

Report No.: 1

Test Time: 2017-01-17 12:29

Luminaire Property

Luminaire Category: 0112.W.H341.6
Luminaire Description: 60020
Length (mm): 138
Height (mm): 3
Current: 0.074 A
Power Factor: 0.974

Luminaire Manufacturer: Brasled
Width (mm): 138
Voltage: 230.0 V
Power: 16.61 W

Photometric Results

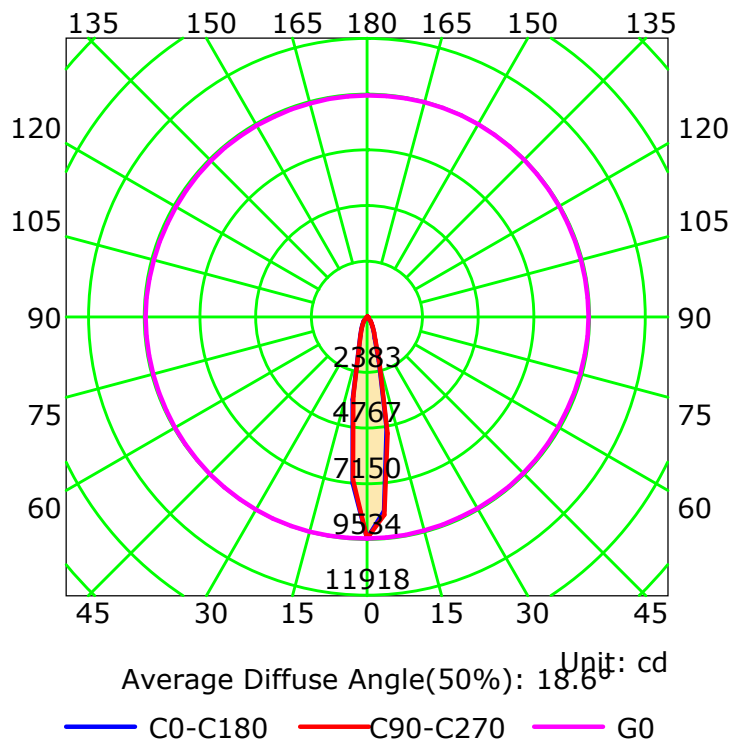
CIE Class: Direct
Measurement Flux: 1811.1 lm
Downward Ratio: 100%
Field Angle: H39.6 V40.5
Luminaire Efficacy Rating (LER): 109
Max. Intensity: 9534.41 cd

Total Rated Lamp Lumens: 1811.1 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H18.5 V18.7
Central Intensity: 9485.89 cd
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



