

Report No.: 1

Test Time: 2016-12-27 14:29

## Luminaire Property

Luminaire Category: 0110.W.A231.6  
Luminaire Description: 60046  
Length (mm): 106  
Height (mm): 3  
Current: 0.046 A  
Power Factor: 0.974

Luminaire Manufacturer: Brasled  
Width (mm): 106  
Voltage: 230.2 V  
Power: 10.40 W

## Photometric Results

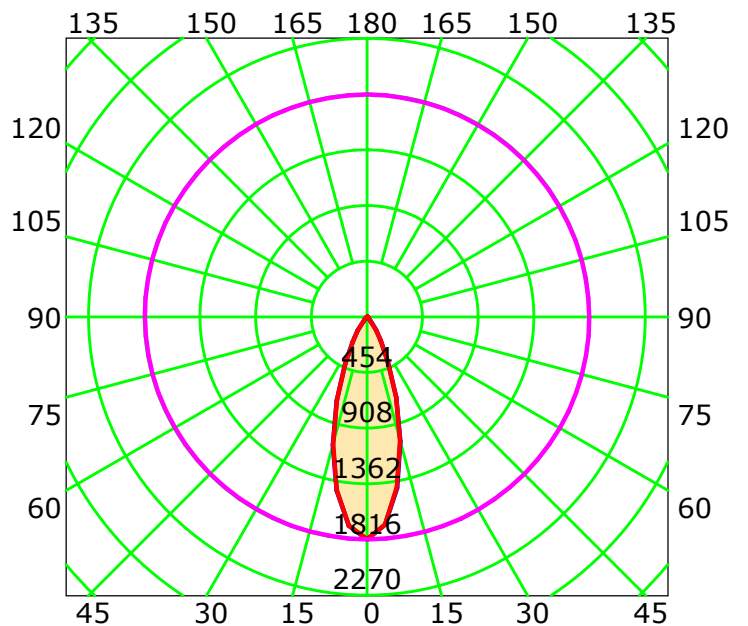
CIE Class: Direct  
Measurement Flux: 765.1 lm  
Downward Ratio: 100%  
Field Angle: H65.1 V64.8  
Luminaire Efficacy Rating (LER): 74  
Max. Intensity: 1816.71 cd

Total Rated Lamp Lumens: 765.1 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H34.6 V34.3  
Central Intensity: 1814.31 cd  
Pos of Max. Intensity: H67.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



