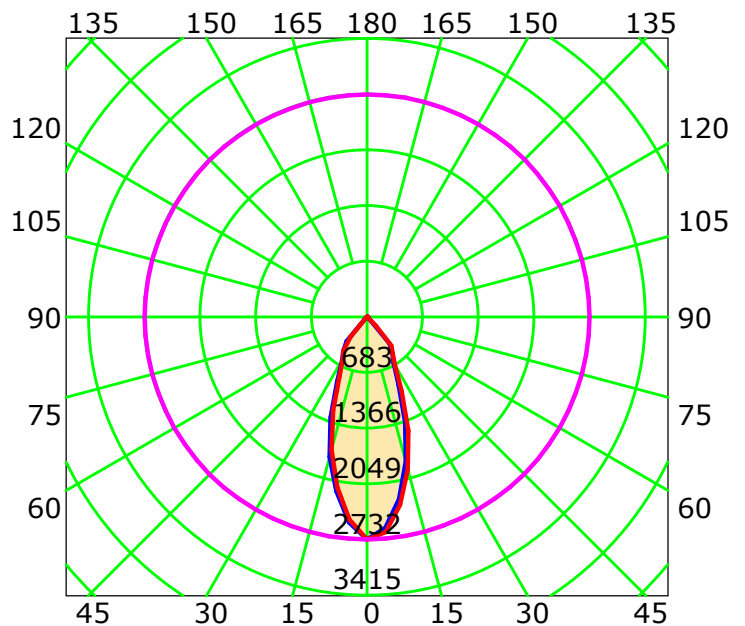
CIE Class: Direct  
Measurement Flux: 1627.5 lm  
Downward Ratio: 100%  
Field Angle: H83.9 V83.9  
Luminaire Efficacy Rating (LER): 89  
Max. Intensity: 2732.29 cd

Total Rated Lamp Lumens: 1627.5 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H39.5 V39.8  
Central Intensity: 2730.94 cd  
Pos of Max. Intensity: H135 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