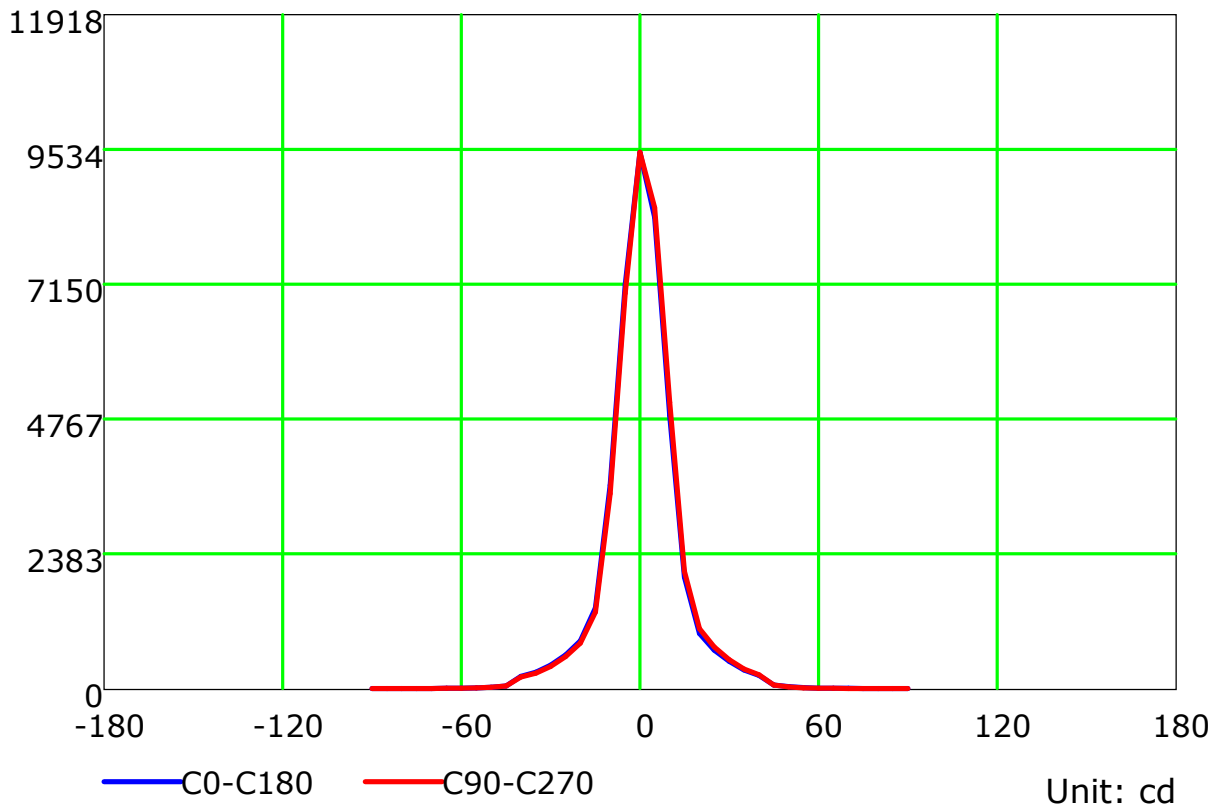
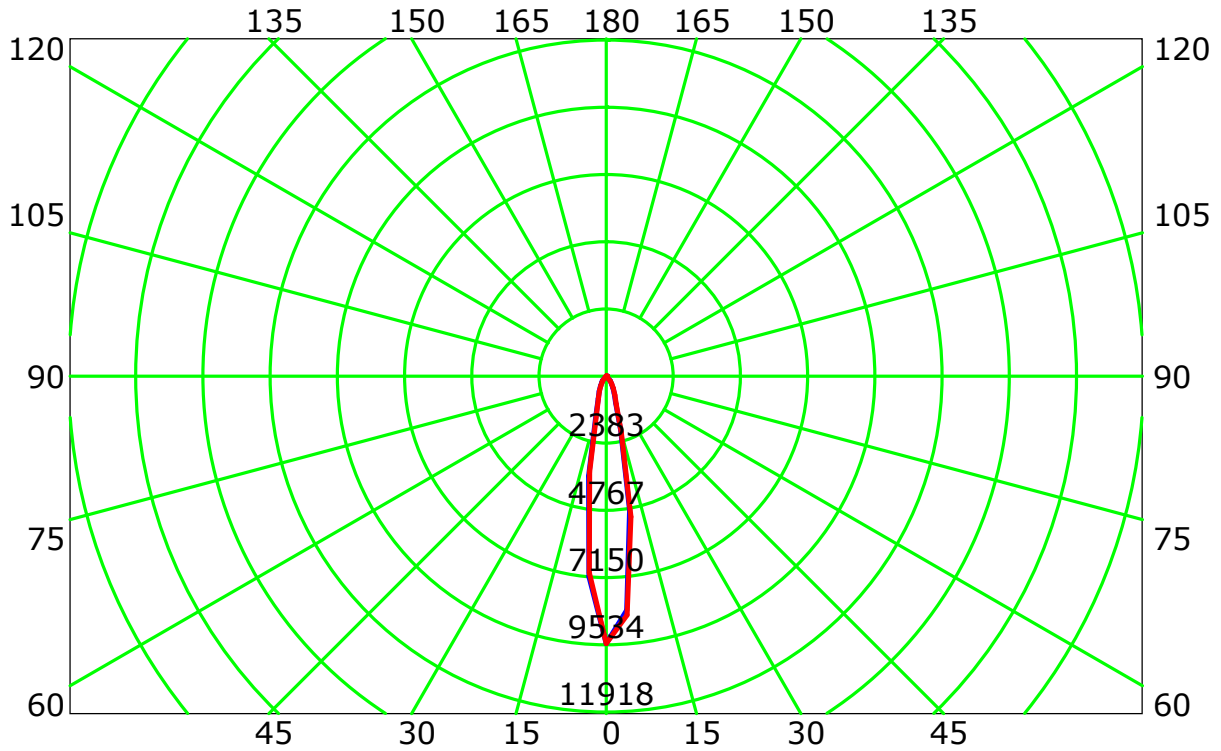
Luminous Intensity Distribution Curve



