

Report No.: 1

Test Time: 2016-12-27 16:03

## Luminaire Property

Luminaire Category: 0111.W.H341.6  
Luminaire Description: 60018  
Length (mm): 118  
Height (mm): 3  
Current: 0.063 A  
Power Factor: 0.982

Luminaire Manufacturer: Brasled  
Width (mm): 118  
Voltage: 230.1 V  
Power: 14.16 W

## Photometric Results

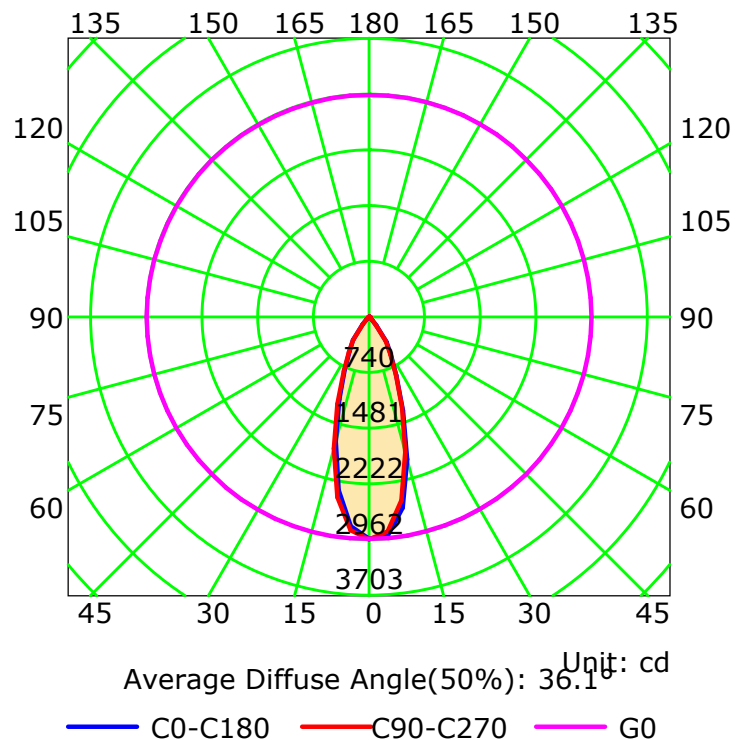
CIE Class: Direct  
Measurement Flux: 1472.2 lm  
Downward Ratio: 100%  
Field Angle: H74.0 V73.5  
Luminaire Efficacy Rating (LER): 104  
Max. Intensity: 2962.92 cd

Total Rated Lamp Lumens: 1472.2 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H36.0 V36.2  
Central Intensity: 2952.97 cd  
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