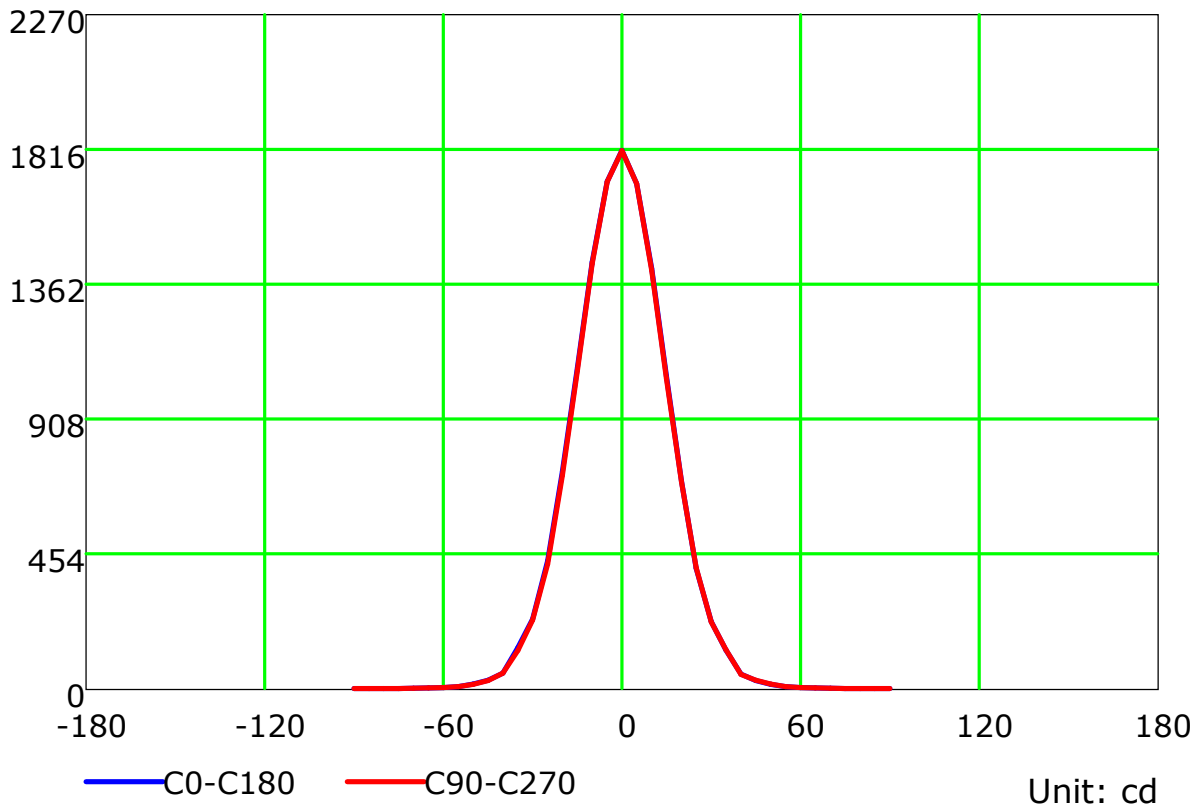
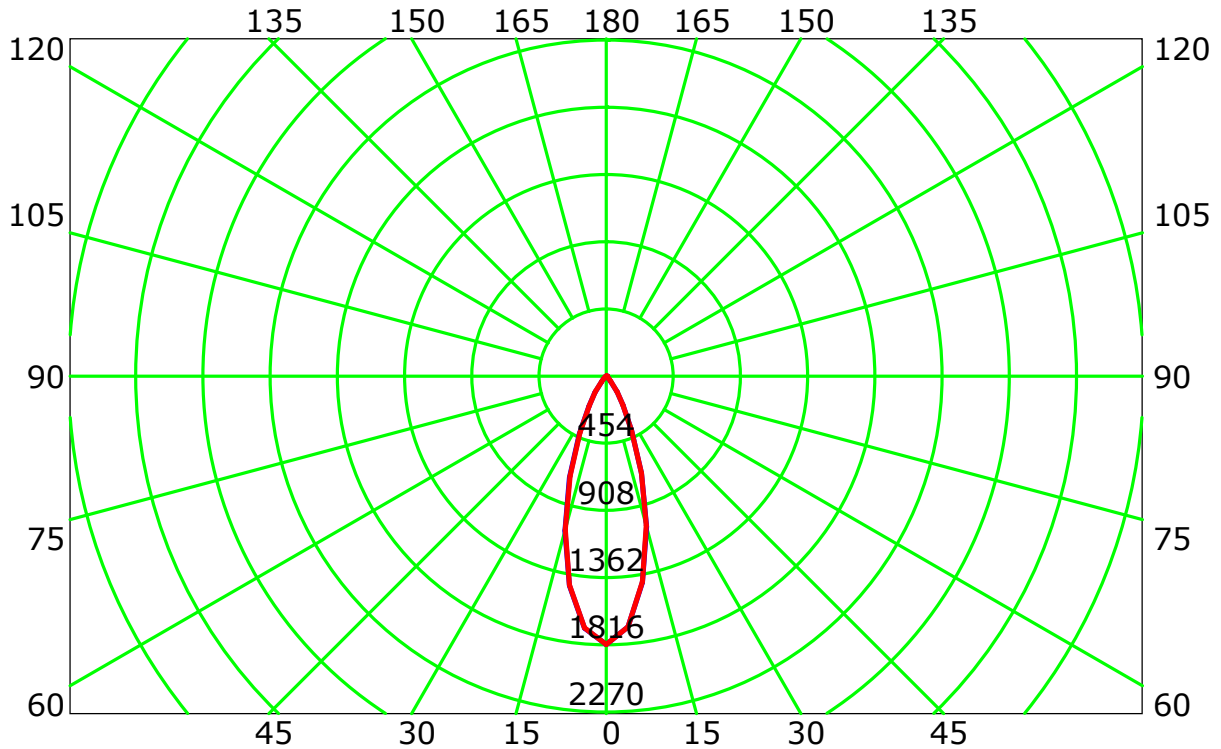
Average Diffuse Angle(50%): 34.5° Unit: cd