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



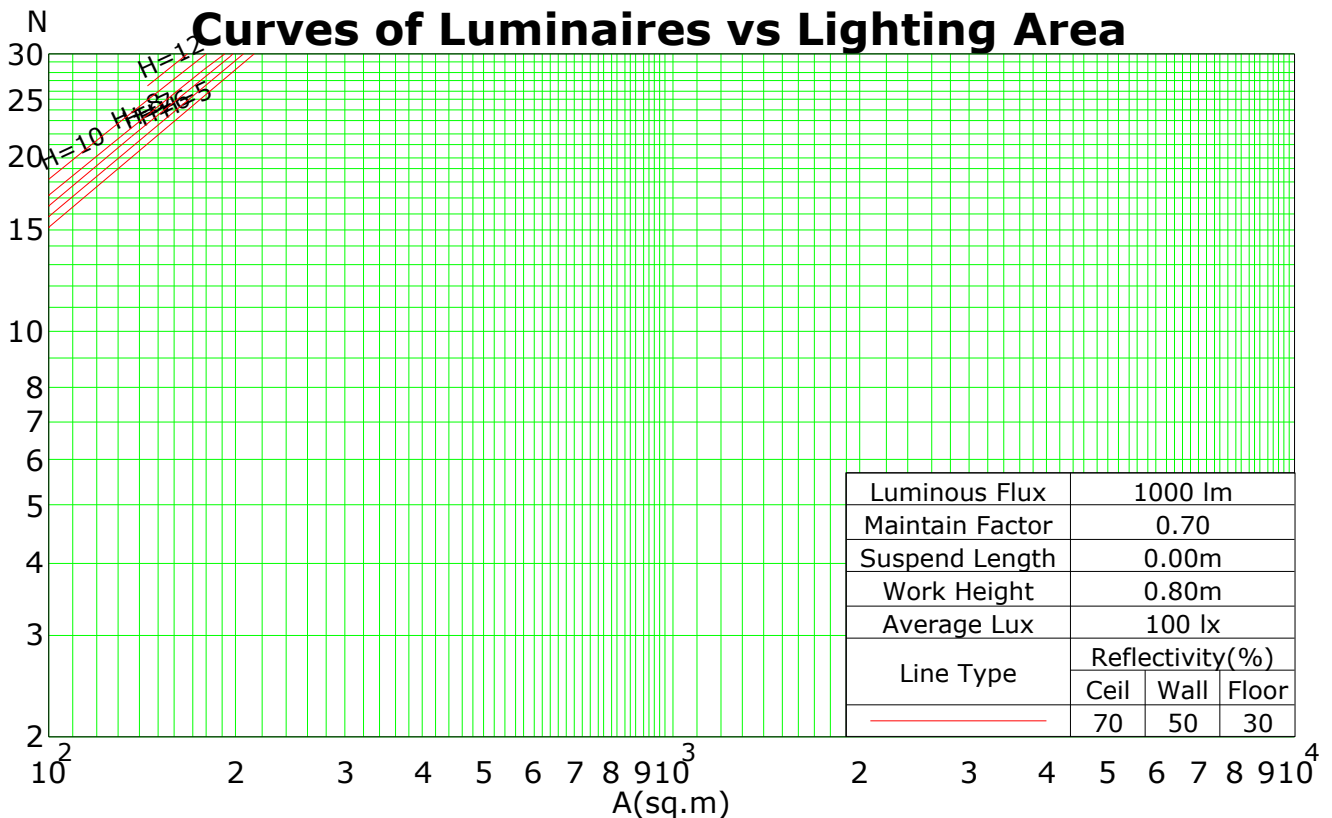
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Coefficients Of Utilization - Zonal Cavity Method

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	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75
8	89	82	77	74	88	81	77	74	80	76	74	80	76	73	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

