

Report No.: 1

Test Time: 2017-01-05 15:40

Luminaire Property

Luminaire Category: 0120.W.U241.6
Luminaire Description: 60074
Length (mm): 106
Height (mm): 6
Current: 0.057 A
Power Factor: 0.974

Luminaire Manufacturer: Brasled
Width (mm): 106
Voltage: 230.2 V
Power: 12.75 W

Photometric Results

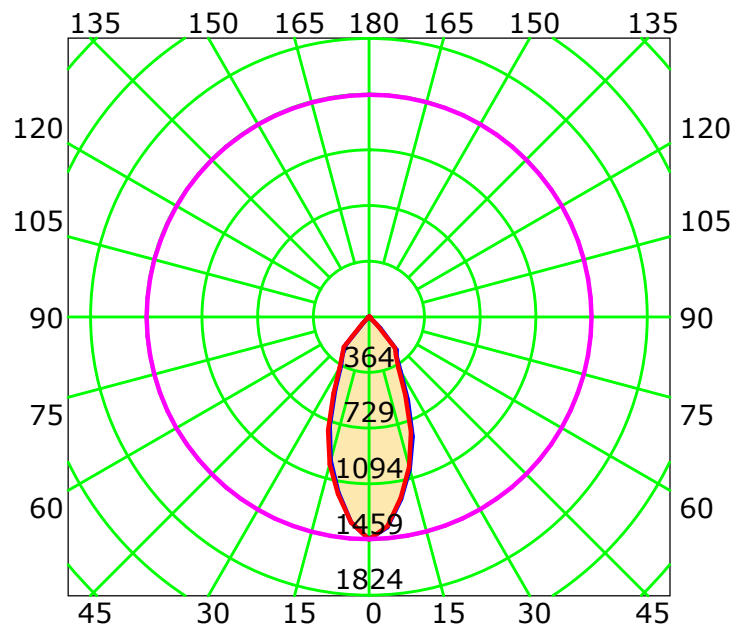
CIE Class: Direct
Measurement Flux: 965 lm
Downward Ratio: 100%
Field Angle: H86.3 V86.1
Luminaire Efficacy Rating (LER): 76
Max. Intensity: 1459.75 cd

Total Rated Lamp Lumens: 965.0 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H43.0 V42.9
Central Intensity: 1456.32 cd
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