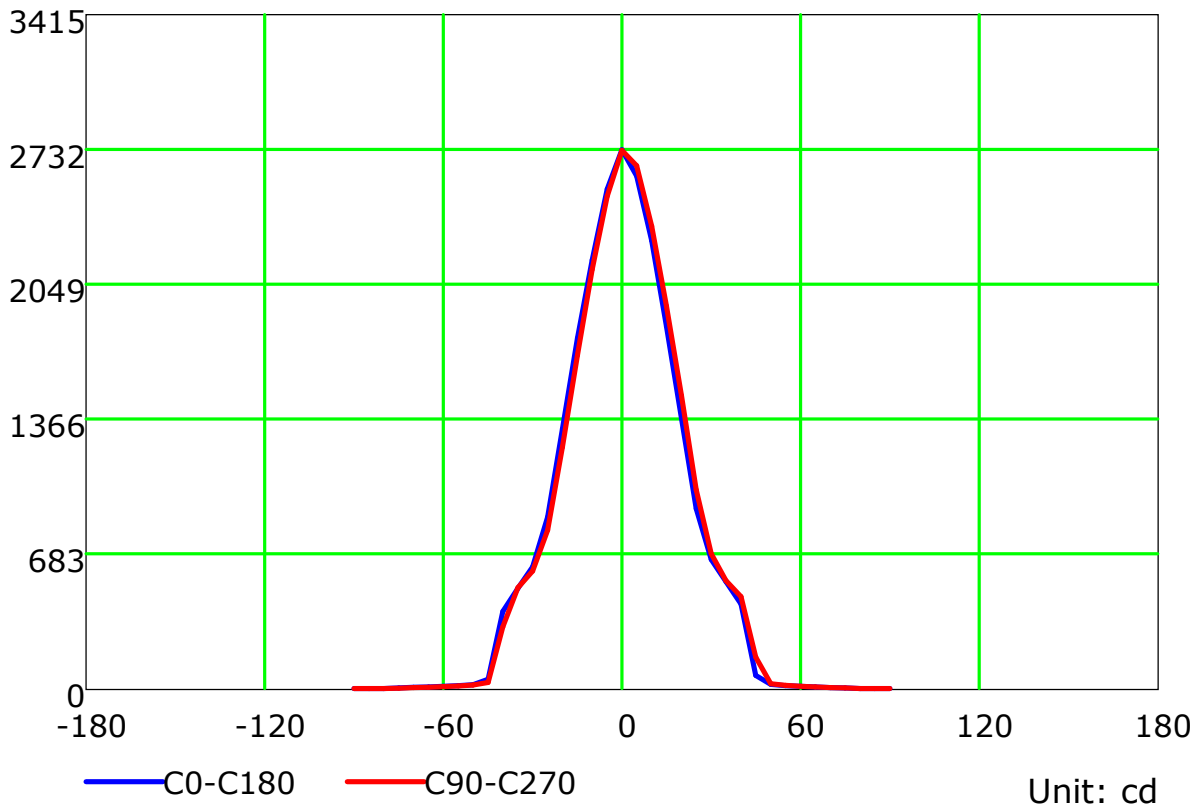
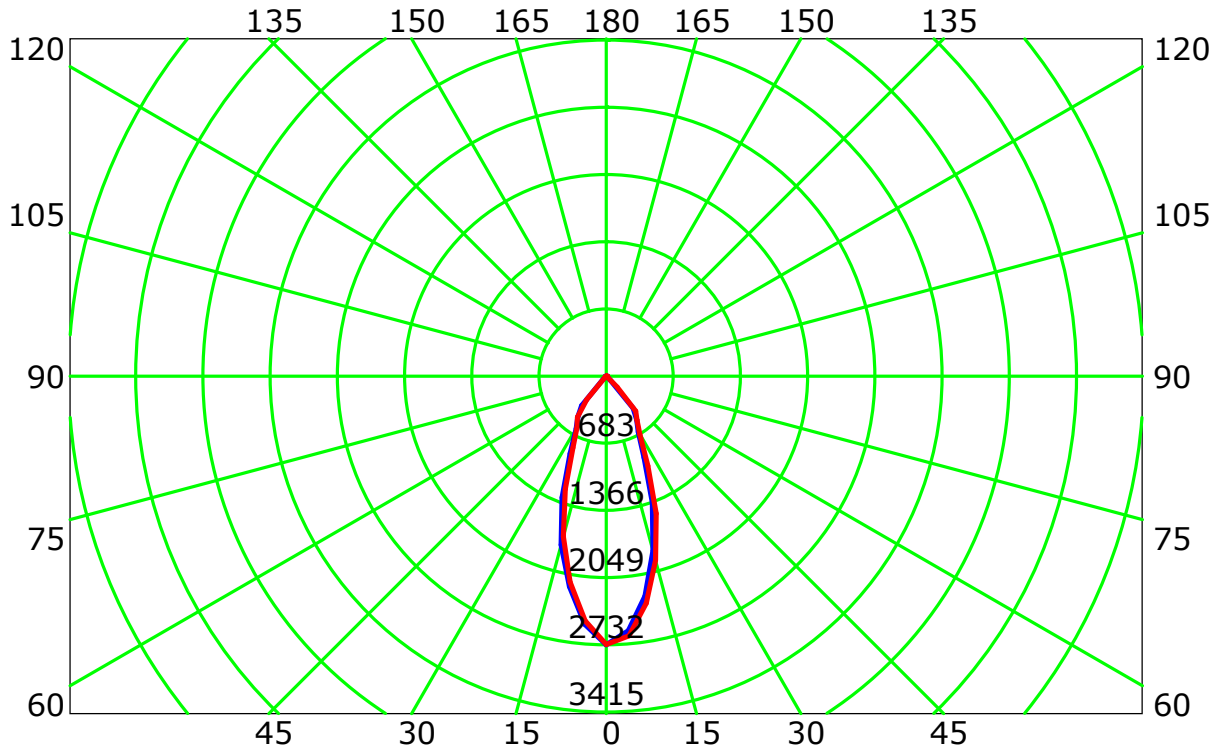
Unit: cd  
Average Diffuse Angle(50%): 39.6

