

Report No.: 1

Test Time: 2016-12-27 09:40

Luminaire Property

Luminaire Category: 0105.W.H641.6
Luminaire Description: 60023
Length (mm): 142
Height (mm): 3
Current: 0.103 A
Power Factor: 0.968

Luminaire Manufacturer: Brasled
Width (mm): 142
Voltage: 230.0 V
Power: 22.89 W

Photometric Results

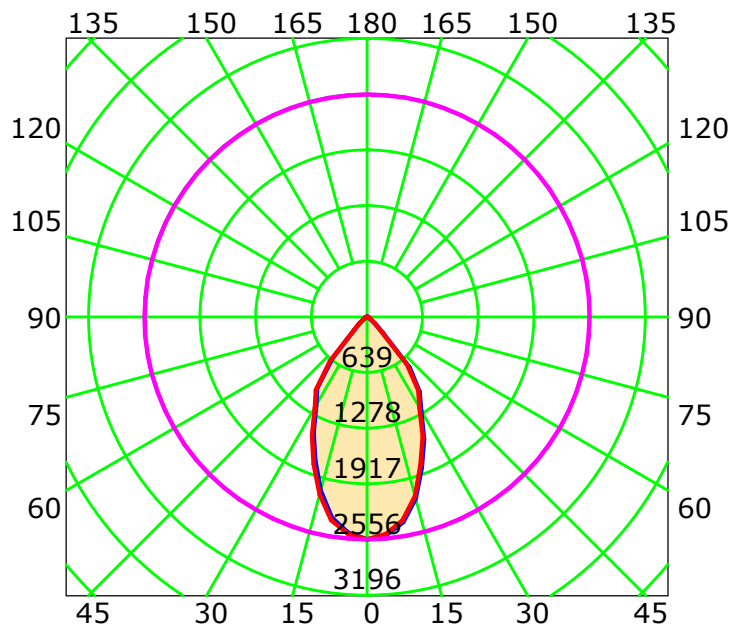
CIE Class: Direct
Measurement Flux: 2472.4 lm
Downward Ratio: 100%
Field Angle: H89.3 V89.1
Luminaire Efficacy Rating (LER): 108
Max. Intensity: 2556.92 cd

Total Rated Lamp Lumens: 2472.4 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H57.6 V57.6
Central Intensity: 2554.68 cd
Pos of Max. Intensity: H112.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



