

Report No.: 1

Test Time: 2017-01-05 14:45

Luminaire Property

Luminaire Category: 0120.W.A231.6
Luminaire Description: 60054
Length (mm): 106
Height (mm): 6
Current: 0.057 A
Power Factor: 0.976

Luminaire Manufacturer: Brasled
Width (mm): 106
Voltage: 230.2 V
Power: 12.81 W

Photometric Results

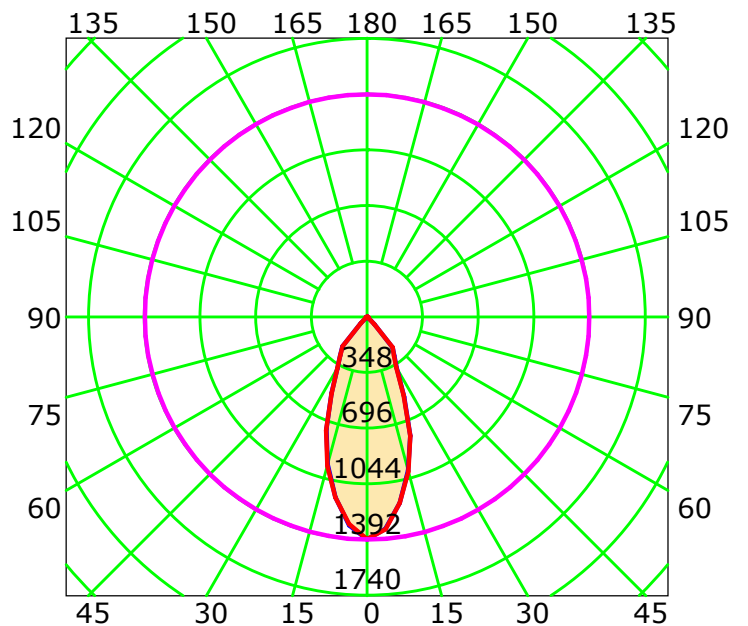
CIE Class: Direct
Measurement Flux: 923.1 lm
Downward Ratio: 100%
Field Angle: H85.9 V85.7
Luminaire Efficacy Rating (LER): 72
Max. Intensity: 1392.54 cd

Total Rated Lamp Lumens: 923.1 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H43.2 V43.2
Central Intensity: 1392.53 cd
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