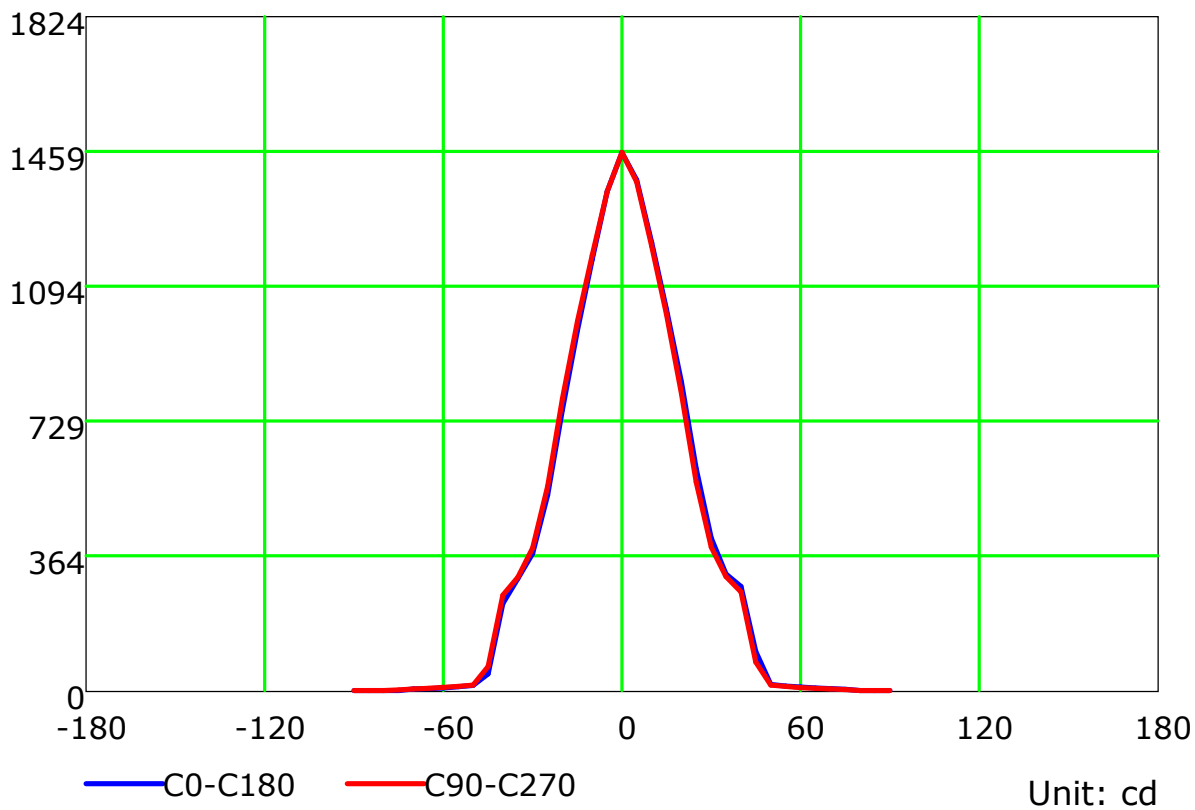
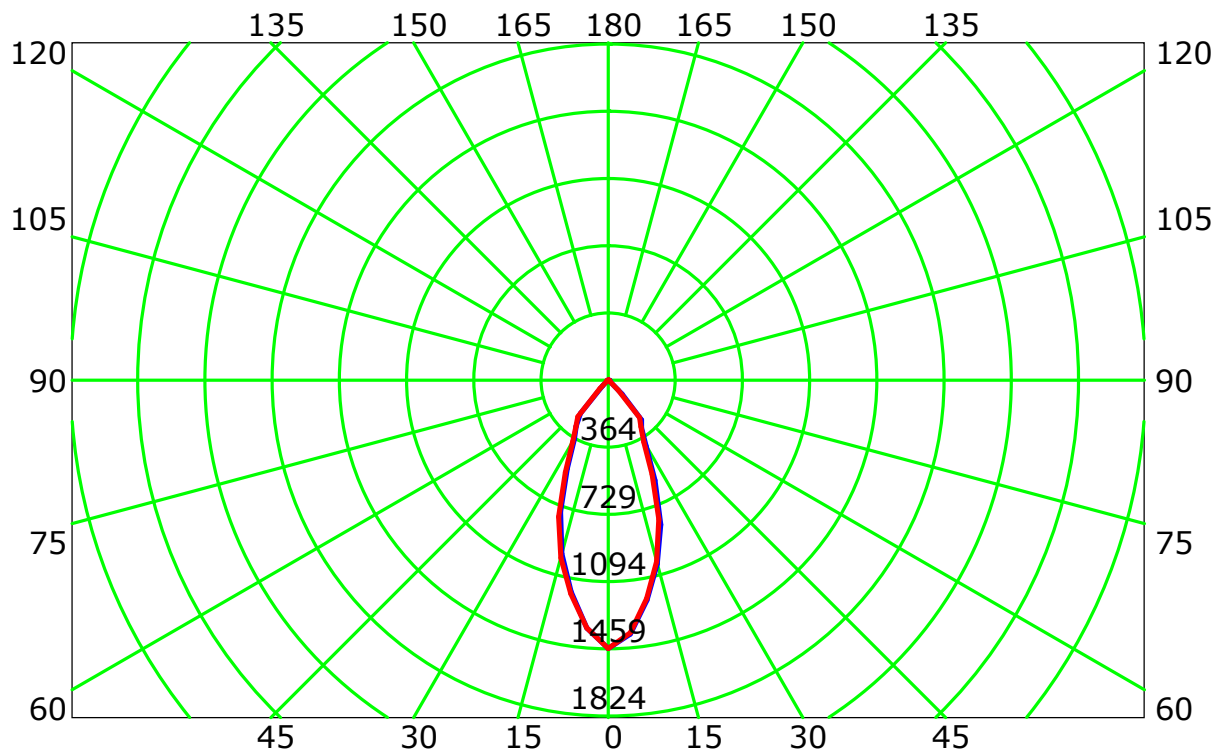
Average Diffuse Angle(50%): 42.9° Unit: cd

