

Report No.: 1

Test Time: 2017-01-13 10:12

Luminaire Property

Luminaire Category: 0410.W.A531.6
Luminaire Description: 60043
Length (mm): 150
Height (mm): 2
Current: 0.084 A
Power Factor: 0.962

Luminaire Manufacturer: Brasled
Width (mm): 150
Voltage: 230.0 V
Power: 18.58 W

Photometric Results

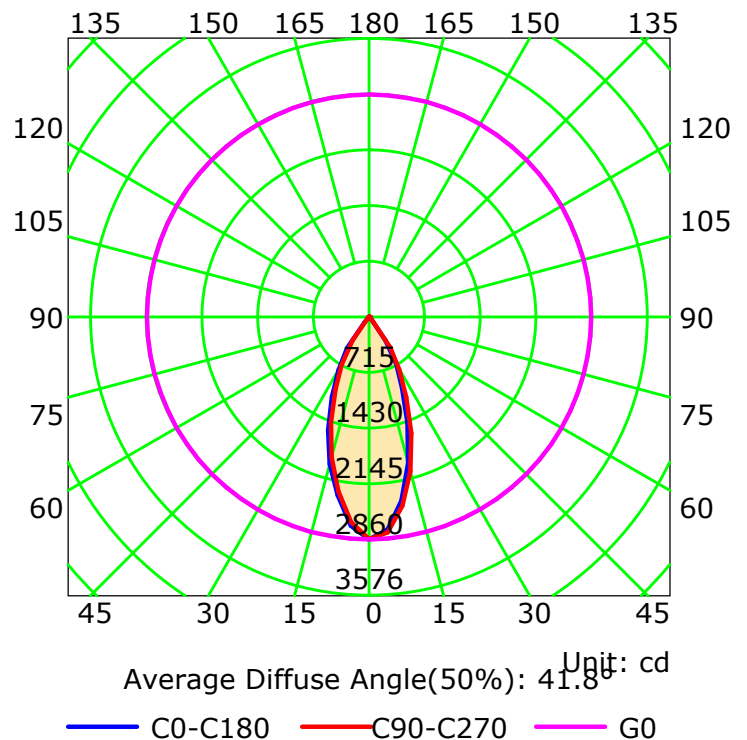
CIE Class: Direct
Measurement Flux: 1601.6 lm
Downward Ratio: 100%
Field Angle: H74.0 V73.8
Luminaire Efficacy Rating (LER): 86
Max. Intensity: 2860.9 cd

Total Rated Lamp Lumens: 1601.6 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H41.7 V42.0
Central Intensity: 2857.46 cd
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



