

Report No.: 1

Test Time: 2016-12-27 11:57

## Luminaire Property

Luminaire Category: 0108.W.H341.6  
Luminaire Description: 60021  
Length (mm): 115  
Height (mm): 3  
Current: 0.096 A  
Power Factor: 0.959

Luminaire Manufacturer: Brasled  
Width (mm): 115  
Voltage: 230.2 V  
Power: 21.27 W

## Photometric Results

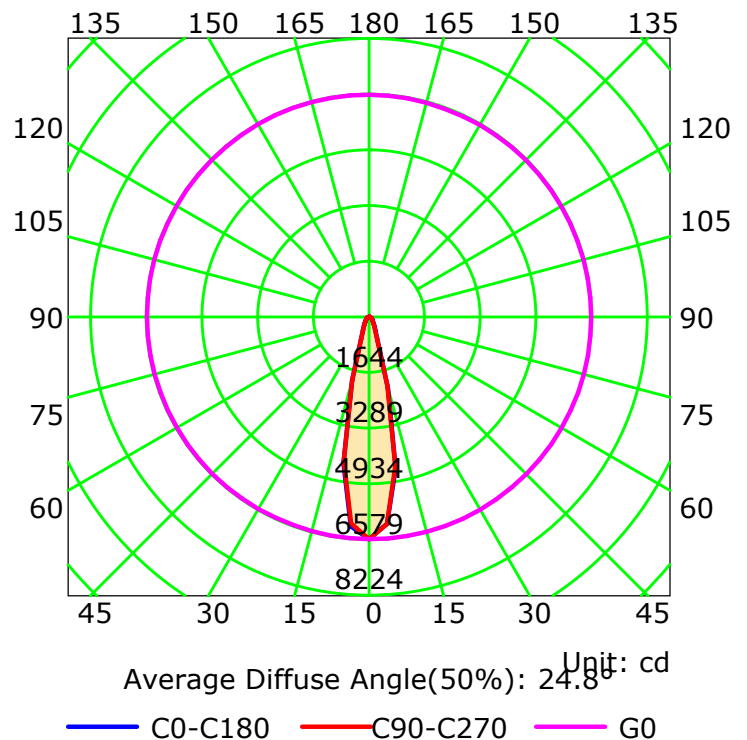
CIE Class: Direct  
Measurement Flux: 1823.5 lm  
Downward Ratio: 100%  
Field Angle: H42.6 V42.3  
Luminaire Efficacy Rating (LER): 86  
Max. Intensity: 6579.73 cd

Total Rated Lamp Lumens: 1823.5 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H25.0 V24.7  
Central Intensity: 6569.43 cd  
Pos of Max. Intensity: H22.5 V0

