

Report No.: 1

Test Time: 2017-01-06 11:49

Luminaire Property

Luminaire Category: 0122.W.U541.6
Luminaire Description: 60076
Length (mm): 166
Height (mm): 9
Current: 0.108 A
Power Factor: 0.973

Luminaire Manufacturer: Brasled
Width (mm): 166
Voltage: 230.2 V
Power: 24.27 W

Photometric Results

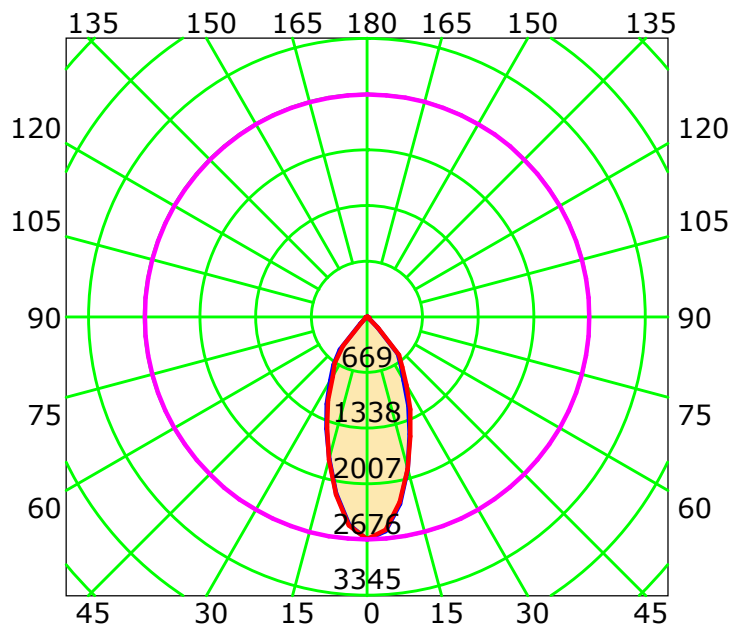
CIE Class: Direct
Measurement Flux: 1944 lm
Downward Ratio: 100%
Field Angle: H87.0 V86.6
Luminaire Efficacy Rating (LER): 80
Max. Intensity: 2676.74 cd

Total Rated Lamp Lumens: 1944.0 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H44.2 V44.5
Central Intensity: 2674.43 cd
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



