

Report No.: 1

Test Time: 2017-01-16 10:11

## Luminaire Property

Luminaire Category: 0802.W.A631.6  
Luminaire Description: 60053  
Length (mm): 130  
Height (mm): 230  
Current: 0.106 A  
Power Factor: 0.971

Luminaire Manufacturer: Brasled  
Width (mm): 130  
Voltage: 230.2 V  
Power: 23.64 W

## Photometric Results

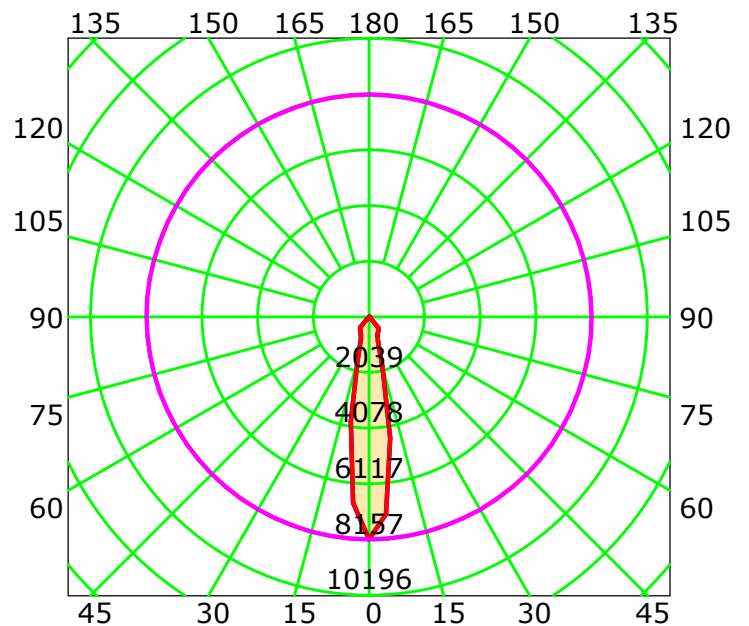
CIE Class: Direct  
Measurement Flux: 2060.7 lm  
Downward Ratio: 100%  
Field Angle: H45.8 V45.5  
Luminaire Efficacy Rating (LER): 87  
Max. Intensity: 8157.03 cd

Total Rated Lamp Lumens: 2060.7 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H20.6 V20.5  
Central Intensity: 8148.57 cd  
Pos of Max. Intensity: H45 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