— 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



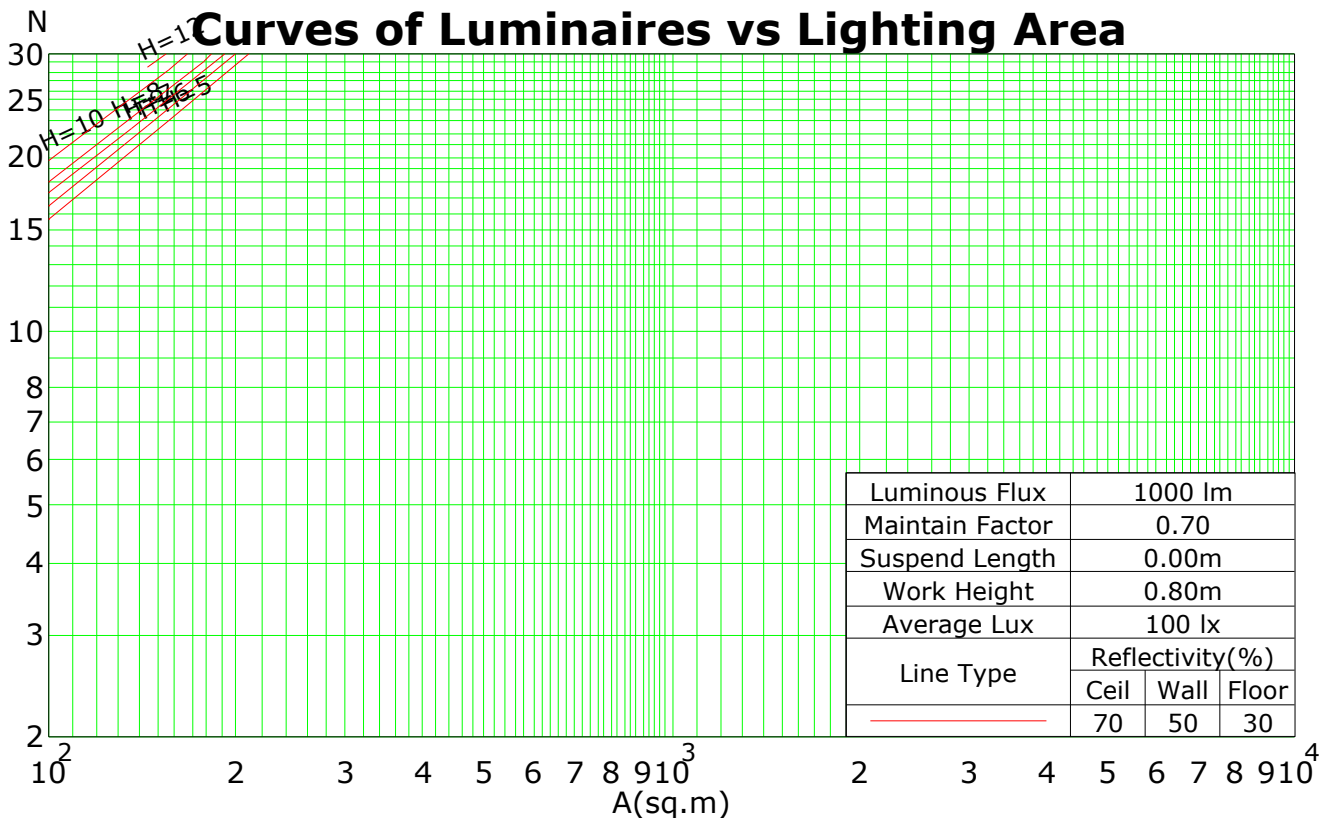
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## Coefficients Of Utilization - Zonal Cavity Method