— 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



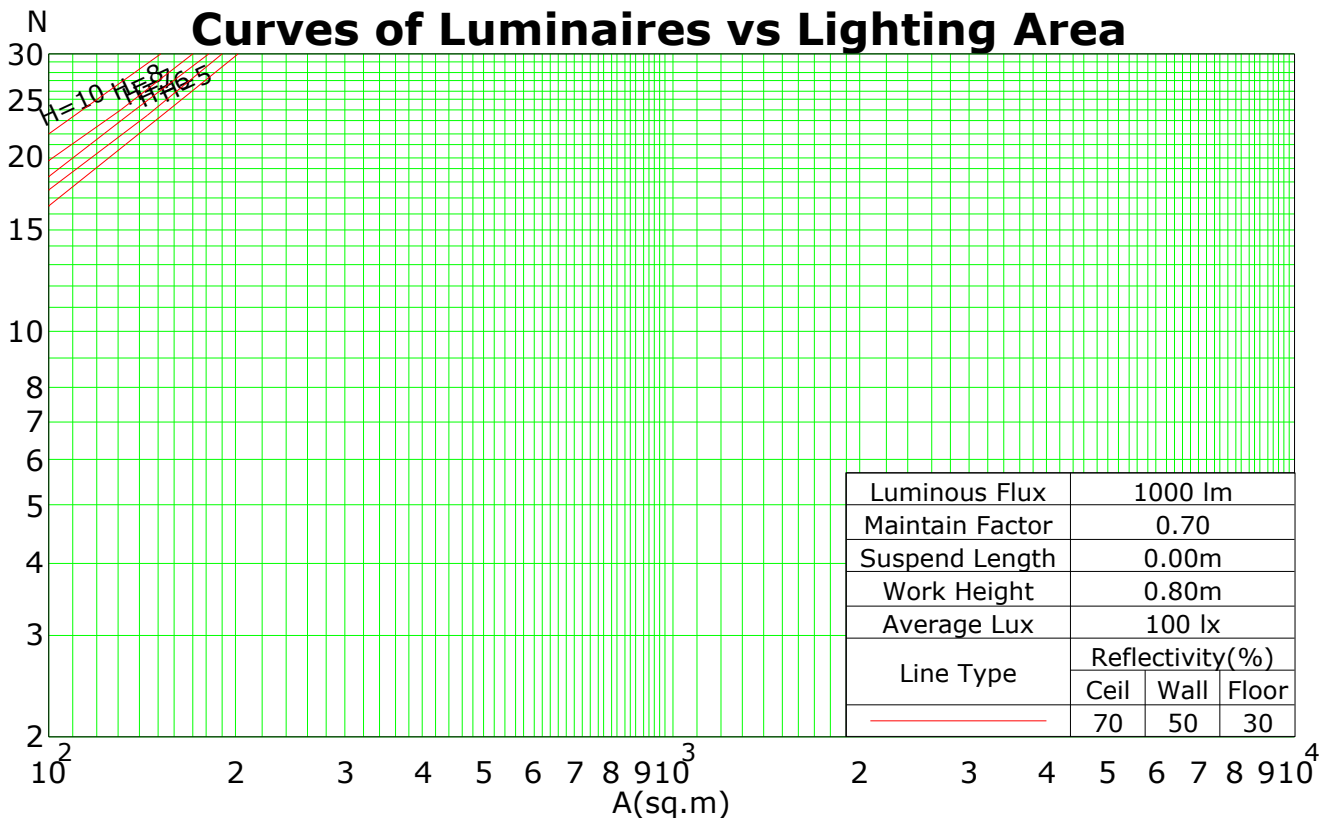
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## Coefficients Of Utilization - Zonal Cavity Method