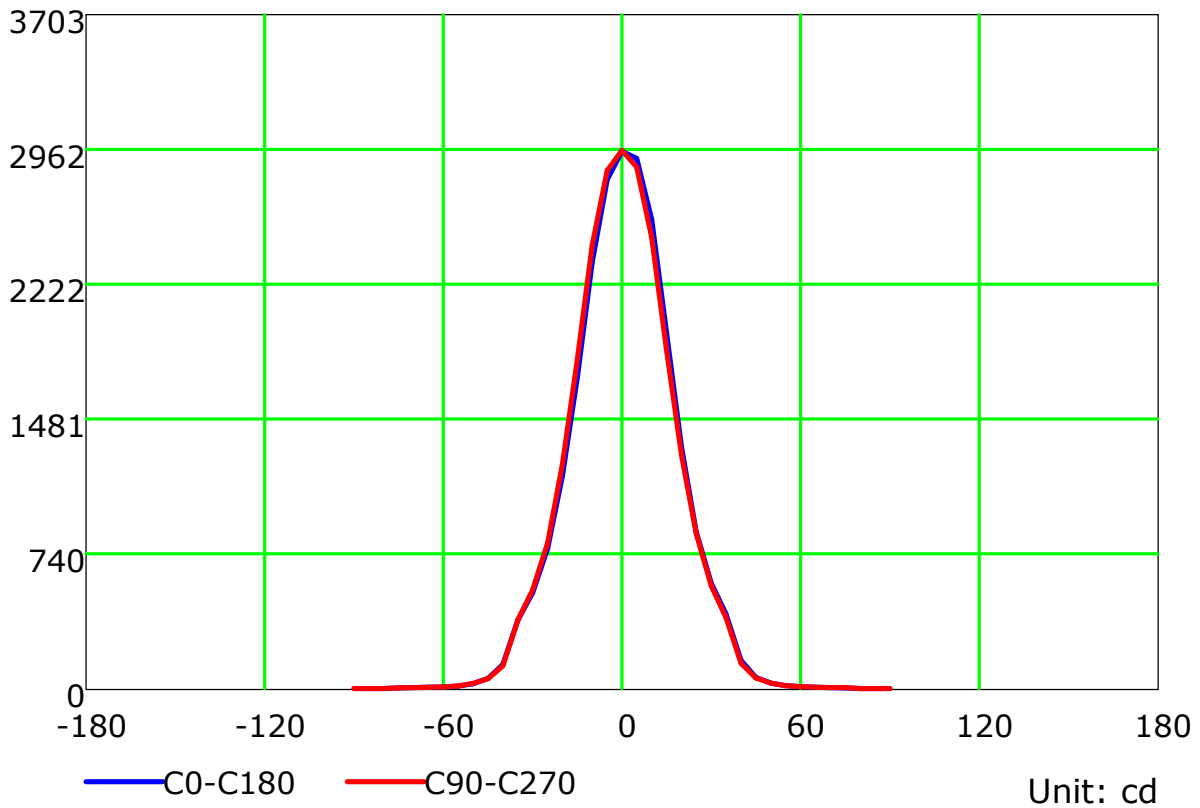
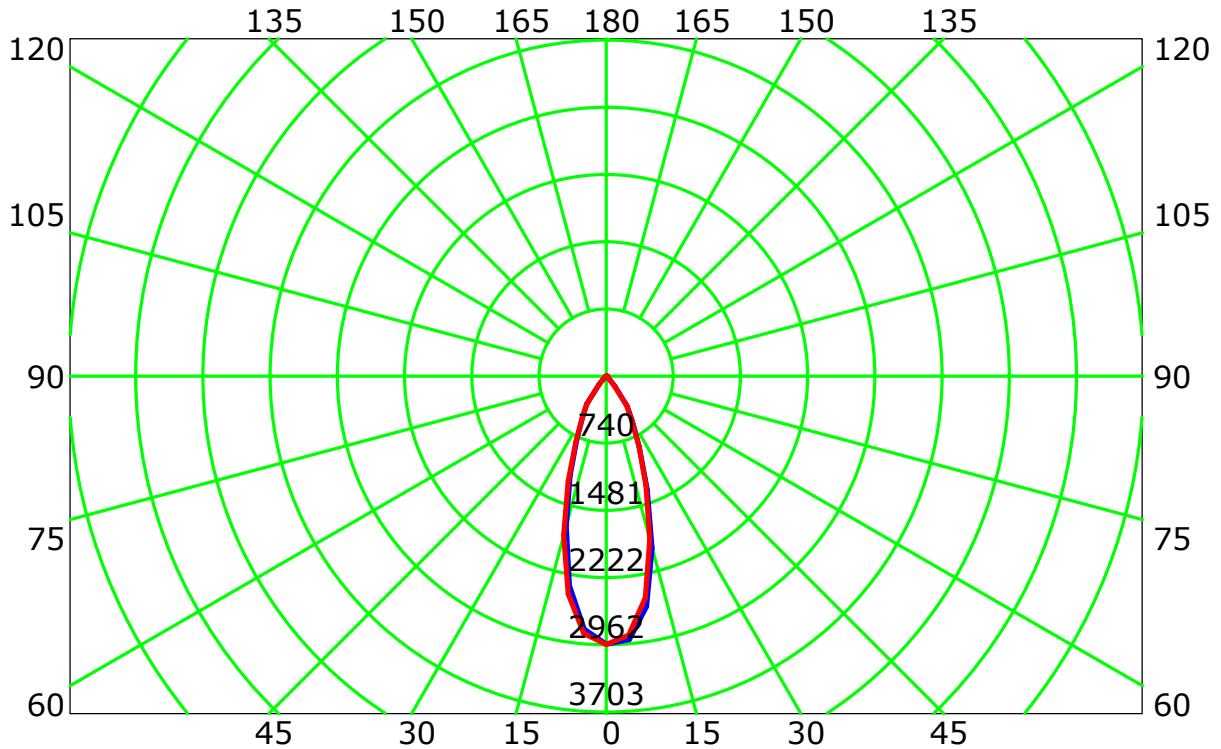
Luminous Intensity Distribution Curve