Picture Of Luminaire



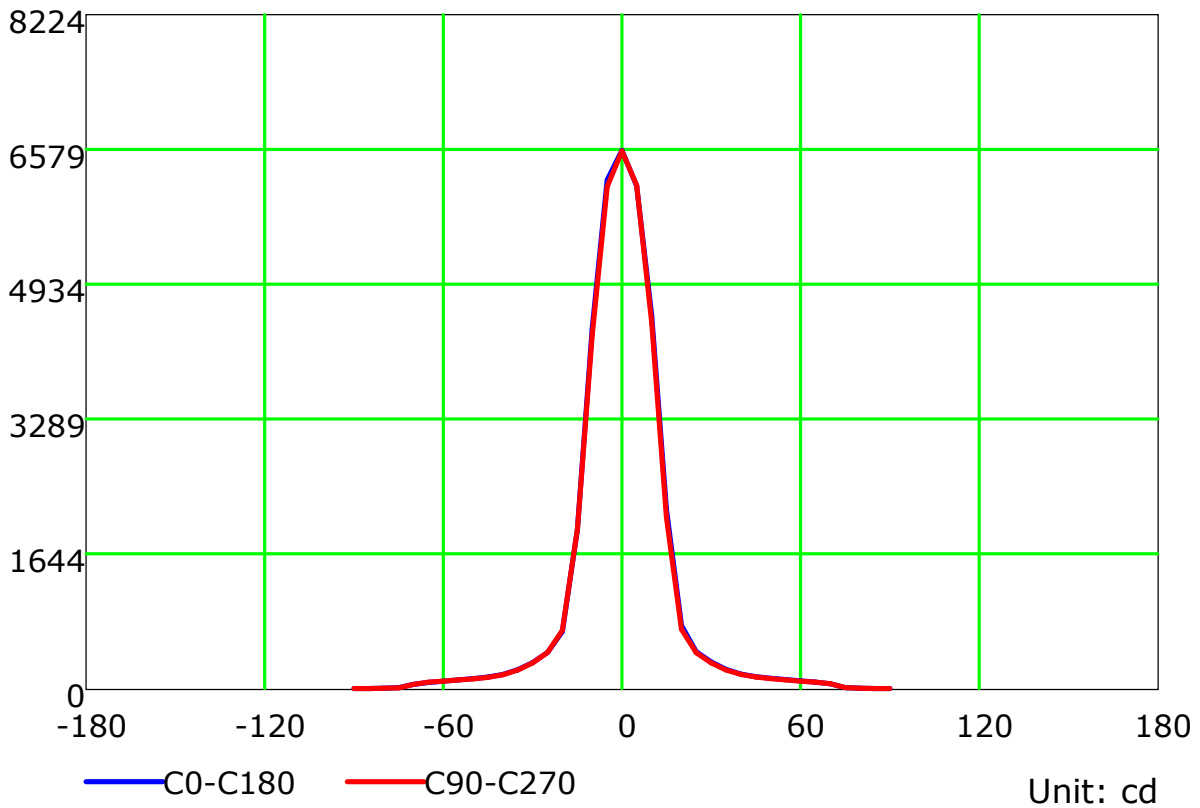
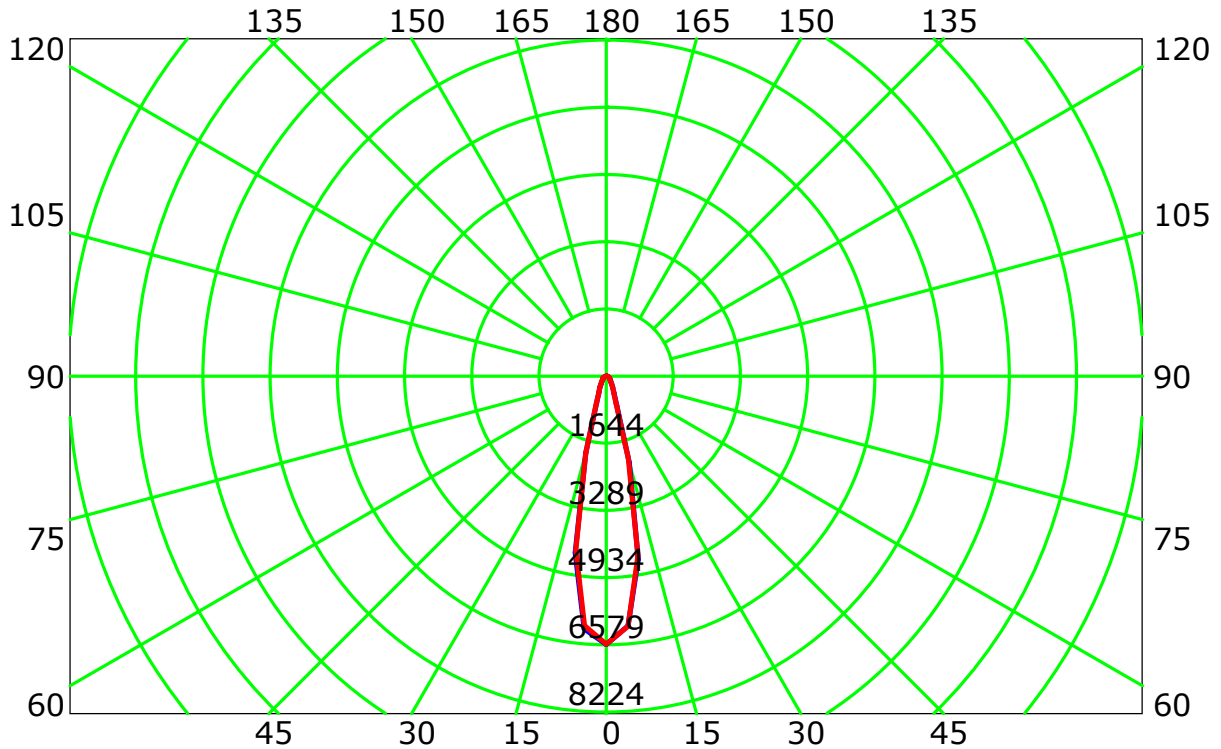
Luminous Intensity Distribution Curve