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	59	55	63	58	55	62	58	55	54

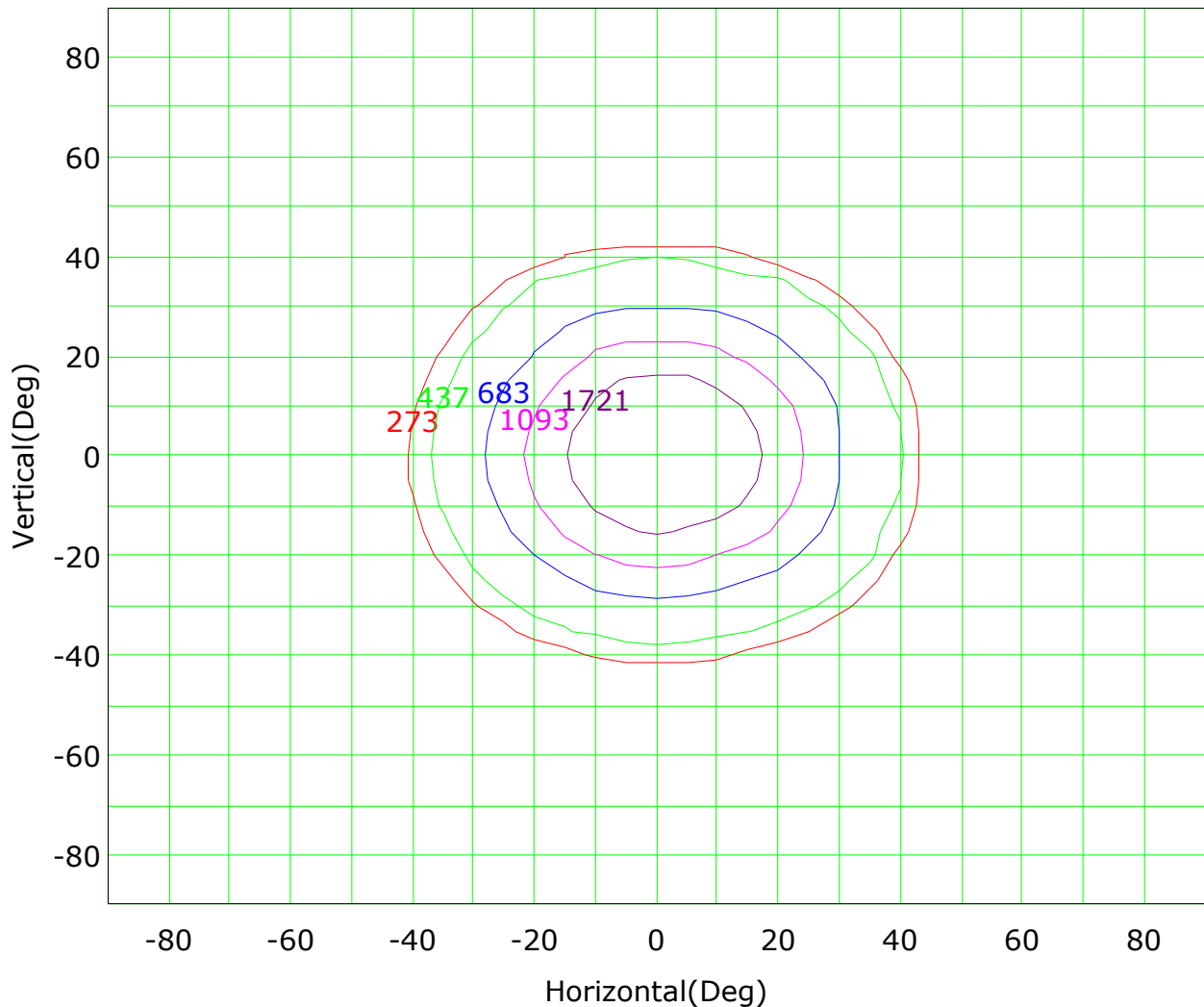
Spacing Criteria (0-180): 0.63  
 Spacing Criteria (90-270): 0.63  
 Spacing Criteria (Diagonal): 0.65



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## Isocandela (rectangle)