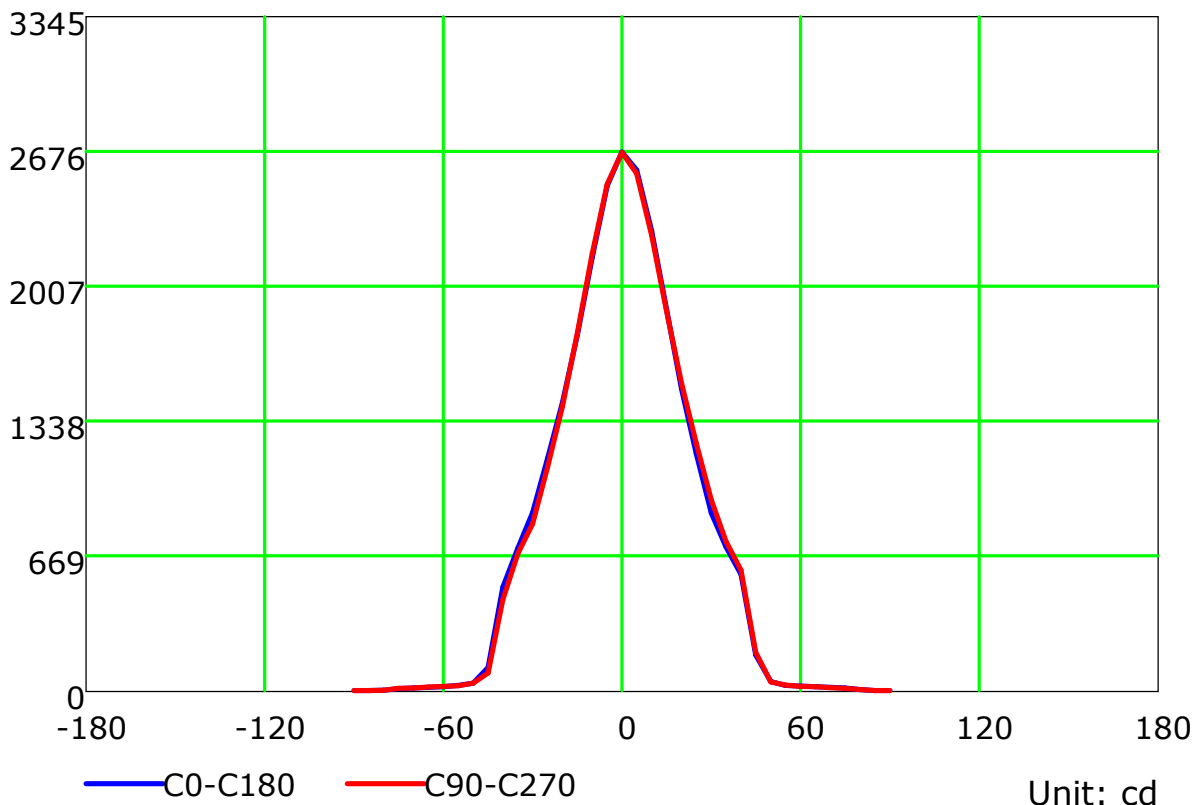
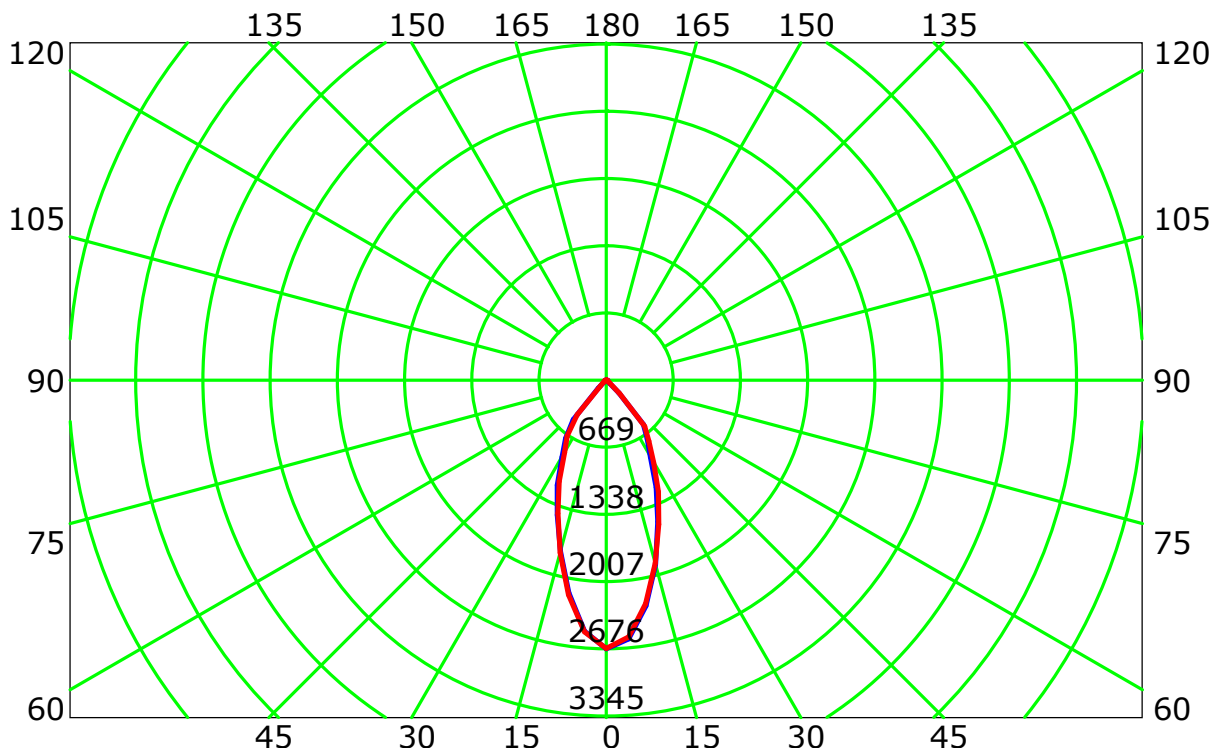
Average Diffuse Angle(50%): 44.3° Unit: cd