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

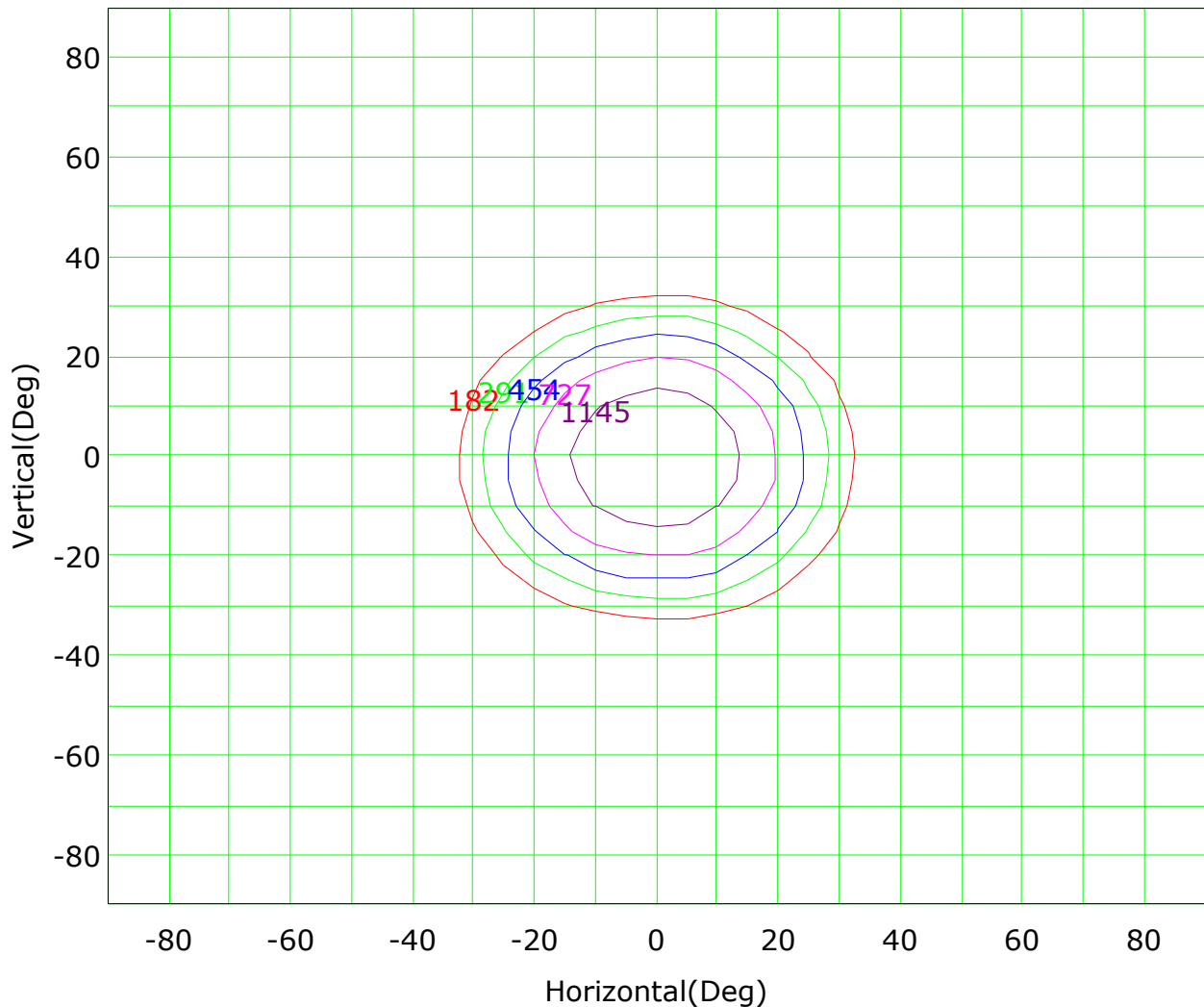
Spacing Criteria (0-180): 0.56  
 Spacing Criteria (90-270): 0.56  
 Spacing Criteria (Diagonal): 0.58



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## Isocandela (rectangle)



