

Report No.: 1

Test Time: 2017-01-09 15:16

Luminaire Property

Luminaire Category: 0124.W.U941.6
Luminaire Description: 60078
Length (mm): 225
Height (mm): 10
Current: 0.142 A
Power Factor: 0.970

Luminaire Manufacturer: Brasled
Width (mm): 225
Voltage: 230.1 V
Power: 31.78 W

Photometric Results

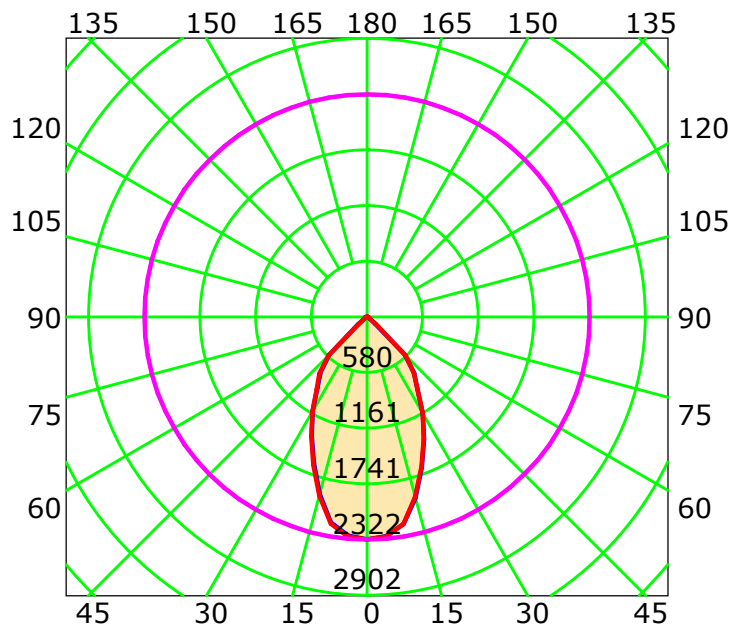
CIE Class: Direct
Measurement Flux: 2465.8 lm
Downward Ratio: 100%
Field Angle: H97.4 V97.5
Luminaire Efficacy Rating (LER): 78
Max. Intensity: 2322.27 cd

Total Rated Lamp Lumens: 2465.8 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H59.6 V59.8
Central Intensity: 2321.95 cd
Pos of Max. Intensity: H67.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