— 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



Unit: cd

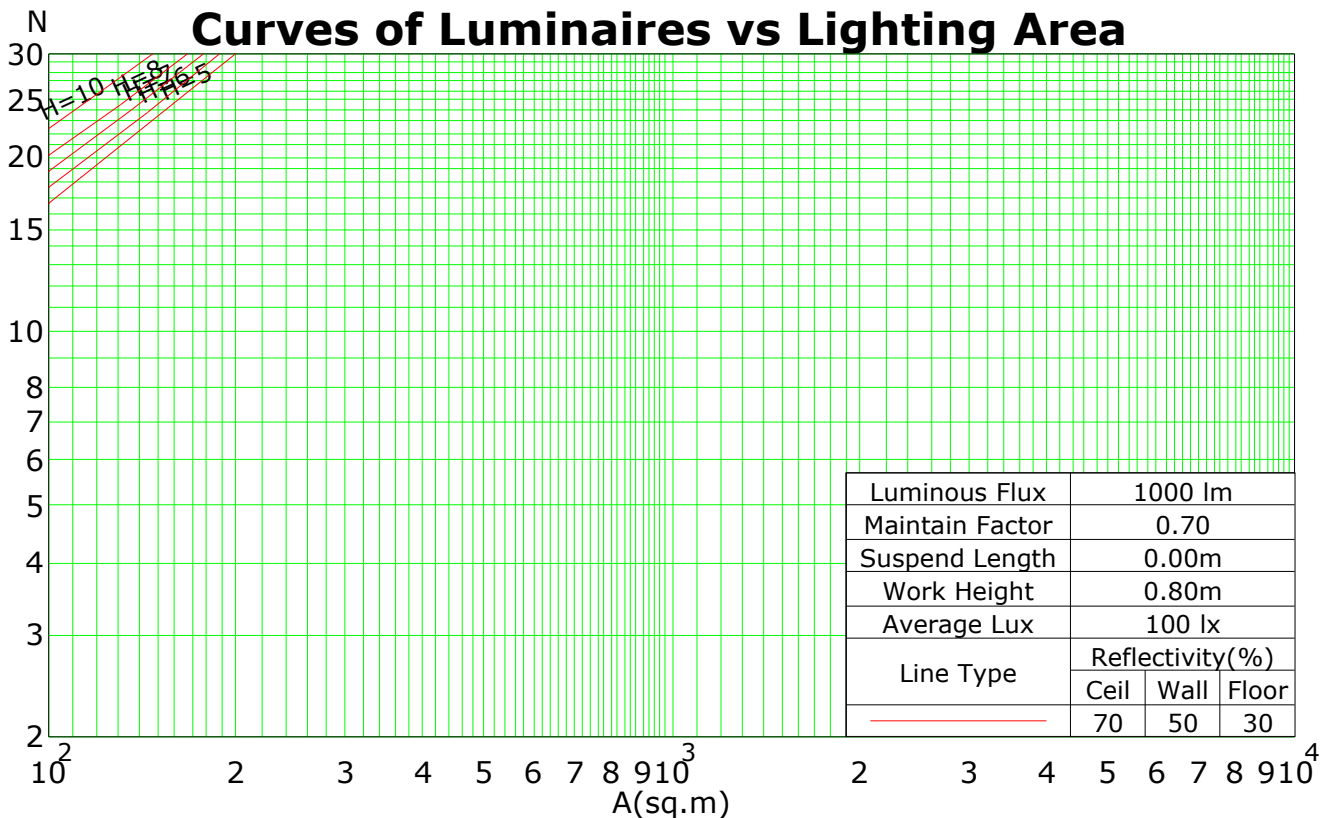
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Coefficients Of Utilization - Zonal Cavity Method

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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	84	80	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60	68	63	60	67	62	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

