

Report No.: 1

Test Time: 2017-01-16 16:10

## Luminaire Property

Luminaire Category: 0800.W.A531.6  
Luminaire Description: 60042  
Length (mm): 110  
Height (mm): 170  
Current: 0.111 A  
Power Factor: 0.975

Luminaire Manufacturer: Brasled  
Width (mm): 110  
Voltage: 230.2 V  
Power: 24.91 W

## Photometric Results

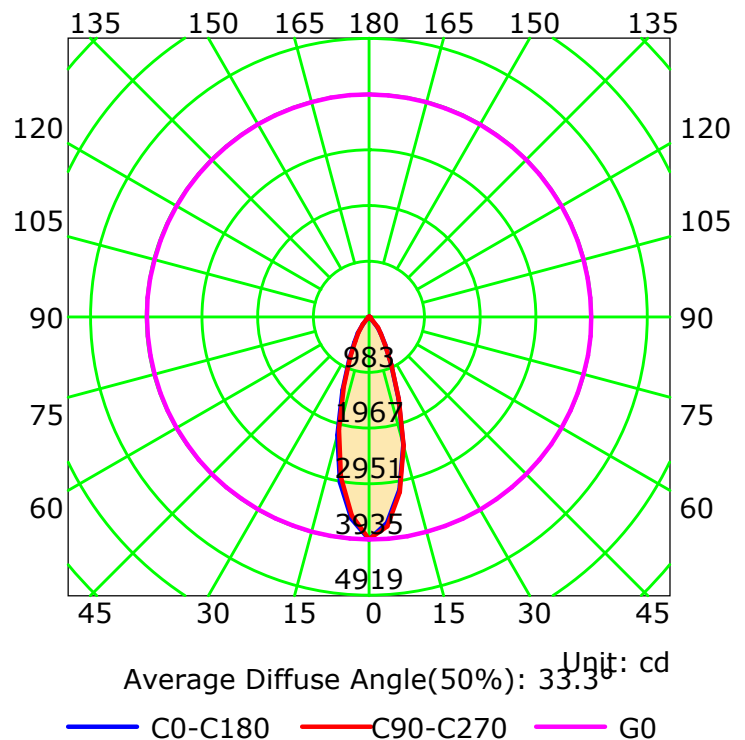
CIE Class: Direct  
Measurement Flux: 1713.5 lm  
Downward Ratio: 100%  
Field Angle: H68.2 V67.6  
Luminaire Efficacy Rating (LER): 69  
Max. Intensity: 3935.95 cd

Total Rated Lamp Lumens: 1713.5 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H33.6 V33.1  
Central Intensity: 3935.95 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