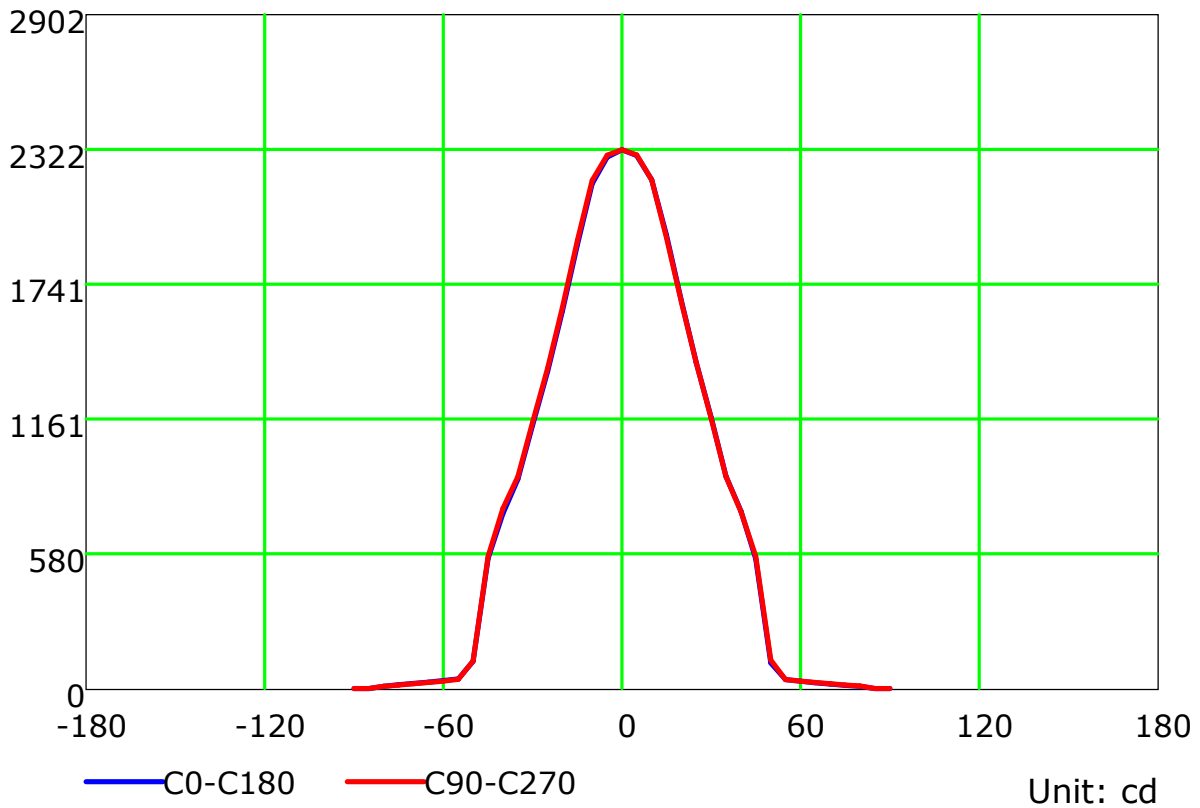
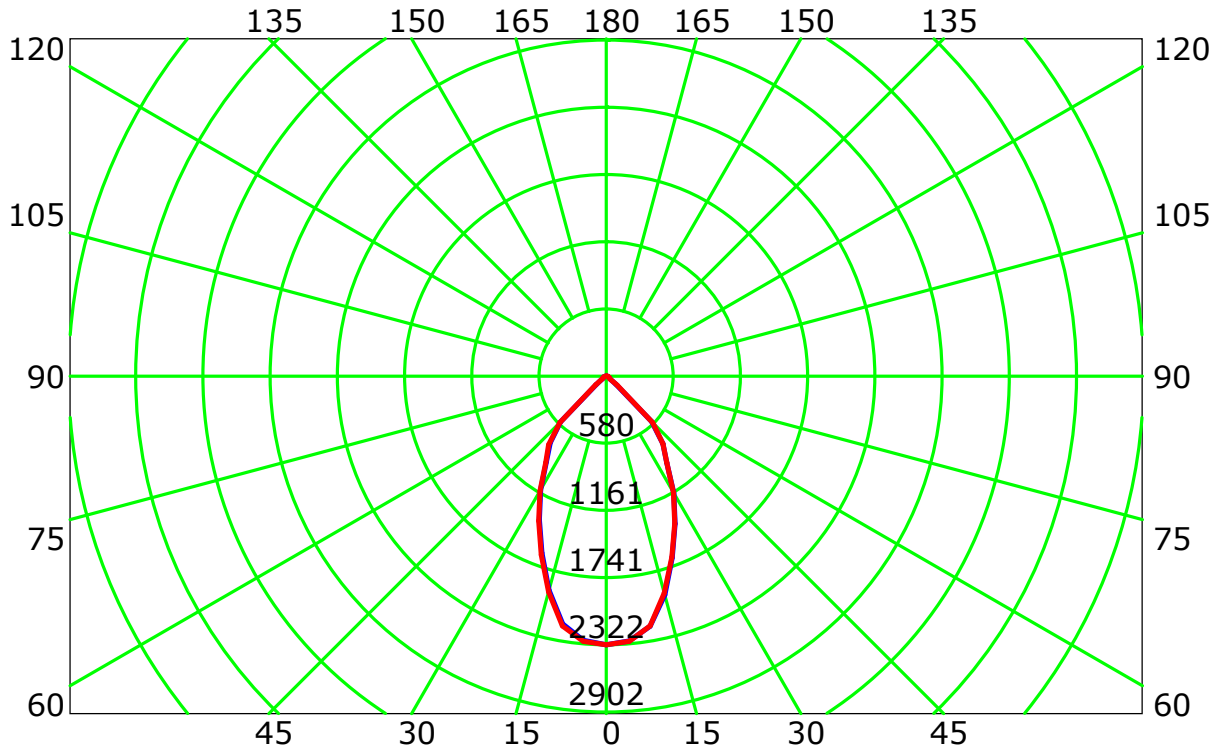
Average Diffuse Angle(50%): 59.7° Unit: cd