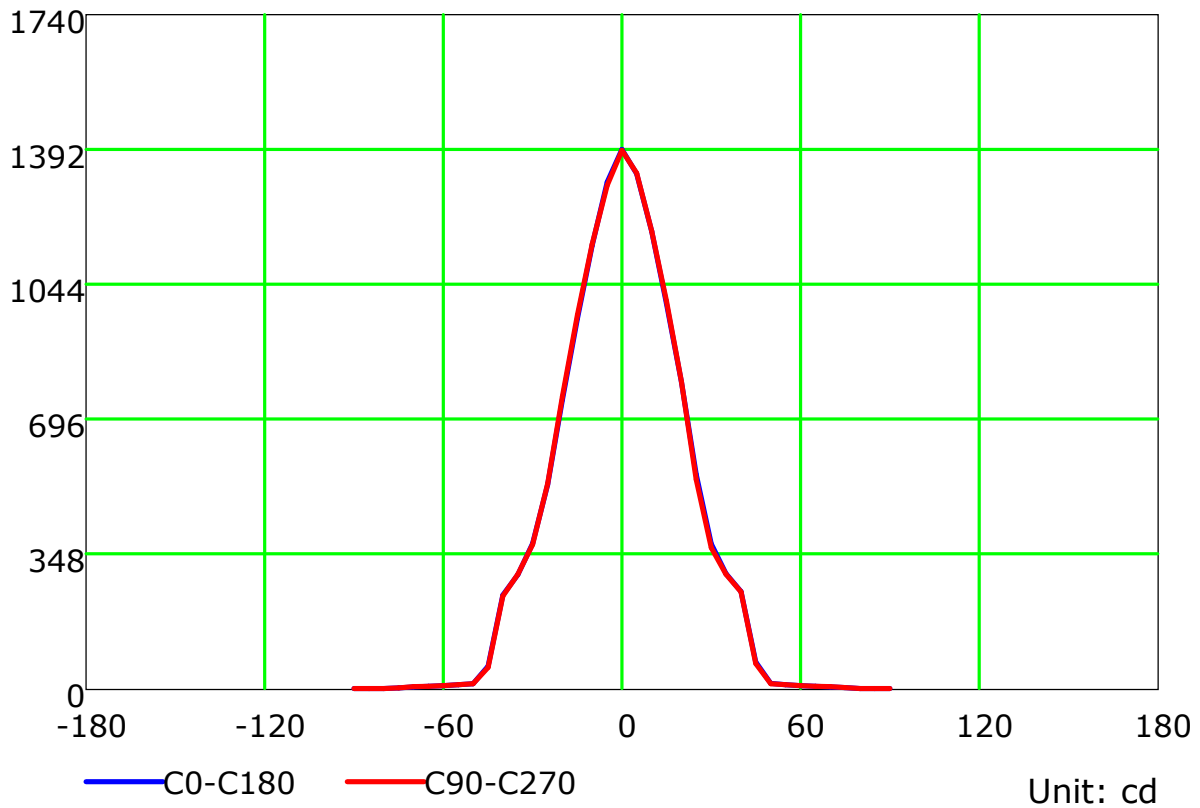
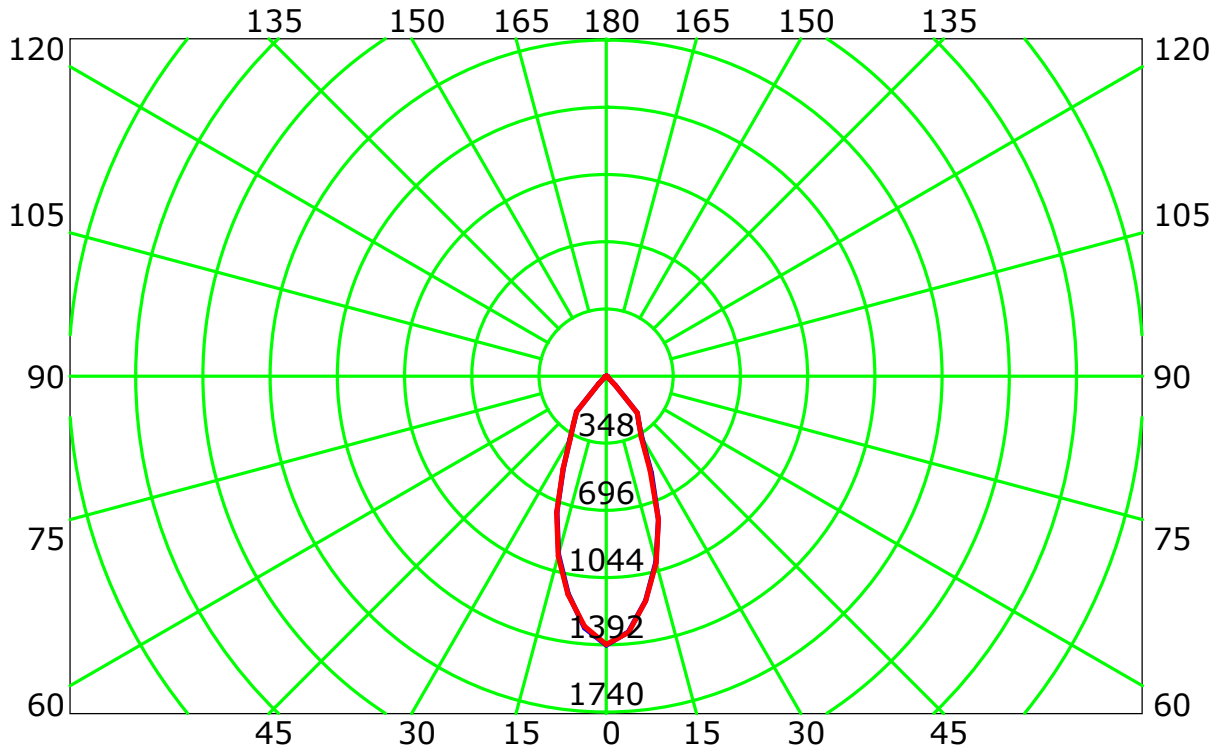
Average Diffuse Angle(50%): 43.2° Unit: cd