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



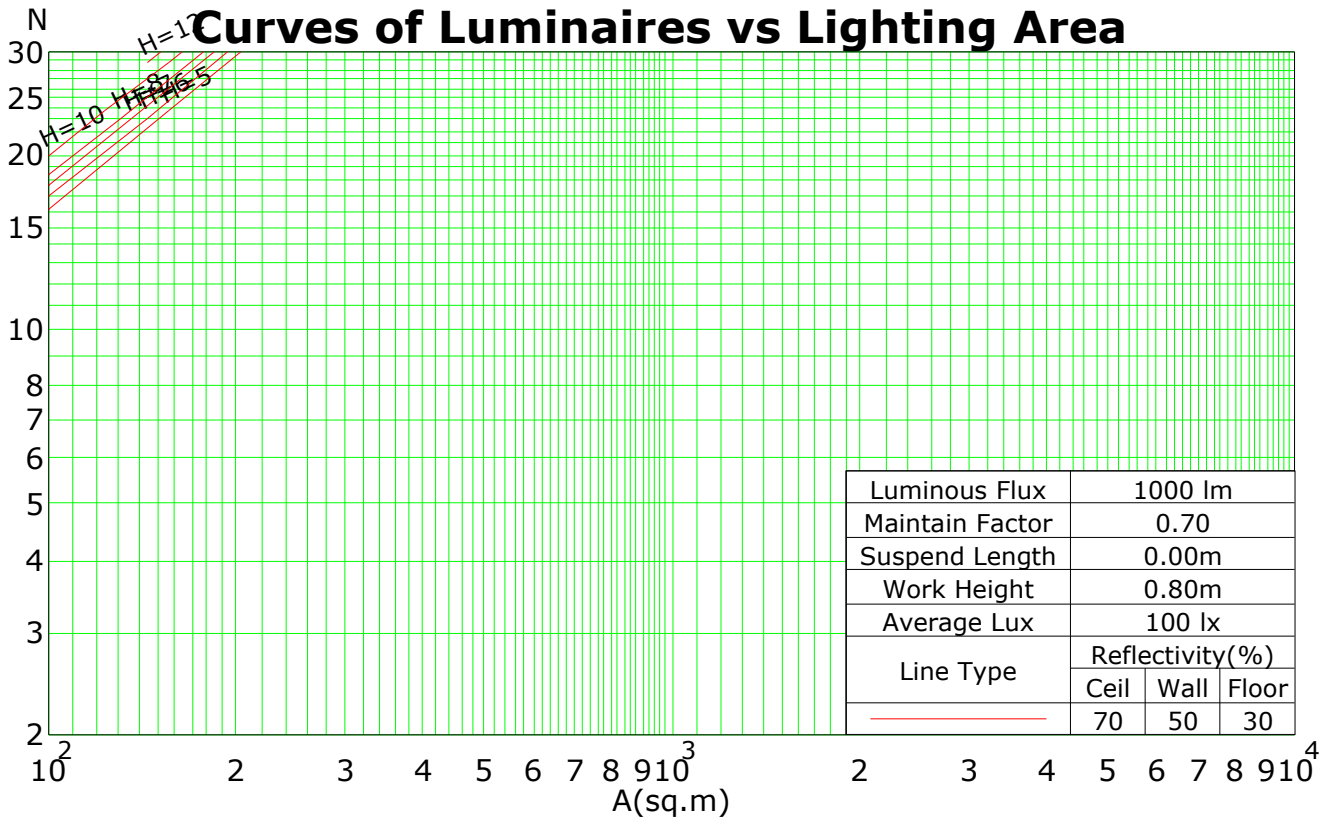
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## Coefficients Of Utilization - Zonal Cavity Method

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	67
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