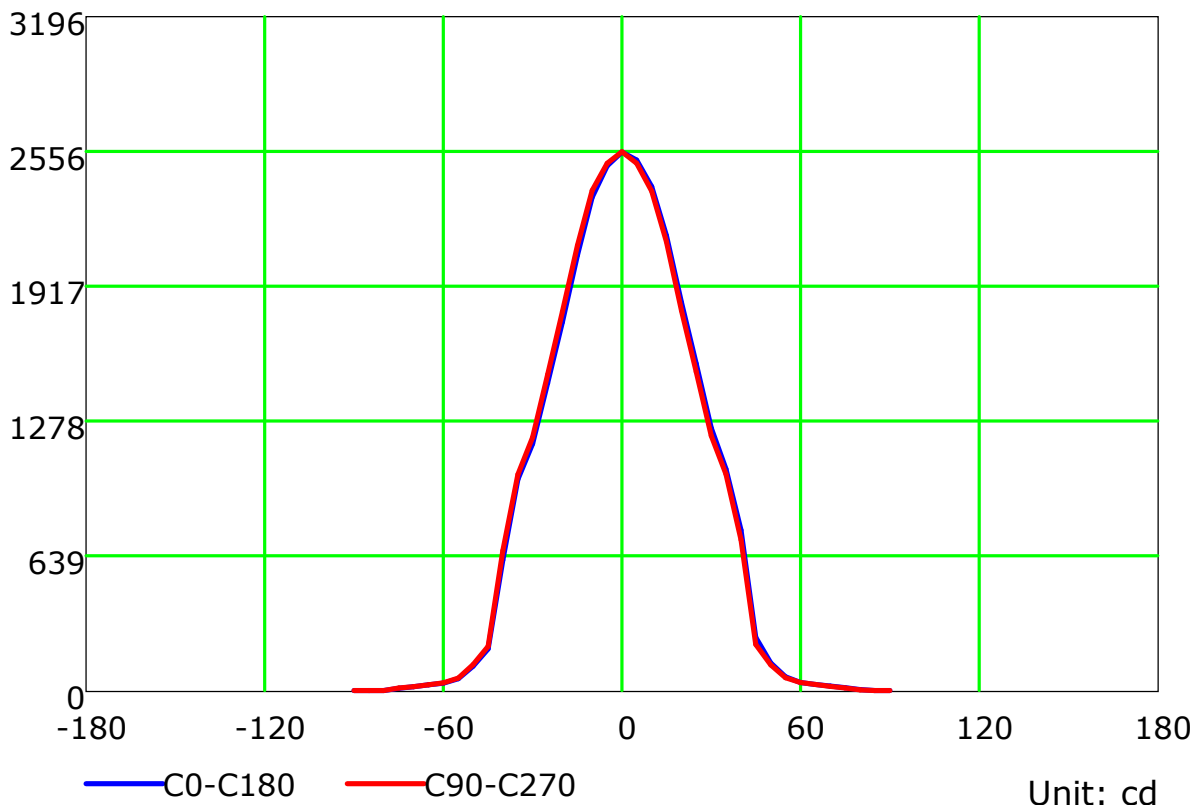
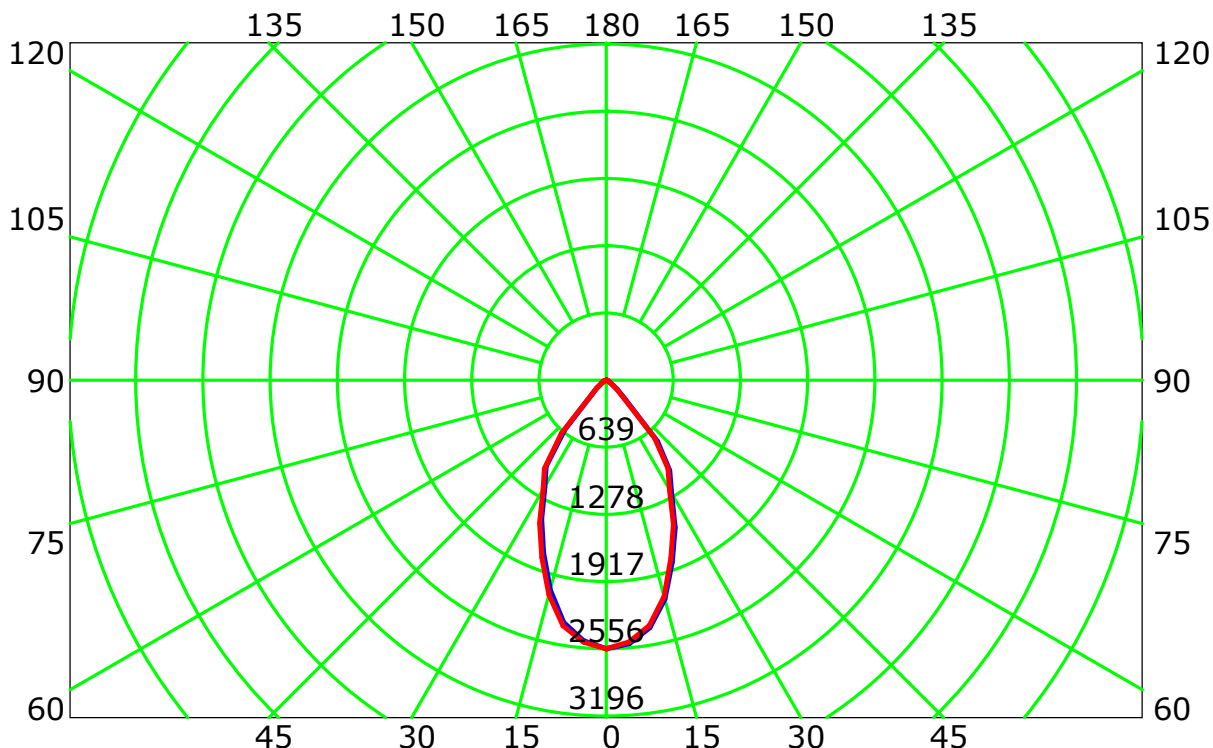
Average Diffuse Angle(50%): 57.6° Unit: cd

