

Report No.: 1

Test Time: 2017-01-06 09:41

Luminaire Property

Luminaire Category: 0121.W.U541.6
Luminaire Description: 60044
Length (mm): 140
Height (mm): 7
Current: 0.111 A
Power Factor: 0.974

Luminaire Manufacturer: Brasled
Width (mm): 140
Voltage: 230.2 V
Power: 24.92 W

Photometric Results

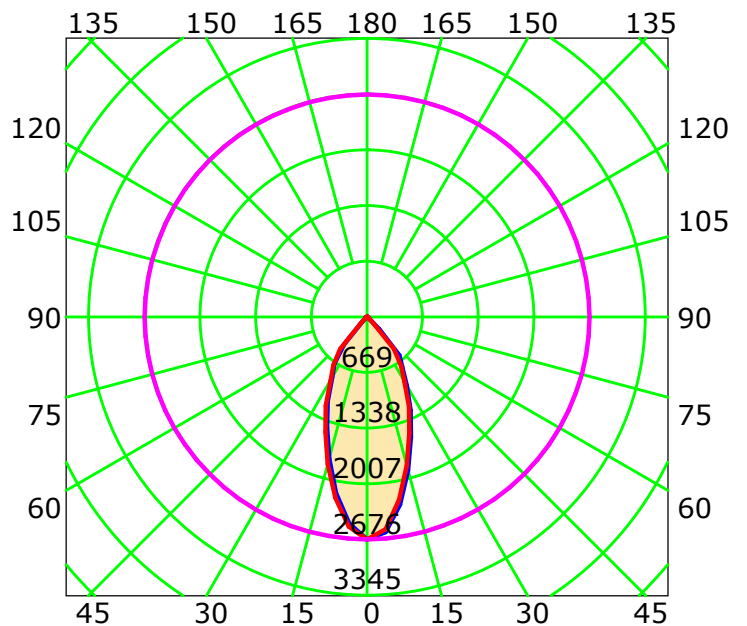
CIE Class: Direct
Measurement Flux: 1937 lm
Downward Ratio: 100%
Field Angle: H86.6 V86.0
Luminaire Efficacy Rating (LER): 78
Max. Intensity: 2676.64 cd

Total Rated Lamp Lumens: 1937.0 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H44.8 V44.8
Central Intensity: 2673.15 cd
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