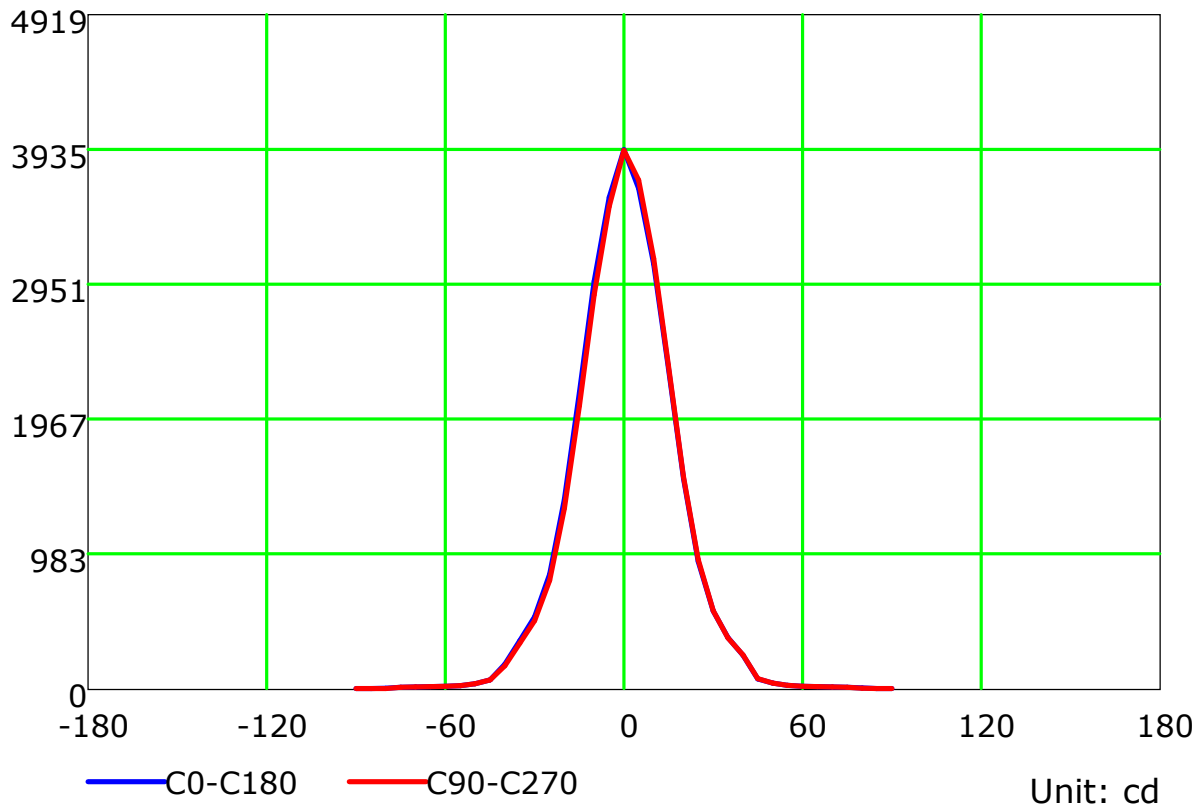
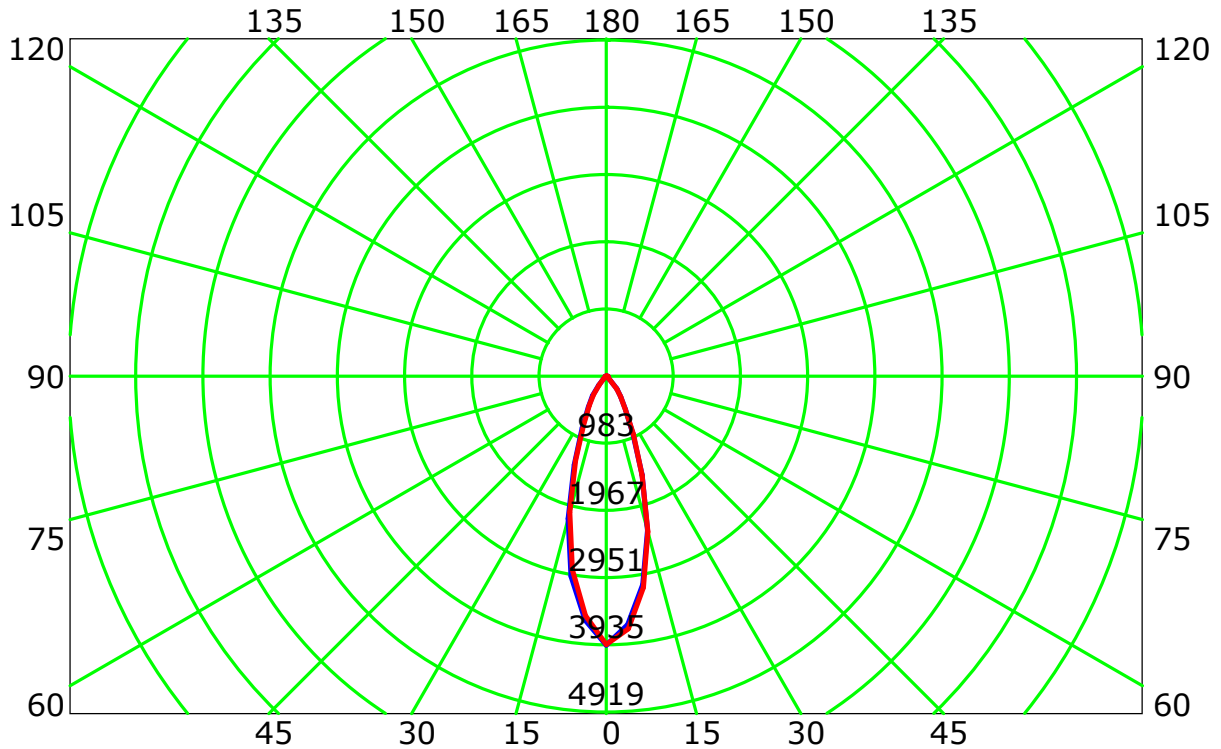
Luminous Intensity Distribution Curve