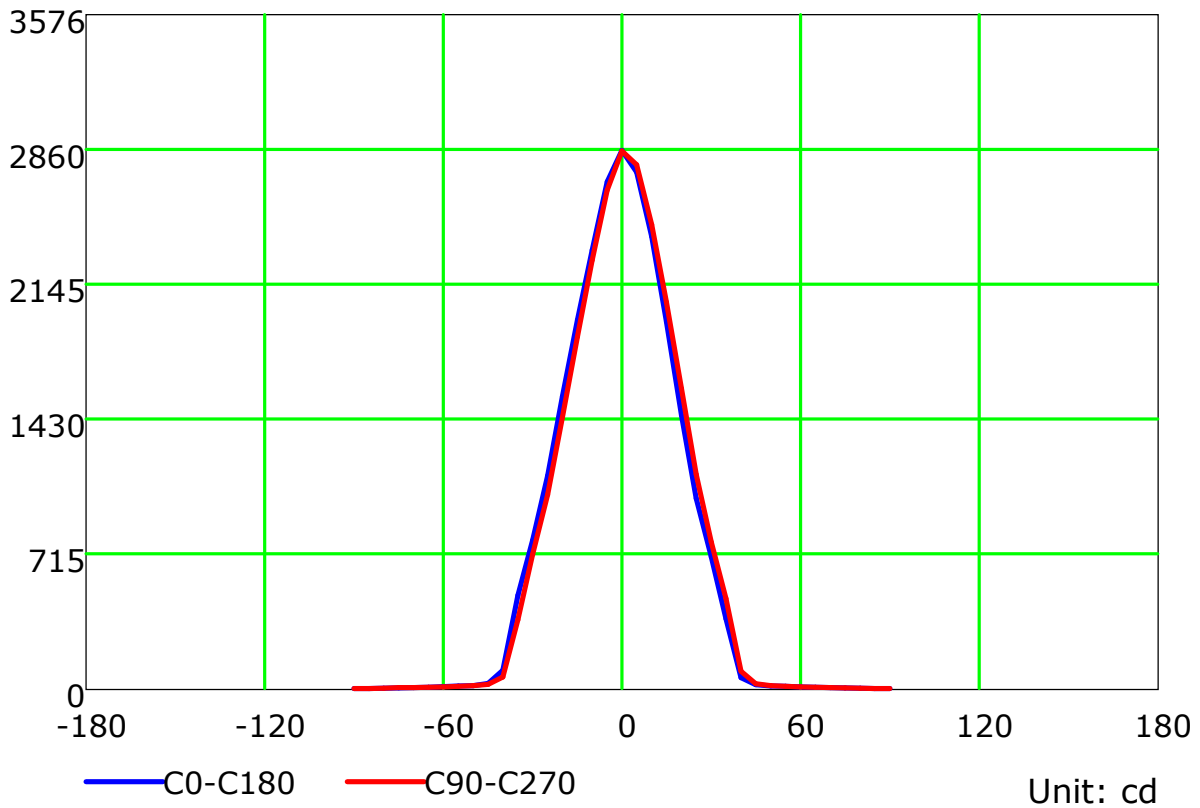
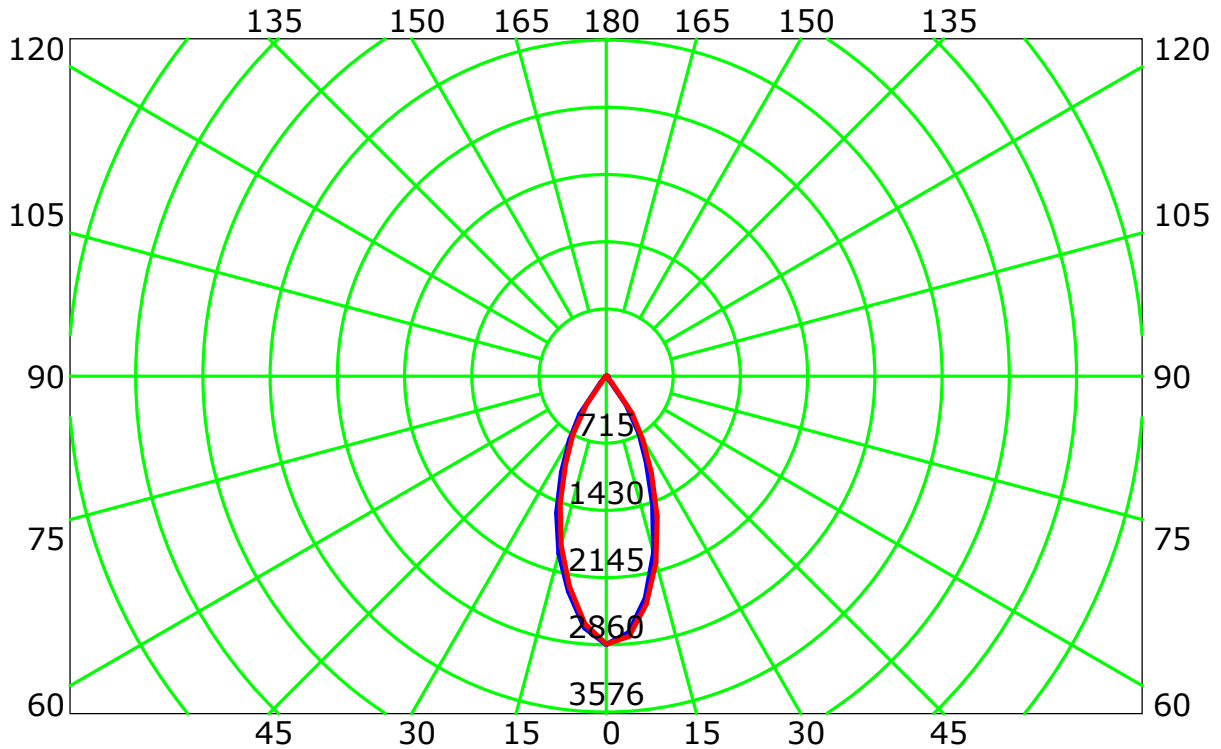
Luminous Intensity Distribution Curve