— 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



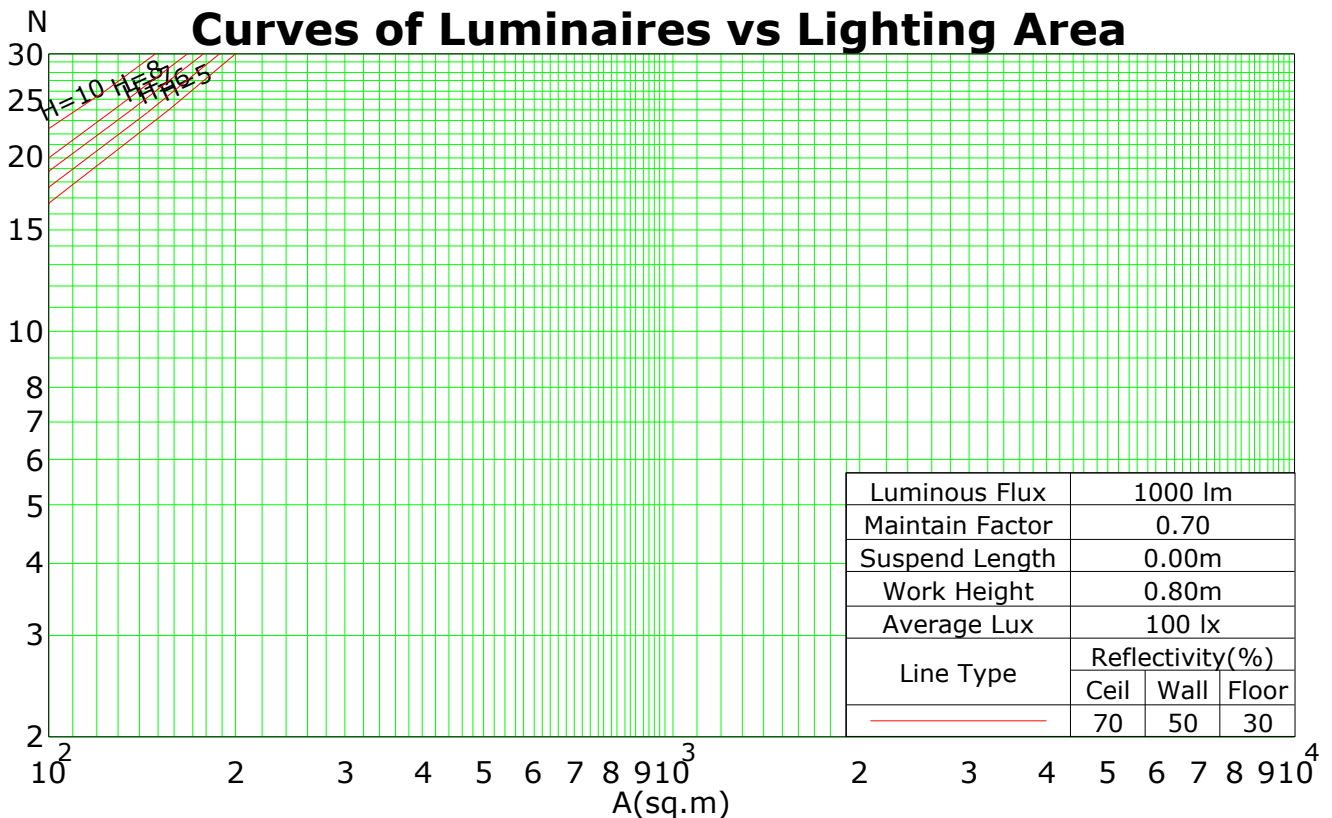
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Coefficients Of Utilization - Zonal Cavity Method

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	71	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