— 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



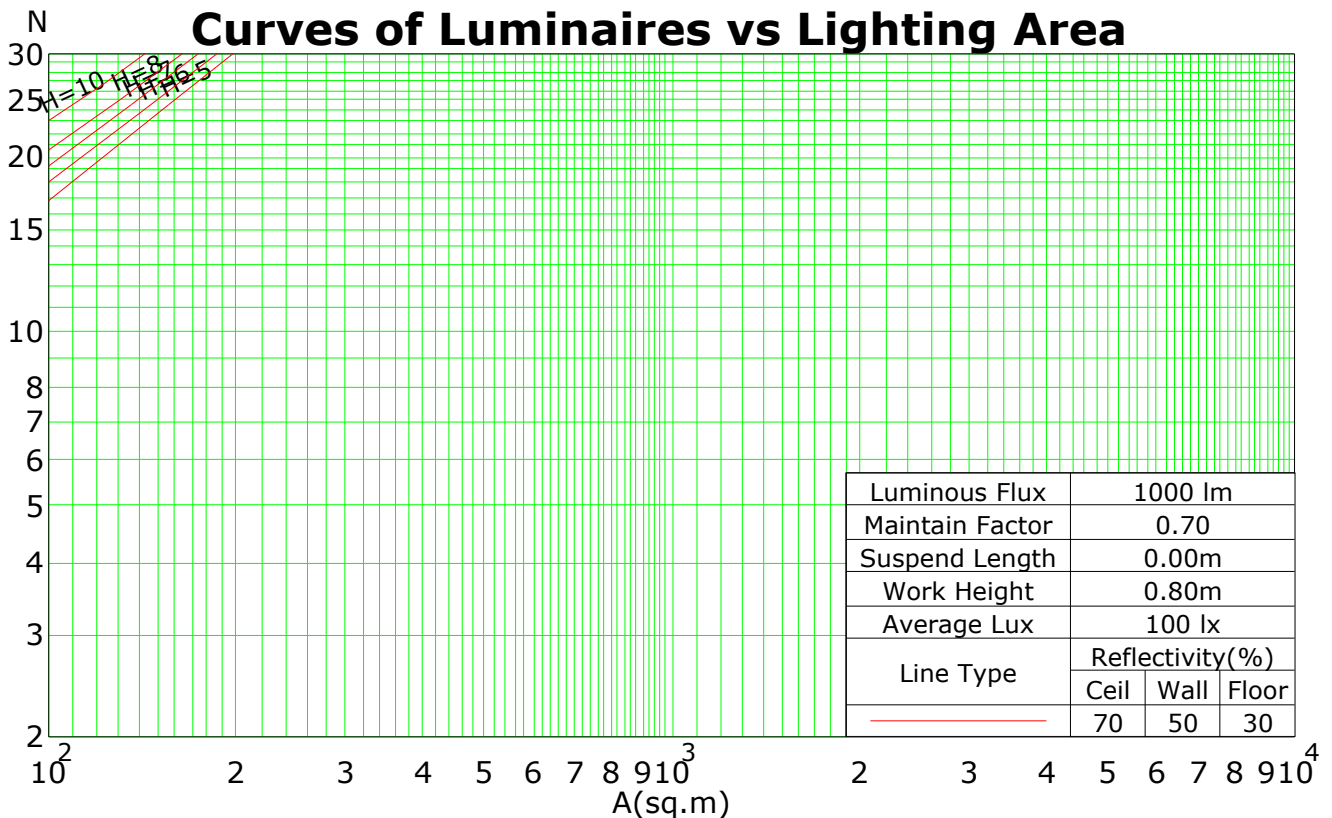
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Coefficients Of Utilization - Zonal Cavity Method

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	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	63	81	72	66	62	71	66	62	70	65	62	69	65	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	64	59	55	63	58	54	63	58	54	62	57	54	53
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50

