

Report No.: 1

Test Time: 2017-01-10 17:04

Luminaire Property

Luminaire Category: 0404.W.H624.6
Luminaire Description: 60030
Length (mm): 142
Height (mm): 3
Current: 0.127 A
Power Factor: 0.980

Luminaire Manufacturer: Brasled
Width (mm): 142
Voltage: 230.1 V
Power: 28.71 W

Photometric Results

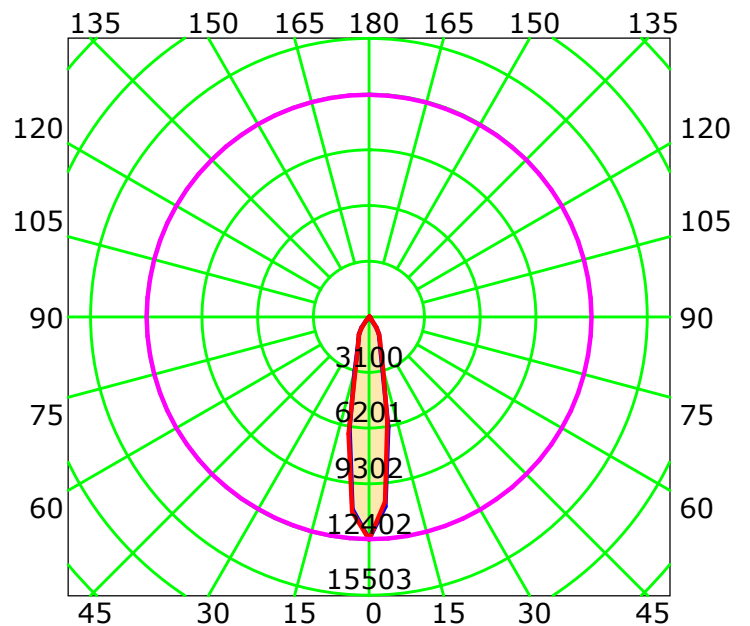
CIE Class: Direct
Measurement Flux: 3002.4 lm
Downward Ratio: 100%
Field Angle: H55.8 V56.5
Luminaire Efficacy Rating (LER): 105
Max. Intensity: 12403 cd

Total Rated Lamp Lumens: 3002.4 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H20.3 V20.3
Central Intensity: 12382.09 cd
Pos of Max. Intensity: H67.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