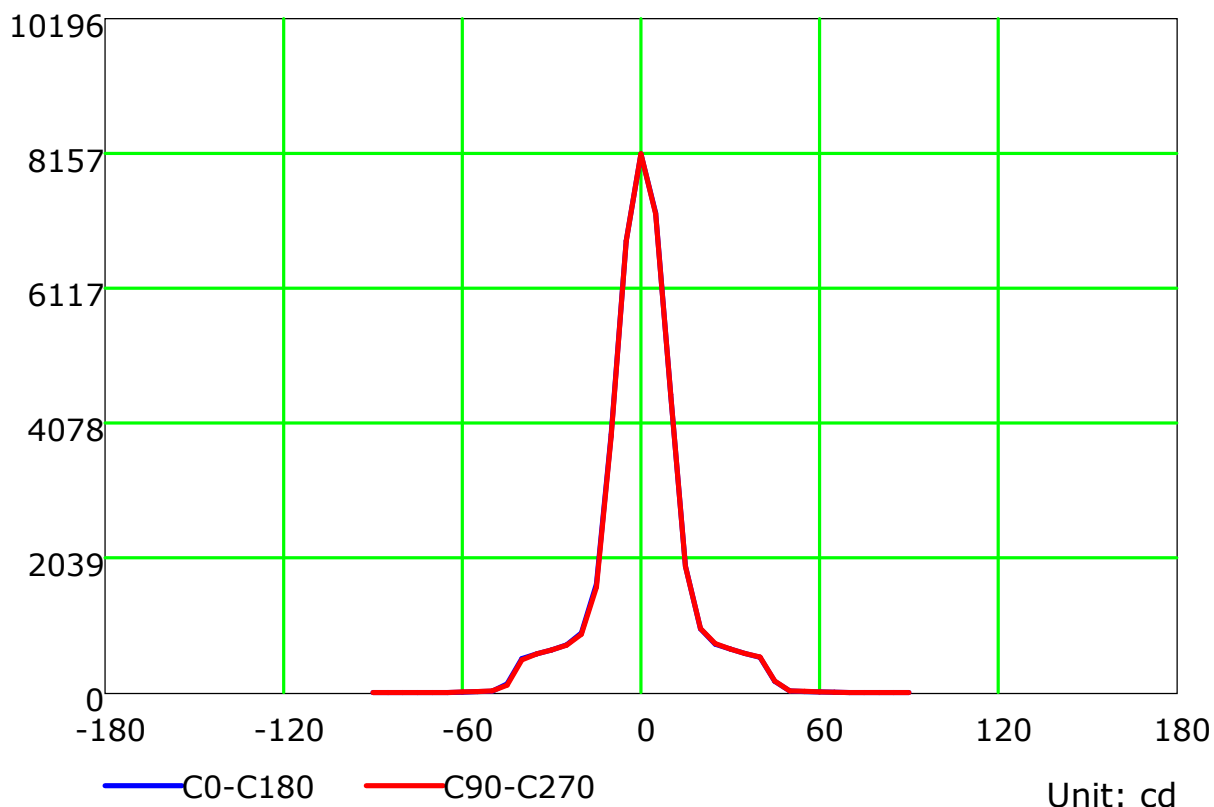
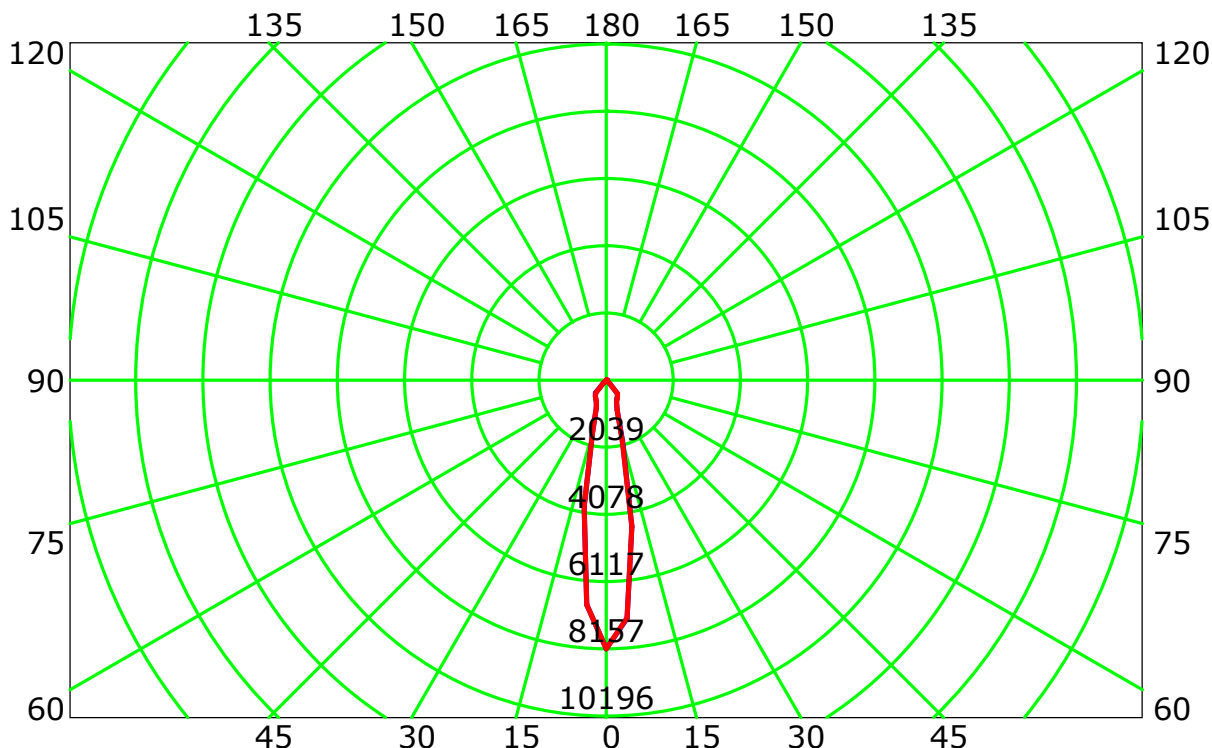
Average Diffuse Angle(50%): 20.5° Unit: cd