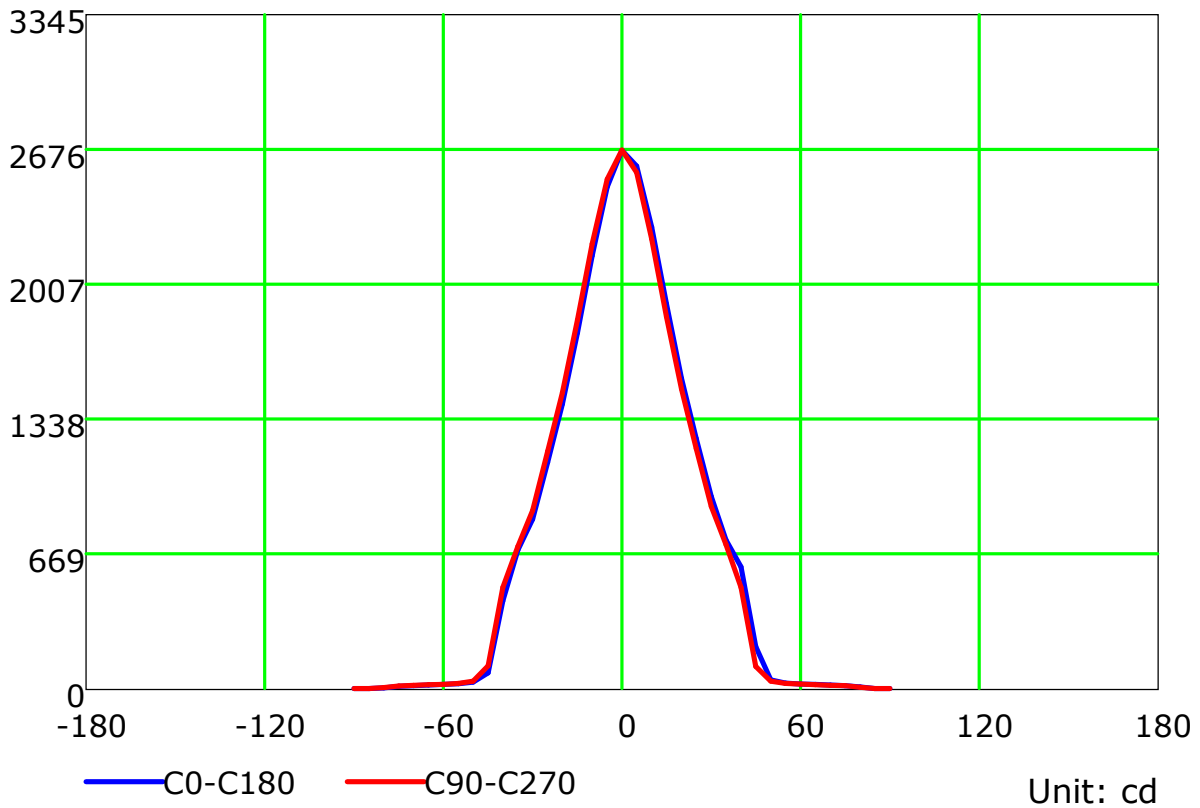
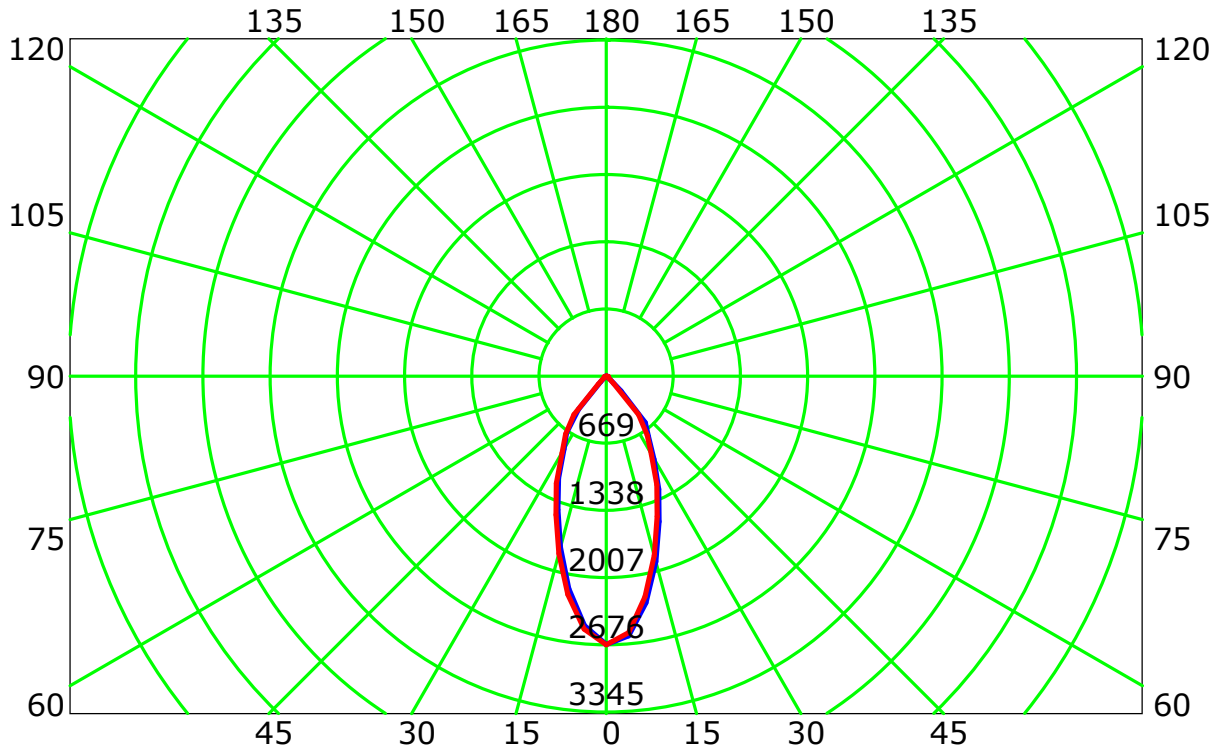
Average Diffuse Angle(50%): 44.8° Unit: cd