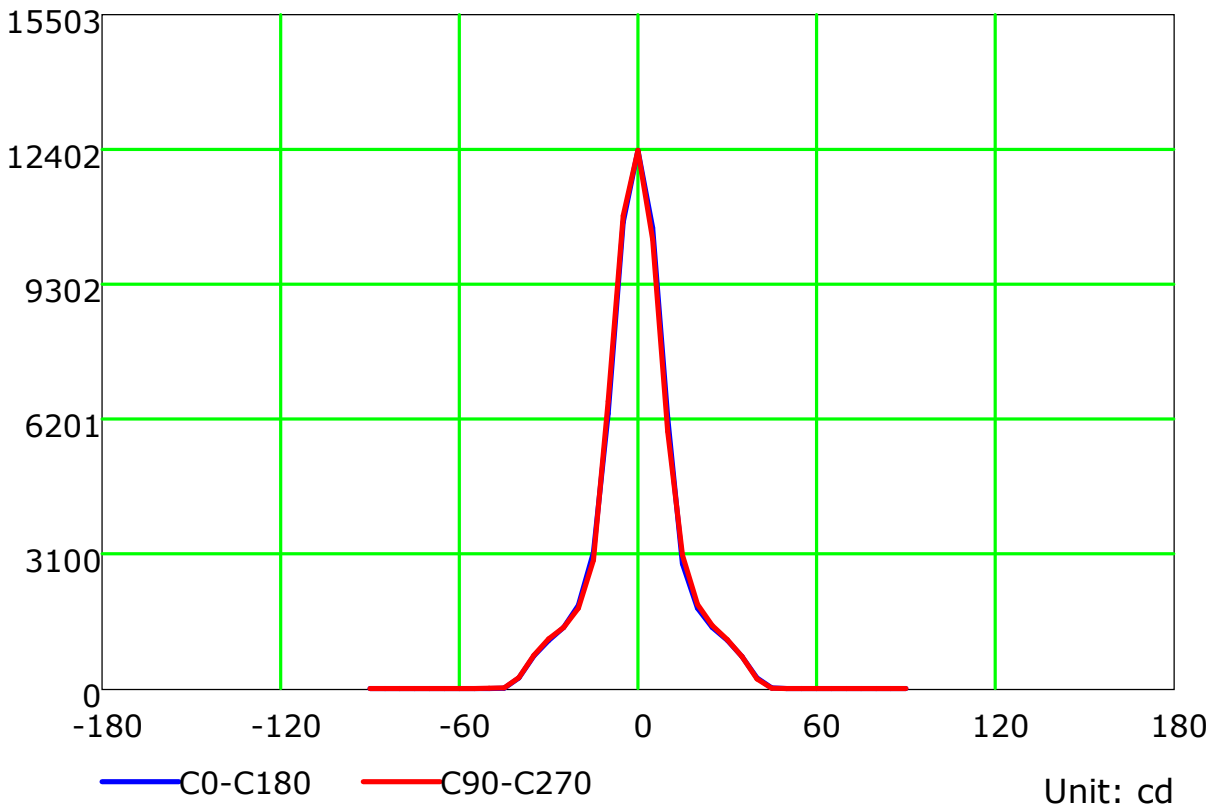
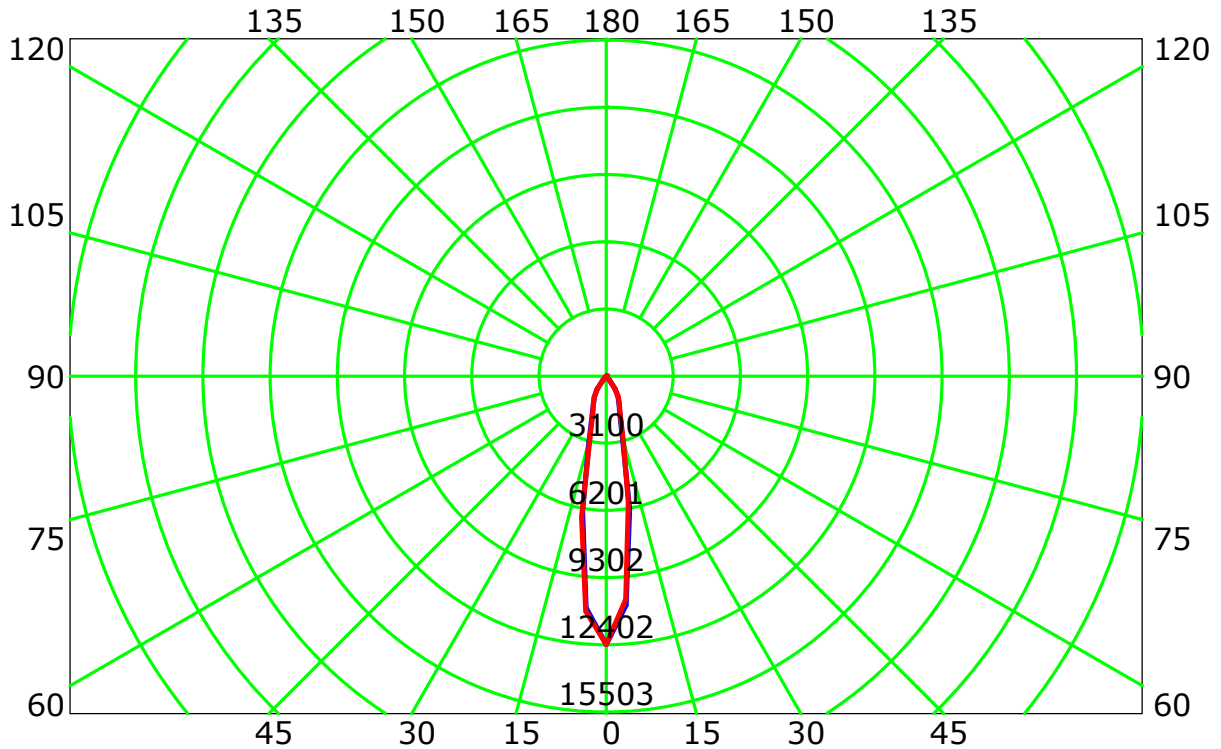
Average Diffuse Angle(50%): 20.3° Unit: cd