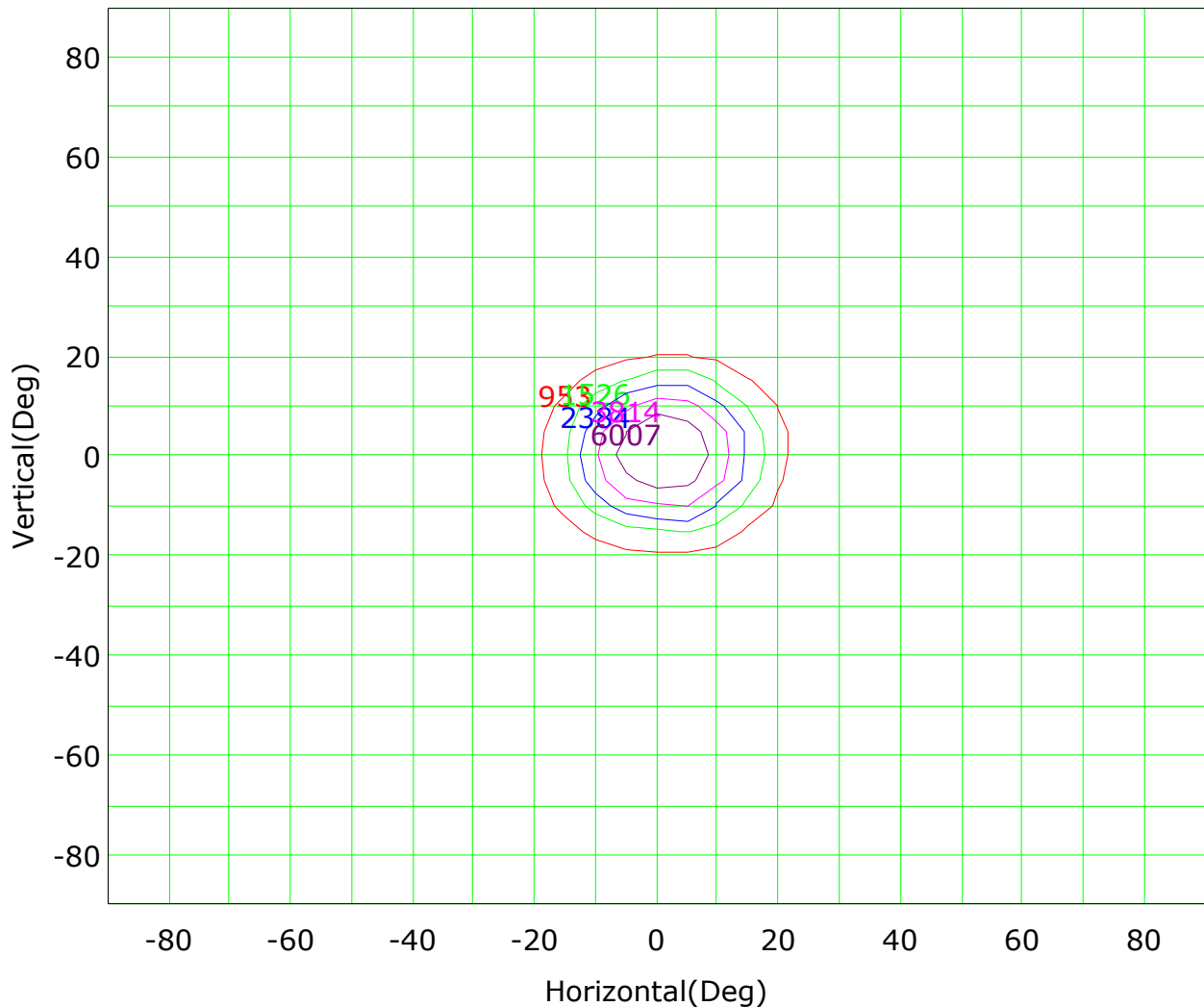
Spacing Criteria (0-180): 0.32
 Spacing Criteria (90-270): 0.32
 Spacing Criteria (Diagonal): 0.33



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Isocandela (rectangle)