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



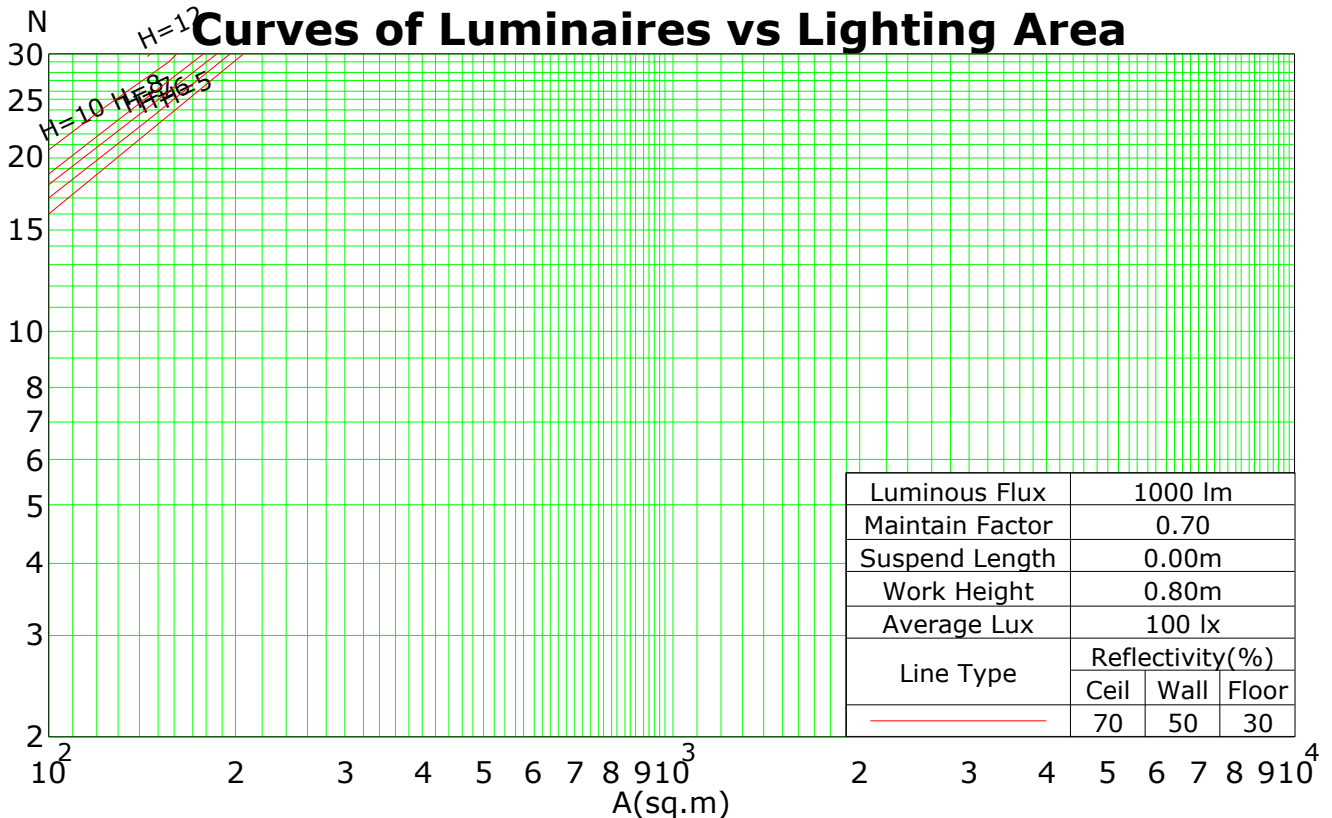
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## Coefficients Of Utilization - Zonal Cavity Method

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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	93	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	79	77	82	79	76	75
6	91	83	77	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	72	68	65	64
9	80	72	66	63	79	71	66	62	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