— 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



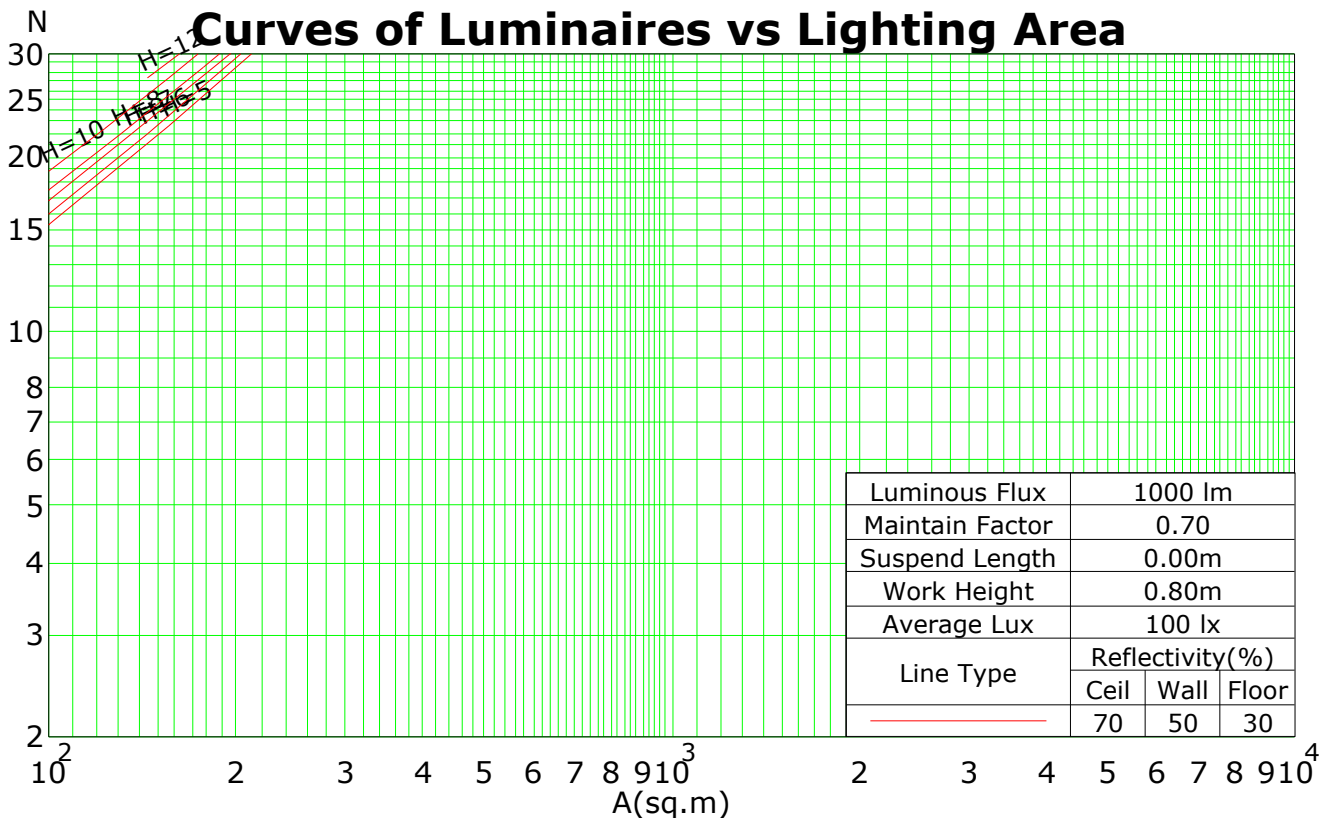
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Coefficients Of Utilization - Zonal Cavity Method

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	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	75	71	69	68
10	82	75	70	67	81	74	70	67	73	69	67	73	69	66	72	69	66	65