— 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



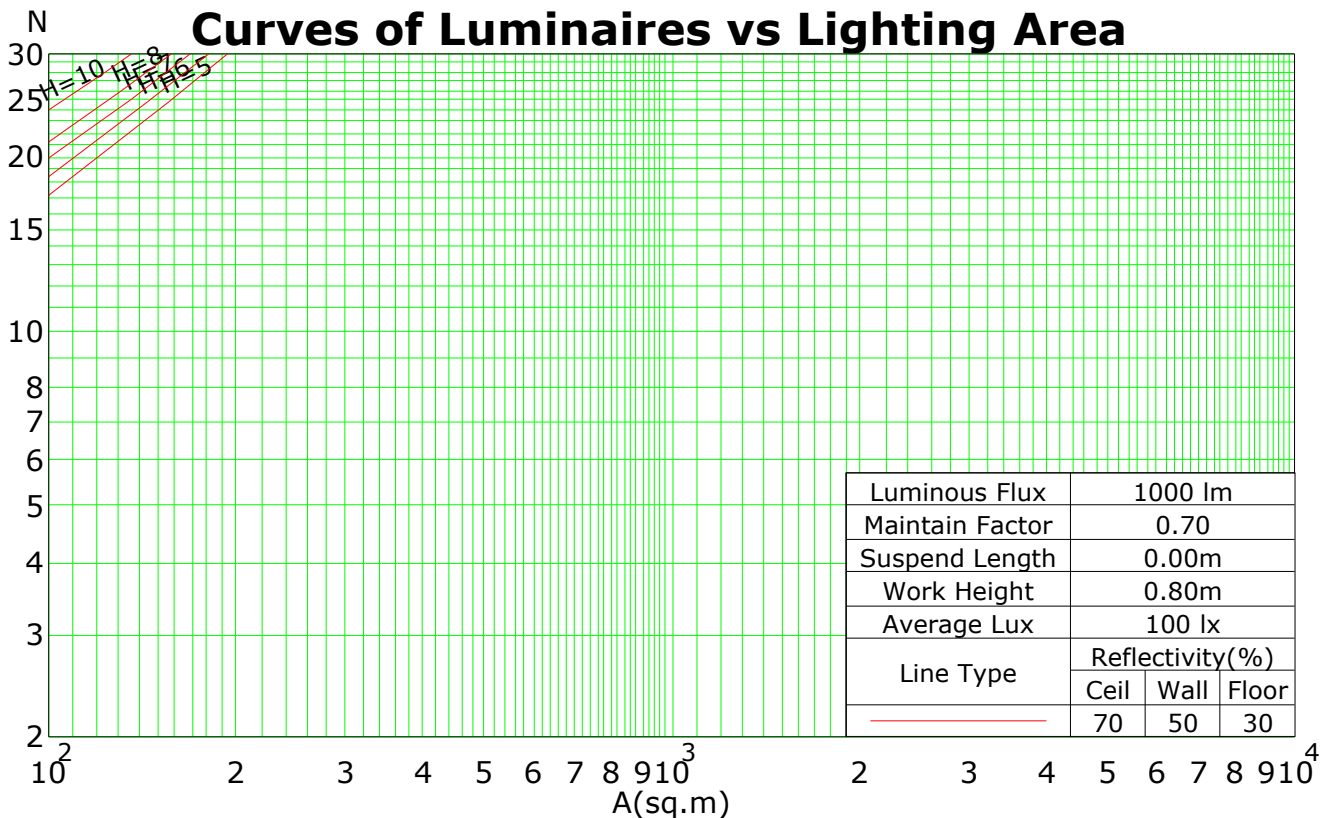
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Coefficients Of Utilization - Zonal Cavity Method

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	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	77	93	86	81	76	84	79	75	82	78	74	80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57
8	76	66	60	55	75	66	60	55	64	59	55	63	58	55	62	58	55	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