— 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



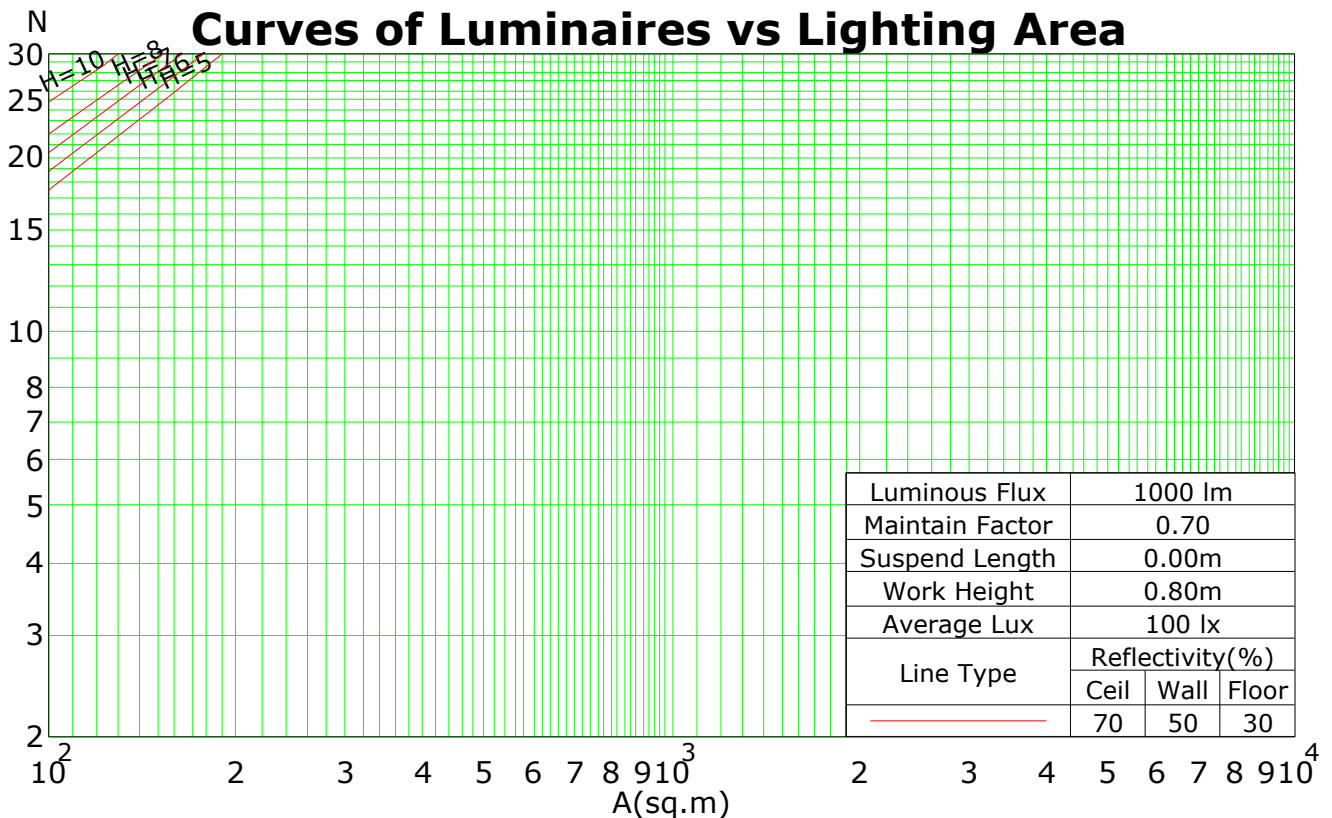
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Coefficients Of Utilization - Zonal Cavity Method

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	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65
6	84	74	67	63	82	73	67	62	72	66	62	70	65	61	69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55
8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