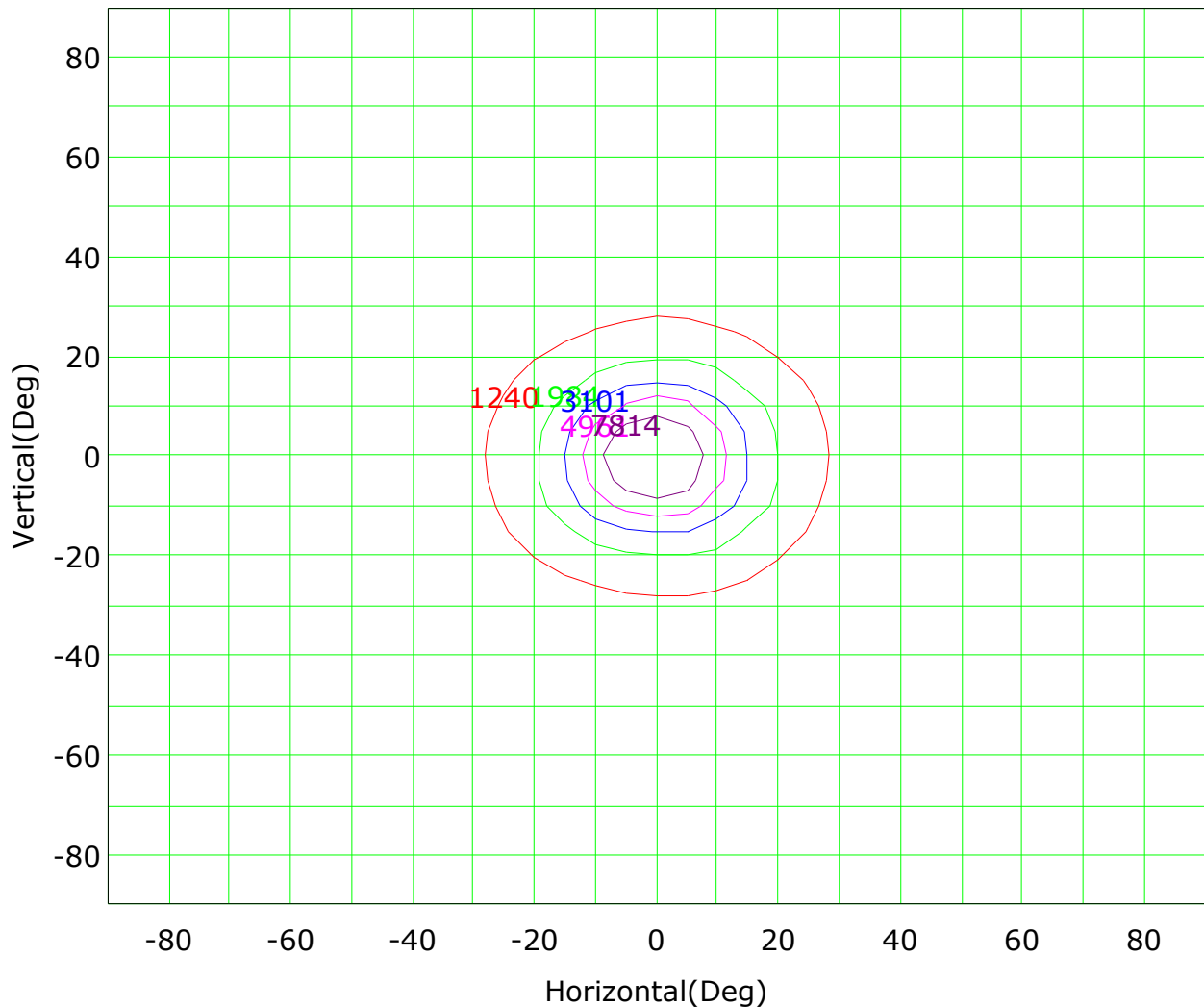
Spacing Criteria (0-180): 0.34
 Spacing Criteria (90-270): 0.34
 Spacing Criteria (Diagonal): 0.36



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Isocandela (rectangle)