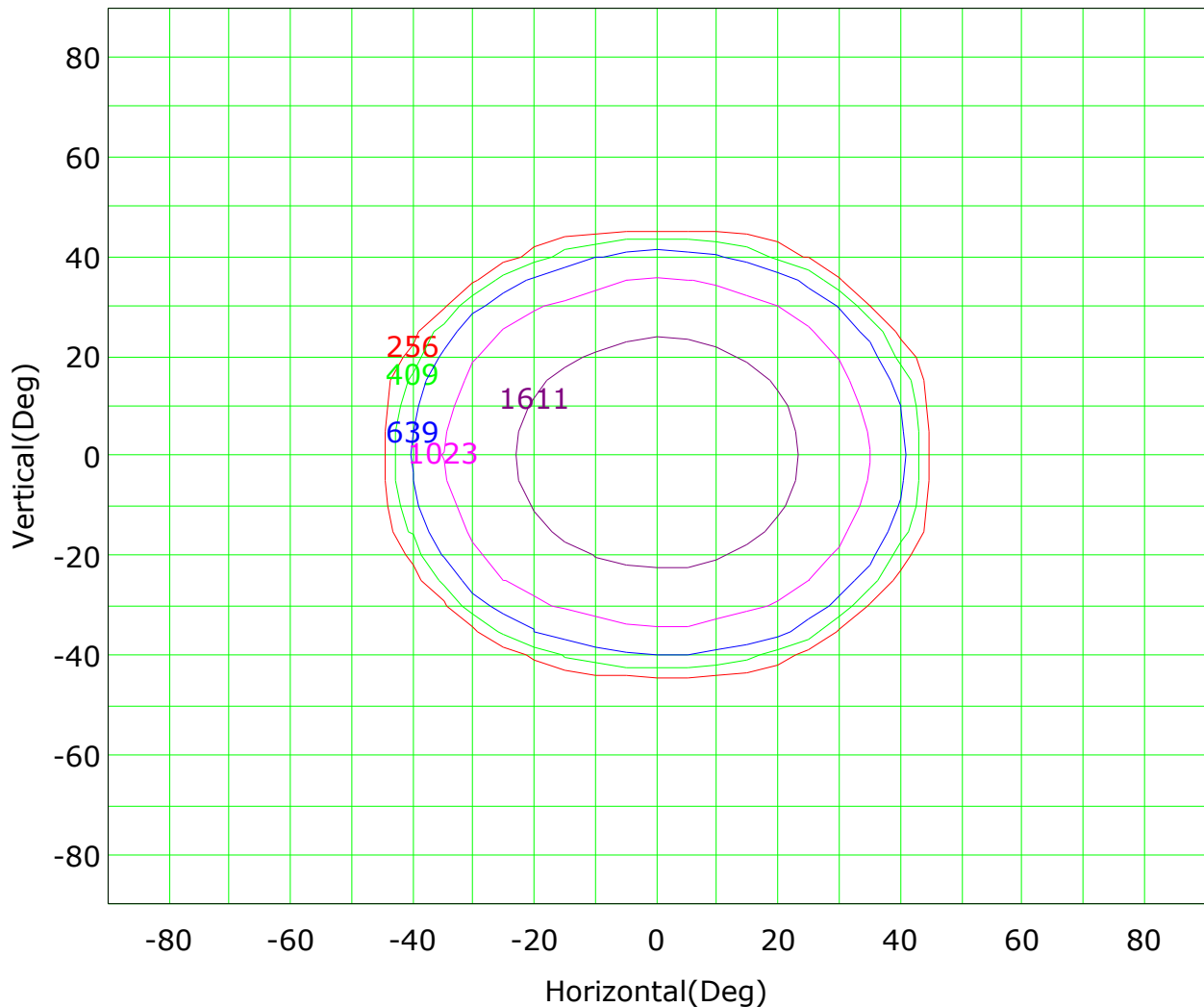
Spacing Criteria (0-180): 0.84
 Spacing Criteria (90-270): 0.84
 Spacing Criteria (Diagonal): 0.93



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Isocandela (rectangle)