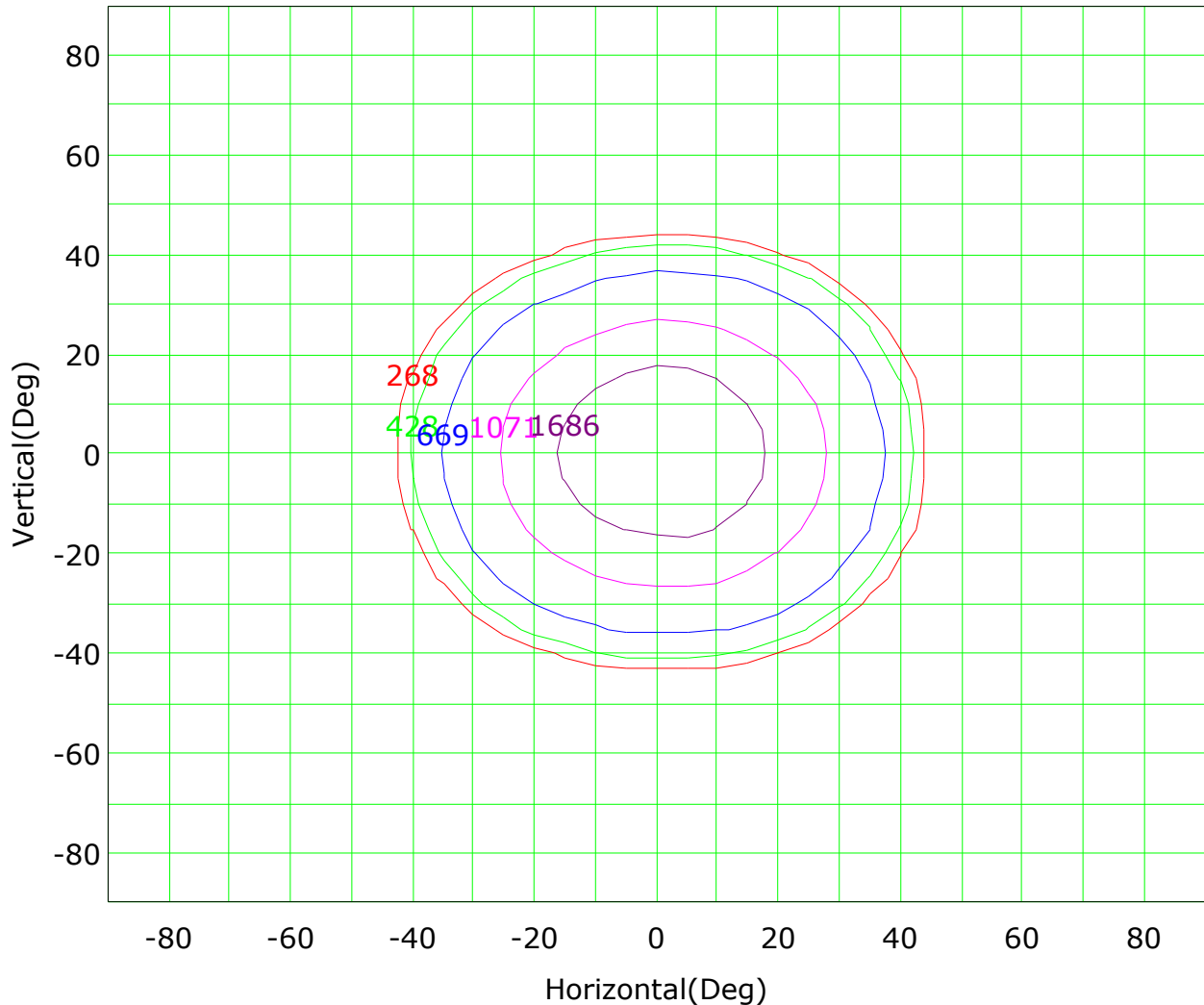
Spacing Criteria (0-180): 0.67
 Spacing Criteria (90-270): 0.67
 Spacing Criteria (Diagonal): 0.76



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Isocandela (rectangle)