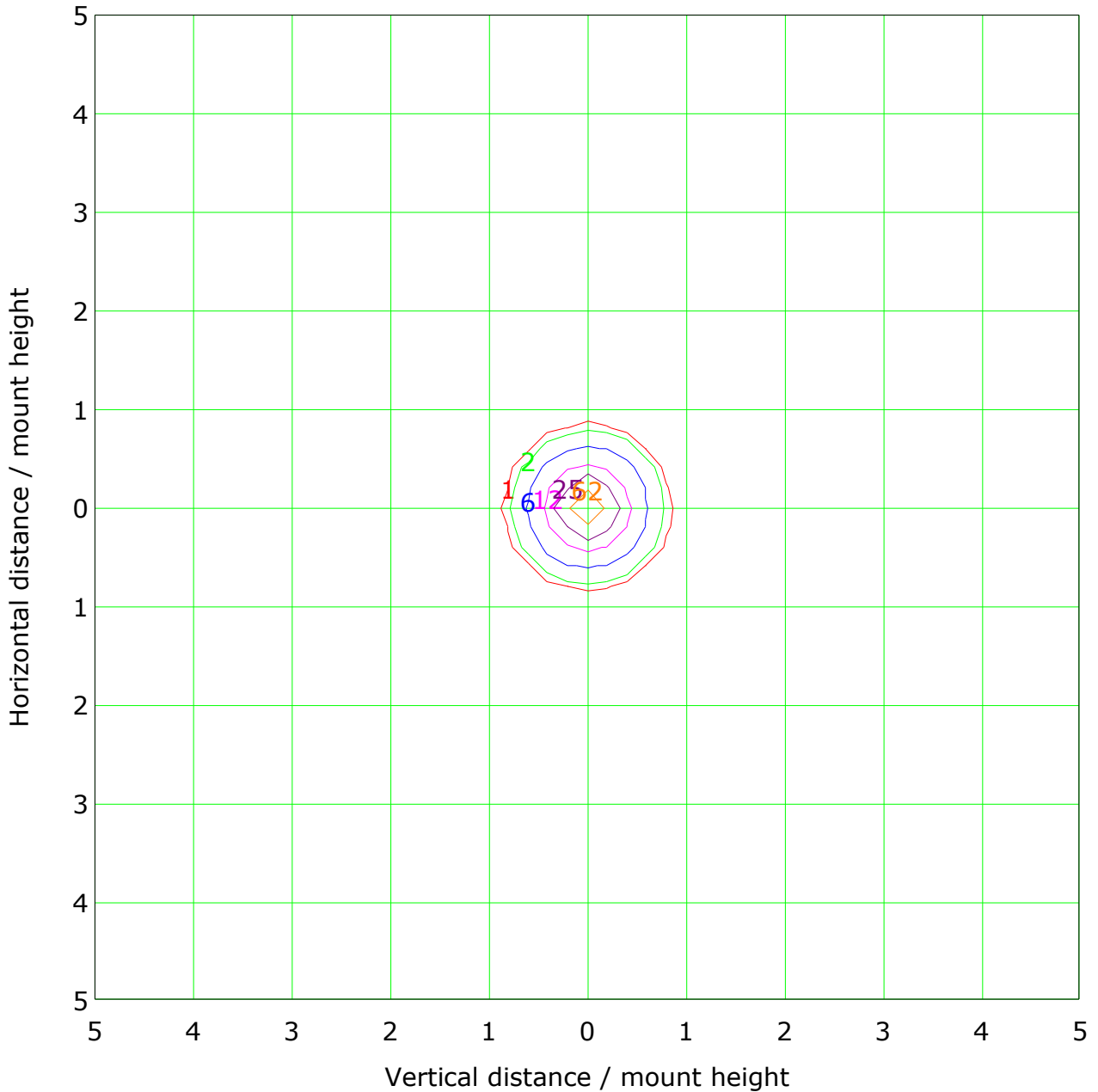
Imax (100%): 12403 cd

- | | |
|-------------------|--------------------|
| — (10%): 1240 cd | — (16%): 1984 cd |
| — (25%): 3101 cd | — (40%): 4961 cd |
| — (63%): 7814 cd | — (100%): 12403 cd |

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 124.0 lx
— (1%): 1.2 lx	— (2%): 2.5 lx	
— (5%): 6.2 lx	— (10%): 12.4 lx	
— (20%): 24.8 lx	— (50%): 62.0 lx	
— (100%): 124.0 lx		