— 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



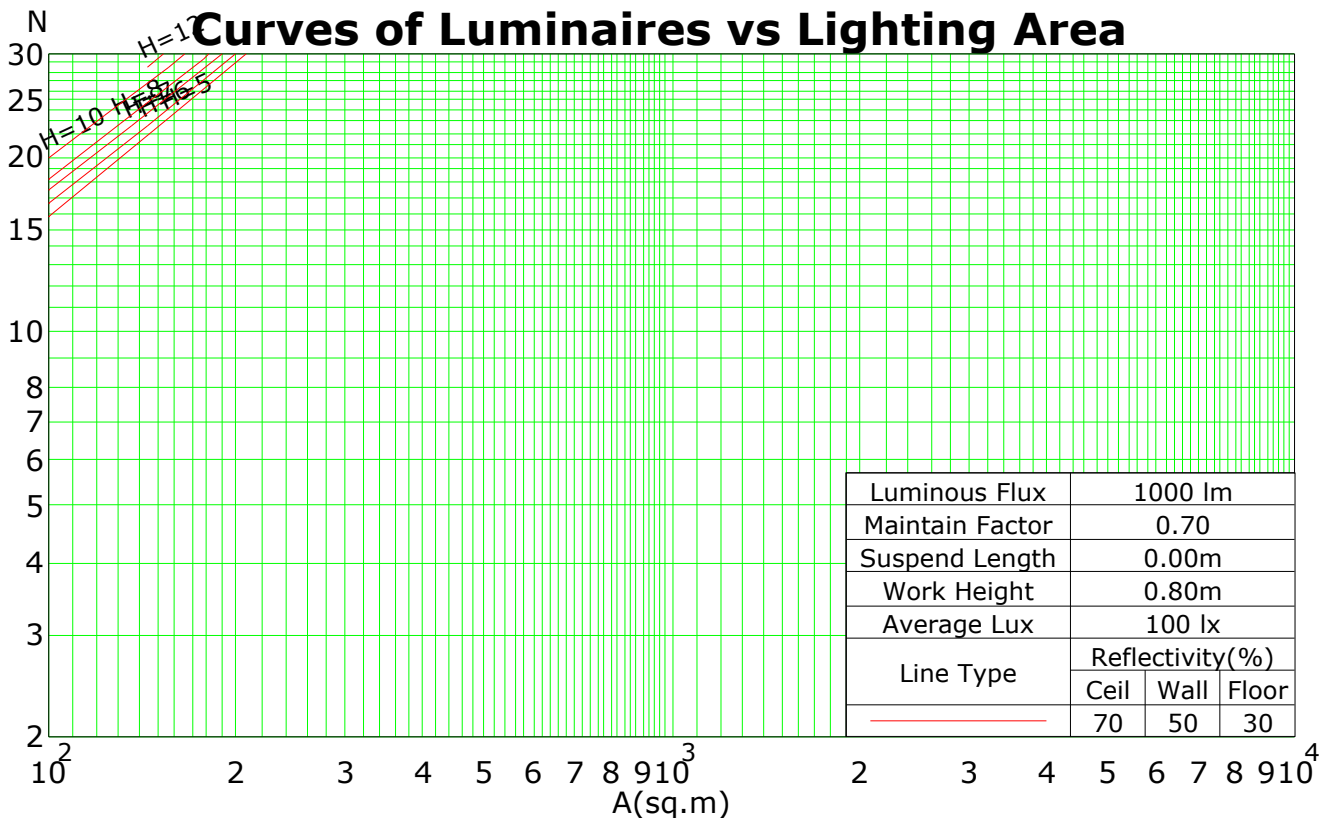
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## Coefficients Of Utilization - Zonal Cavity Method

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	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63
10	79	71	66	63	78	70	66	62	70	65	62	69	65	62	68	65	62	61