— 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



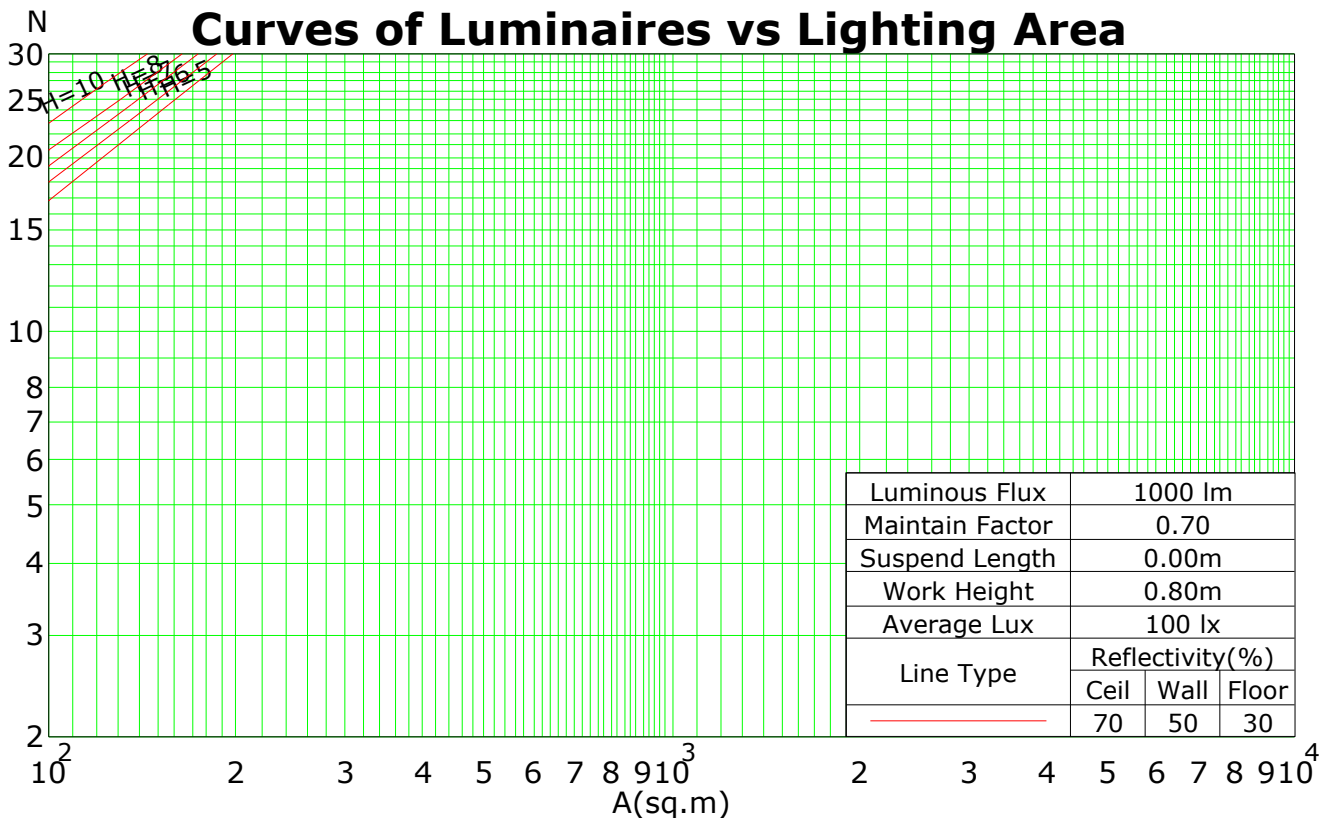
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Coefficients Of Utilization - Zonal Cavity Method

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	77	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	77	68	63	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	62	56	52	70	61	55	52	60	55	52	59	55	51	59	54	51	50