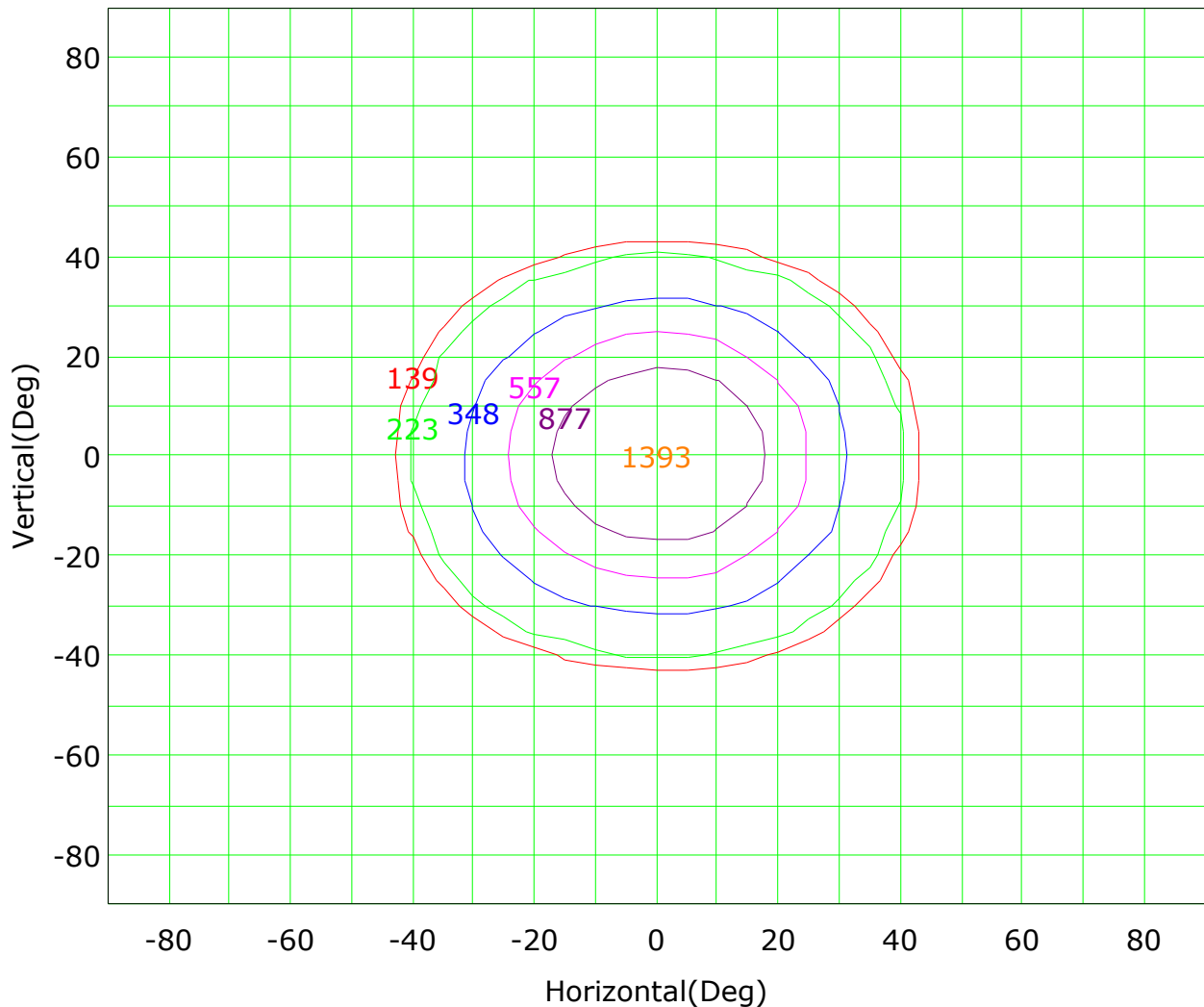
Spacing Criteria (0-180): 0.68
 Spacing Criteria (90-270): 0.68
 Spacing Criteria (Diagonal): 0.70



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Isocandela (rectangle)