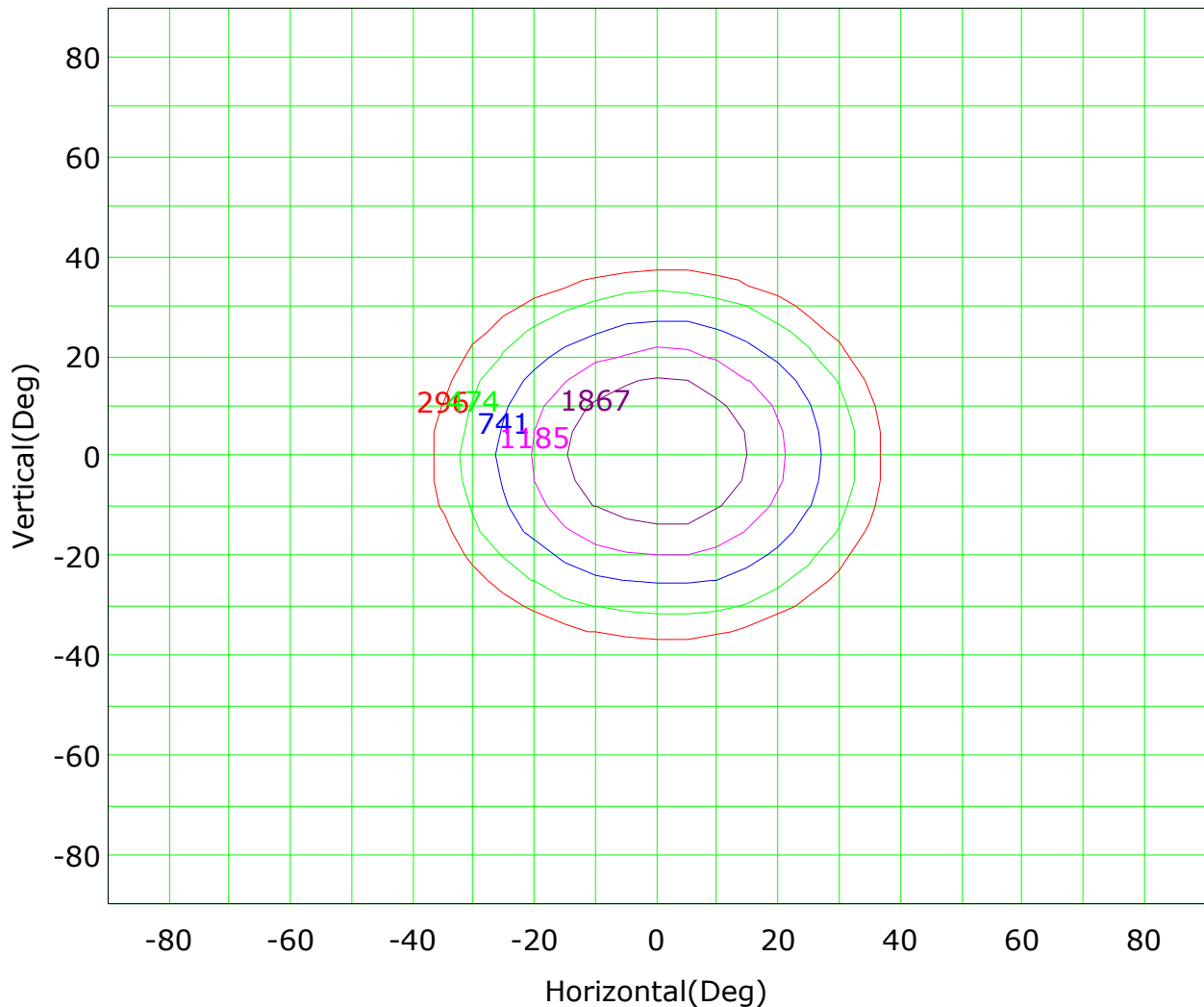
Spacing Criteria (0-180): 0.59  
 Spacing Criteria (90-270): 0.59  
 Spacing Criteria (Diagonal): 0.61



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## Isocandela (rectangle)