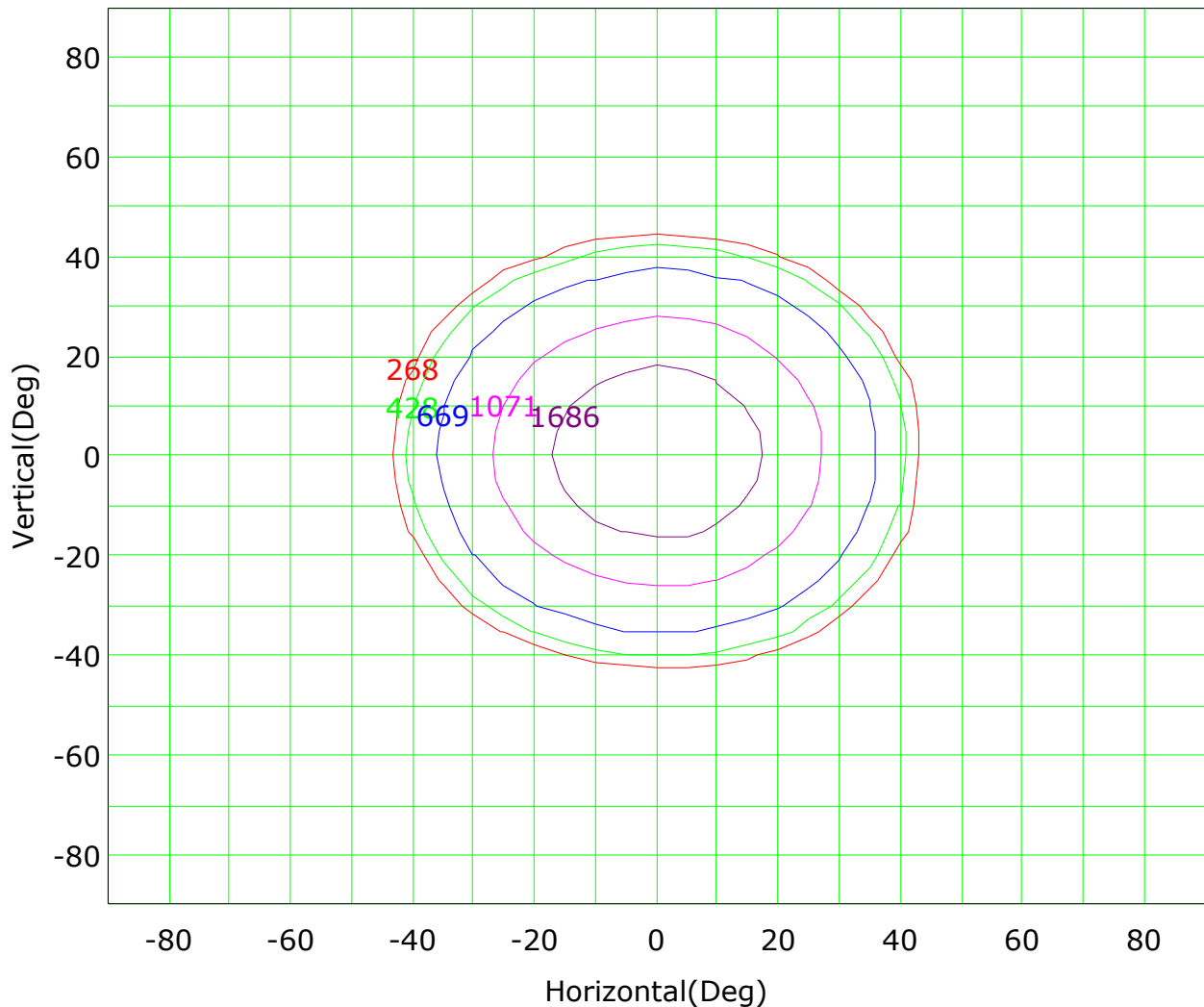
Spacing Criteria (0-180): 0.68
 Spacing Criteria (90-270): 0.68
 Spacing Criteria (Diagonal): 0.77



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Isocandela (rectangle)