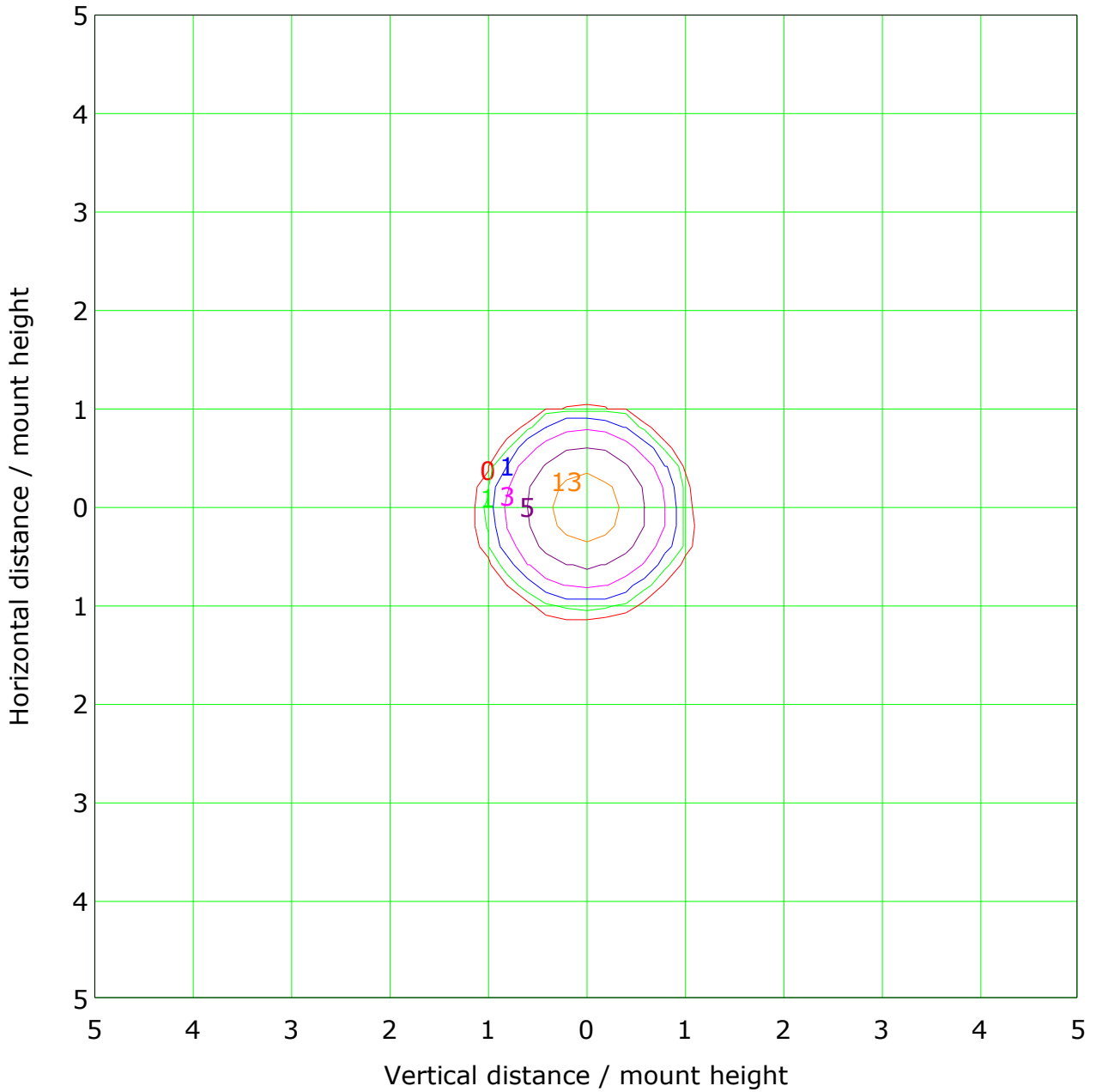
Imax (100%): 2677 cd

- | | |
|-------------------|-------------------|
| — (10%): 268 cd | — (16%): 428 cd |
| — (25%): 669 cd | — (40%): 1071 cd |
| — (63%): 1686 cd | — (100%): 2677 cd |

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 26.8 lx	
— (1%):	0.3 lx	— (2%):	0.5 lx
— (5%):	1.3 lx	— (10%):	2.7 lx
— (20%):	5.4 lx	— (50%):	13.4 lx
— (100%):	26.8 lx		