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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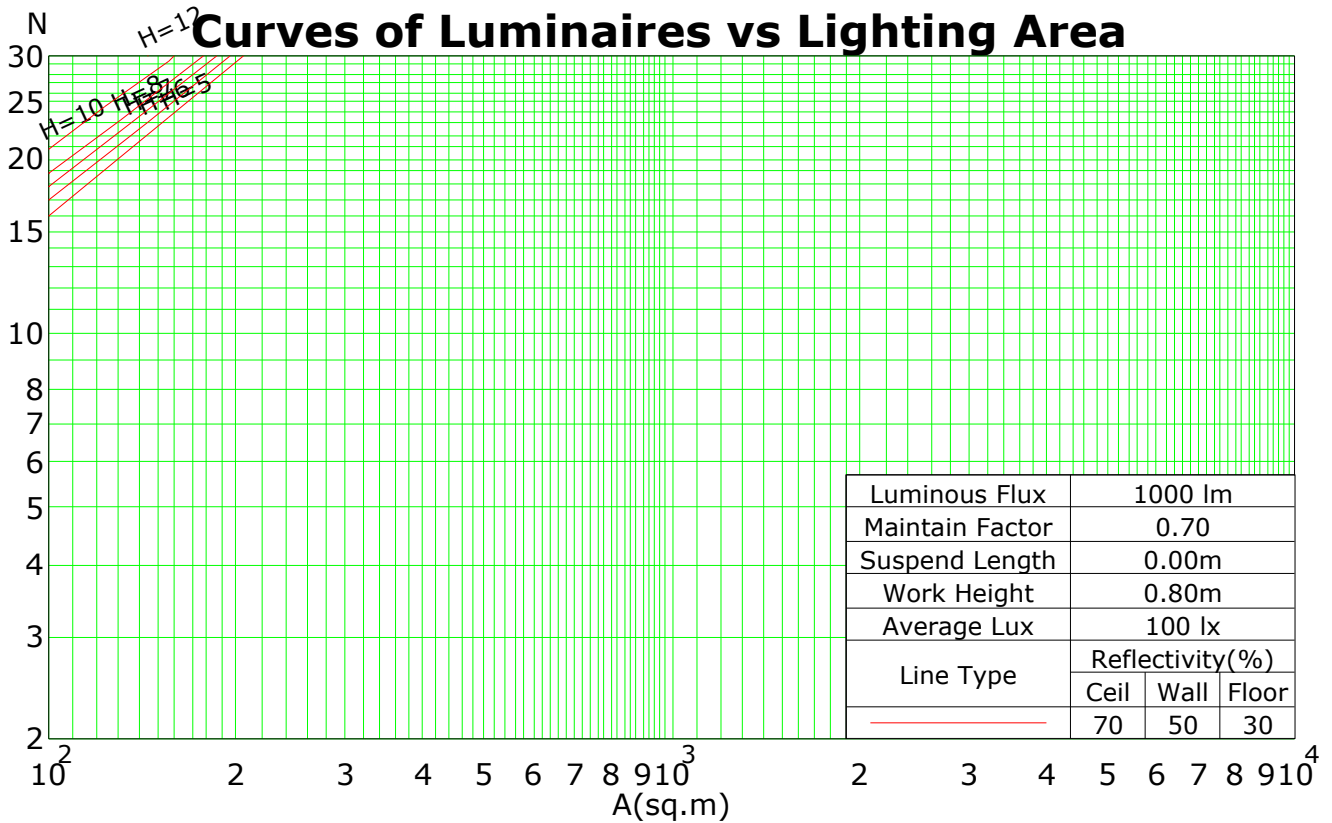
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Unit: cd

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	61	68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