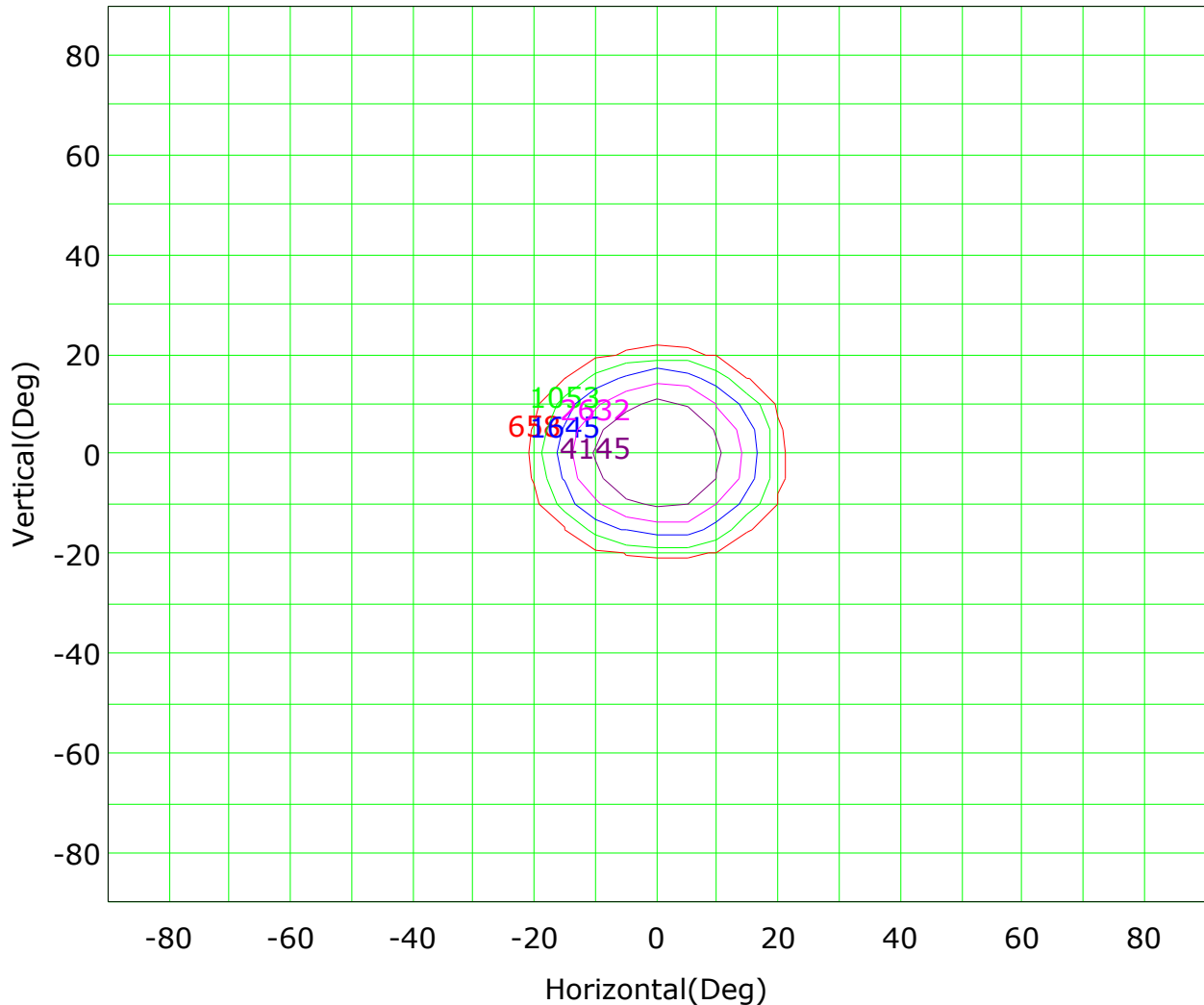
Spacing Criteria (0-180): 0.43  
 Spacing Criteria (90-270): 0.42  
 Spacing Criteria (Diagonal): 0.40