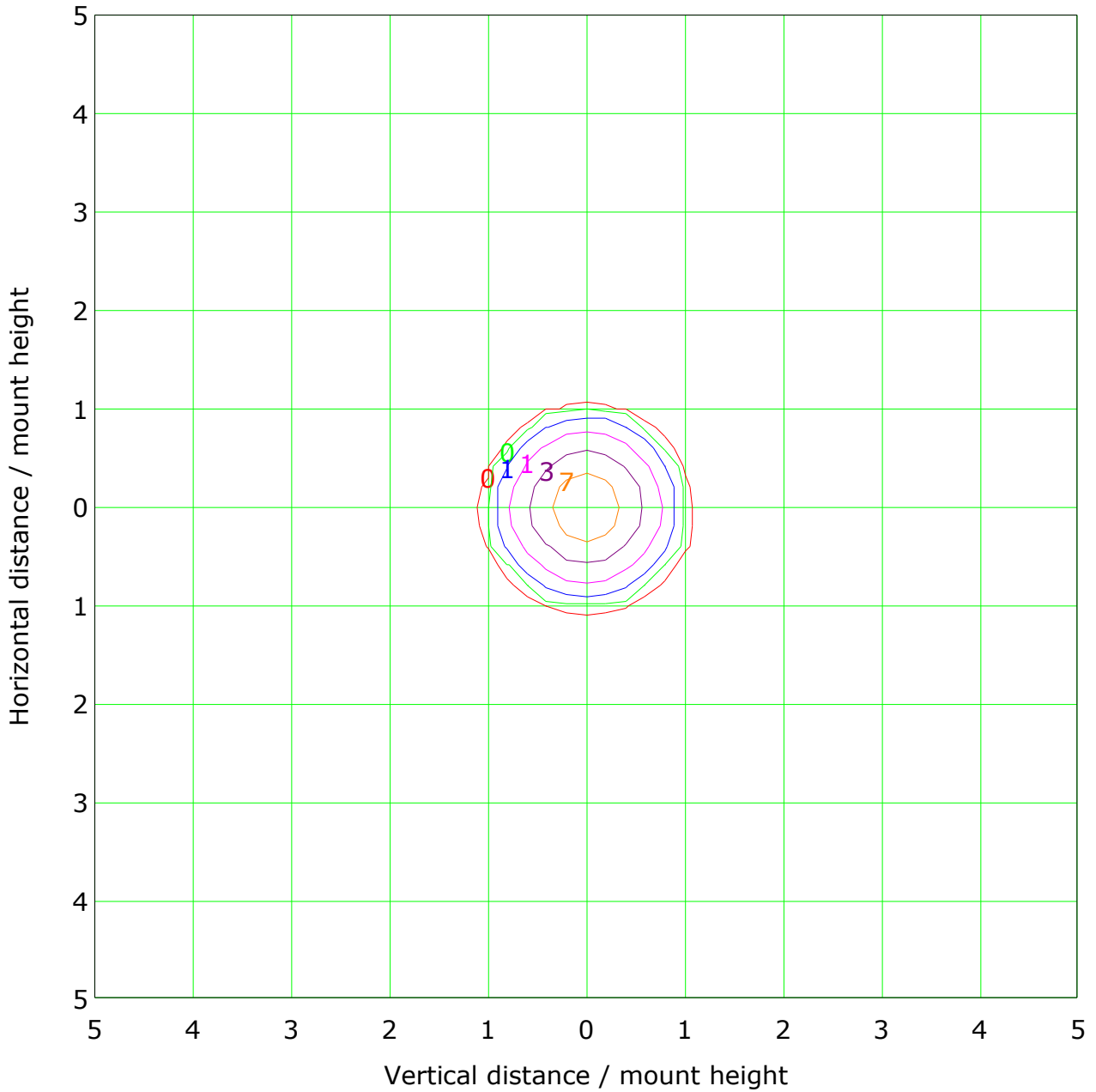
Imax (100%): 1393 cd

— (10%):	139 cd	— (16%):	223 cd
— (25%):	348 cd	— (40%):	557 cd
— (63%):	877 cd	— (100%):	1393 cd

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 13.9 lx	
— (1%):	0.1 lx	— (2%):	0.3 lx
— (5%):	0.7 lx	— (10%):	1.4 lx
— (20%):	2.8 lx	— (50%):	7.0 lx
— (100%):	13.9 lx		