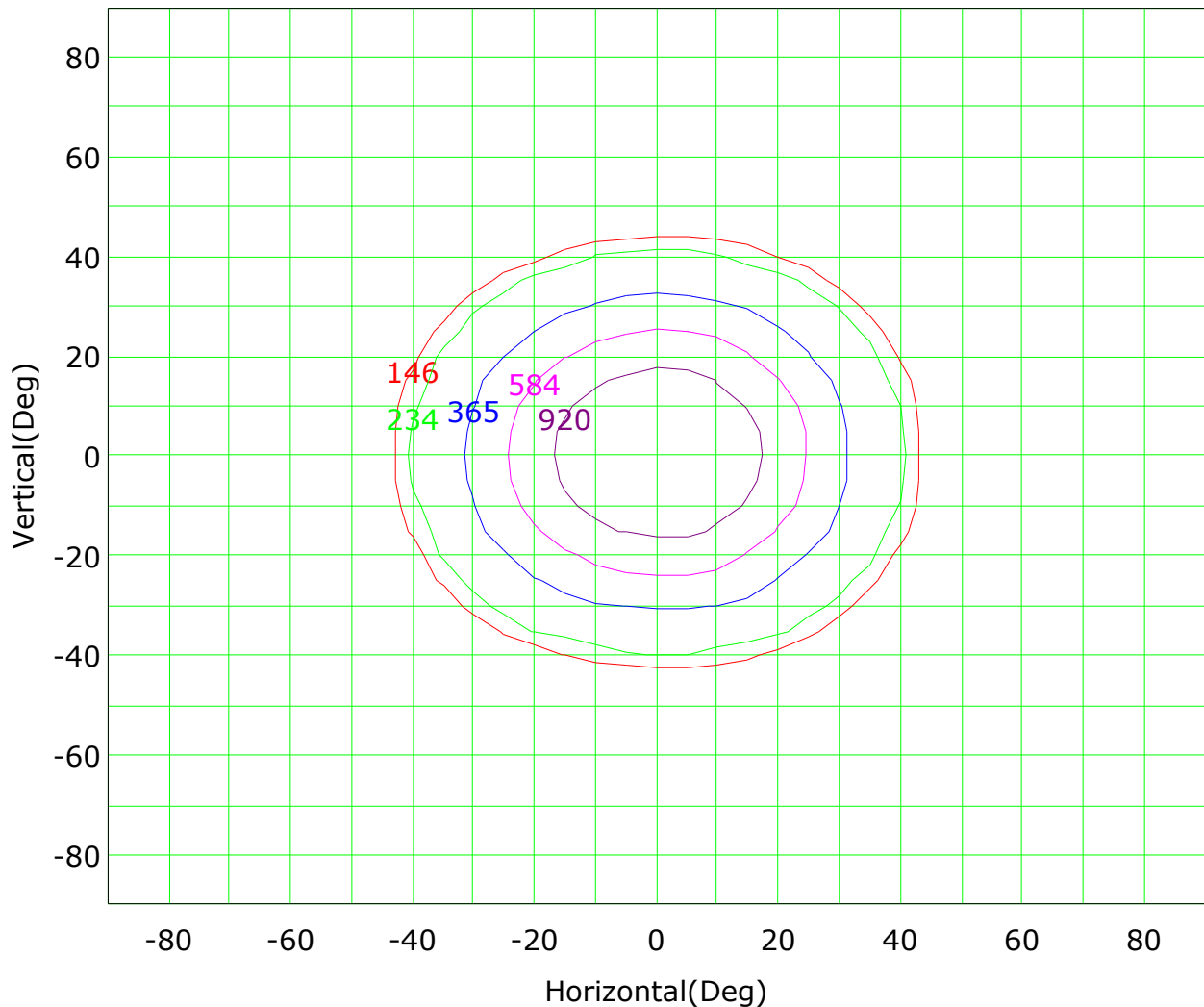
Spacing Criteria (0-180): 0.67
 Spacing Criteria (90-270): 0.67
 Spacing Criteria (Diagonal): 0.71



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Isocandela (rectangle)