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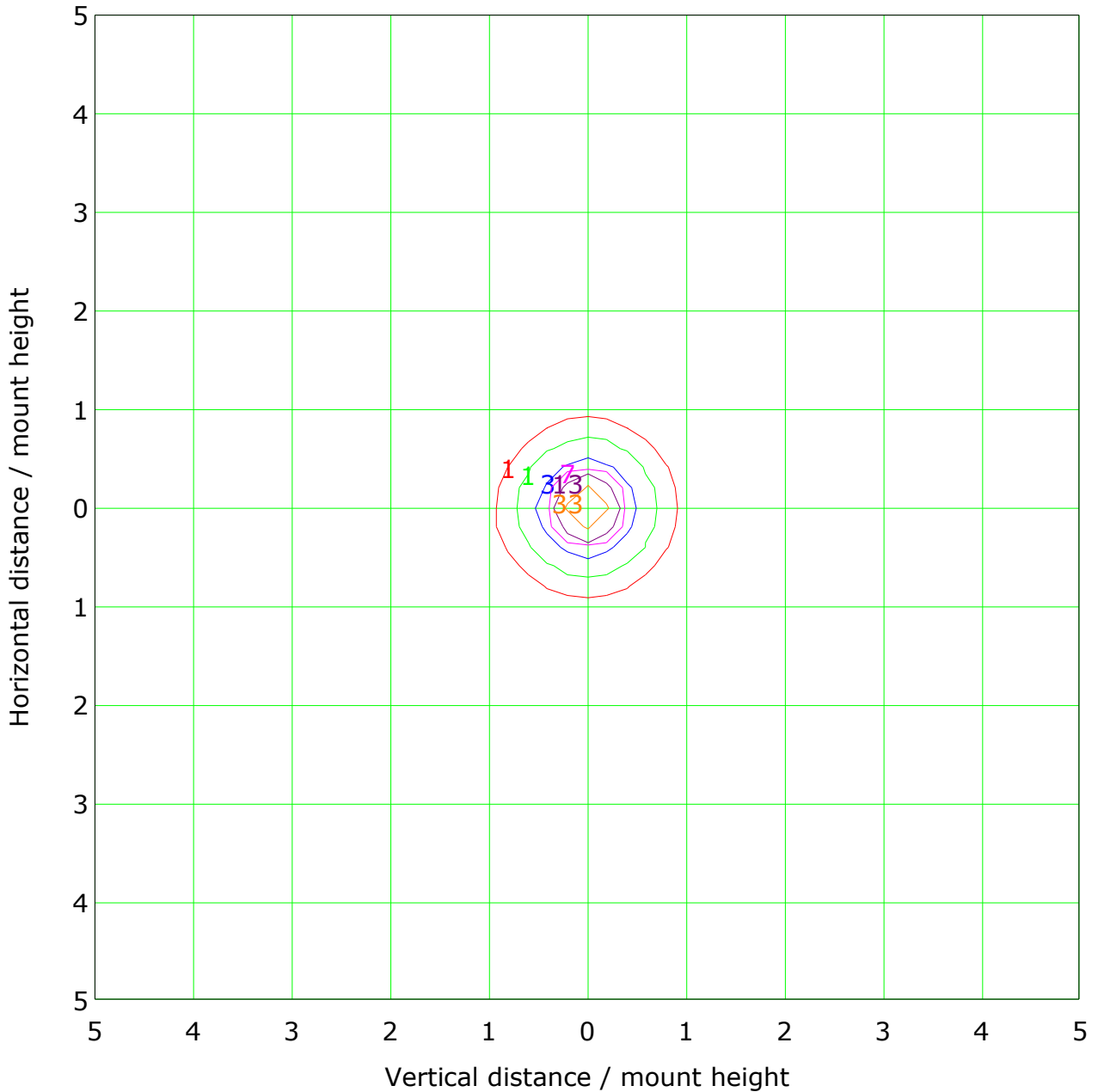
## Isocandela (rectangle)



Imax (100%): 6580 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 658 cd  | — ( 16%): 1053 cd |
| — ( 25%): 1645 cd | — ( 40%): 2632 cd |
| — ( 63%): 4145 cd | — (100%): 6580 cd |

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 65.8 lx	
— ( 1%):	0.7 lx	— ( 2%):	1.3 lx
— ( 5%):	3.3 lx	— ( 10%):	6.6 lx
— ( 20%):	13.2 lx	— ( 50%):	32.9 lx
— (100%):	65.8 lx		