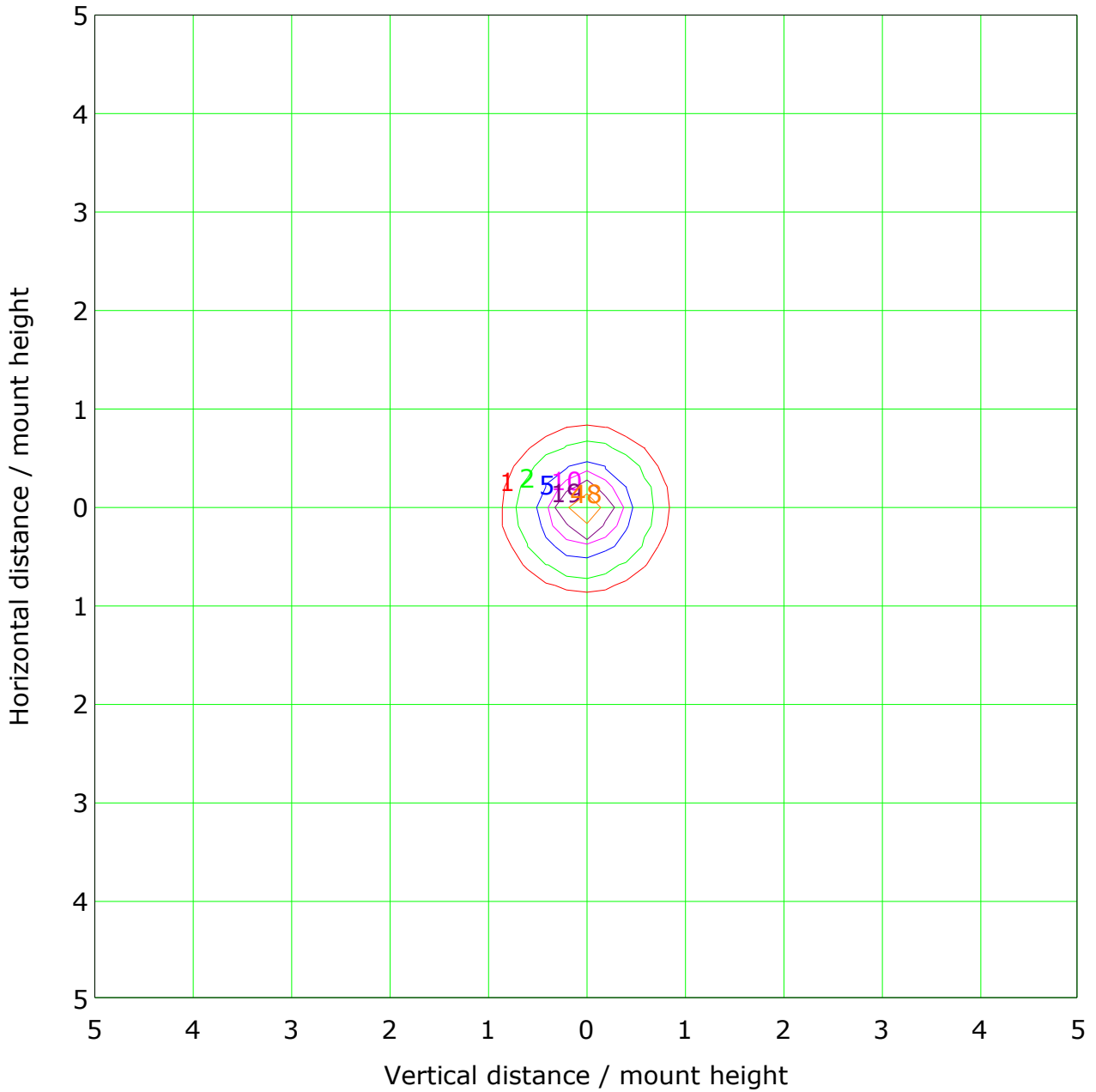
Imax (100%): 9534 cd

— (10%): 953 cd	— (16%): 1526 cd
— (25%): 2384 cd	— (40%): 3814 cd
— (63%): 6007 cd	— (100%): 9534 cd

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 95.3 lx	
— (1%):	1.0 lx	— (2%):	1.9 lx
— (5%):	4.8 lx	— (10%):	9.5 lx
— (20%):	19.1 lx	— (50%):	47.7 lx
— (100%):	95.3 lx		