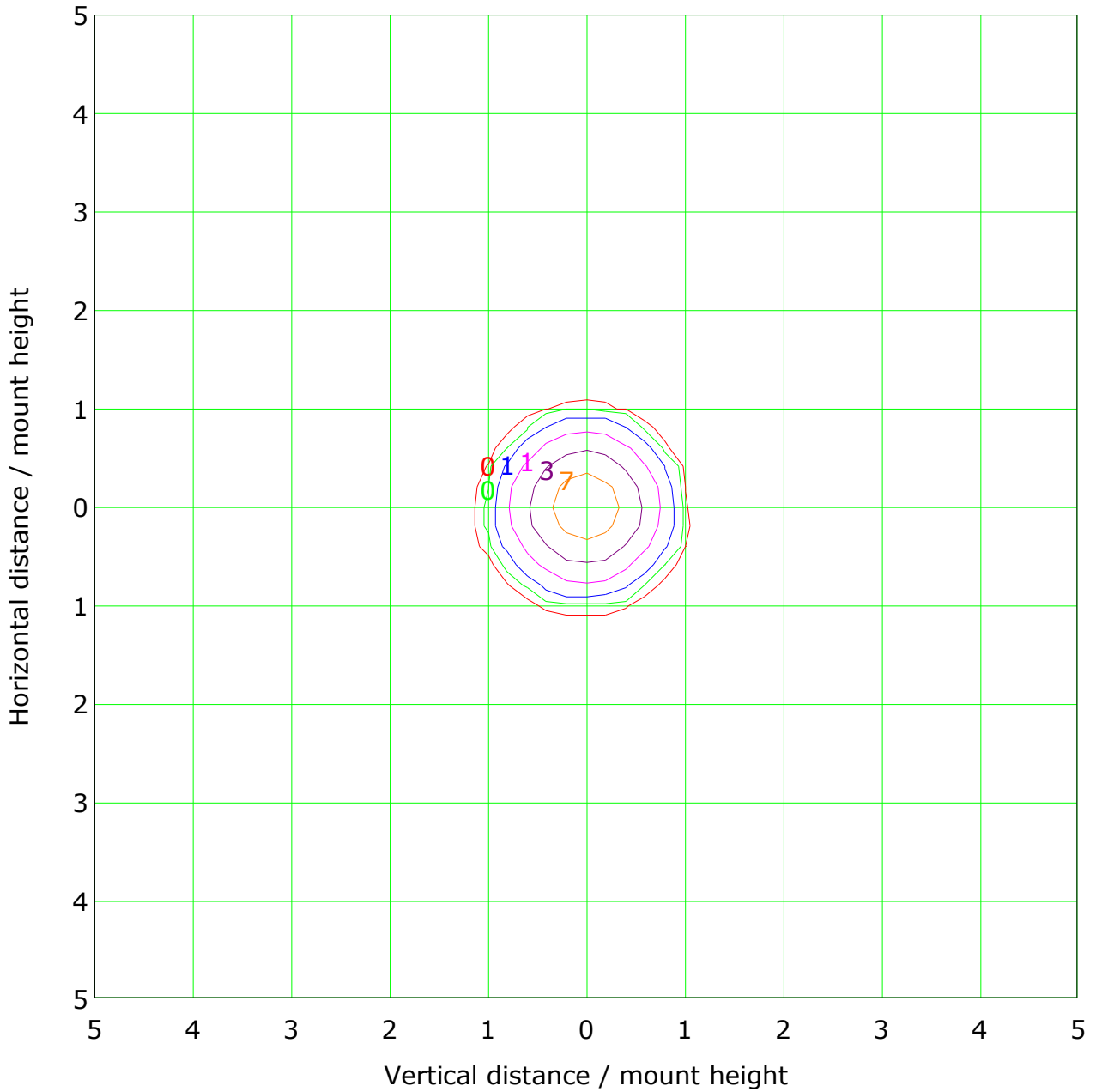
Imax (100%): 1460 cd

— (10%):	146 cd	— (16%):	234 cd
— (25%):	365 cd	— (40%):	584 cd
— (63%):	920 cd	— (100%):	1460 cd

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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 14.6 lx

— (1%): 0.1 lx	— (2%): 0.3 lx
— (5%): 0.7 lx	— (10%): 1.5 lx
— (20%): 2.9 lx	— (50%): 7.3 lx
— (100%): 14.6 lx	