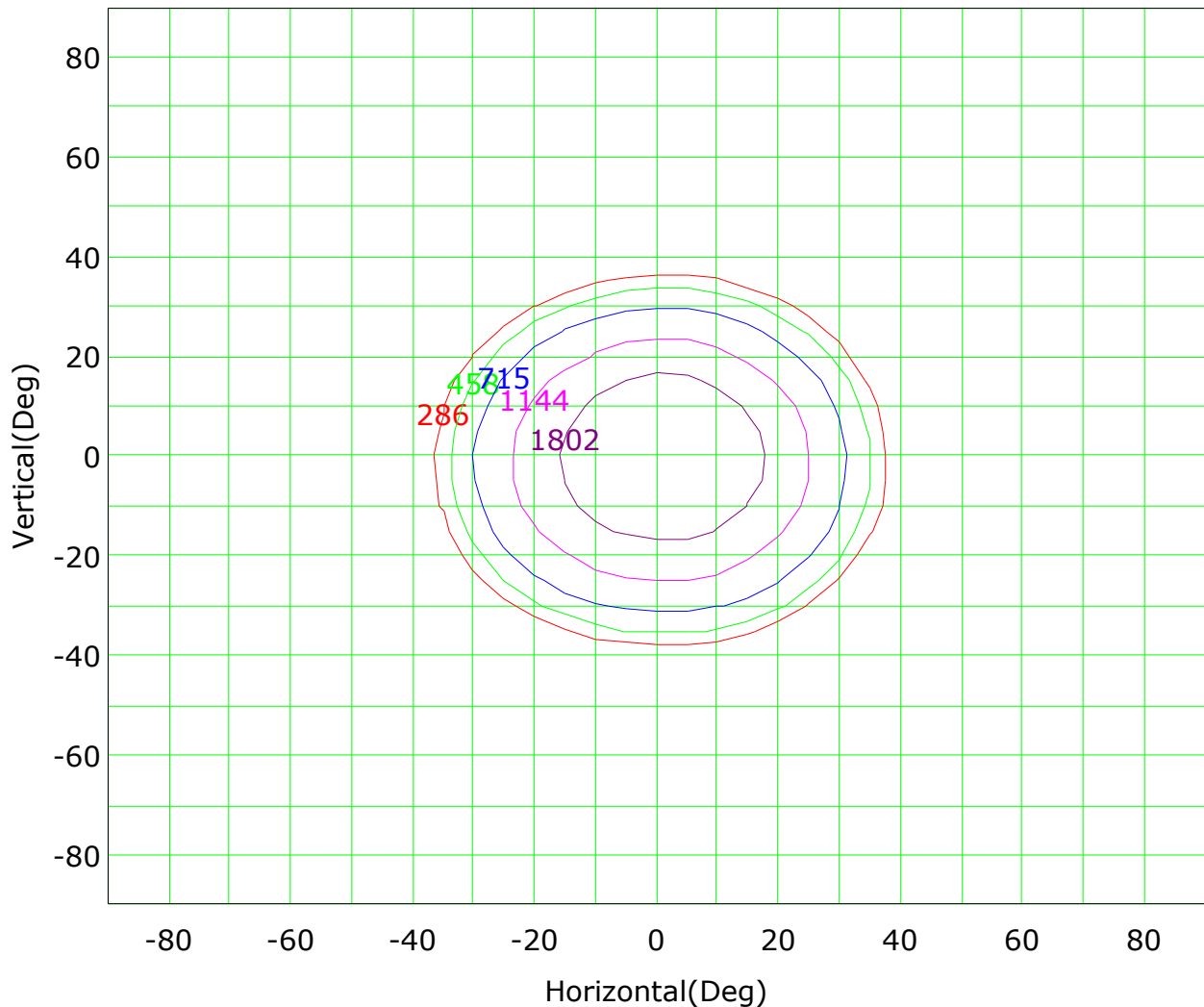
Spacing Criteria (0-180): 0.66
 Spacing Criteria (90-270): 0.66
 Spacing Criteria (Diagonal): 0.70



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Isocandela (rectangle)