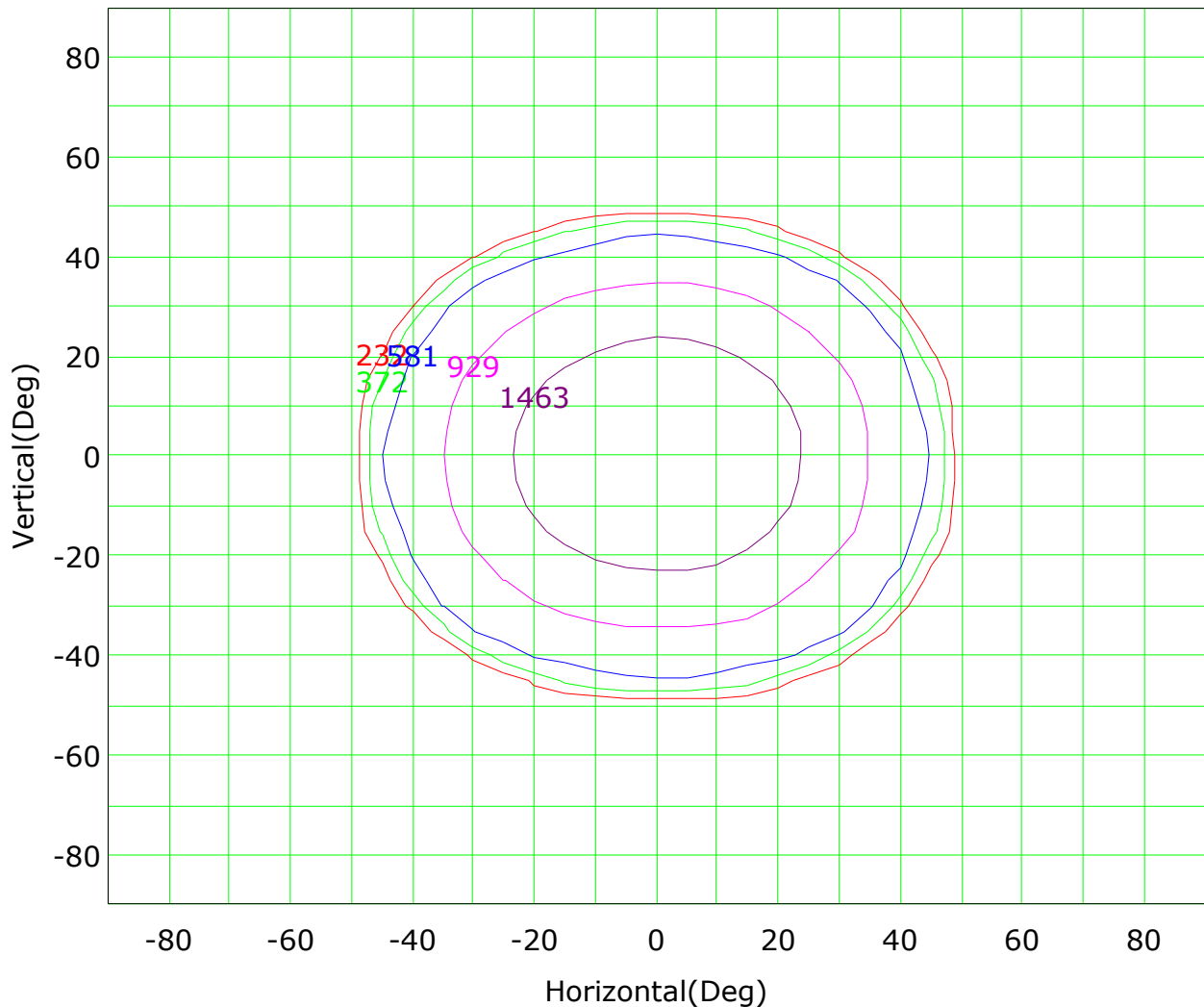
Spacing Criteria (0-180): 0.85
 Spacing Criteria (90-270): 0.85
 Spacing Criteria (Diagonal): 0.93



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Isocandela (rectangle)