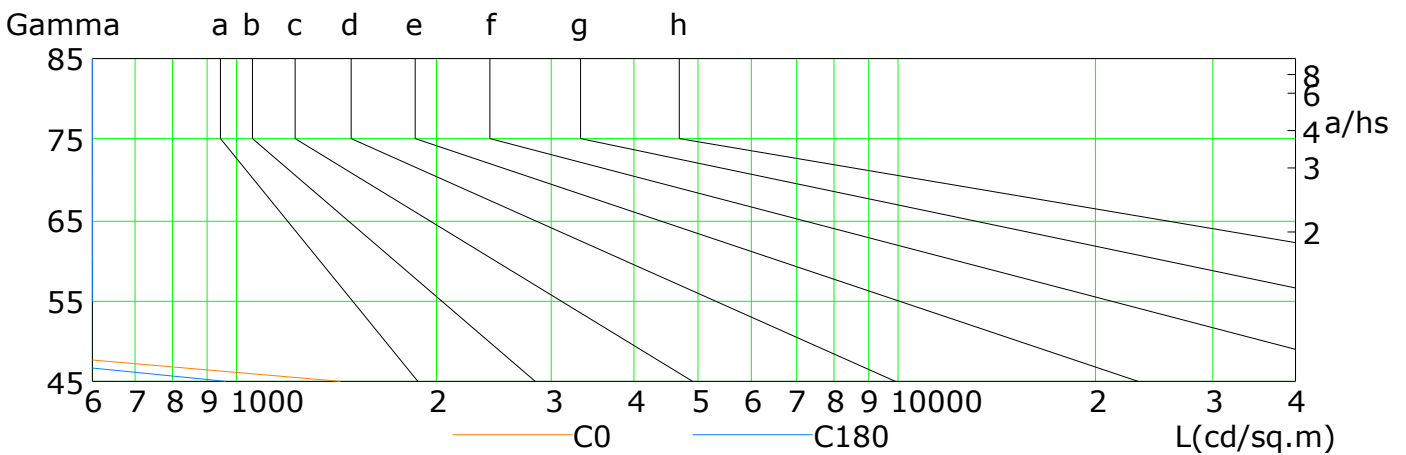
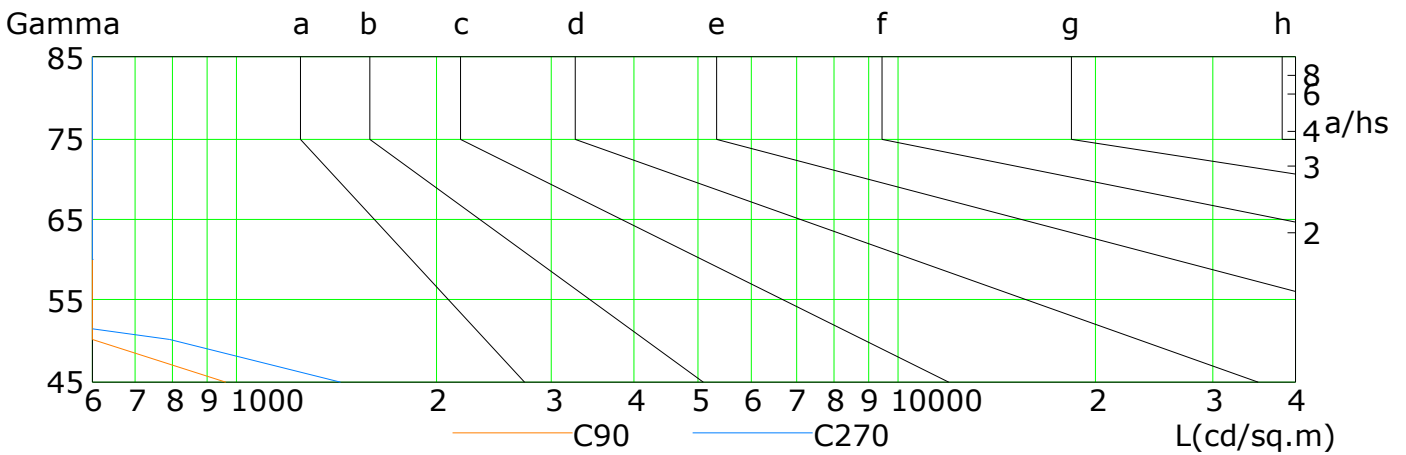
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Lum Limit Curve