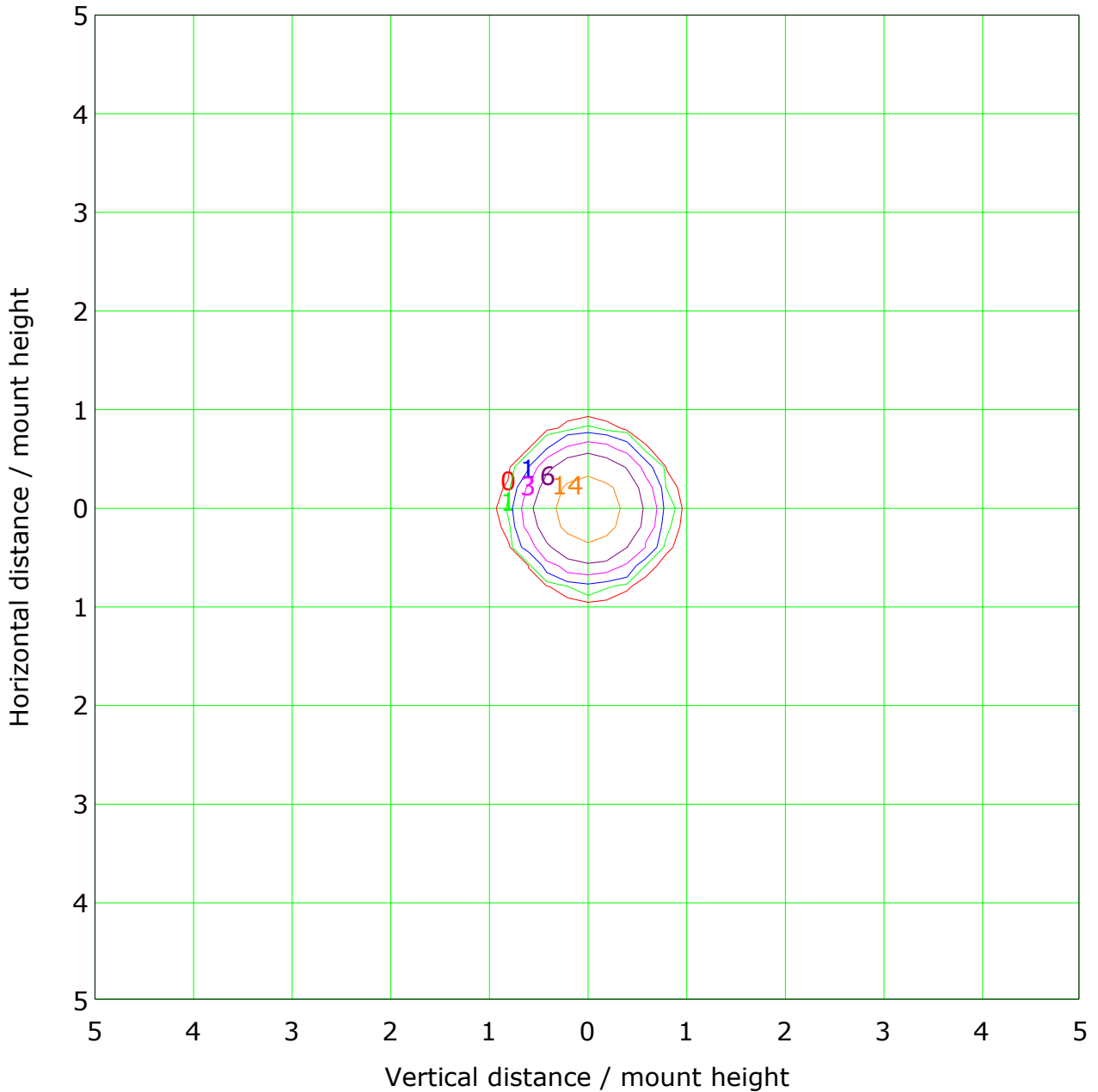
Imax (100%): 2861 cd

- | | |
|-------------------|-------------------|
| — (10%): 286 cd | — (16%): 458 cd |
| — (25%): 715 cd | — (40%): 1144 cd |
| — (63%): 1802 cd | — (100%): 2861 cd |

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 28.6 lx	
— (1%):	0.3 lx	— (2%):	0.6 lx
— (5%):	1.4 lx	— (10%):	2.9 lx
— (20%):	5.7 lx	— (50%):	14.3 lx
— (100%):	28.6 lx		