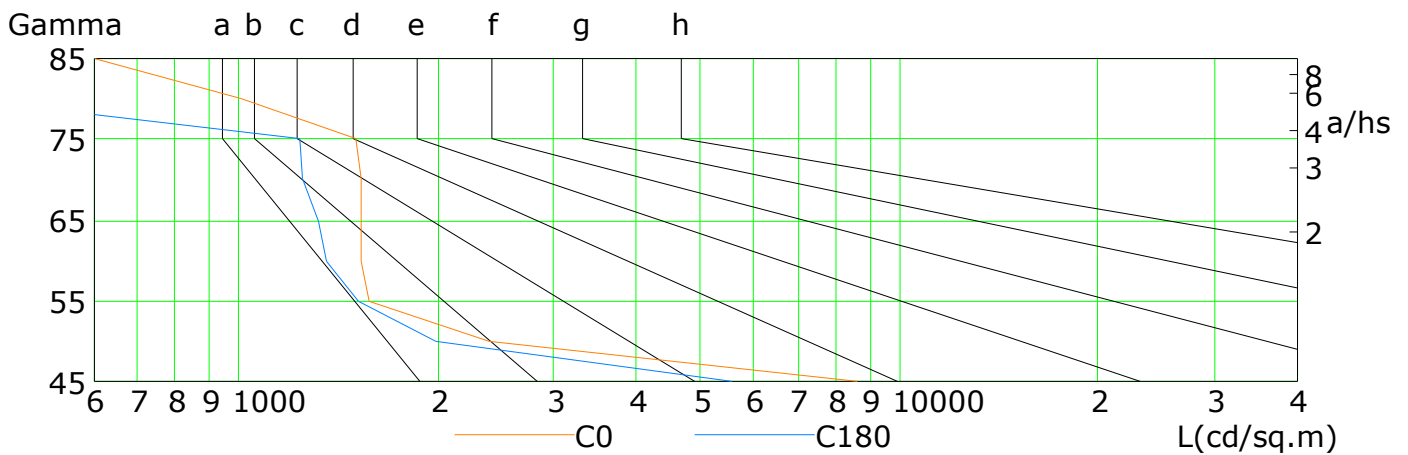
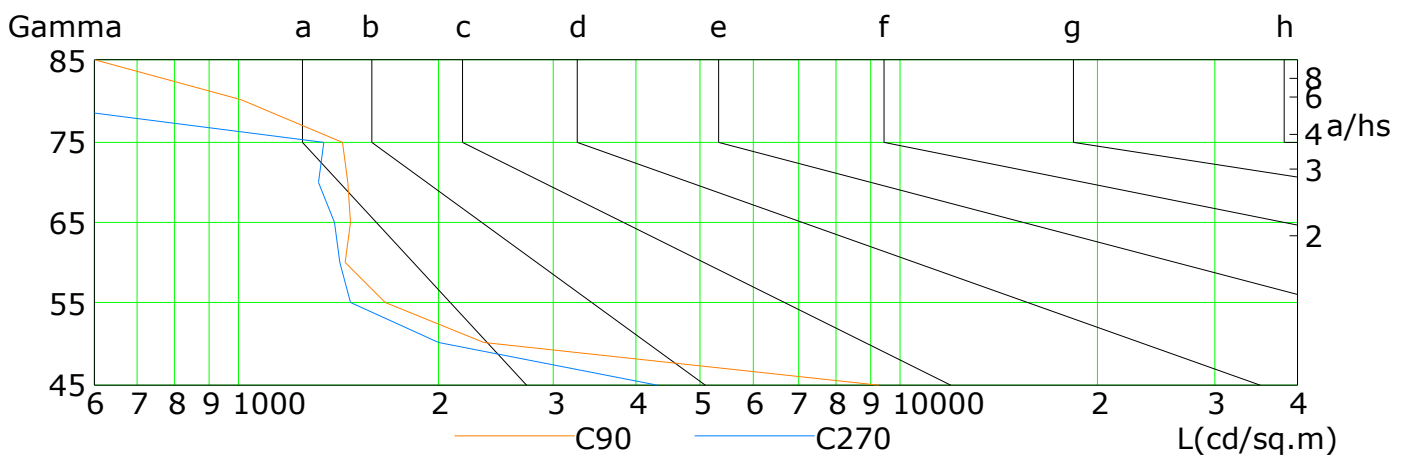
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Lum Limit Curve