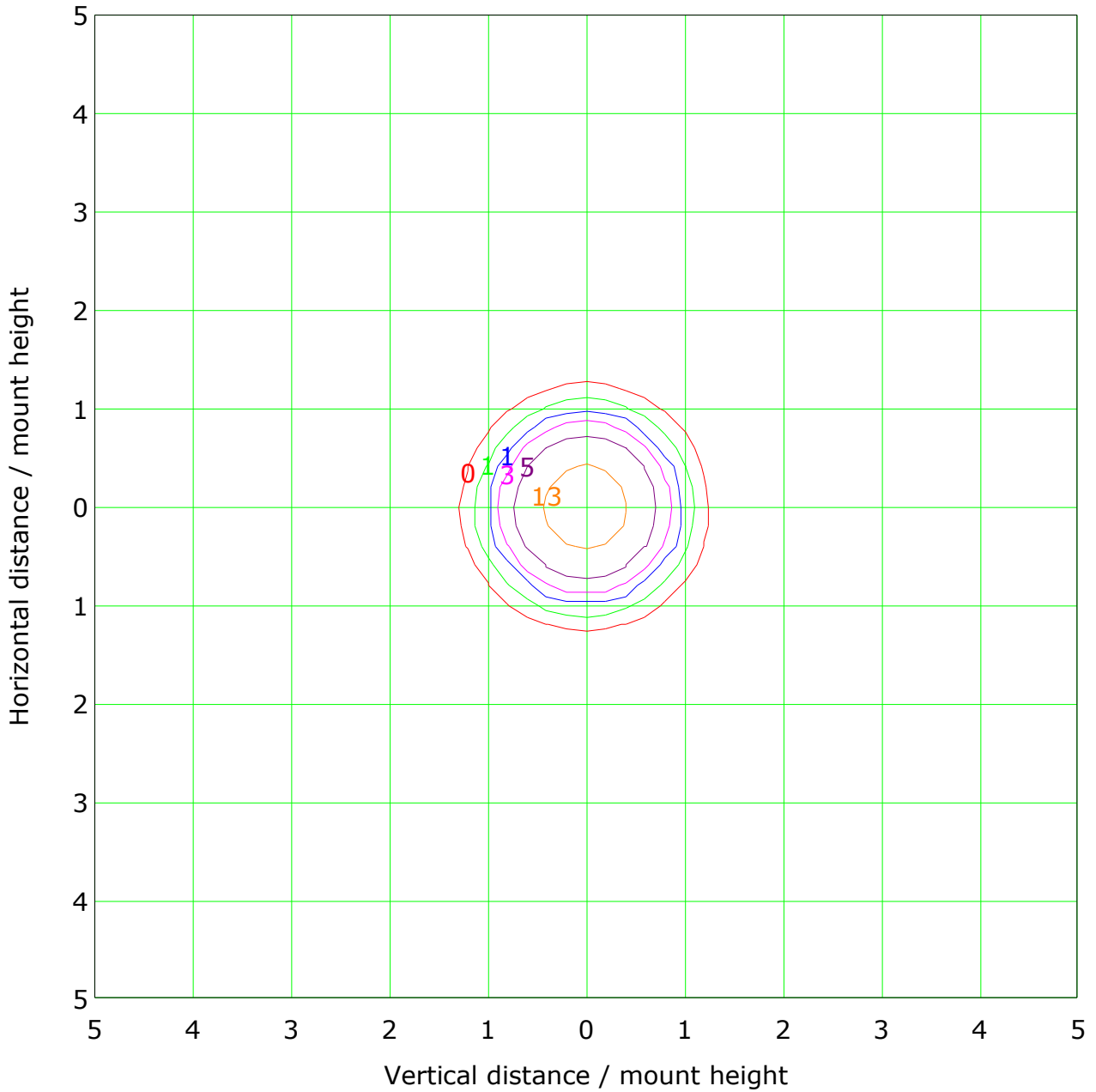
Imax (100%): 2557 cd

— (10%): 256 cd	— (16%): 409 cd
— (25%): 639 cd	— (40%): 1023 cd
— (63%): 1611 cd	— (100%): 2557 cd

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 25.6 lx	
— (1%):	0.3 lx	— (2%):	0.5 lx
— (5%):	1.3 lx	— (10%):	2.6 lx
— (20%):	5.1 lx	— (50%):	12.8 lx
— (100%):	25.6 lx		