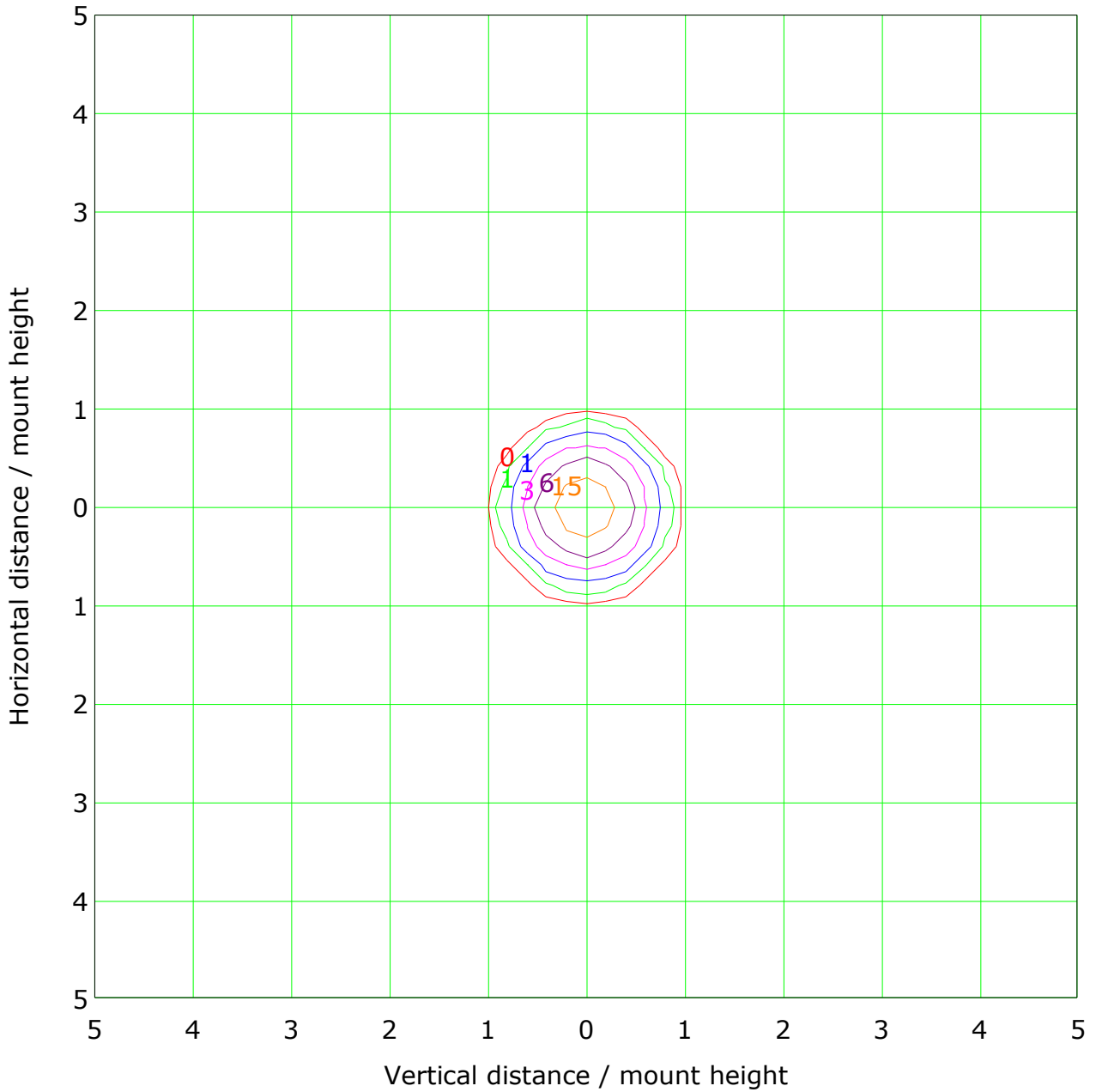
Imax (100%): 2963 cd

— ( 10%): 296 cd	— ( 16%): 474 cd
— ( 25%): 741 cd	— ( 40%): 1185 cd
— ( 63%): 1867 cd	— (100%): 2963 cd

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## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 29.6 lx	
— ( 1%):	0.3 lx	— ( 2%):	0.6 lx
— ( 5%):	1.5 lx	— ( 10%):	3.0 lx
— ( 20%):	5.9 lx	— ( 50%):	14.8 lx
— (100%):	29.6 lx		