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

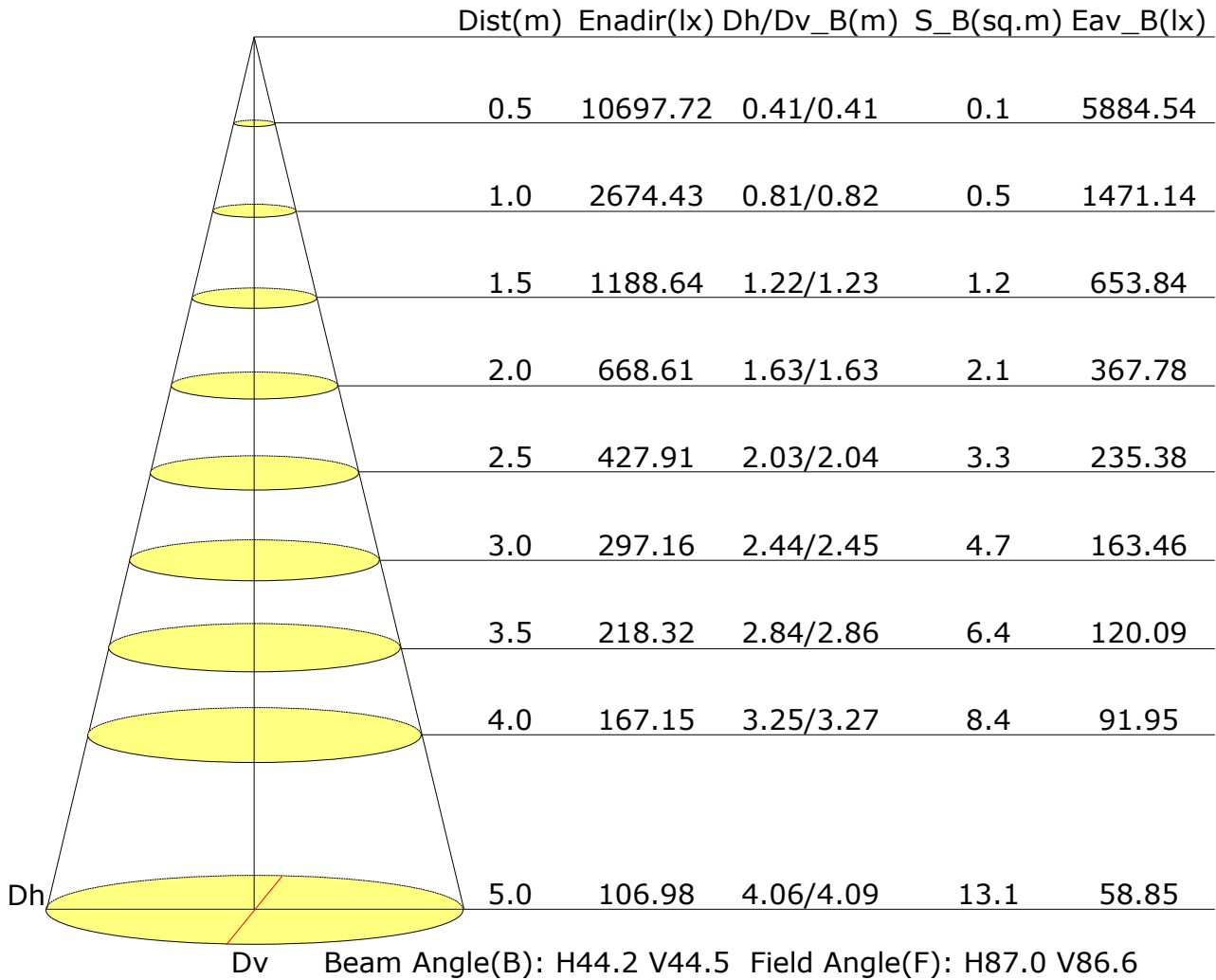


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8646	2381	1570	1533	1524	1525	1502	1002	0
C90	9273	2346	1667	1446	1473	1464	1425	1002	0
C180	5577	1979	1512	1358	1321	1250	1231	369	0
C270	4275	1996	1473	1424	1397	1311	1347	422	0