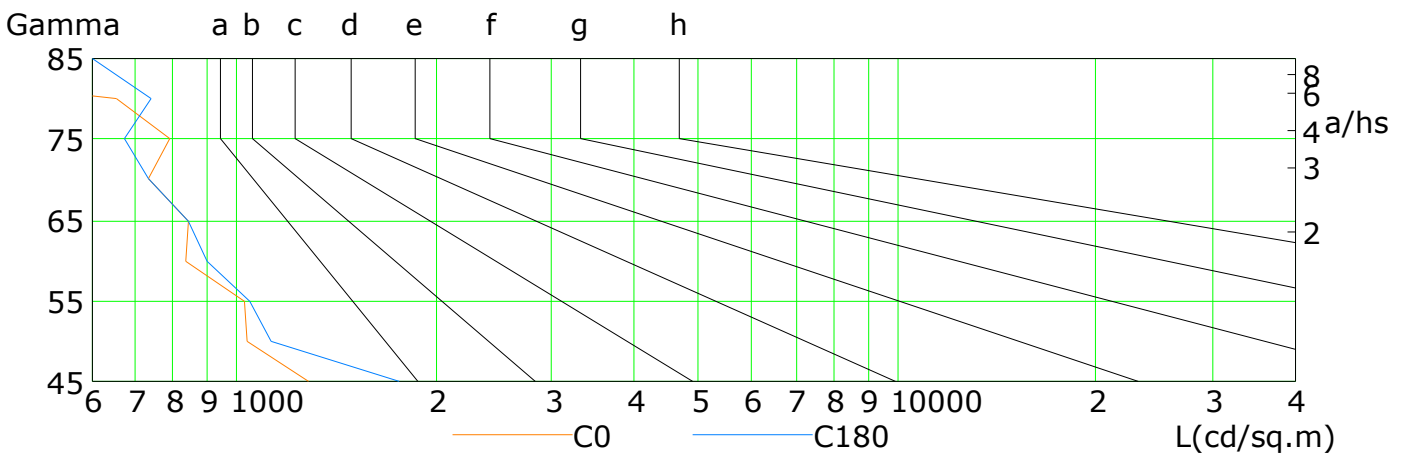
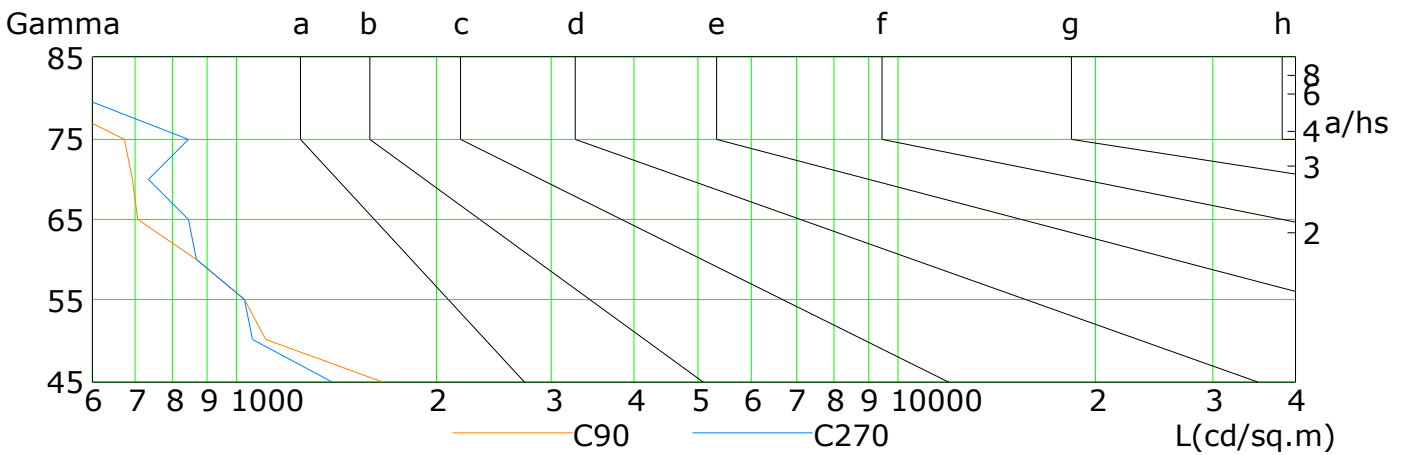
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Lum Limit Curve