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



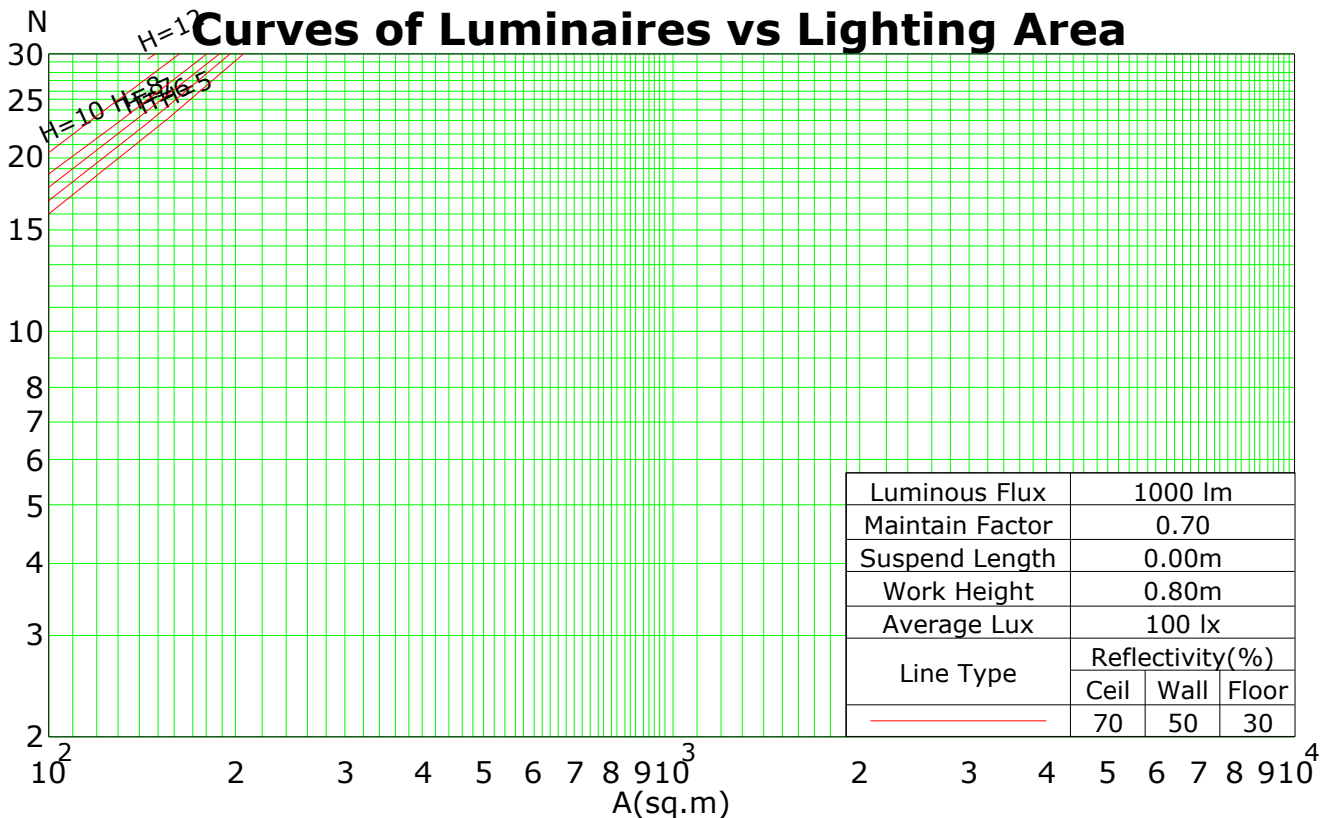
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## Coefficients Of Utilization - Zonal Cavity Method

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	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	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	100	93	88	84	98	92	87	83	89	85	82	87	84	81	86	83	80	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	83	77	74	81	77	73	80	76	73	78	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	62
10	78	69	64	61	77	69	64	60	68	63	60	67	63	60	67	63	60	59