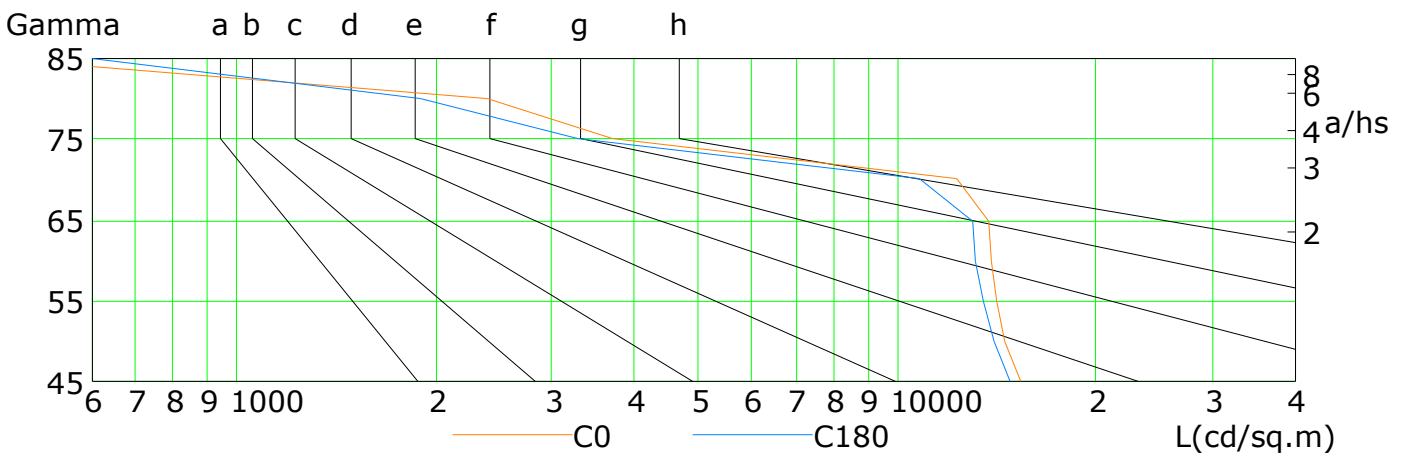
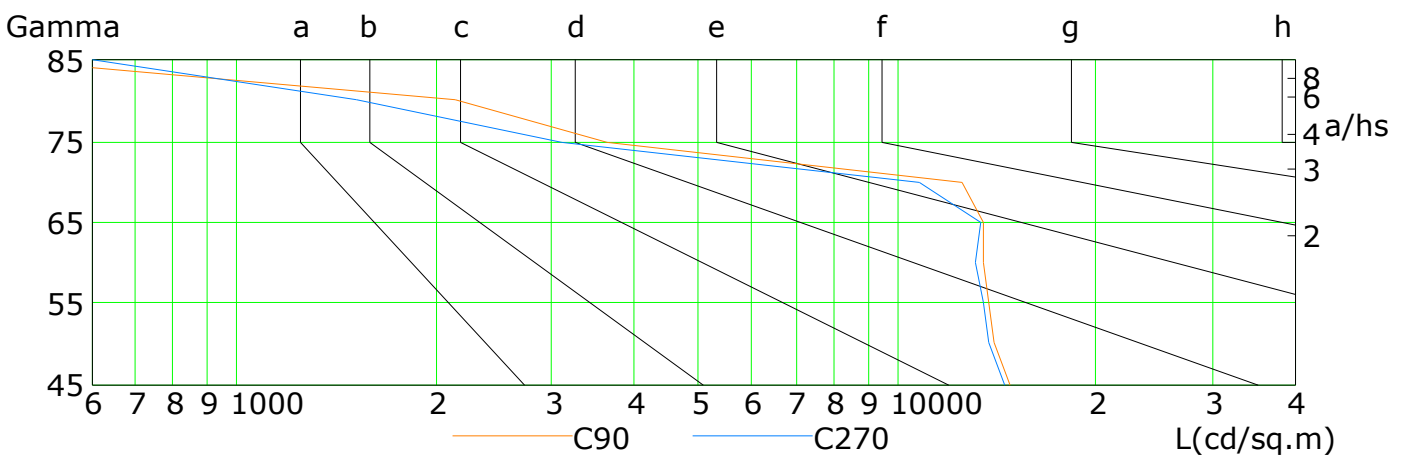
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## Lum Limit Curve