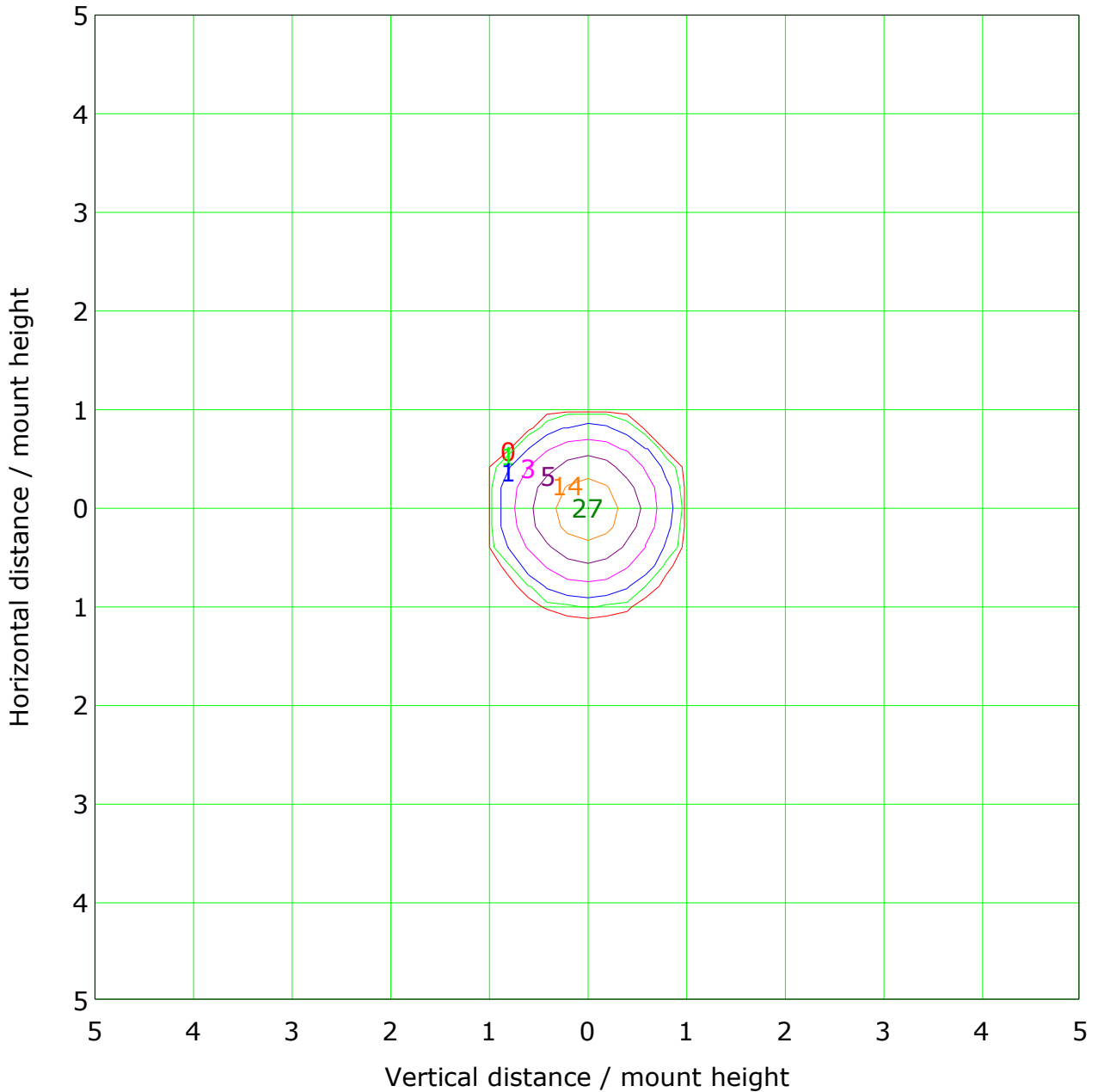
Imax (100%): 2732 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 273 cd  | — ( 16%): 437 cd  |
| — ( 25%): 683 cd  | — ( 40%): 1093 cd |
| — ( 63%): 1721 cd | — (100%): 2732 cd |

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## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 27.3 lx

— ( 1%): 0.3 lx	— ( 2%): 0.5 lx
— ( 5%): 1.4 lx	— (10%): 2.7 lx
— (20%): 5.5 lx	— (50%): 13.7 lx
— (100%): 27.3 lx	