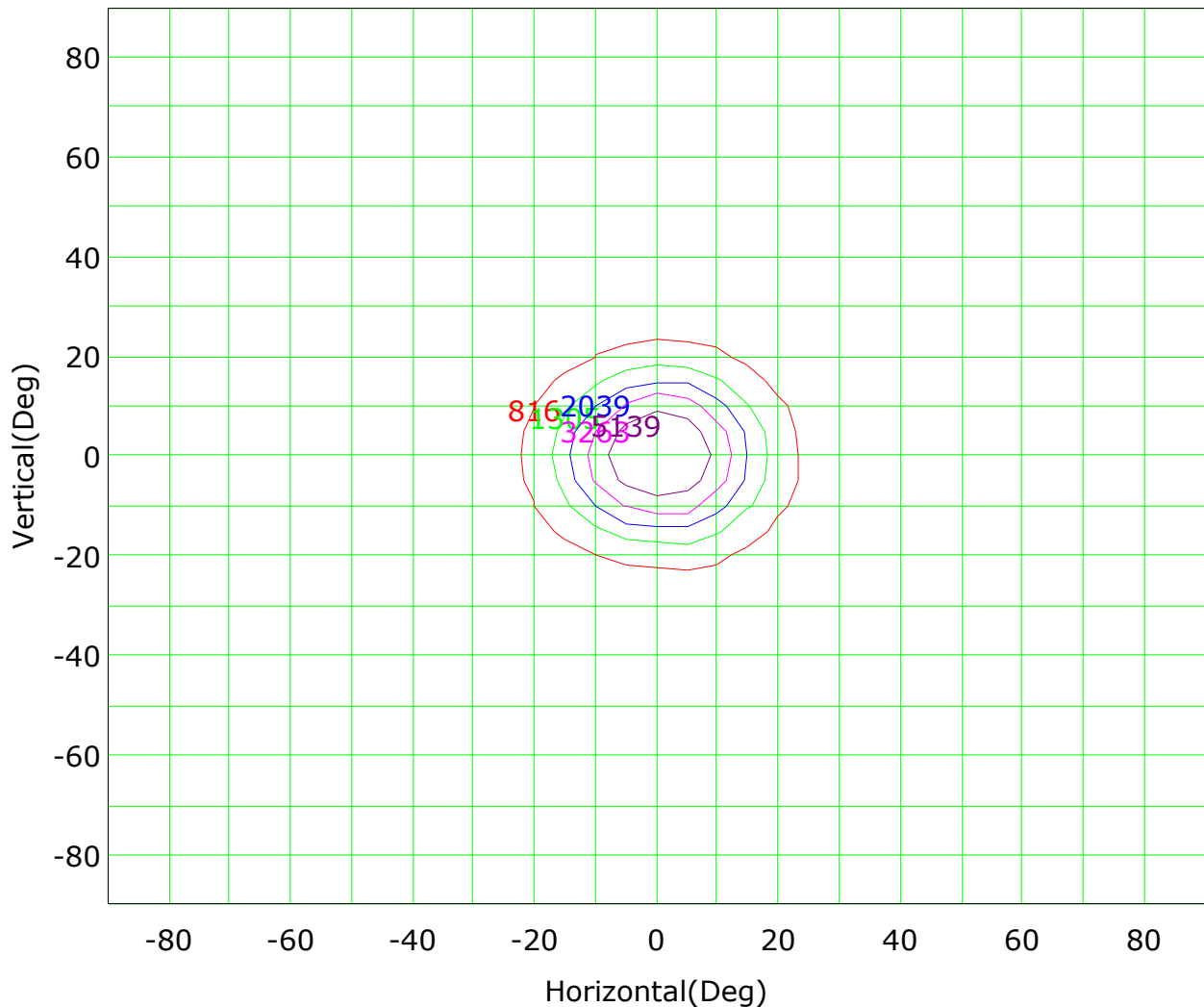
Spacing Criteria (0-180): 0.35  
 Spacing Criteria (90-270): 0.35  
 Spacing Criteria (Diagonal): 0.35



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## Isocandela (rectangle)