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

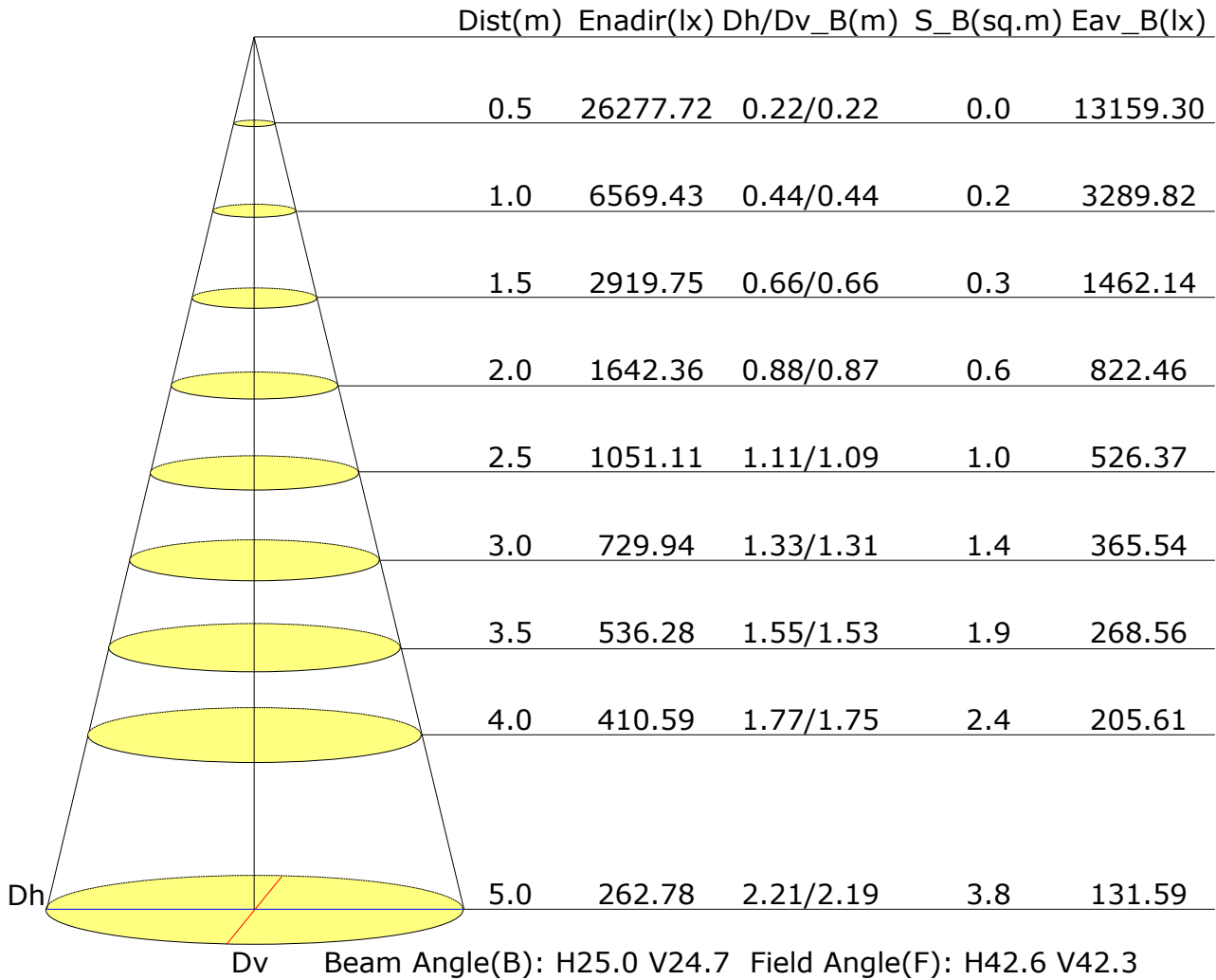


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	15328	14507	14177	13835	13782	12260	3711	2394	441
C90	14775	13977	13755	13450	13501	12535	3623	2139	441
C180	14844	13939	13503	13067	13052	10822	3269	1889	0
C270	14532	13788	13503	13163	13333	10754	3094	1510	0