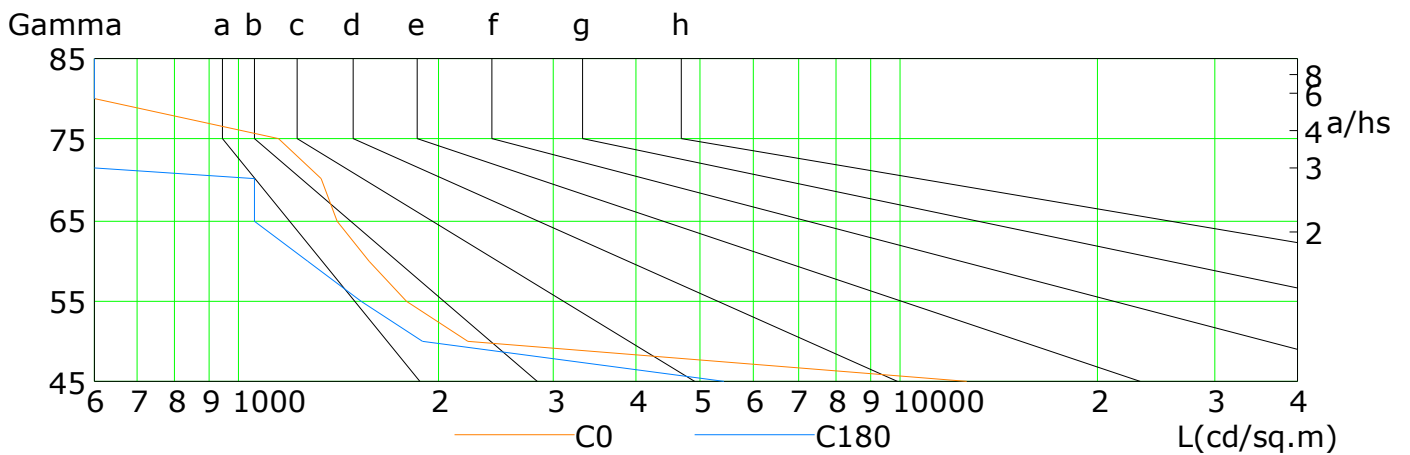
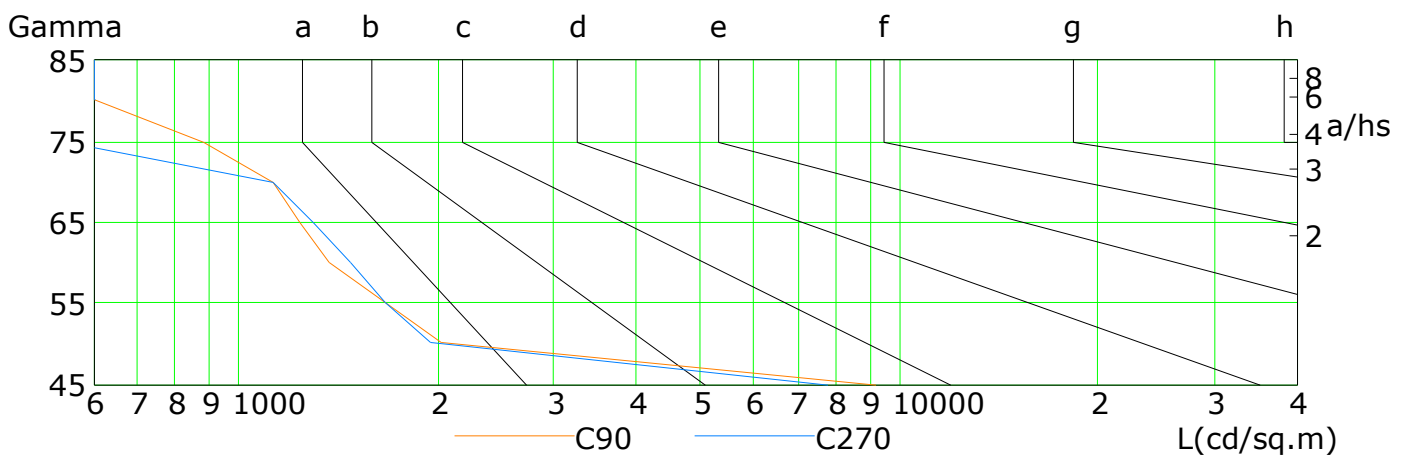
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Lum Limit Curve