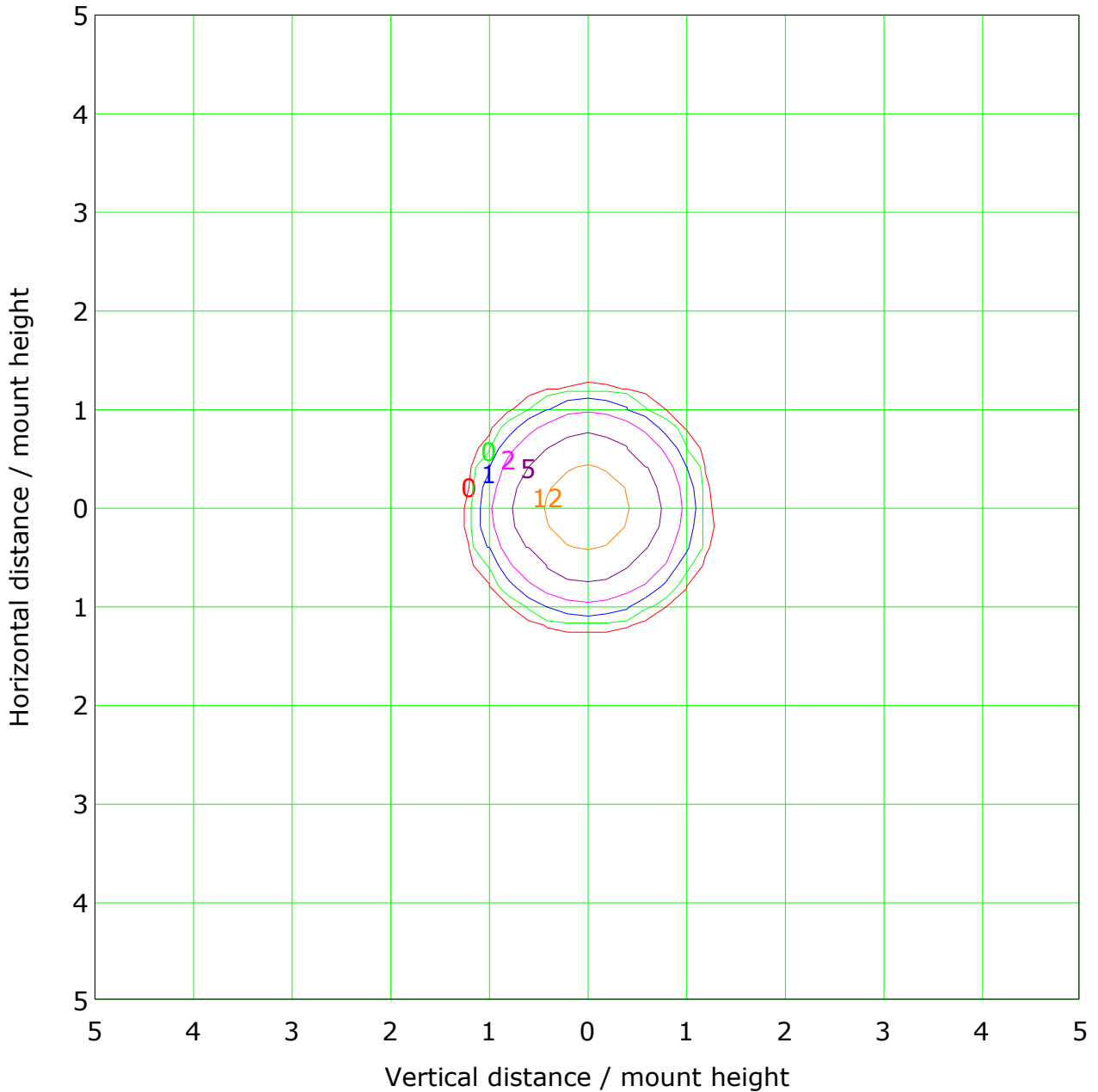
Imax (100%): 2322 cd

- | | |
|-------------------|-------------------|
| — (10%): 232 cd | — (16%): 372 cd |
| — (25%): 581 cd | — (40%): 929 cd |
| — (63%): 1463 cd | — (100%): 2322 cd |

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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 23.2 lx

— (1%): 0.2 lx	— (2%): 0.5 lx
— (5%): 1.2 lx	— (10%): 2.3 lx
— (20%): 4.6 lx	— (50%): 11.6 lx
— (100%): 23.2 lx	