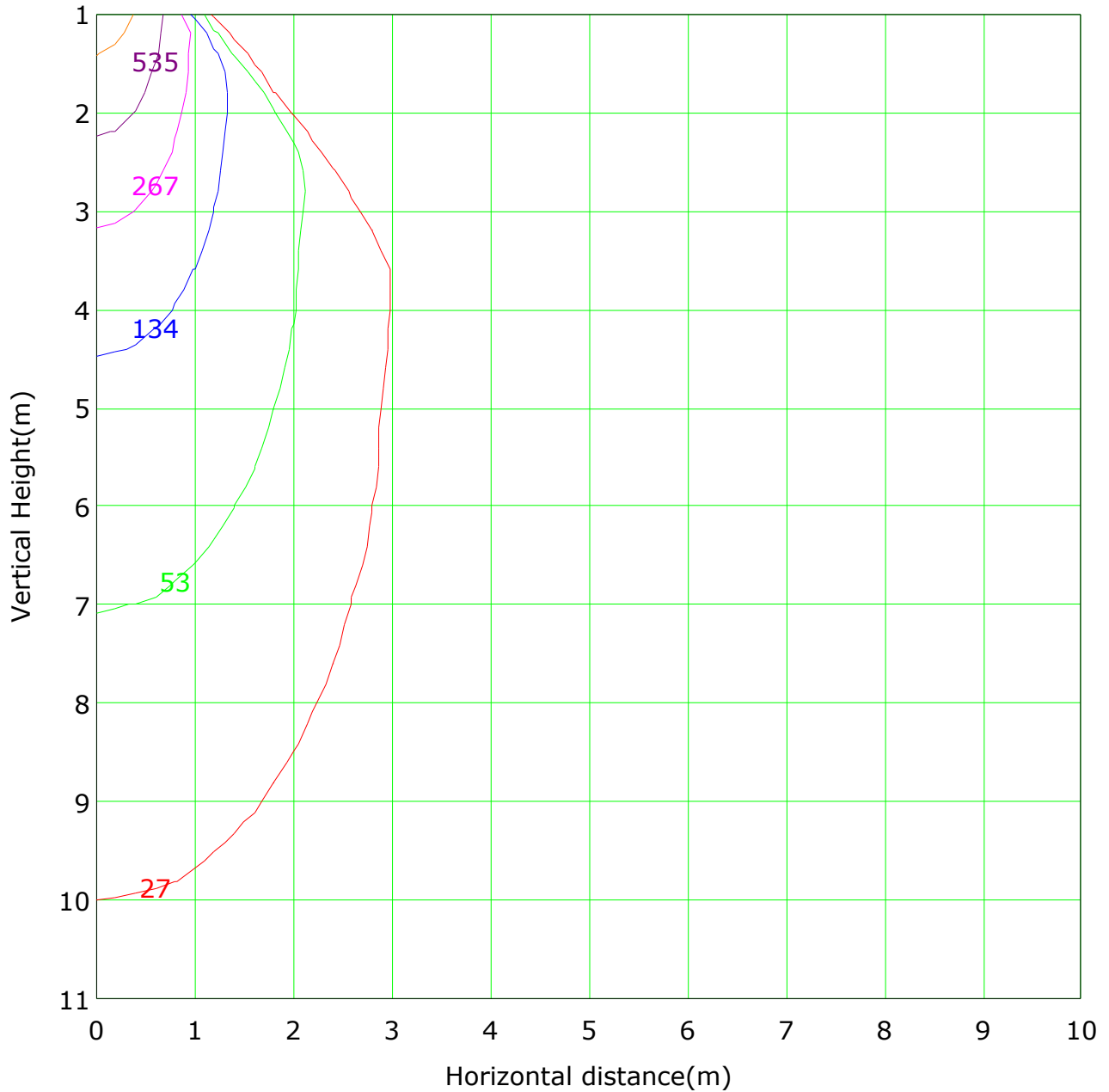
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2674.4 lx
 — (1%): 26.7 lx — (2%): 53.5 lx
 — (5%): 133.7 lx — (10%): 267.4 lx
 — (20%): 534.9 lx — (50%): 1337.2 lx
 — (100%): 2674.4 lx

The Average Illuminance Effective Figure