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

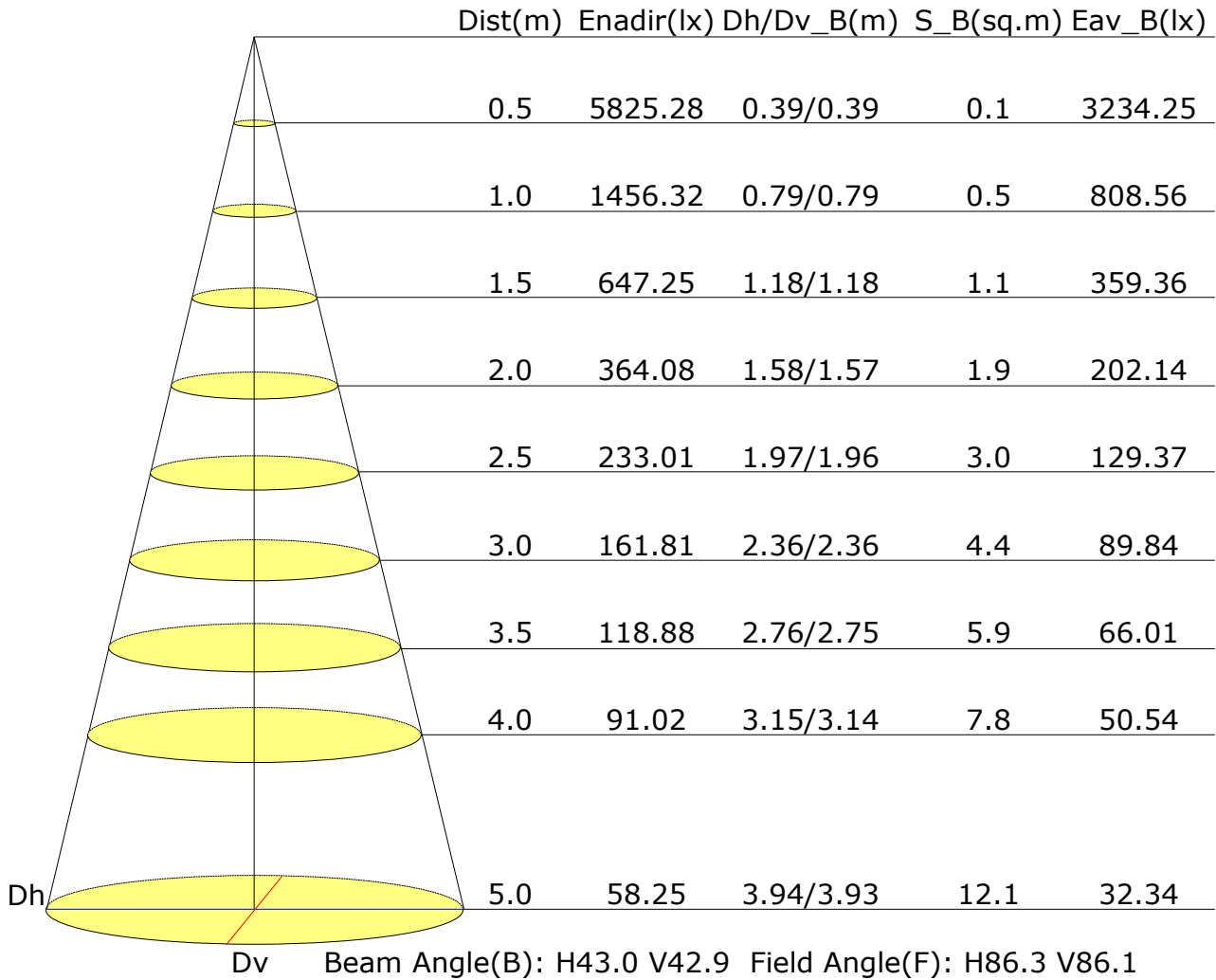


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	12625	2223	1790	1566	1405	1333	1150	0	0
C90	9246	2022	1655	1365	1230	1124	886	0	0
C180	5421	1900	1522	1263	1054	1054	176	0	0
C270	7798	1940	1655	1465	1288	1124	531	0	0