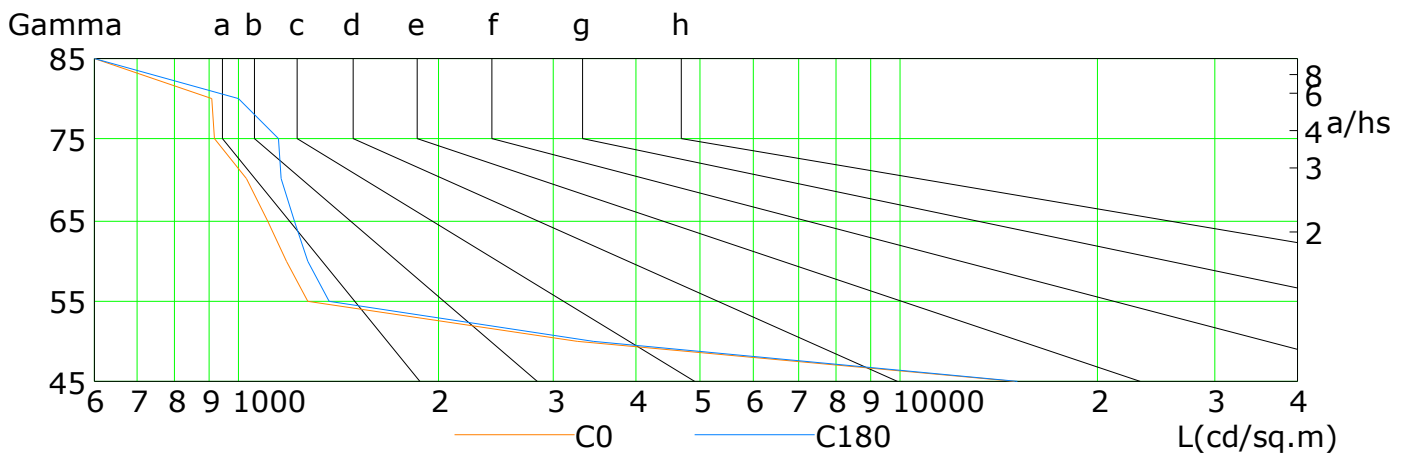
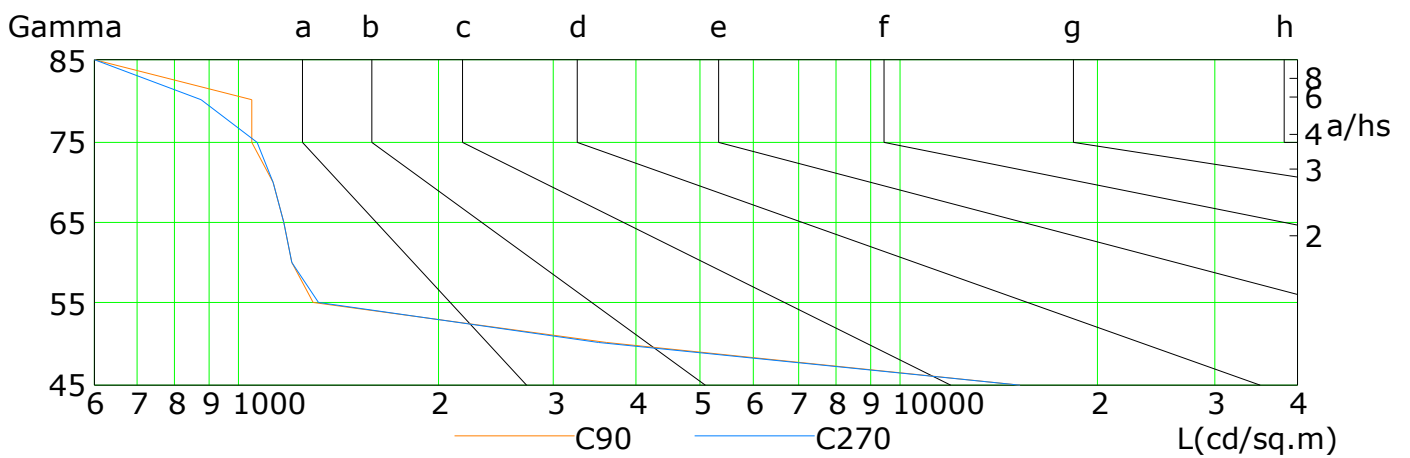
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Lum Limit Curve