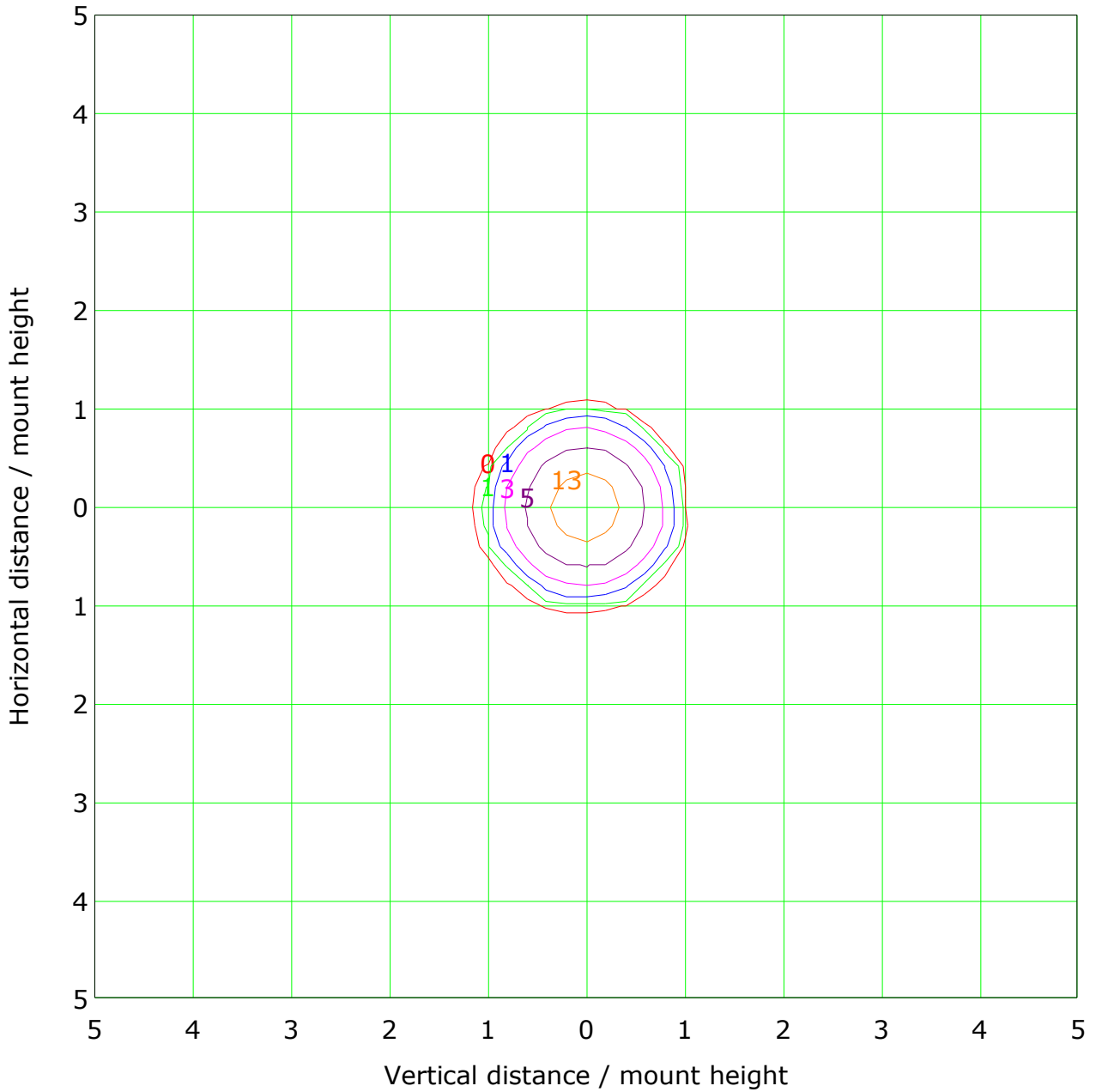
Imax (100%): 2677 cd

— (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		