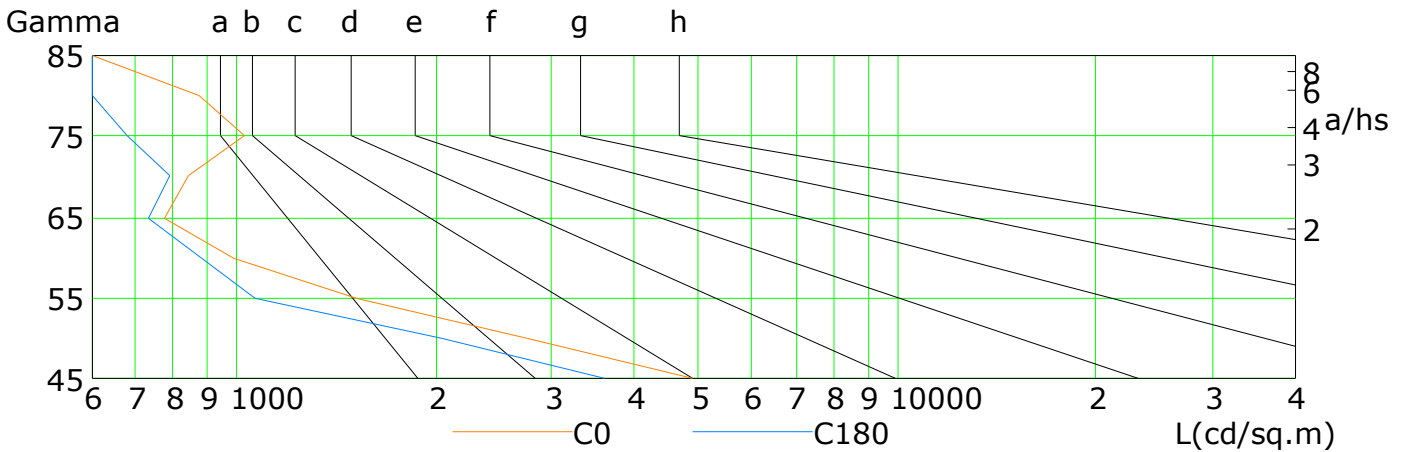
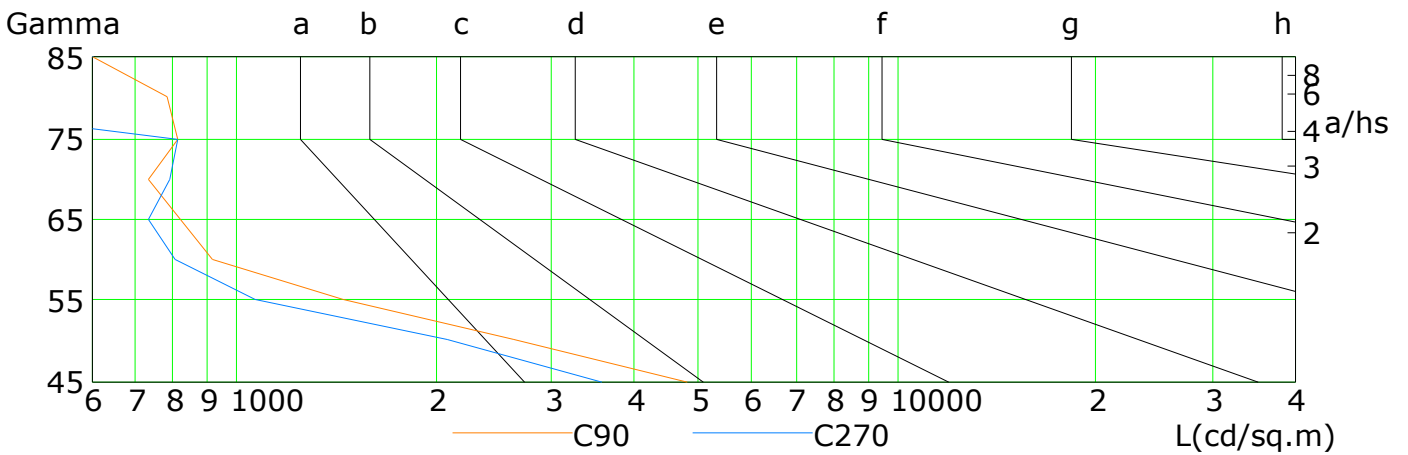
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Lum Limit Curve