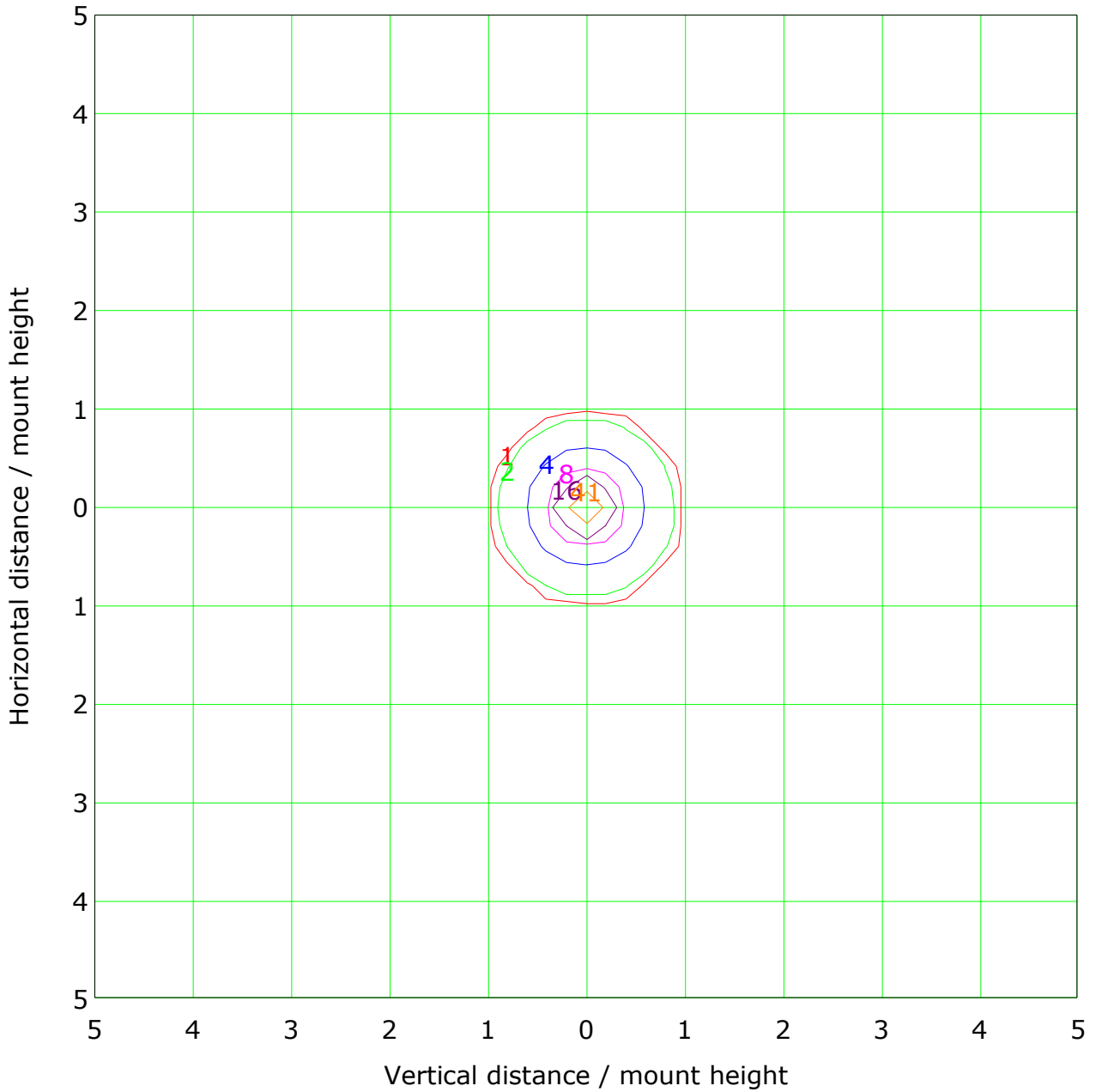
Imax (100%): 8157 cd

— ( 10%): 816 cd	— ( 16%): 1305 cd
— ( 25%): 2039 cd	— ( 40%): 3263 cd
— ( 63%): 5139 cd	— (100%): 8157 cd

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## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 81.6 lx	
— ( 1%):	0.8 lx	— ( 2%):	1.6 lx
— ( 5%):	4.1 lx	— ( 10%):	8.2 lx
— ( 20%):	16.3 lx	— ( 50%):	40.8 lx
— (100%):	81.6 lx		