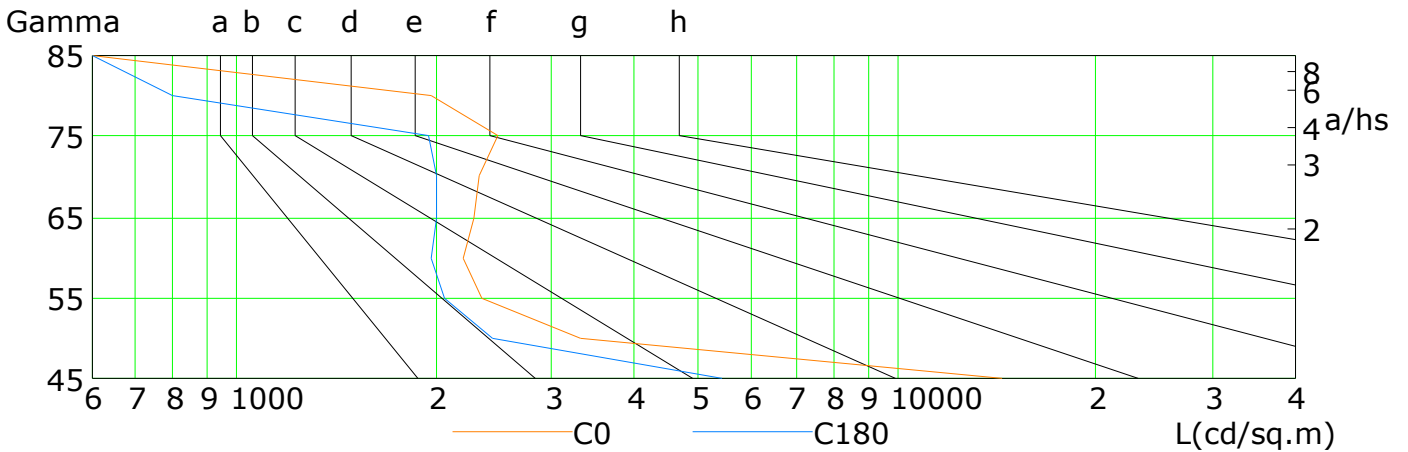
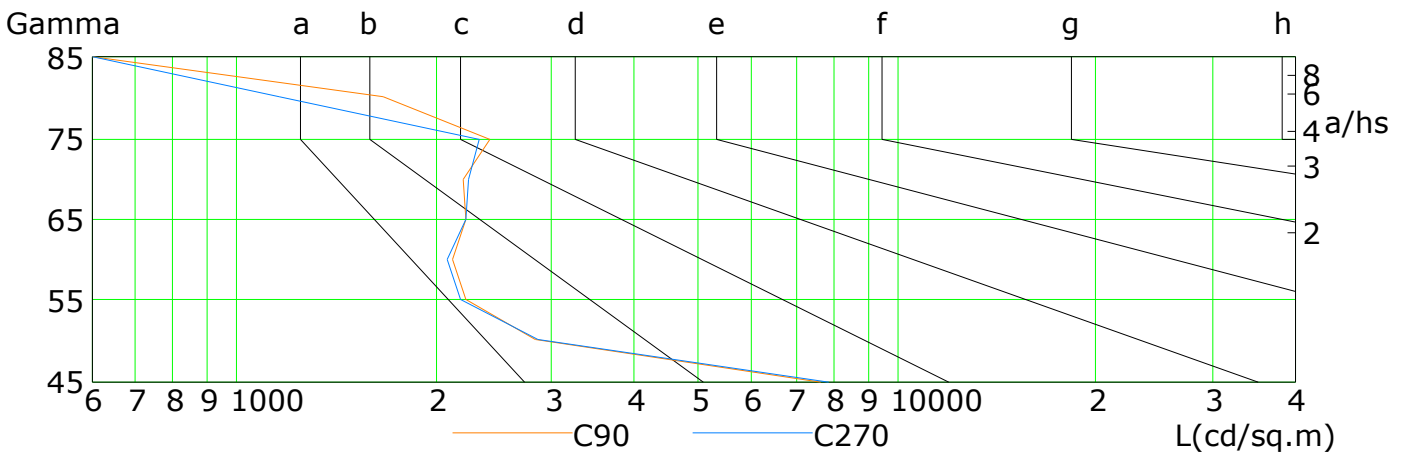
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Lum Limit Curve