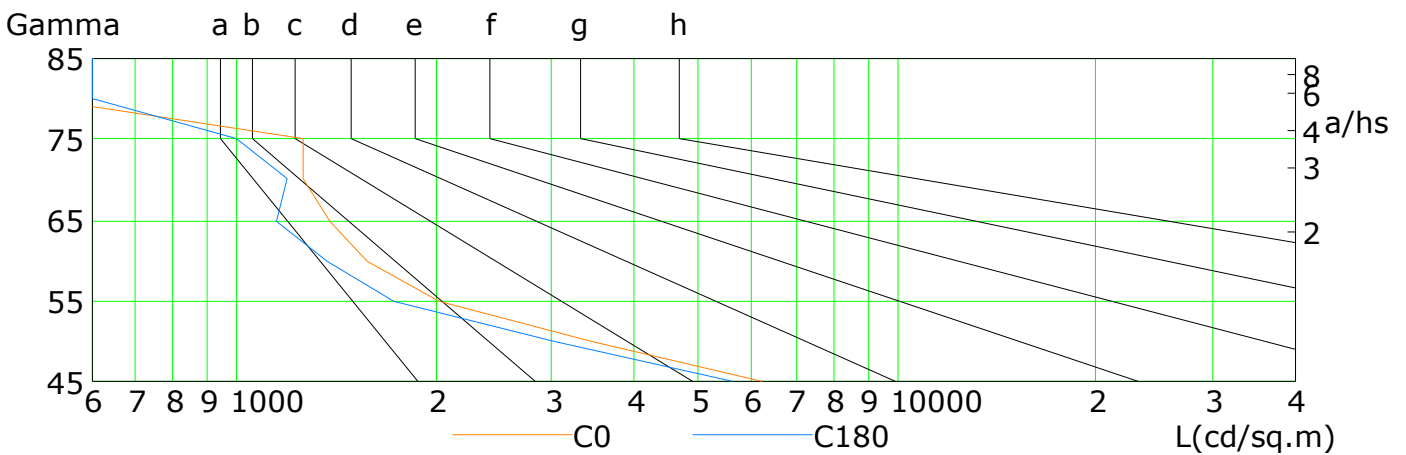
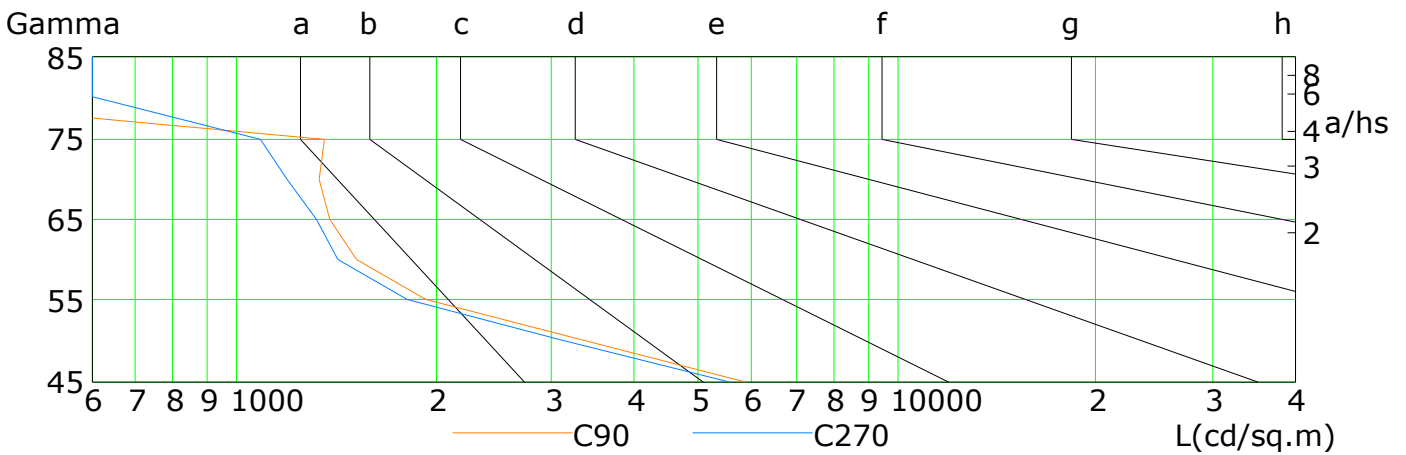
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## Lum Limit Curve