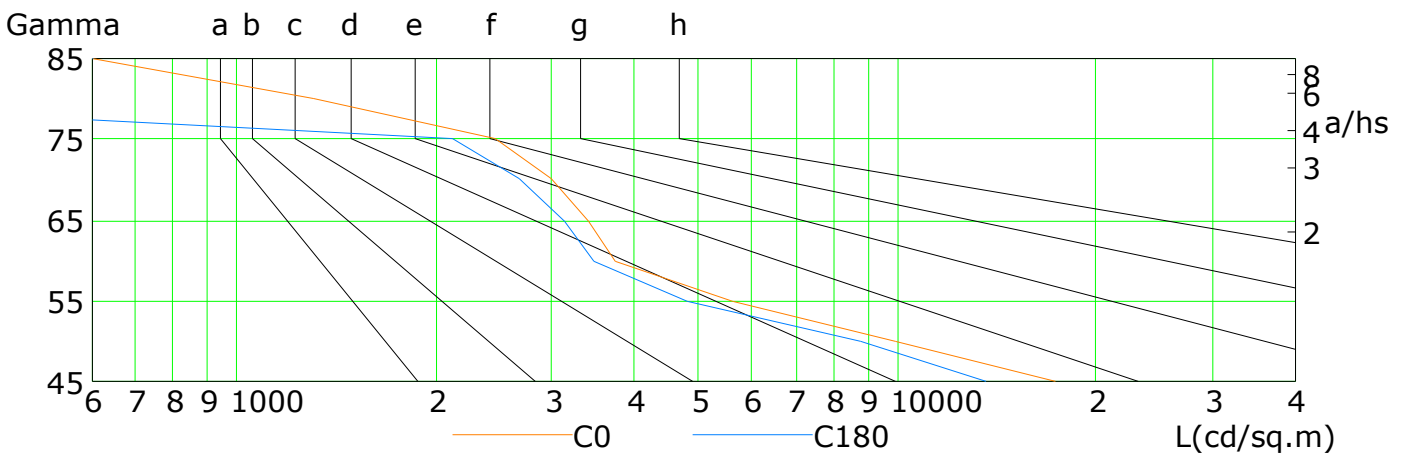
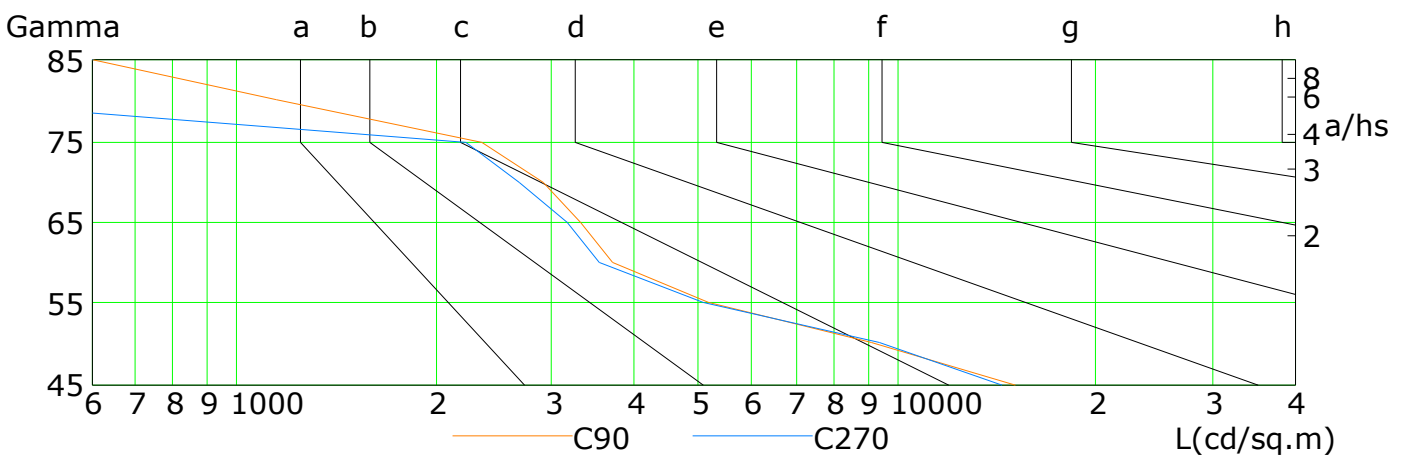
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Lum Limit Curve