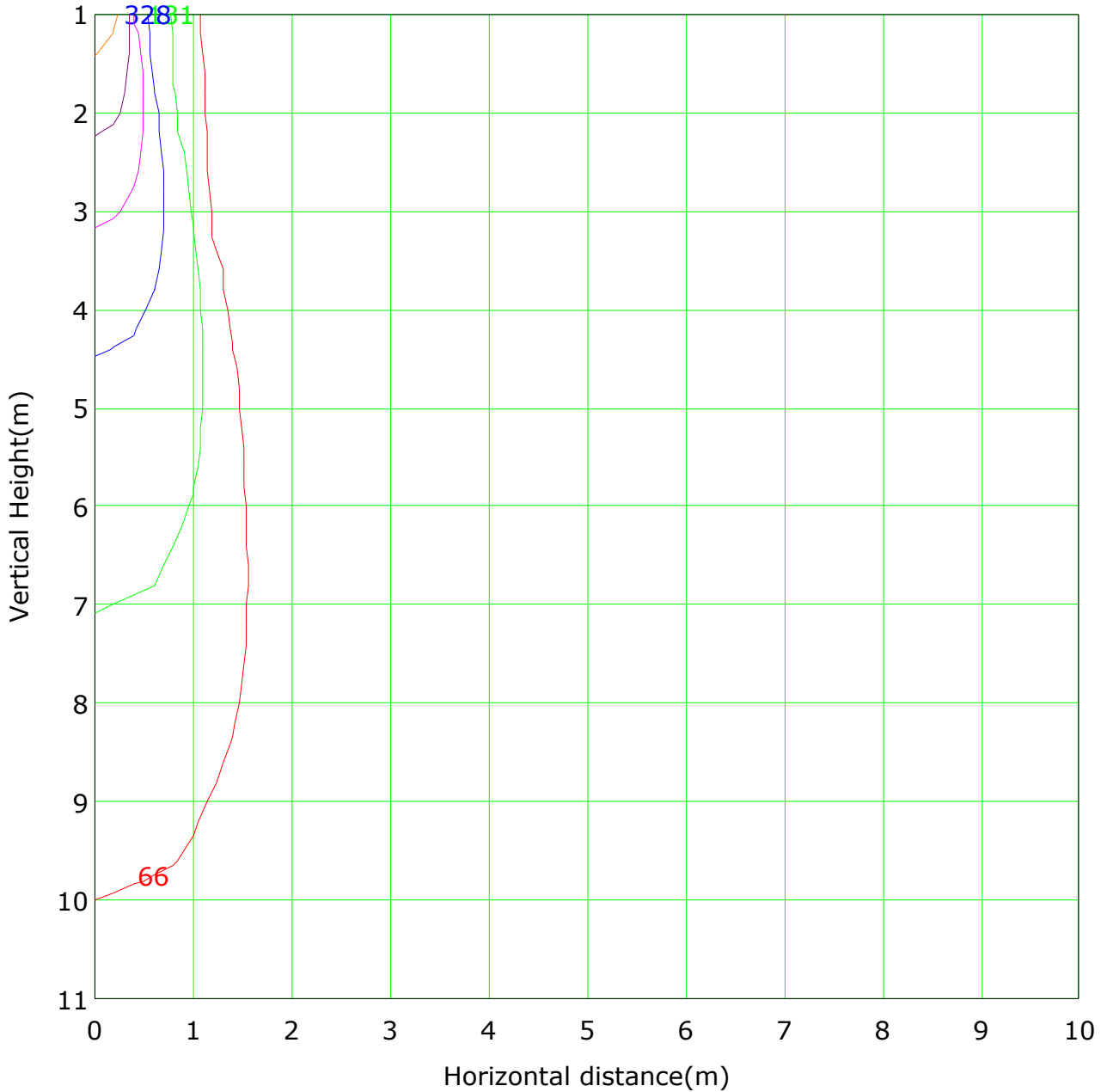
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 Humidity: 60  
 Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 6569.4 lx  
 ( 1%): 65.7 lx                      ( 2%): 131.4 lx  
 ( 5%): 328.5 lx                      ( 10%): 656.9 lx  
 ( 20%): 1313.9 lx                    ( 50%): 3284.7 lx  
 (100%): 6569.4 lx

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## The Average Illuminance Effective Figure