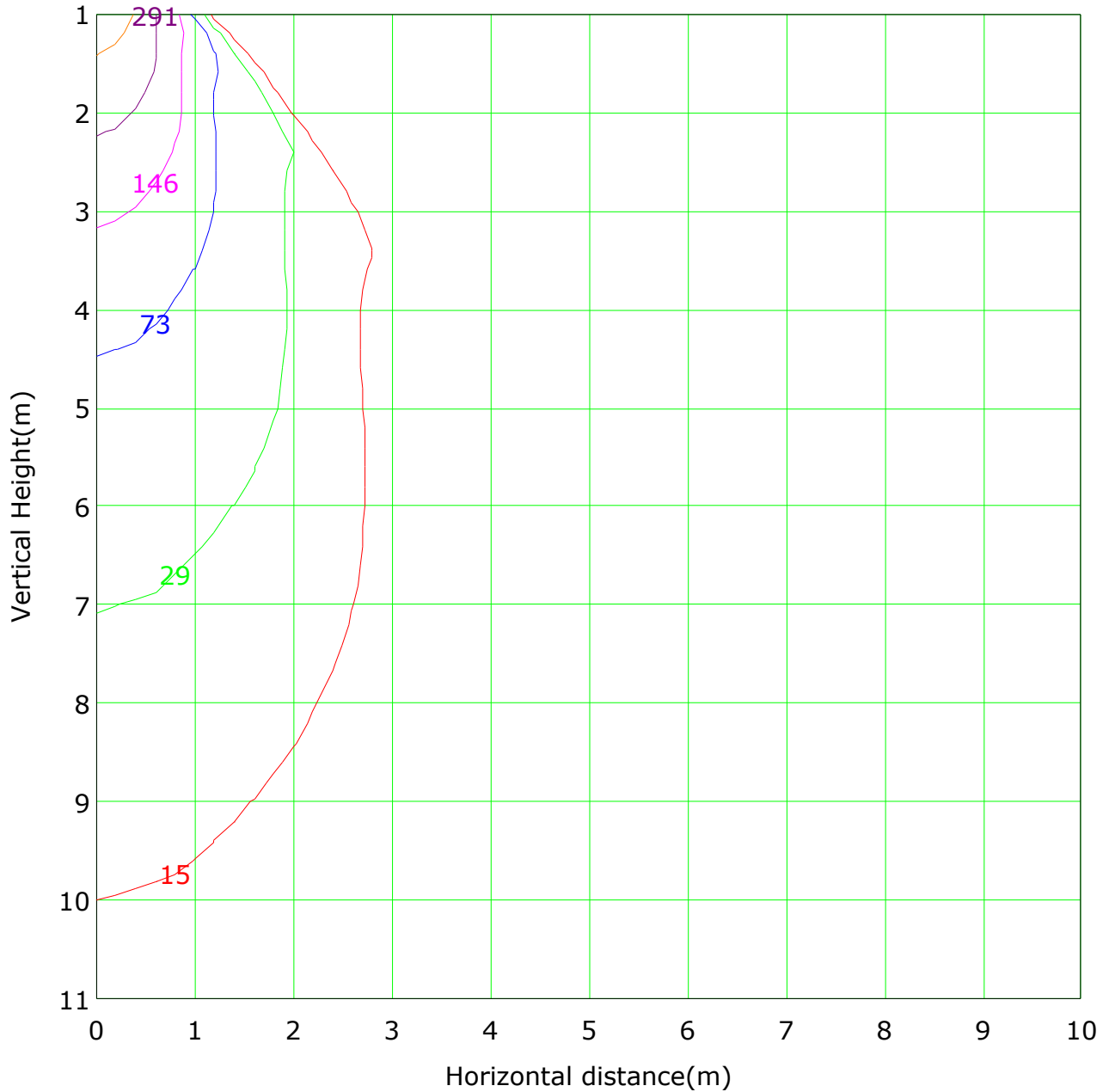
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1456.3 lx
 (1%): 14.6 lx (2%): 29.1 lx
 (5%): 72.8 lx (10%): 145.6 lx
 (20%): 291.3 lx (50%): 728.2 lx
 (100%):1456.3 lx

The Average Illuminance Effective Figure