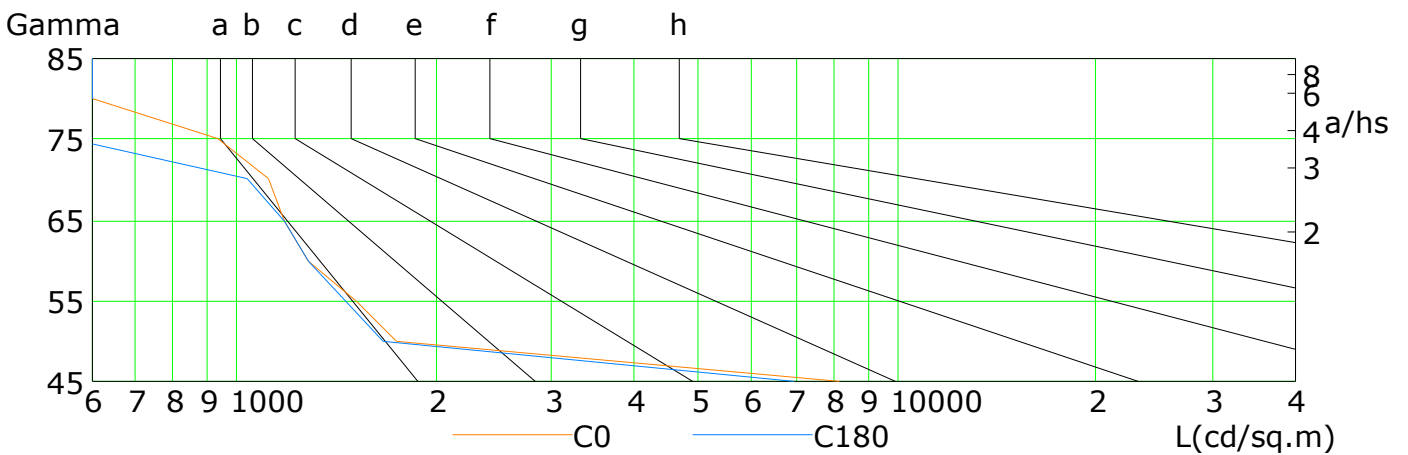
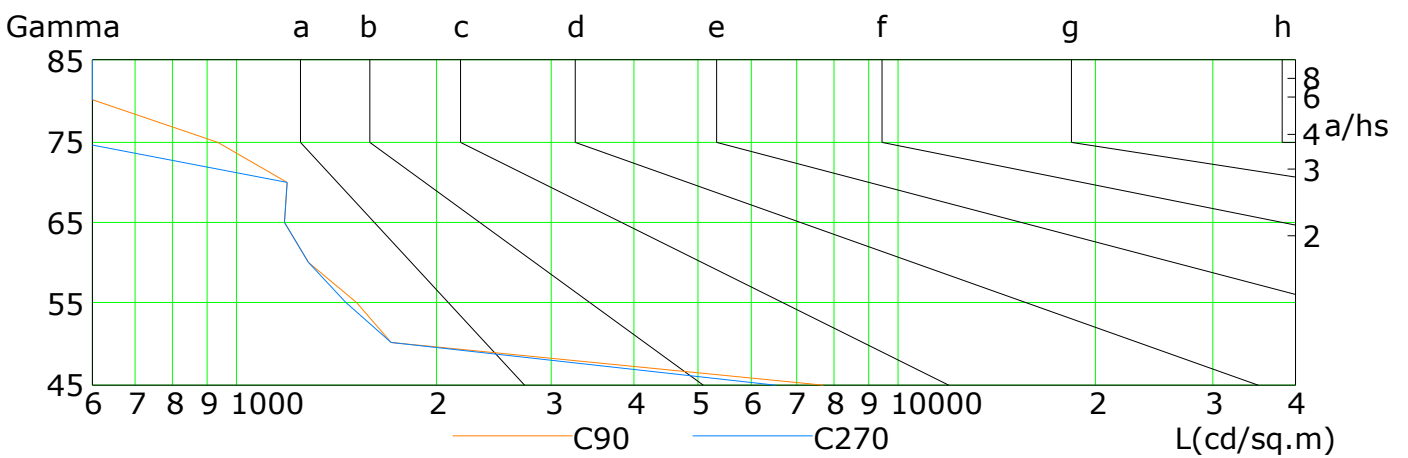
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Lum Limit Curve