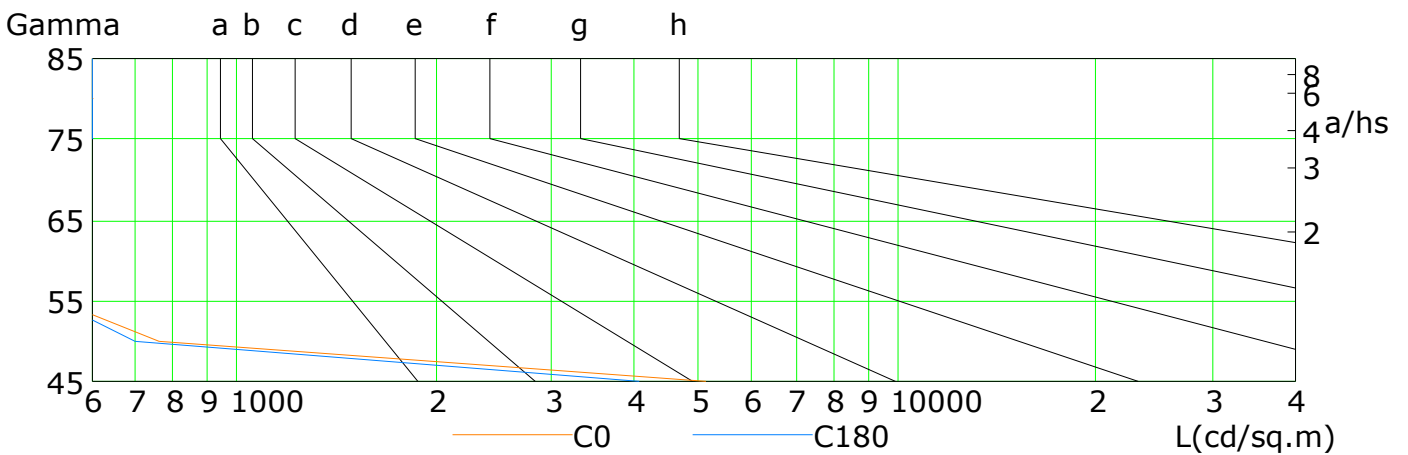
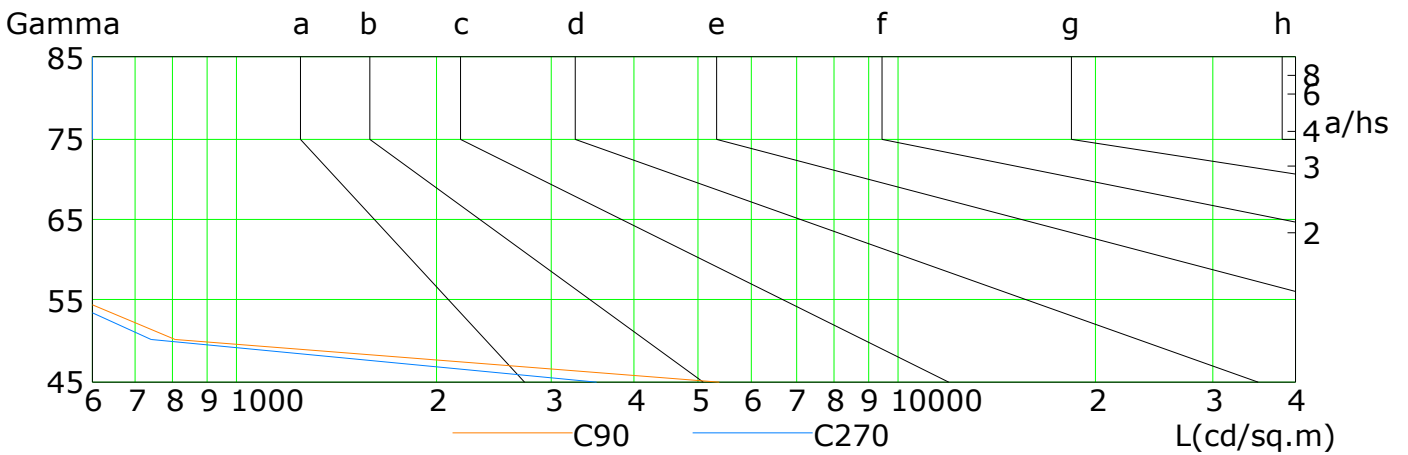
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 Humidity: 60  
 Inspector:

## 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

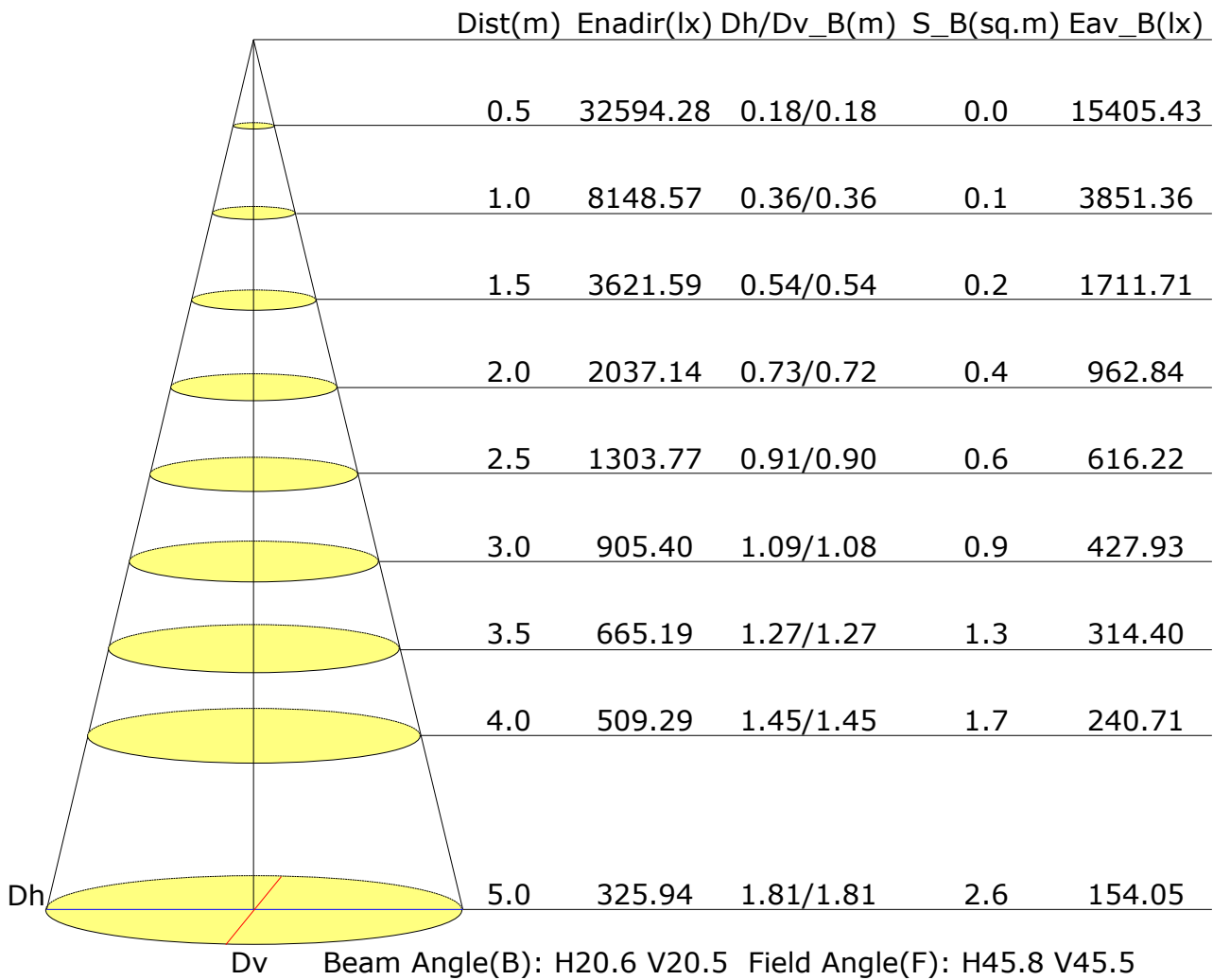


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5132	761	524	325	168	80	10	0	0
C90	5377	801	574	365	168	60	0	0	0
C180	4079	701	515	266	129	40	0	0	0
C270	3496	741	554	305	138	40	0	0	0