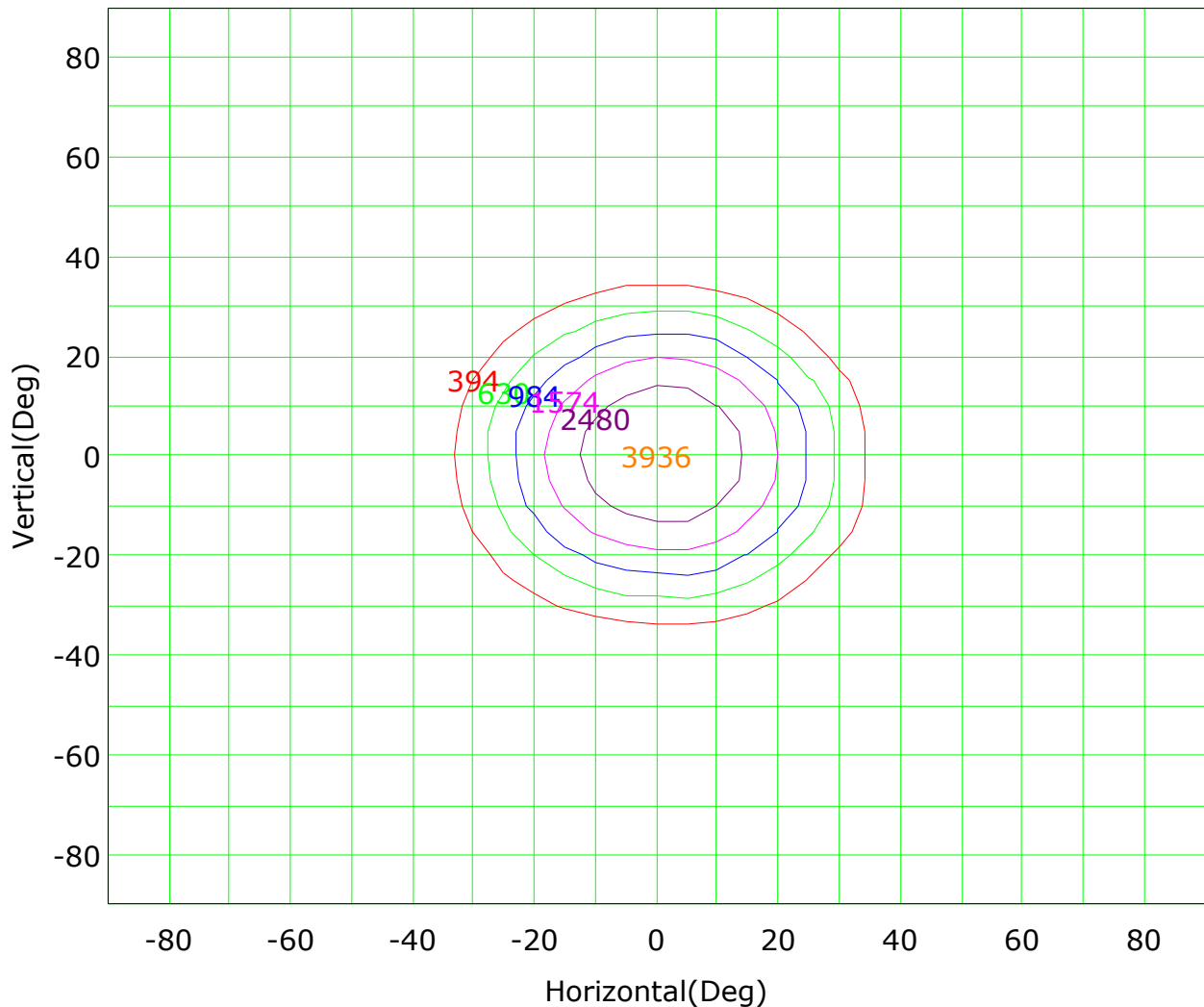
Spacing Criteria (0-180): 0.55  
 Spacing Criteria (90-270): 0.54  
 Spacing Criteria (Diagonal): 0.57