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

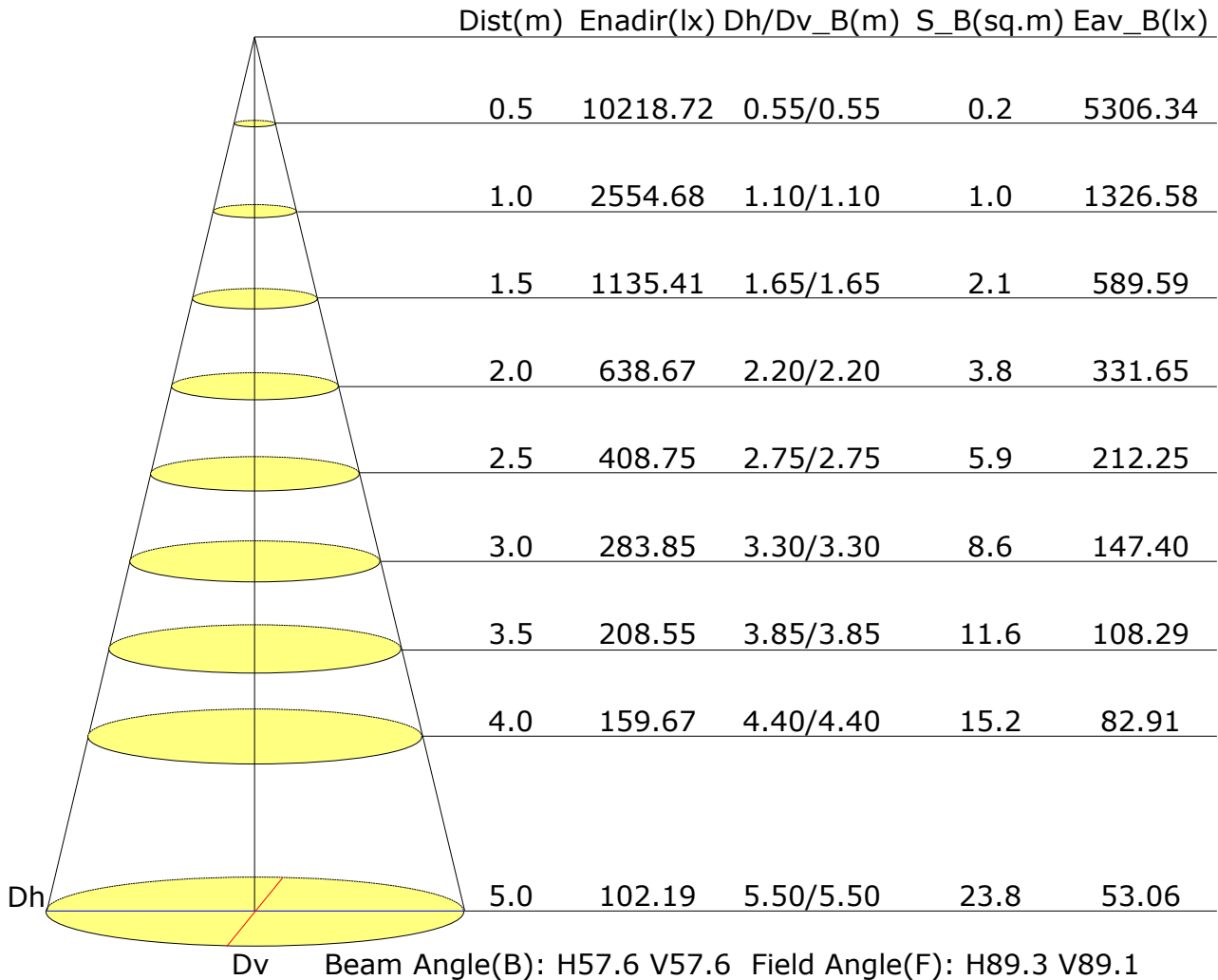


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	17344	9924	5602	3745	3386	2990	2451	1308	0
C90	15118	9152	5170	3684	3314	2903	2337	1145	0
C180	13575	8765	4793	3470	3133	2682	2108	163	0
C270	14435	9345	5063	3531	3170	2682	2222	326	0