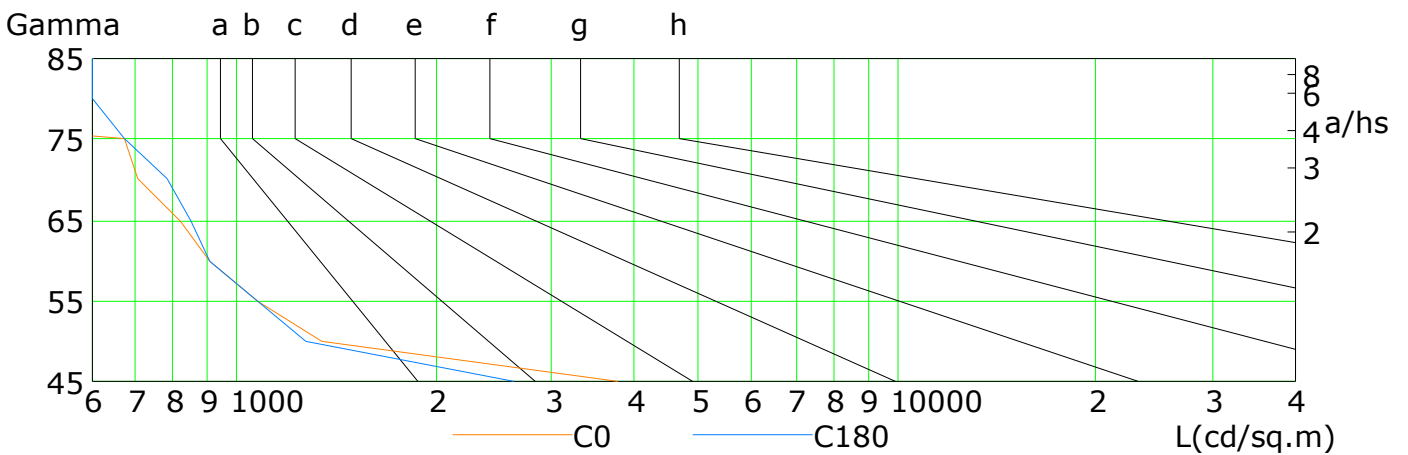
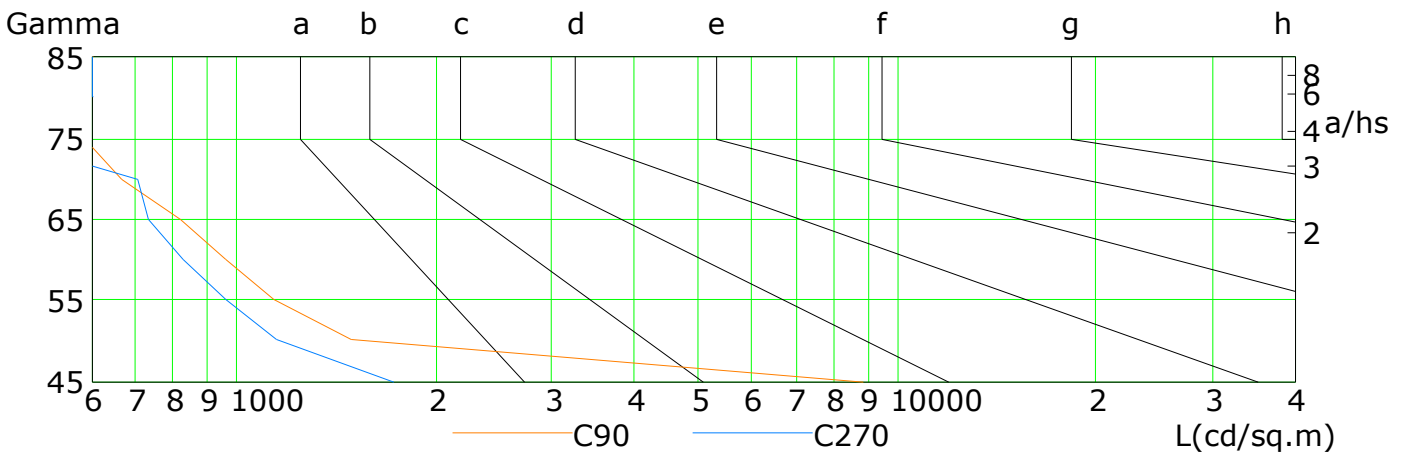
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## Lum Limit Curve