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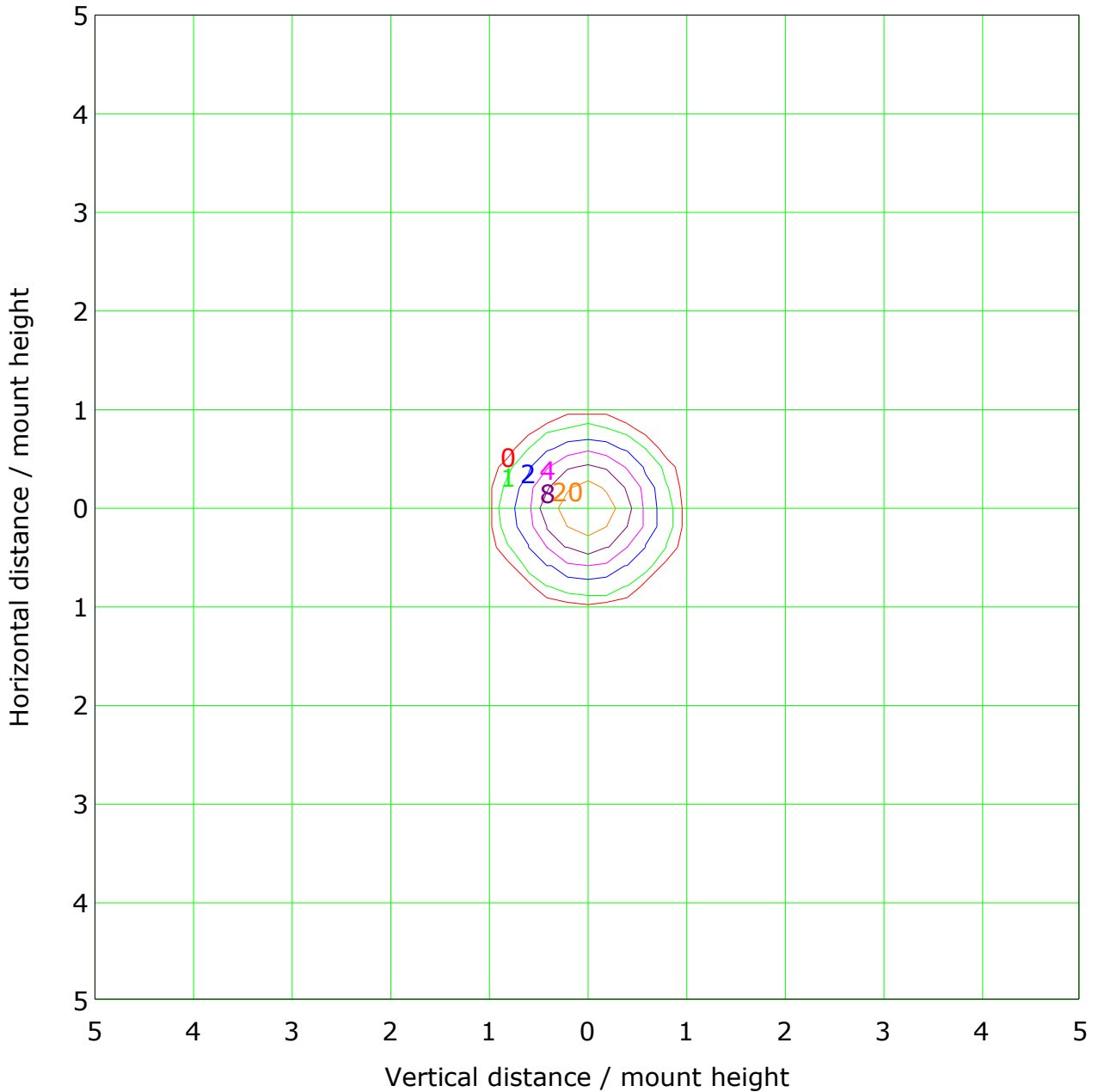
## Isocandela (rectangle)



Imax (100%): 3936 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 394 cd  | — ( 16%): 630 cd  |
| — ( 25%): 984 cd  | — ( 40%): 1574 cd |
| — ( 63%): 2480 cd | — (100%): 3936 cd |

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 39.4 lx	
— ( 1%):	0.4 lx	— ( 2%):	0.8 lx
— ( 5%):	2.0 lx	— ( 10%):	3.9 lx
— ( 20%):	7.9 lx	— ( 50%):	19.7 lx
— (100%):	39.4 lx		