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

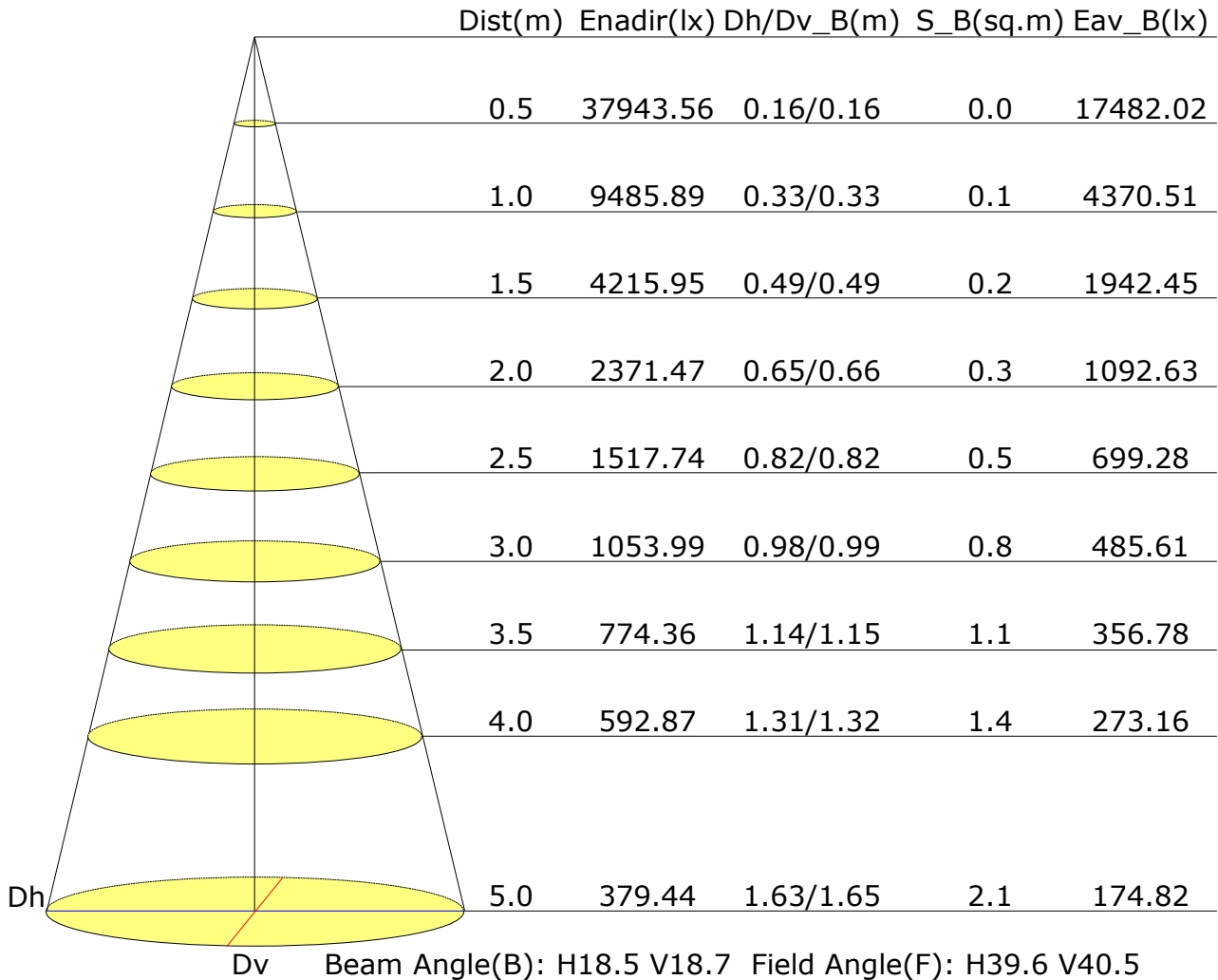


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4894	2738	1510	989	774	839	1019	878	0
C90	4815	2623	1446	916	817	735	814	781	0
C180	3605	2046	1061	880	730	787	679	0	0
C270	3578	2076	1061	806	730	787	814	194	0