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

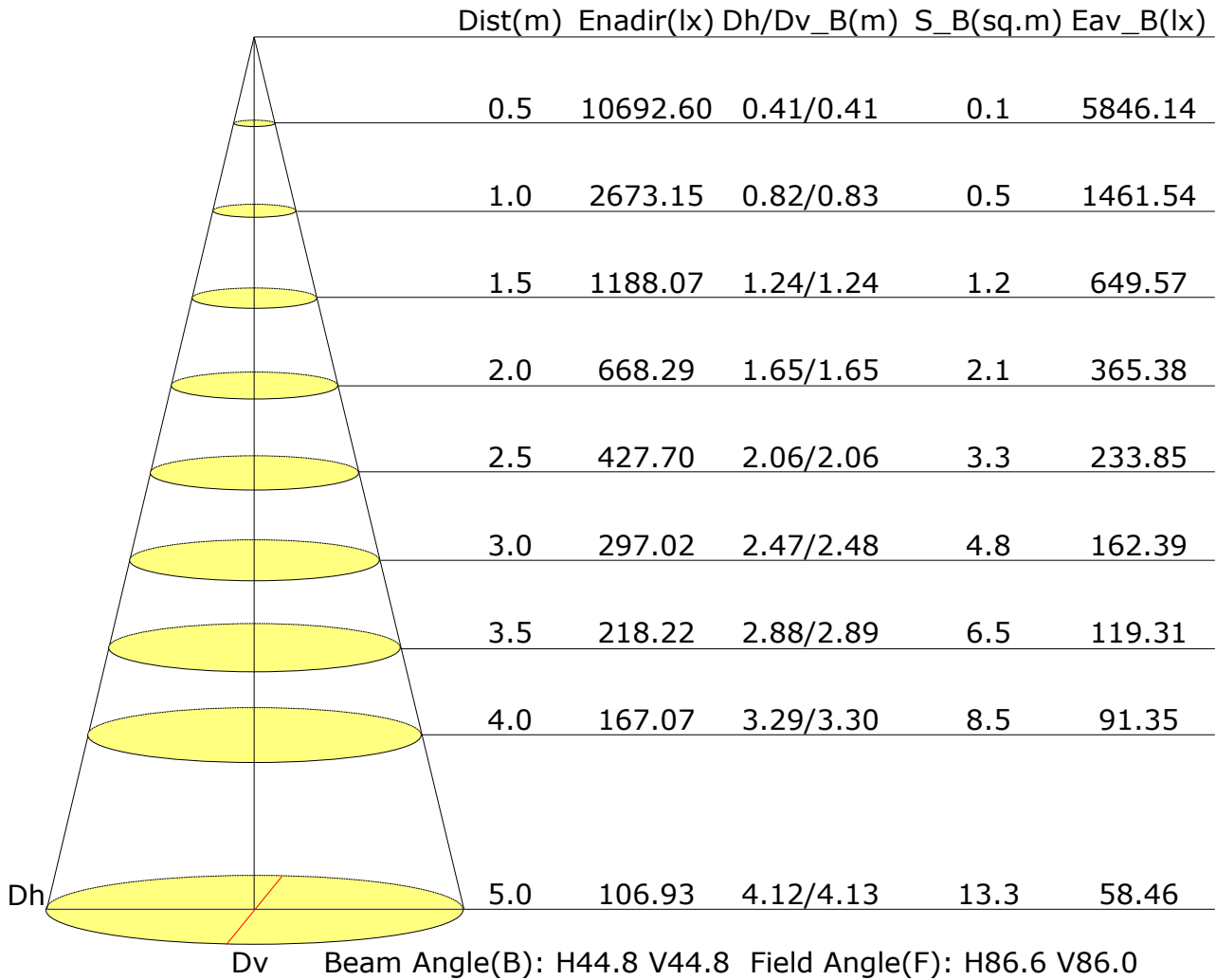


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	14380	3320	2340	2200	2278	2325	2472	1957	0
C90	7636	2822	2208	2111	2209	2201	2419	1666	0
C180	5395	2443	2050	1962	2002	1994	1945	797	0
C270	7832	2846	2182	2081	2209	2243	2314	1161	0