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

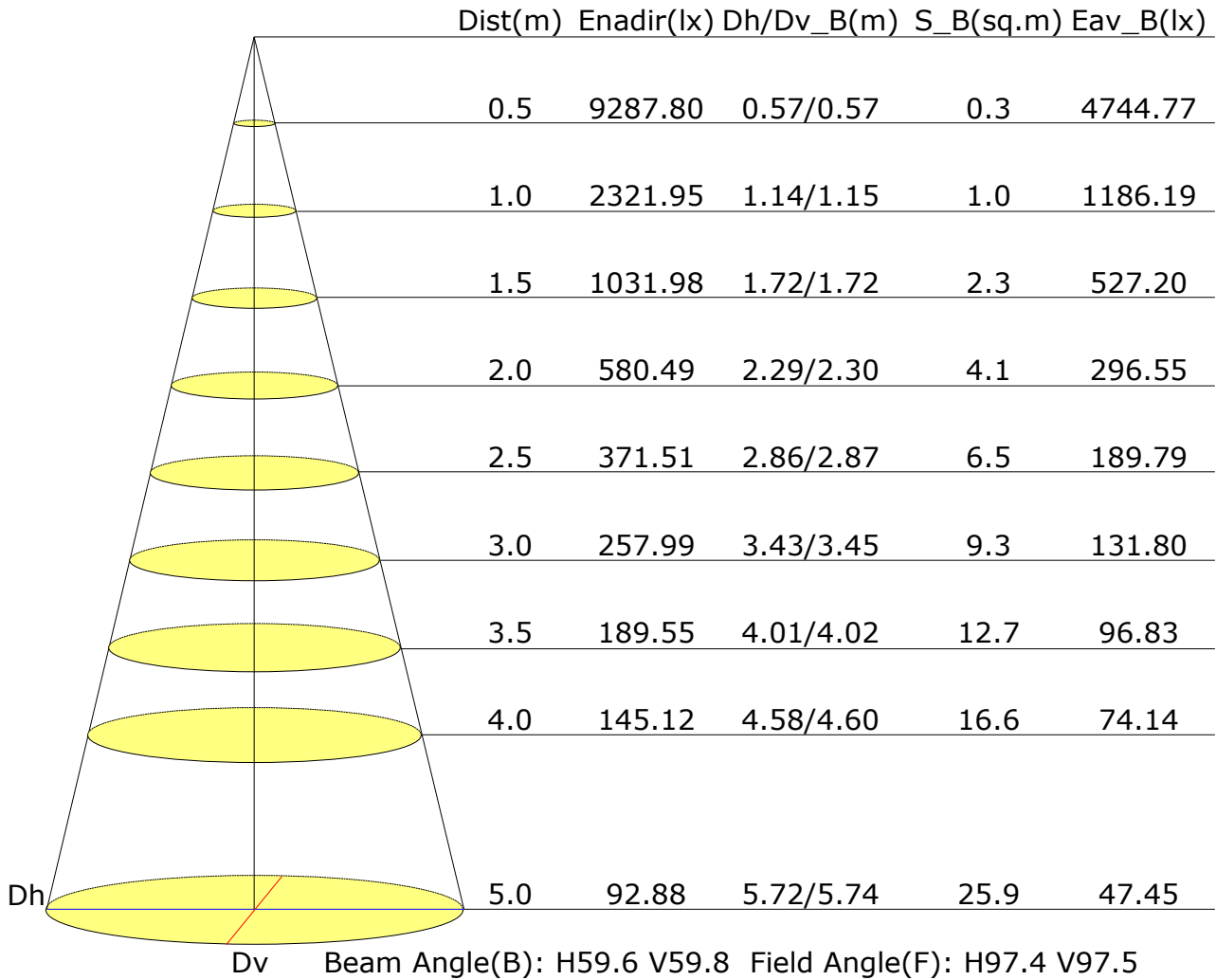


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	14949	3257	1272	1178	1104	1027	918	906	0
C90	15265	3584	1292	1201	1171	1123	1041	1048	0
C180	15032	3439	1373	1269	1211	1155	1143	991	0
C270	15265	3484	1312	1201	1171	1123	1061	878	0