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

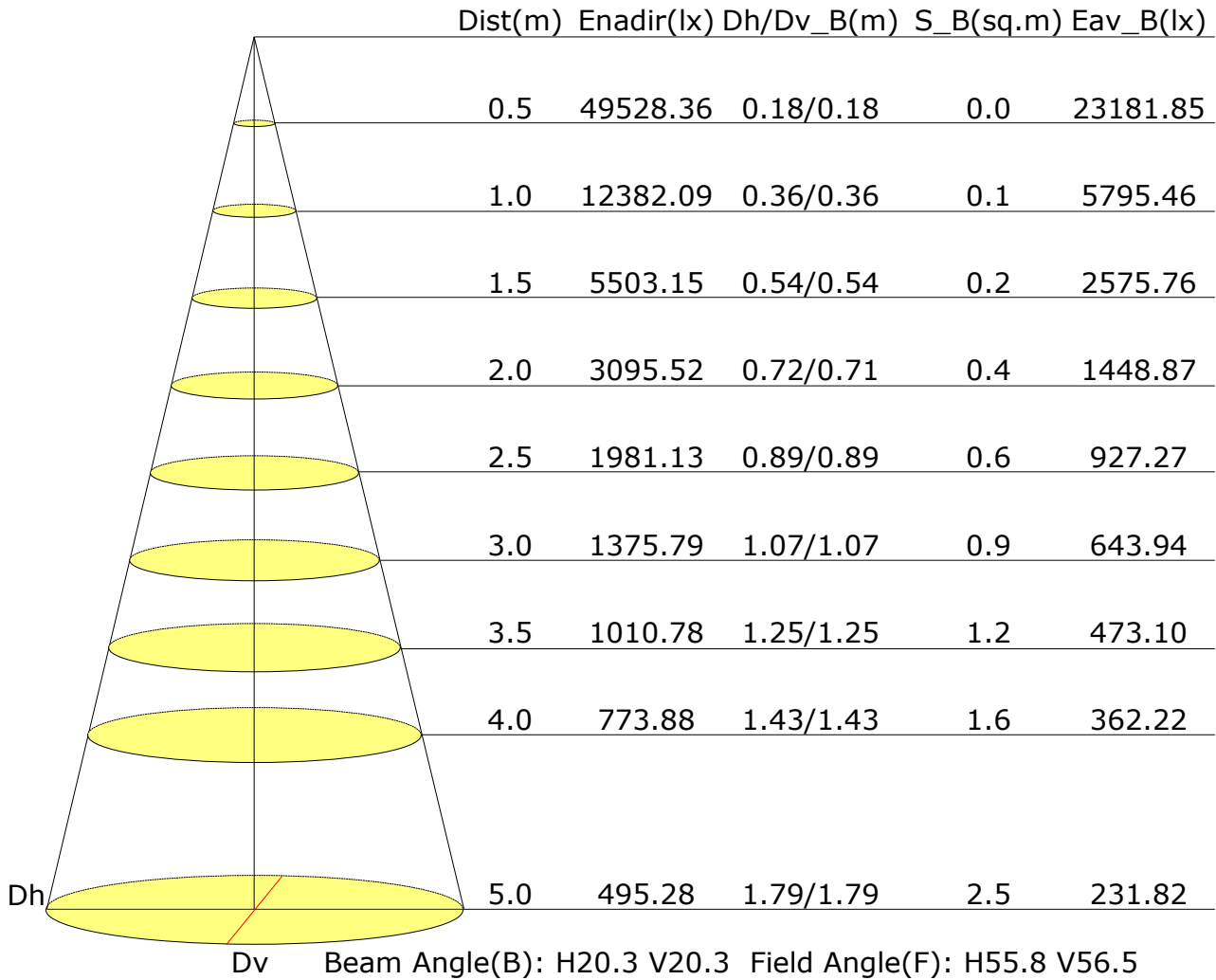


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1436	262	292	0	0	0	0	0	0
C90	957	0	0	0	0	0	0	0	0
C180	957	262	0	0	0	0	0	0	0
C270	1436	786	292	0	0	0	0	0	0