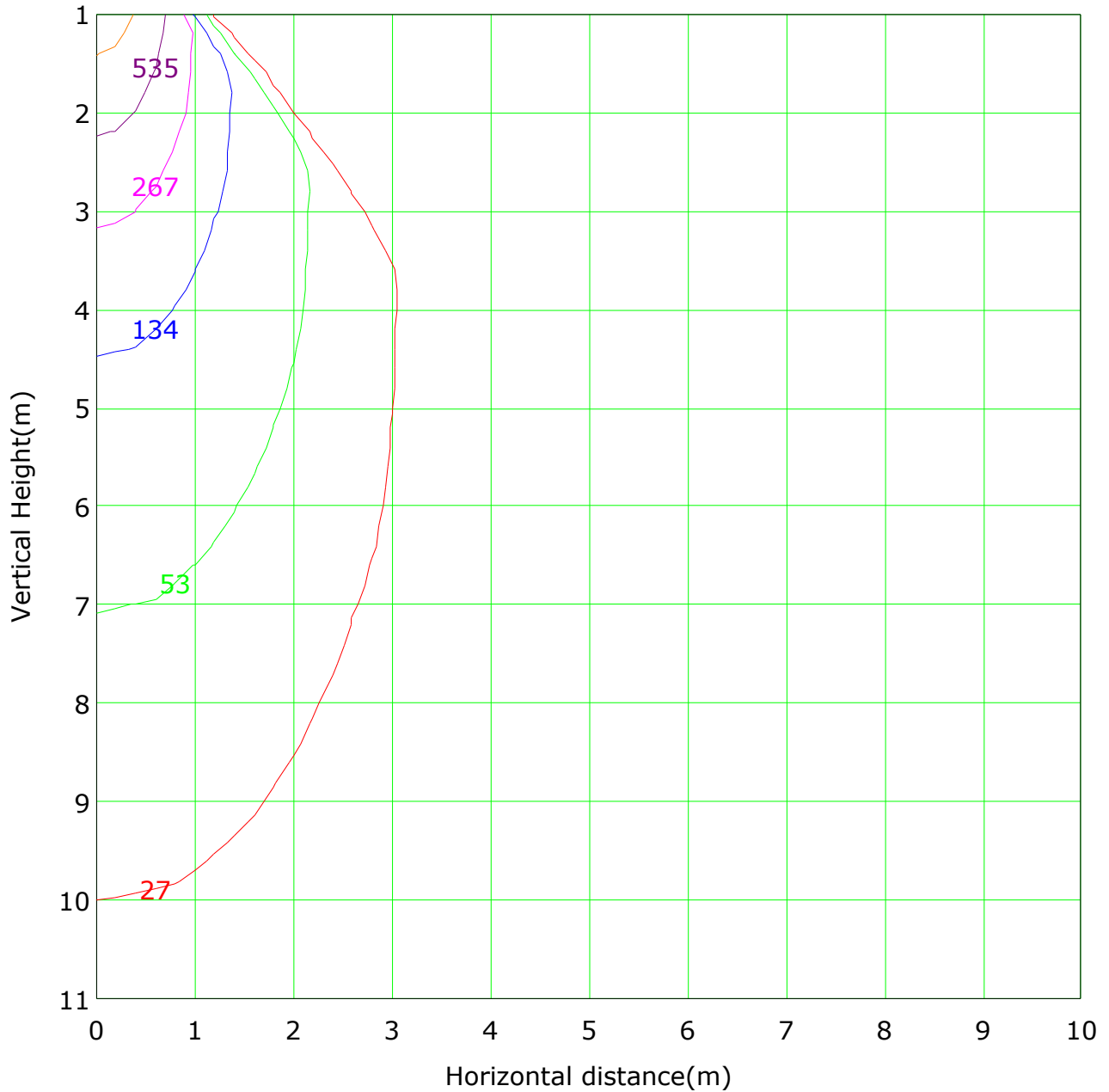
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2673.1 lx
 (1%): 26.7 lx (2%): 53.5 lx
 (5%): 133.7 lx (10%): 267.3 lx
 (20%): 534.6 lx (50%): 1336.6 lx
 (100%): 2673.1 lx

The Average Illuminance Effective Figure