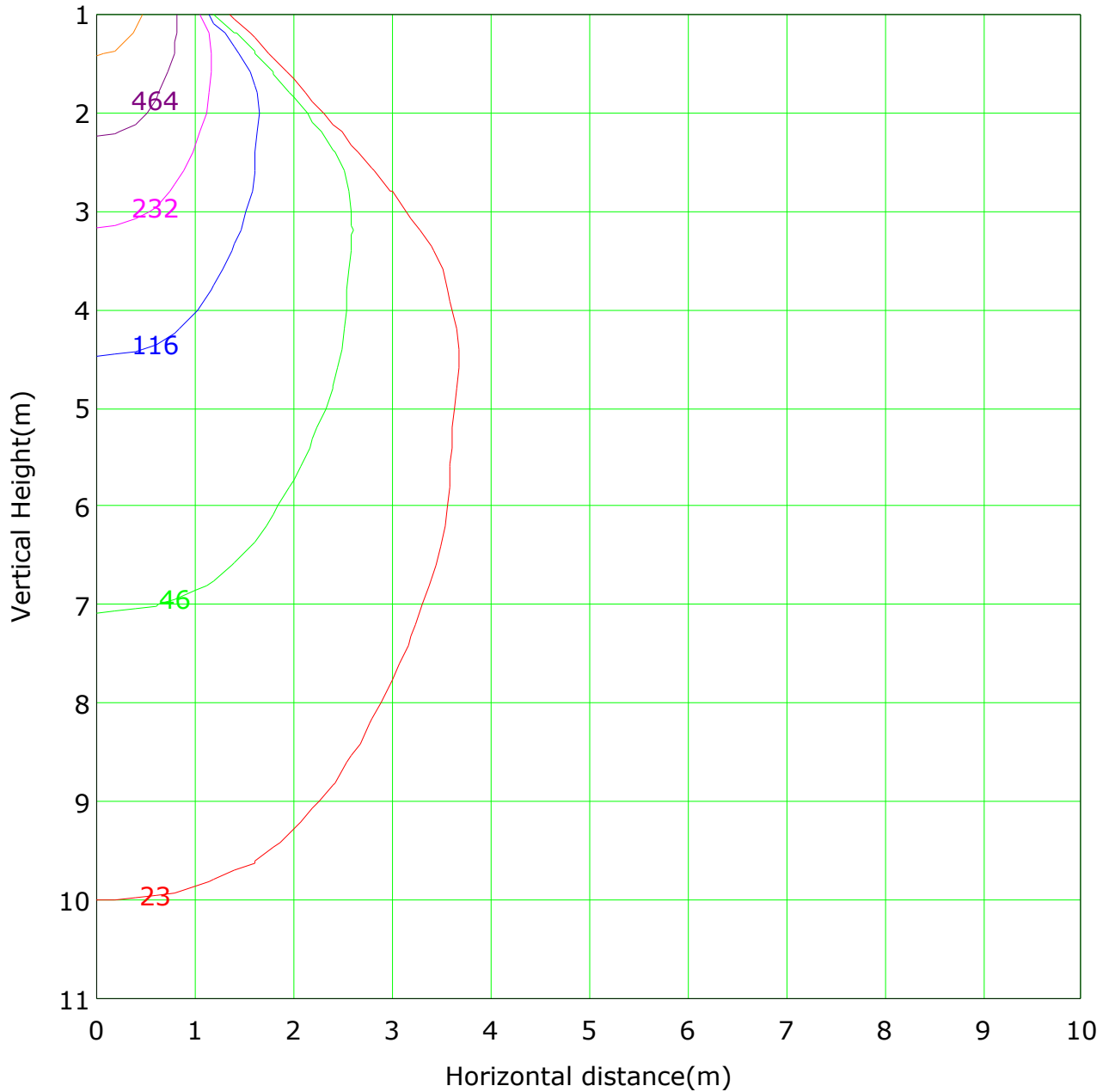
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2321.9 lx

— (1%): 23.2 lx	— (2%): 46.4 lx
— (5%): 116.1 lx	— (10%): 232.2 lx
— (20%): 464.4 lx	— (50%): 1161.0 lx
— (100%): 2321.9 lx	

The Average Illuminance Effective Figure