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

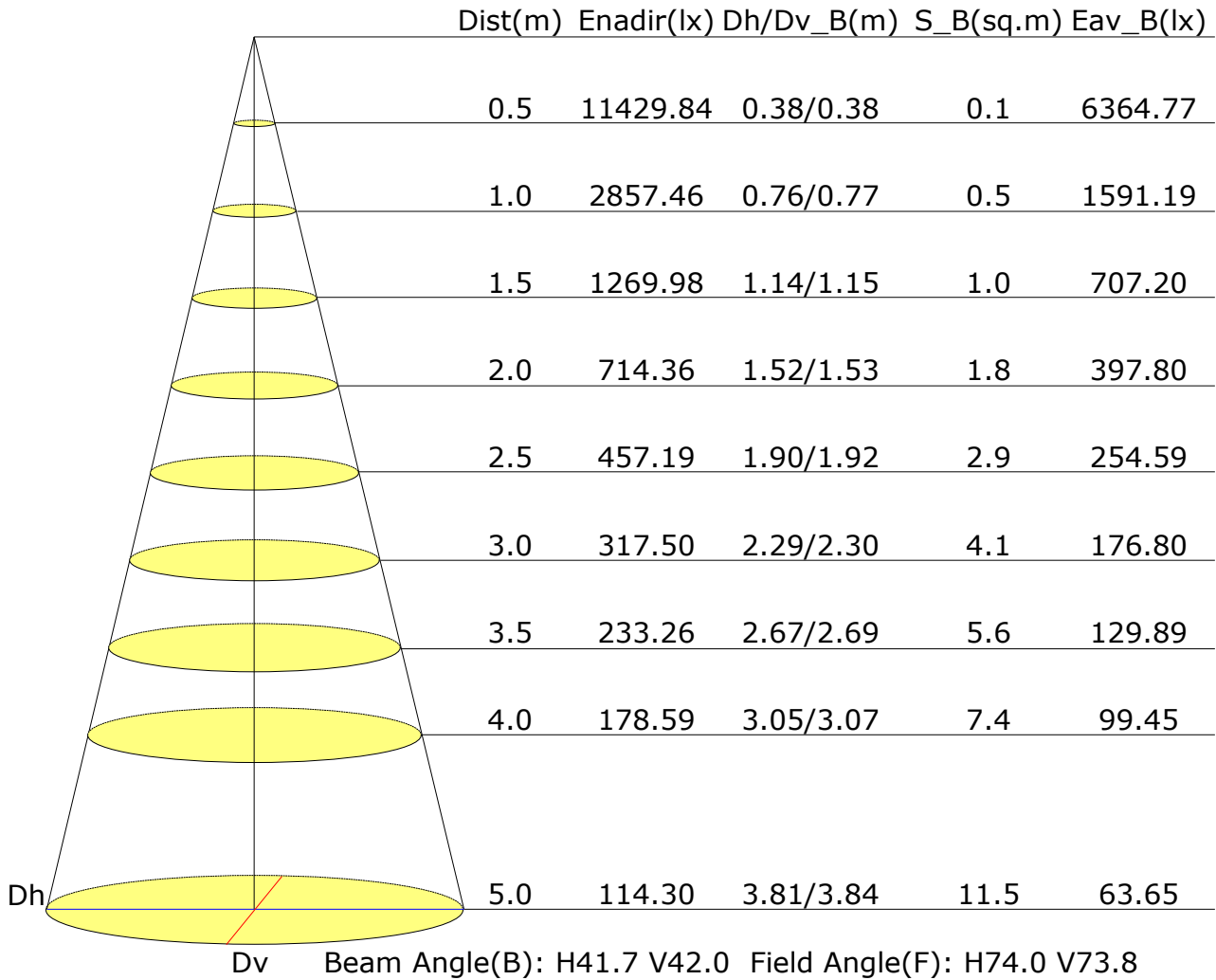


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1280	1030	1020	837	845	733	788	654	150
C90	1664	1101	1020	867	703	689	676	490	0
C180	1750	1124	1046	897	845	733	676	738	0
C270	1387	1054	1020	867	845	733	844	573	0