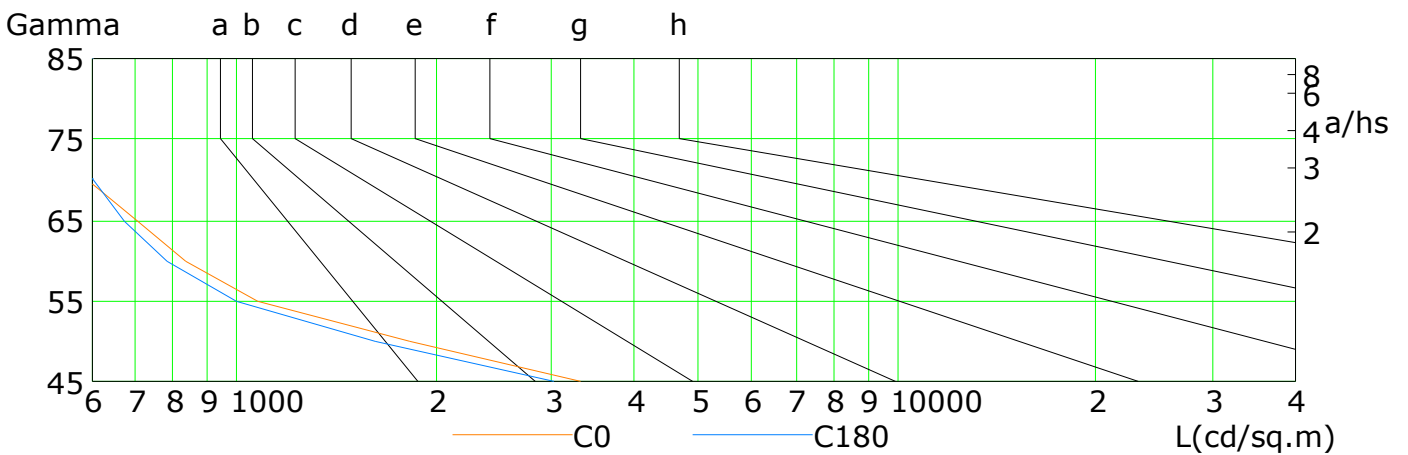
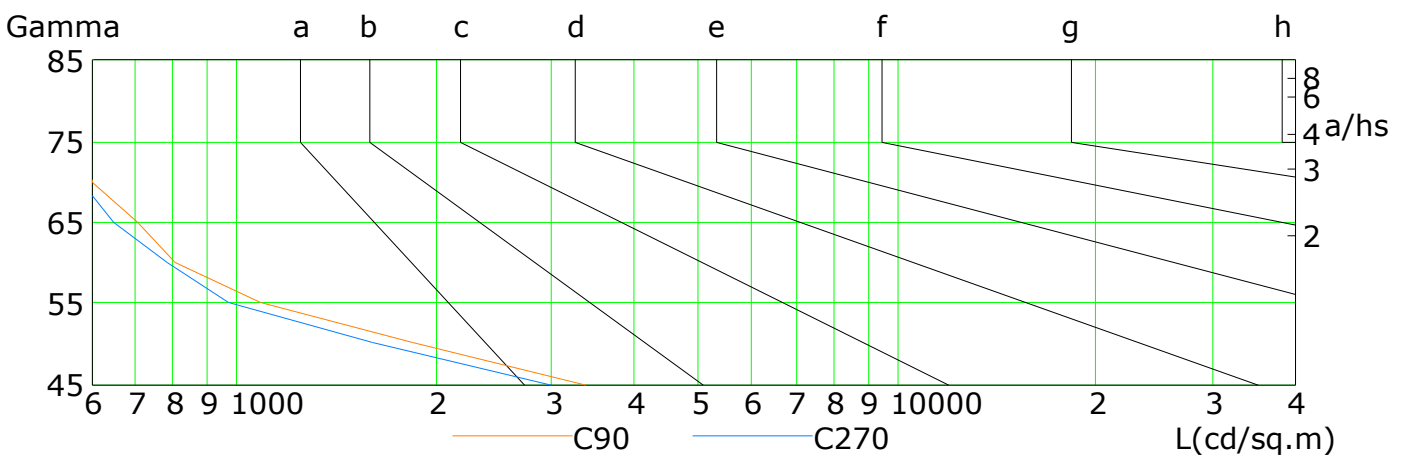
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## Lum Limit Curve