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

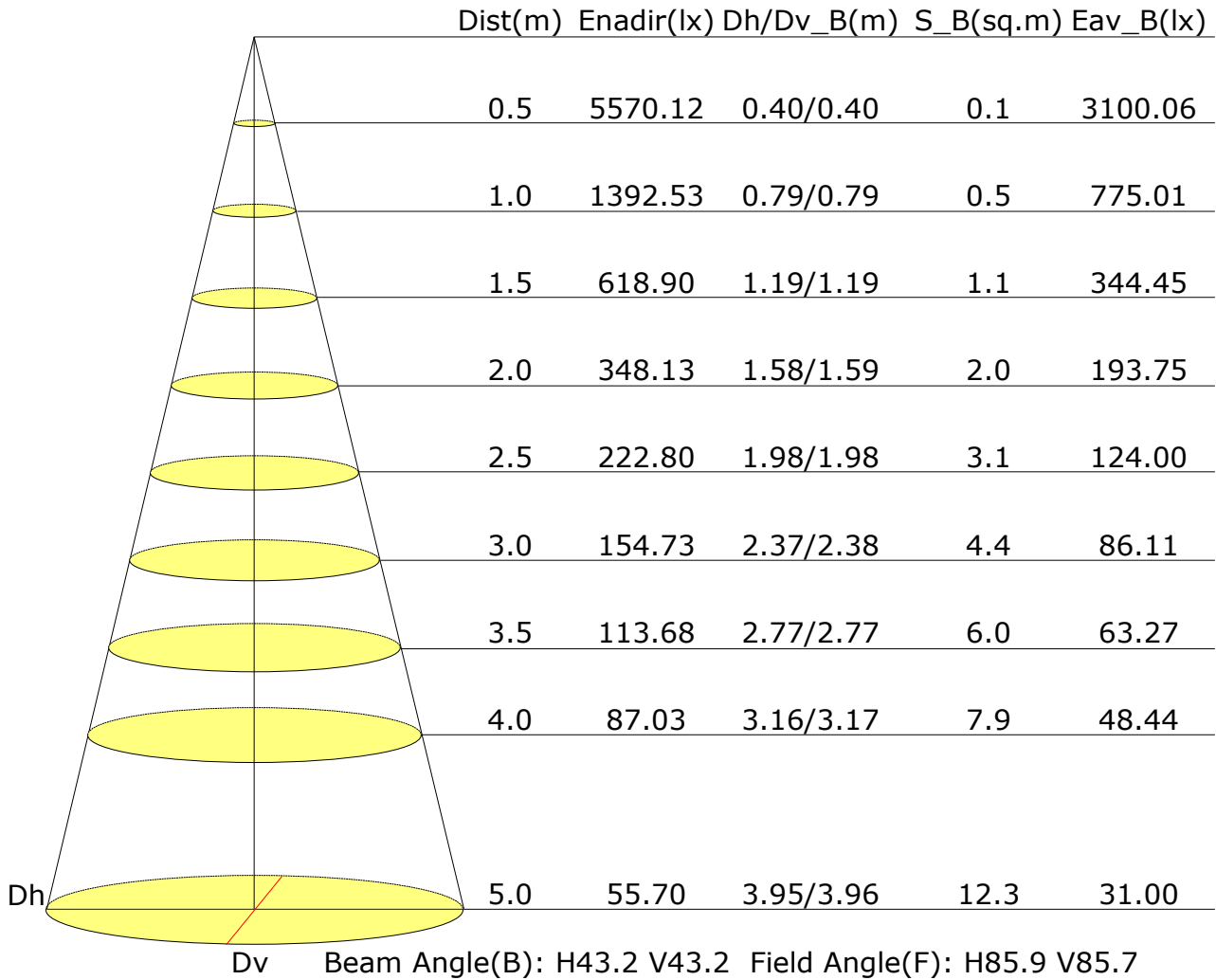


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8188	1748	1510	1279	1174	1110	934	0	0
C90	7718	1707	1510	1279	1174	1185	934	0	0
C180	6934	1664	1464	1279	1174	1036	559	0	0
C270	6504	1707	1464	1279	1174	1185	559	0	0