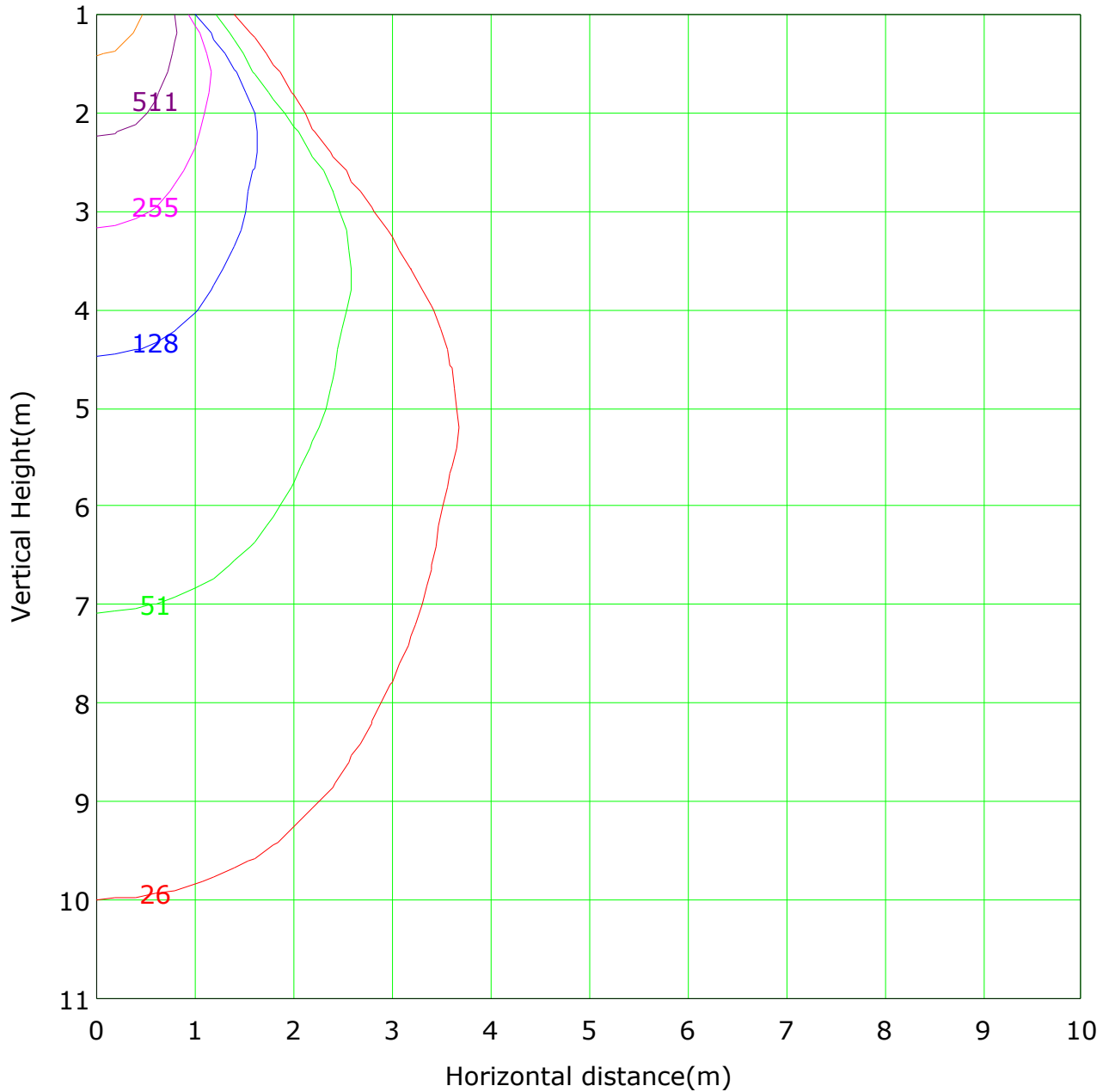
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2554.7 lx

— (1%): 25.5 lx	— (2%): 51.1 lx
— (5%): 127.7 lx	— (10%): 255.5 lx
— (20%): 510.9 lx	— (50%): 1277.3 lx
— (100%): 2554.7 lx	

The Average Illuminance Effective Figure