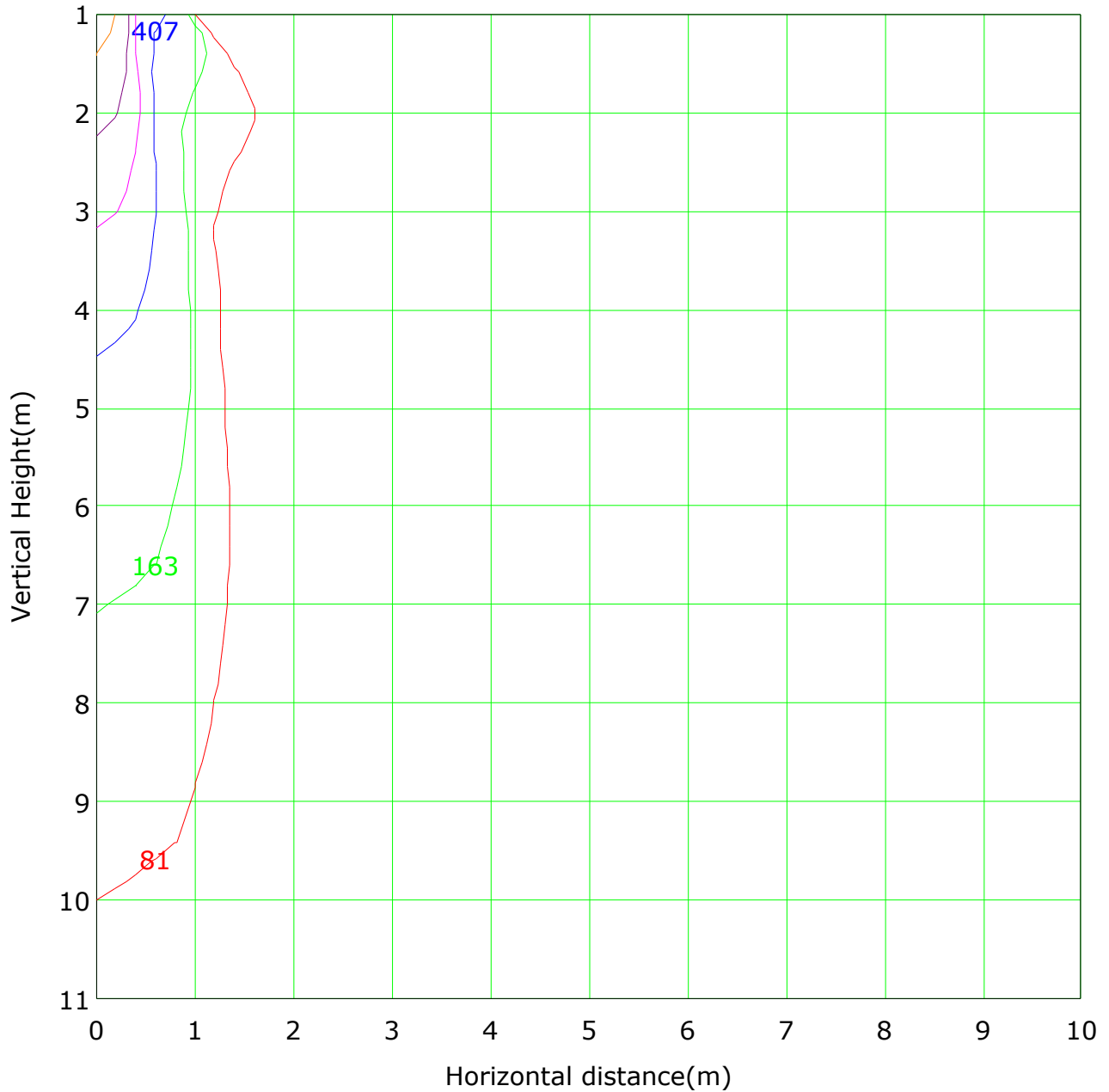
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## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 8148.6 lx

— ( 1%): 81.5 lx	— ( 2%): 163.0 lx
— ( 5%): 407.4 lx	— ( 10%): 814.9 lx
— ( 20%): 1629.7 lx	— ( 50%): 4074.3 lx
— (100%): 8148.6 lx	



## The Average Illuminance Effective Figure