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

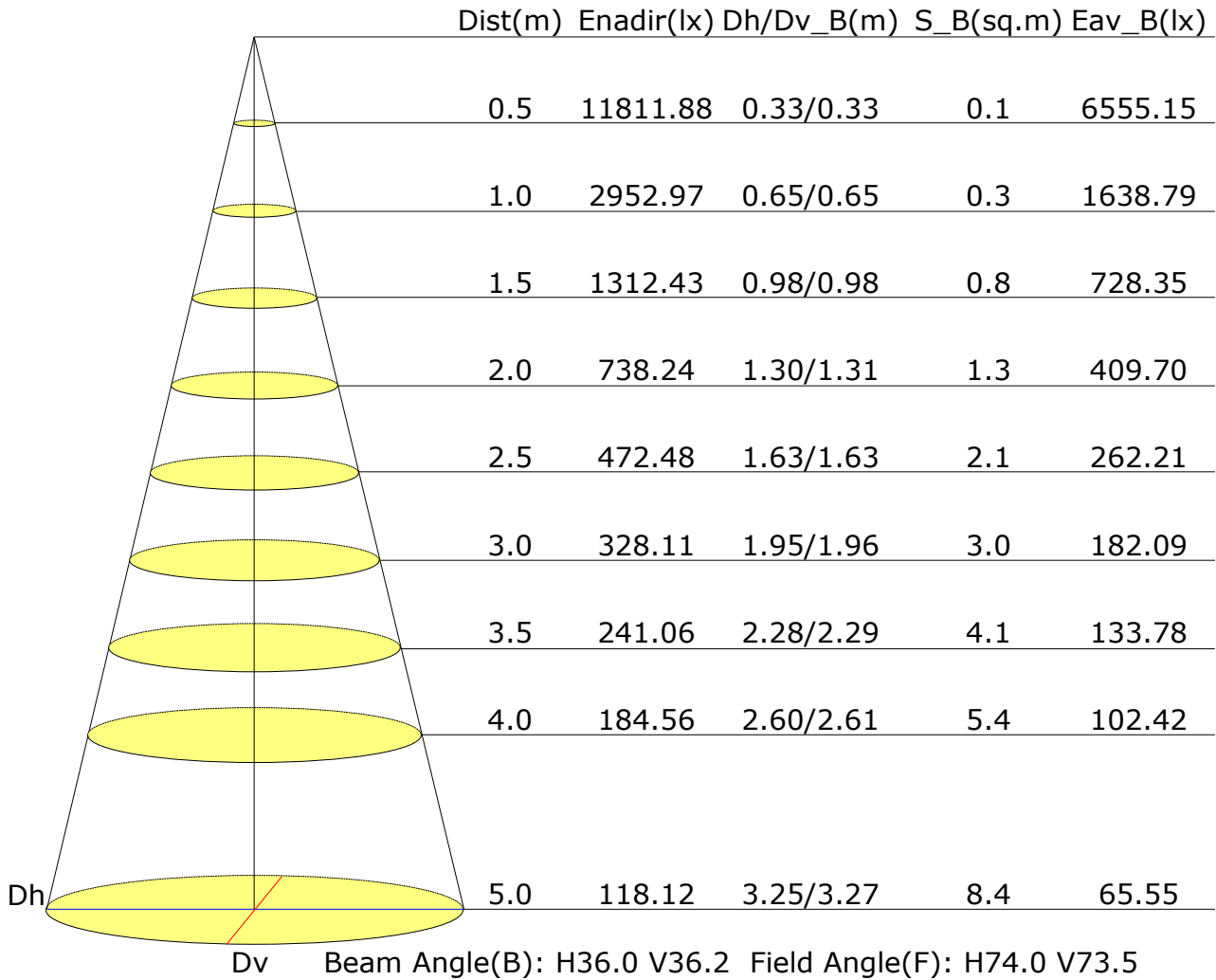


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6233	3431	2019	1566	1375	1256	1262	513	0
C90	5881	3315	1933	1516	1375	1325	1351	257	0
C180	5634	3007	1718	1369	1146	1185	991	0	0
C270	5564	3084	1804	1418	1318	1185	1082	0	0