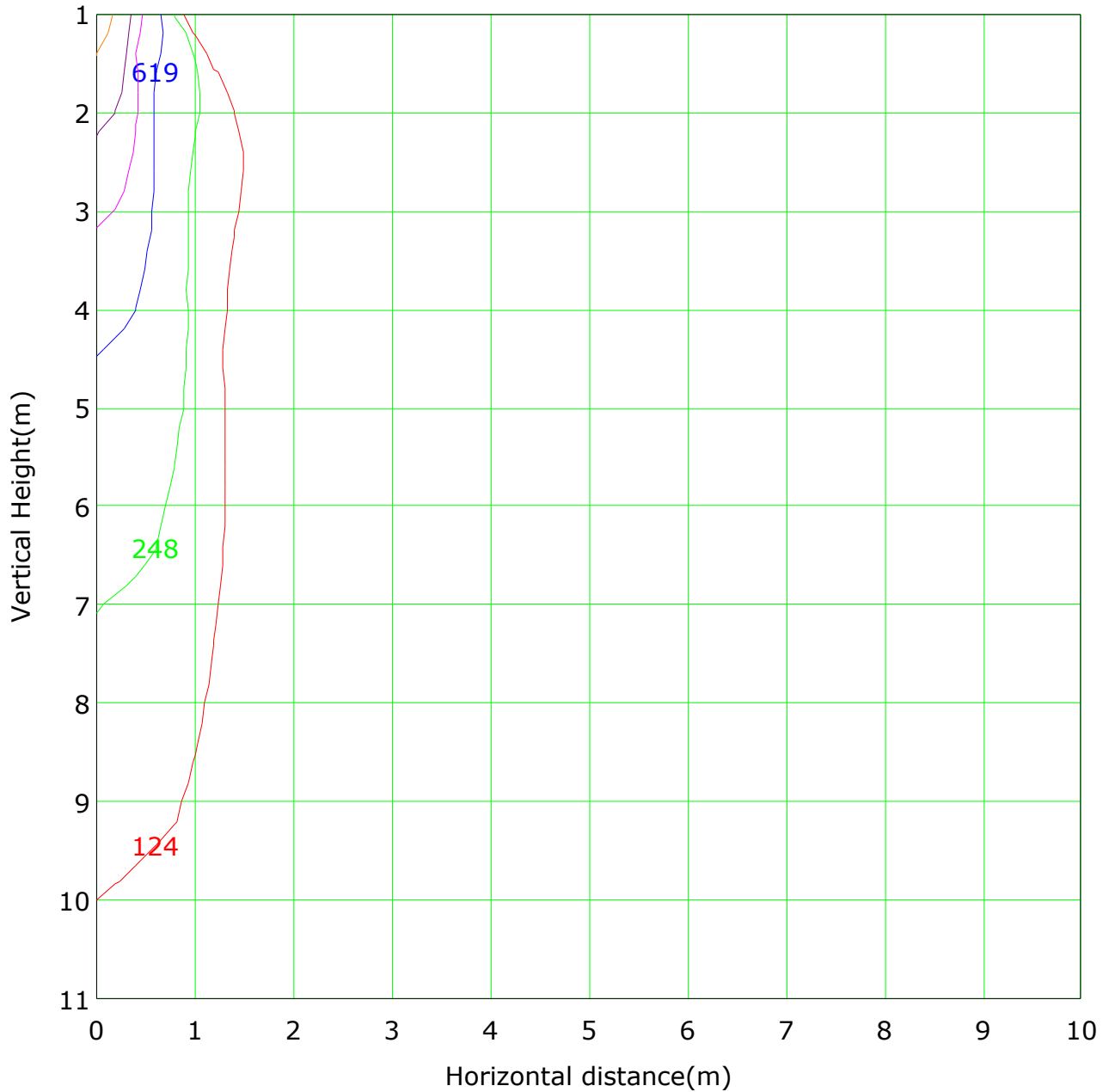
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 12382.1 lx
 — (1%): 123.8 lx — (2%): 247.6 lx
 — (5%): 619.1 lx — (10%): 1238.2 lx
 — (20%): 2476.4 lx — (50%): 6191.0 lx
 — (100%): 12382.1 lx

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The Average Illuminance Effective Figure