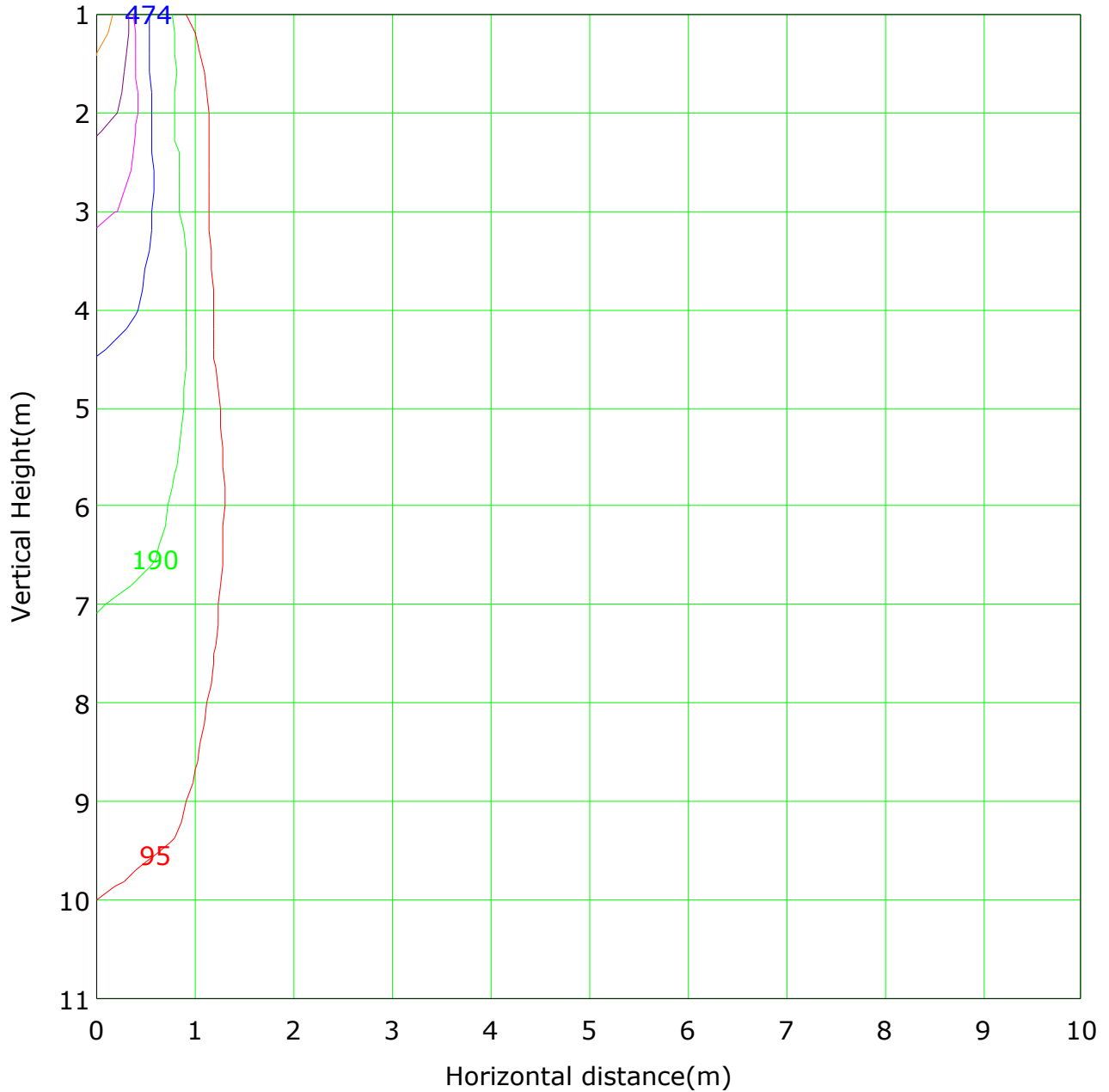
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 9485.9 lx
 — (1%): 94.9 lx — (2%): 189.7 lx
 — (5%): 474.3 lx — (10%): 948.6 lx
 — (20%): 1897.2 lx — (50%): 4742.9 lx
 — (100%): 9485.9 lx

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The Average Illuminance Effective Figure