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

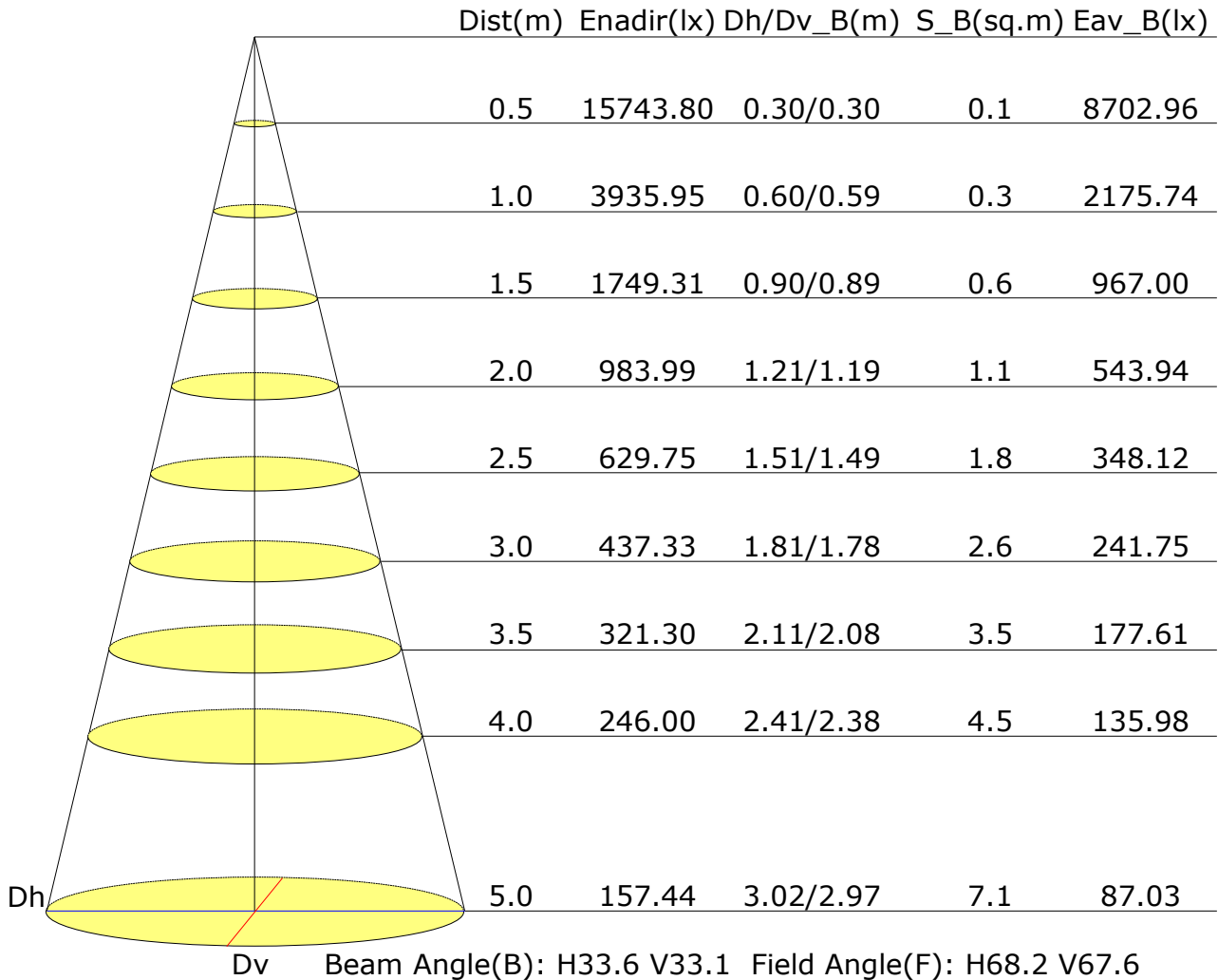


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3304	1823	1073	832	703	591	521	248	0
C90	3358	1837	1086	805	703	605	493	204	0
C180	3002	1621	992	779	677	605	465	116	0
C270	2974	1607	965	779	650	578	451	58	0