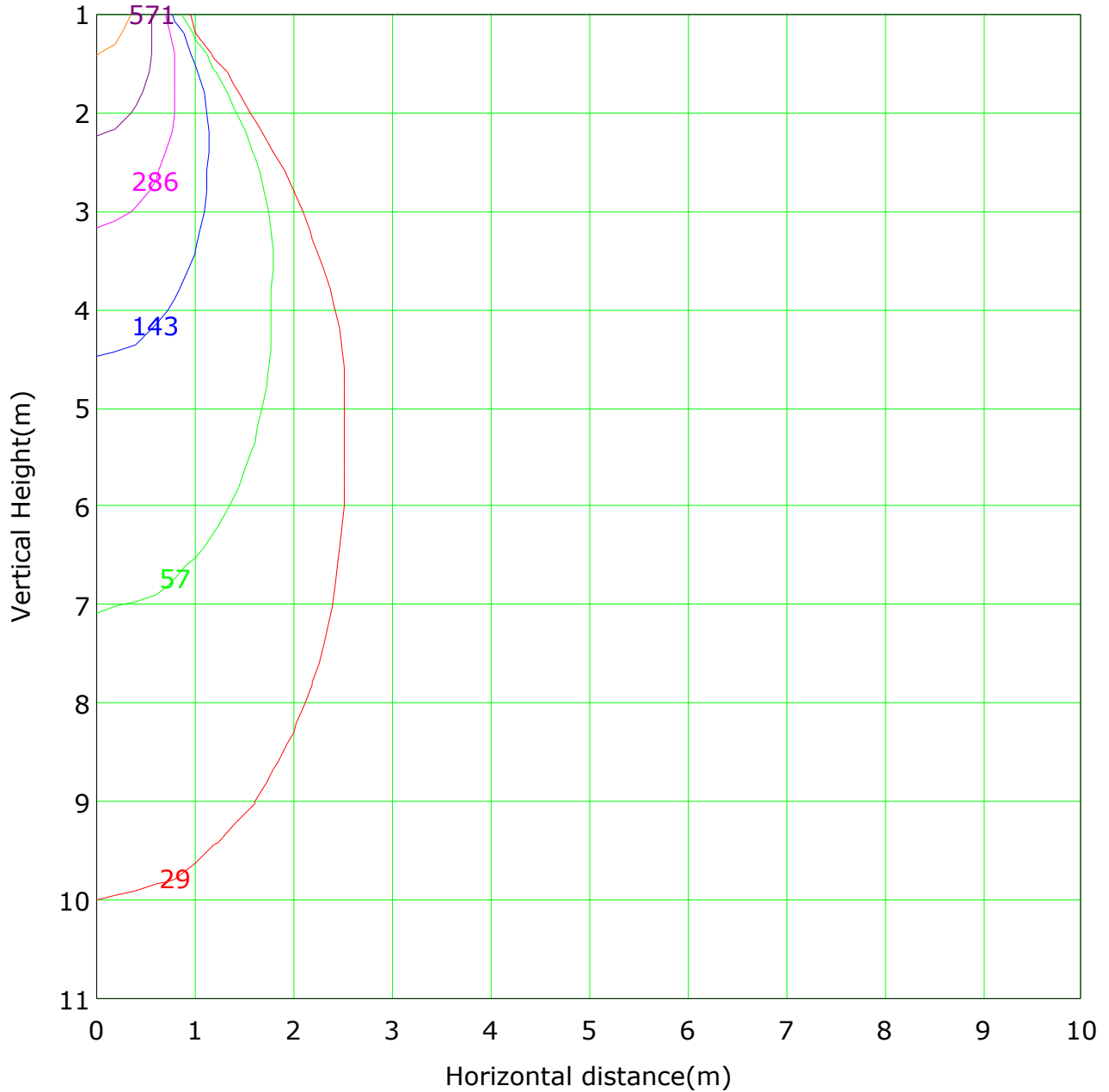
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2857.5 lx

— (1%): 28.6 lx	— (2%): 57.1 lx
— (5%): 142.9 lx	— (10%): 285.7 lx
— (20%): 571.5 lx	— (50%): 1428.7 lx
— (100%): 2857.5 lx	

The Average Illuminance Effective Figure