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

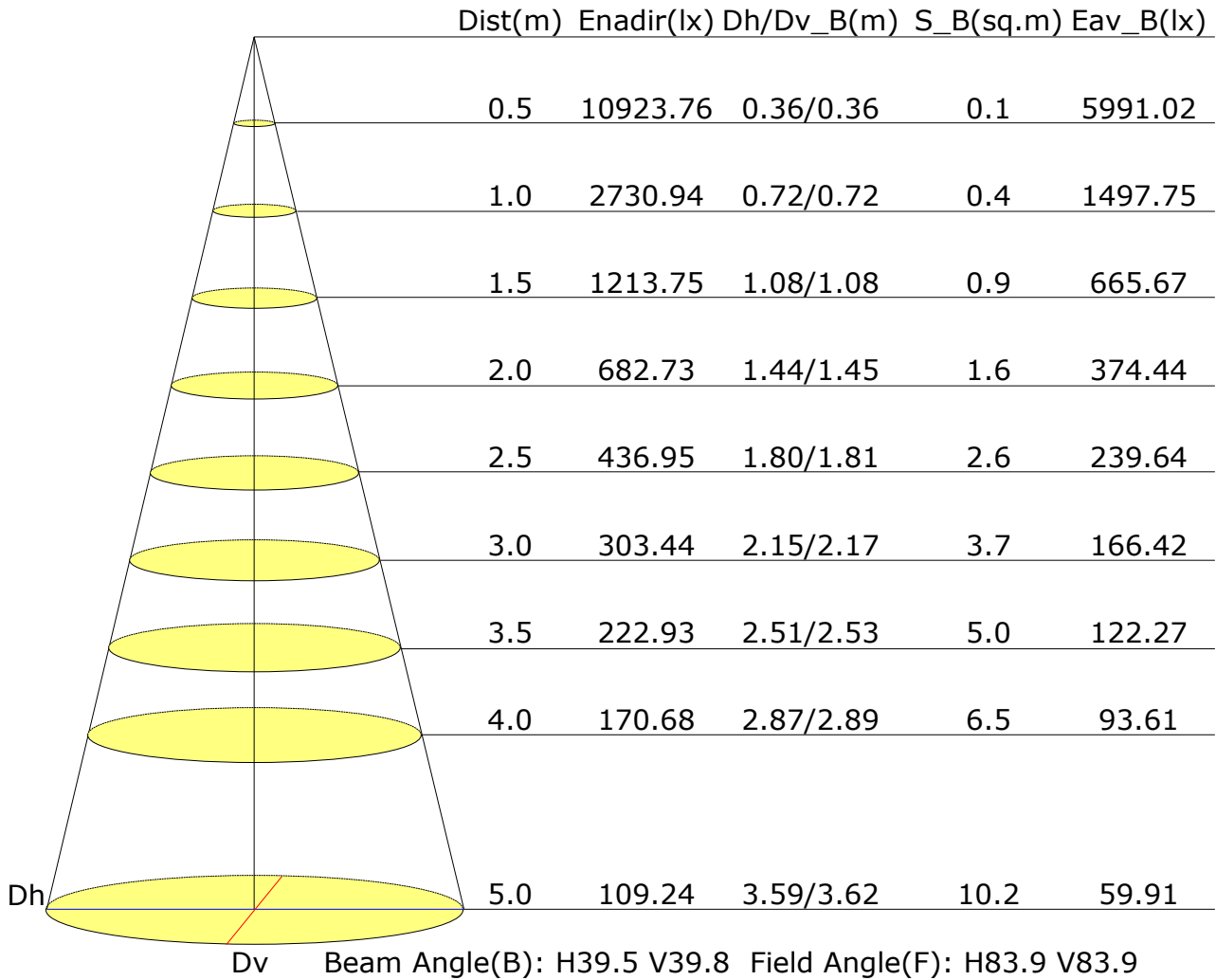


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3775	1346	1069	908	822	708	676	69	0
C90	8908	1488	1138	960	822	670	580	69	0
C180	2622	1264	1069	908	853	781	676	0	0
C270	1730	1141	955	830	731	708	435	0	0