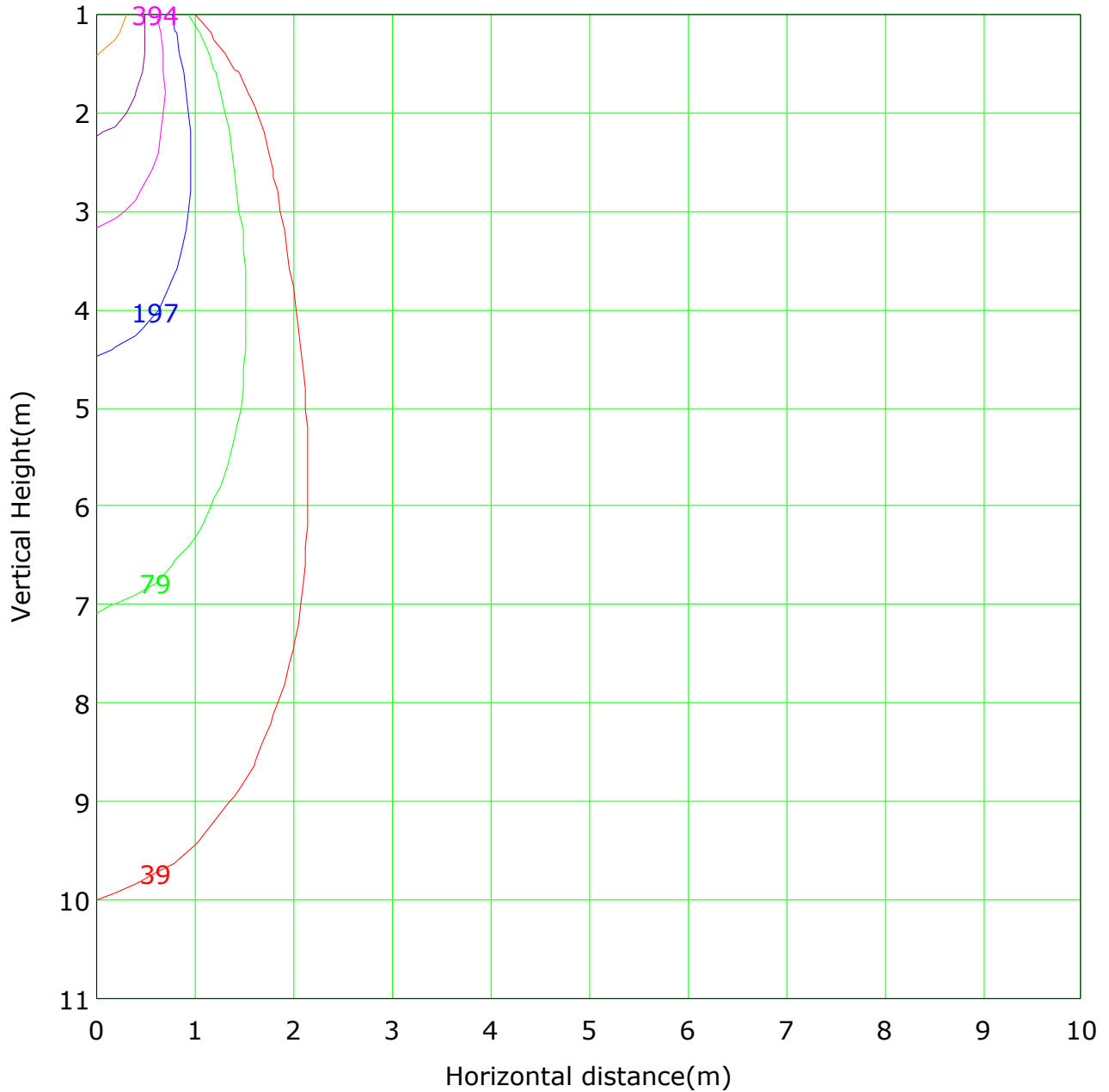
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 Test Type: TYPE C  
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 Test Device: LSG-1200A  
 Distance: 1.0 m  
 Humidity: 60  
 Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 3935.9 lx

— ( 1%): 39.4 lx	— ( 2%): 78.7 lx
— ( 5%): 196.8 lx	— ( 10%): 393.6 lx
— ( 20%): 787.2 lx	— ( 50%): 1968.0 lx
— (100%): 3935.9 lx	

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## The Average Illuminance Effective Figure