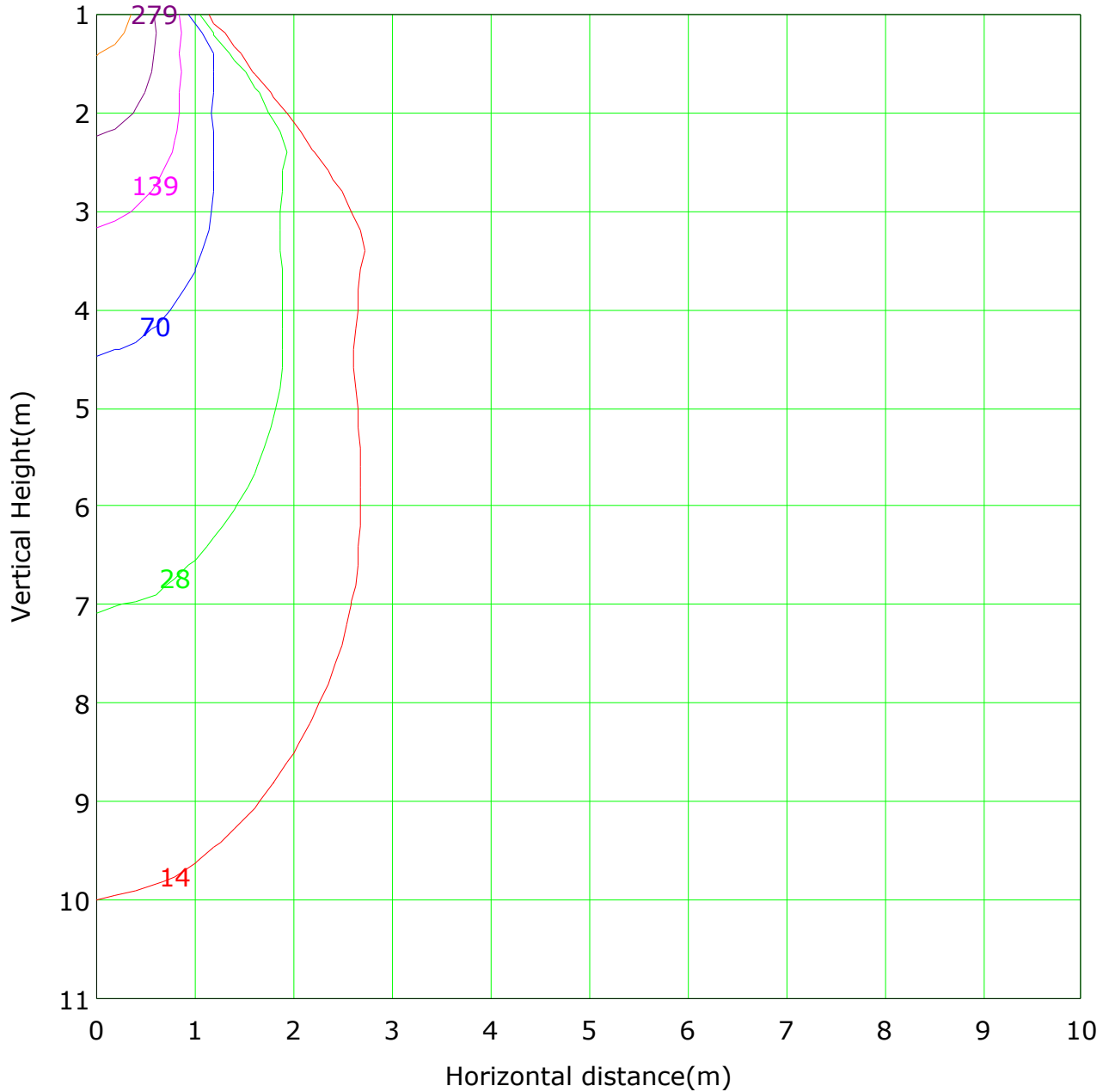
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1392.5 lx

— (1%): 13.9 lx	— (2%): 27.9 lx
— (5%): 69.6 lx	— (10%): 139.3 lx
— (20%): 278.5 lx	— (50%): 696.3 lx
— (100%):1392.5 lx	

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The Average Illuminance Effective Figure