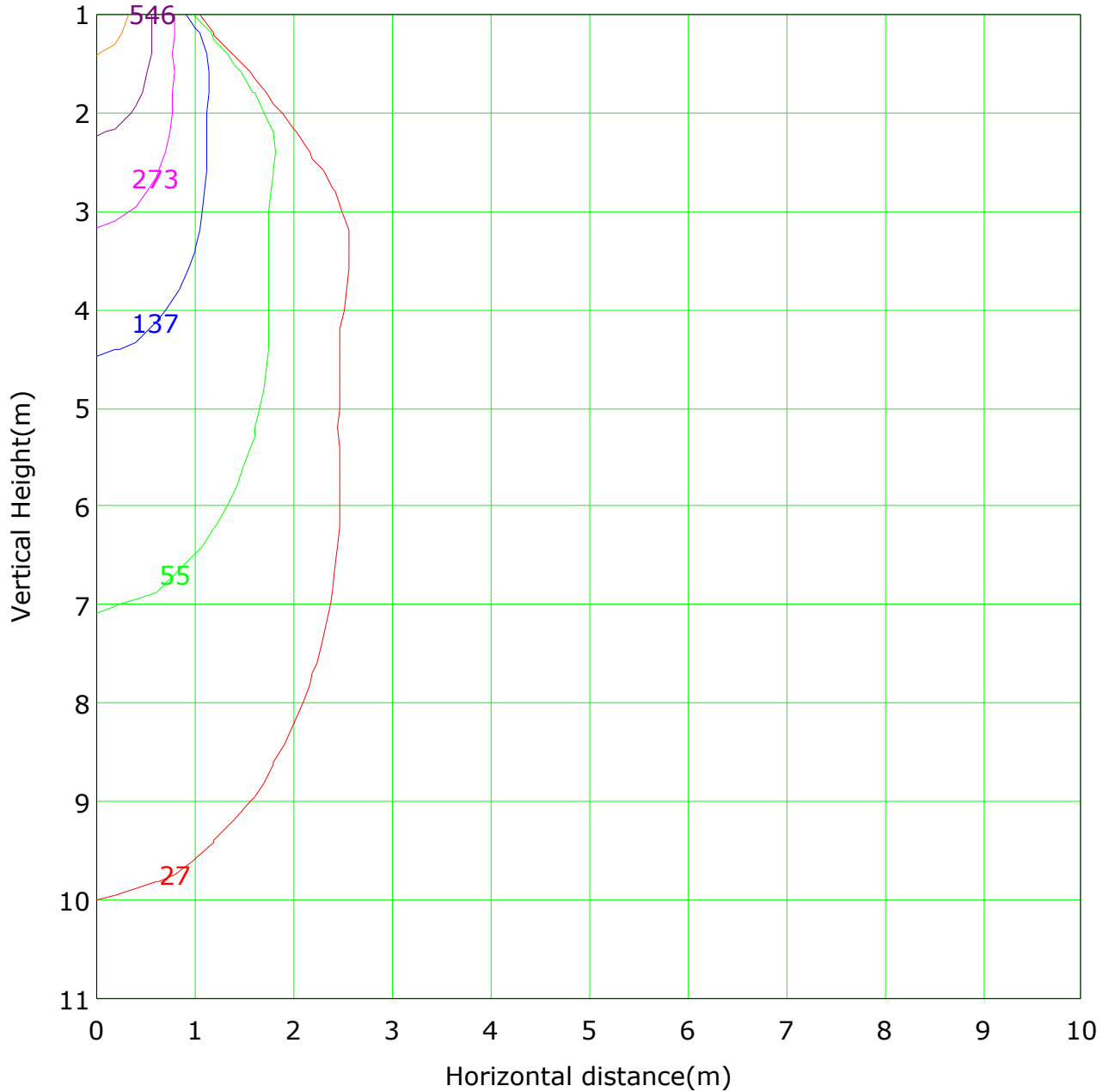
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## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 2730.9 lx  
 ( 1%): 27.3 lx                      ( 2%): 54.6 lx  
 ( 5%): 136.5 lx                      ( 10%): 273.1 lx  
 ( 20%): 546.2 lx                      ( 50%): 1365.5 lx  
 (100%): 2730.9 lx

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## The Average Illuminance Effective Figure