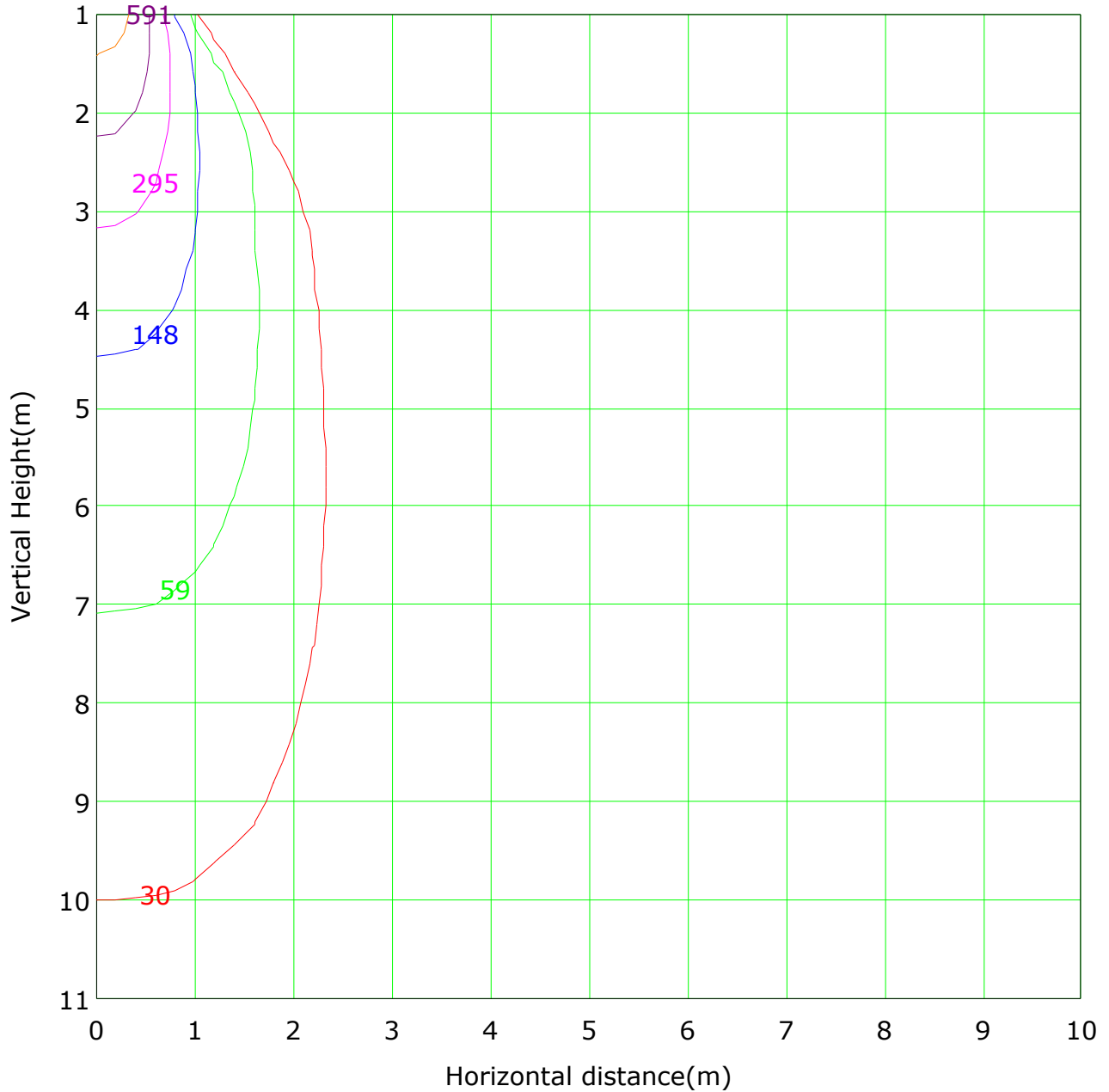
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## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 2953.0 lx

— ( 1%): 29.5 lx	— ( 2%): 59.1 lx
— ( 5%): 147.6 lx	— ( 10%): 295.3 lx
— ( 20%): 590.6 lx	— ( 50%): 1476.5 lx
— (100%): 2953.0 lx	



## The Average Illuminance Effective Figure