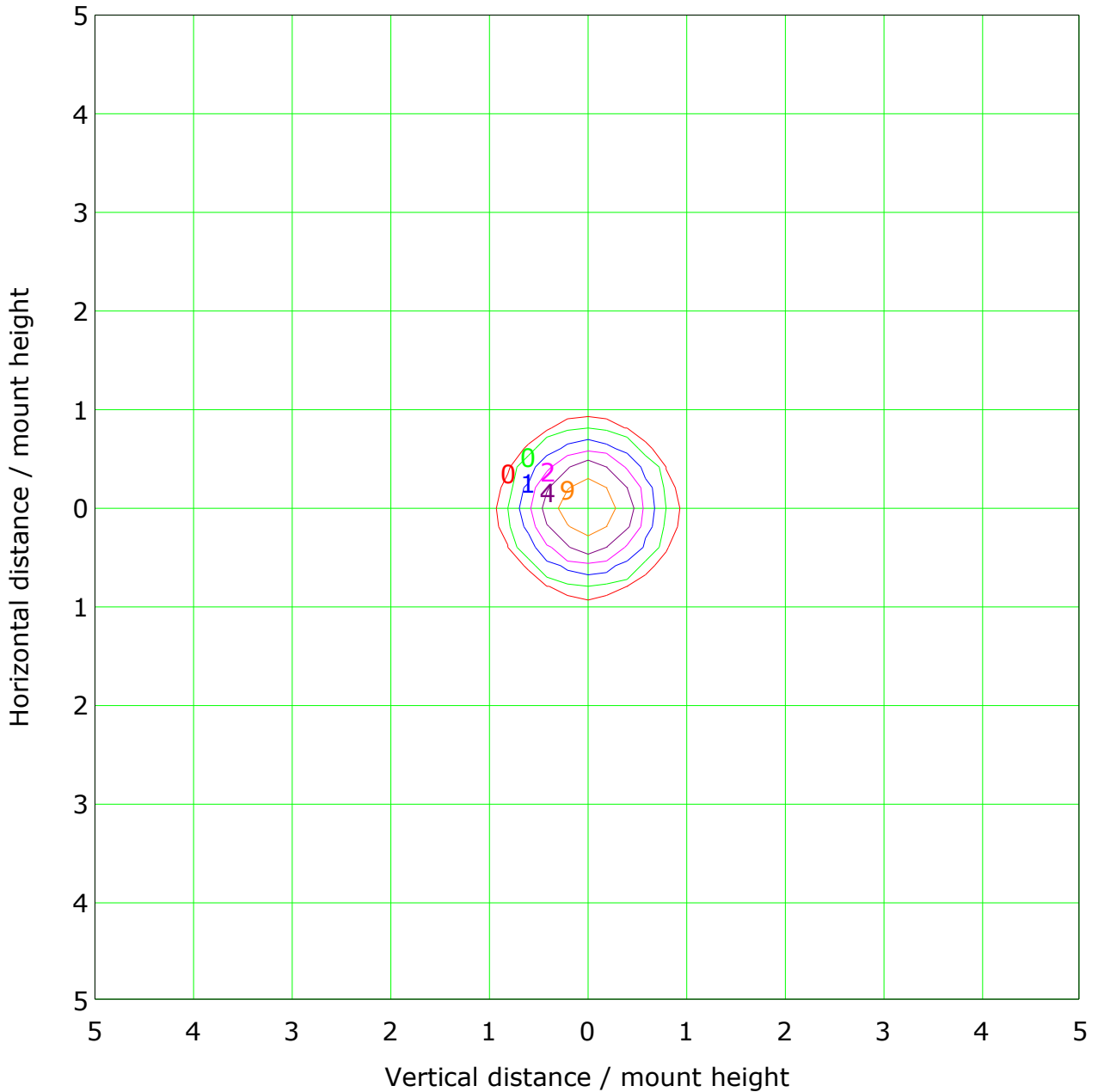
Imax (100%): 1817 cd

— ( 10%): 182 cd	— ( 16%): 291 cd
— ( 25%): 454 cd	— ( 40%): 727 cd
— ( 63%): 1145 cd	— (100%): 1817 cd

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## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 18.2 lx	
— ( 1%):	0.2 lx	— ( 2%):	0.4 lx
— ( 5%):	0.9 lx	— ( 10%):	1.8 lx
— ( 20%):	3.6 lx	— ( 50%):	9.1 lx
— (100%):	18.2 lx		

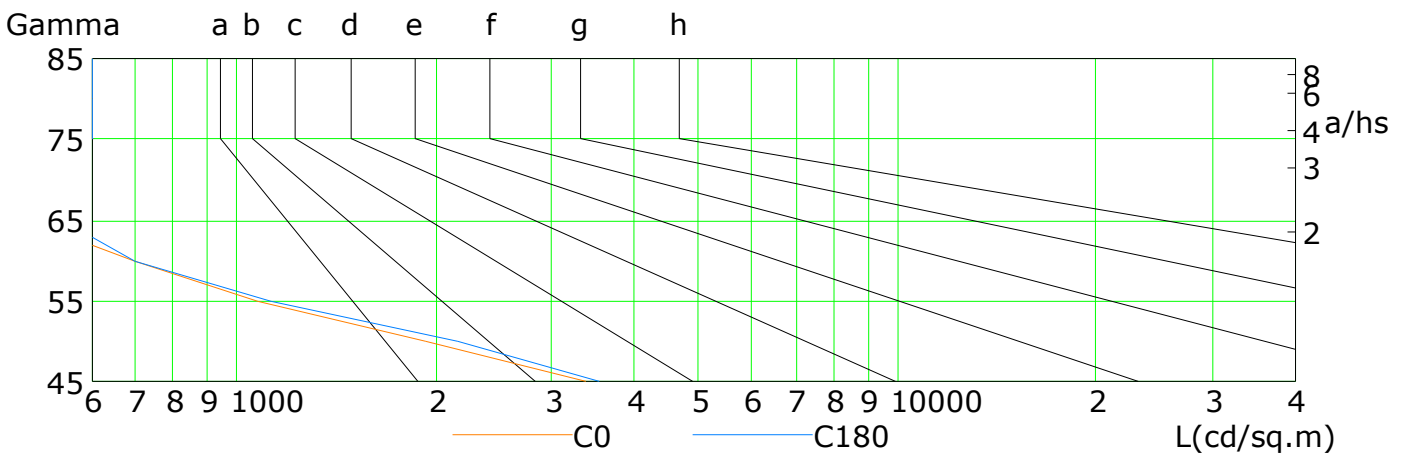
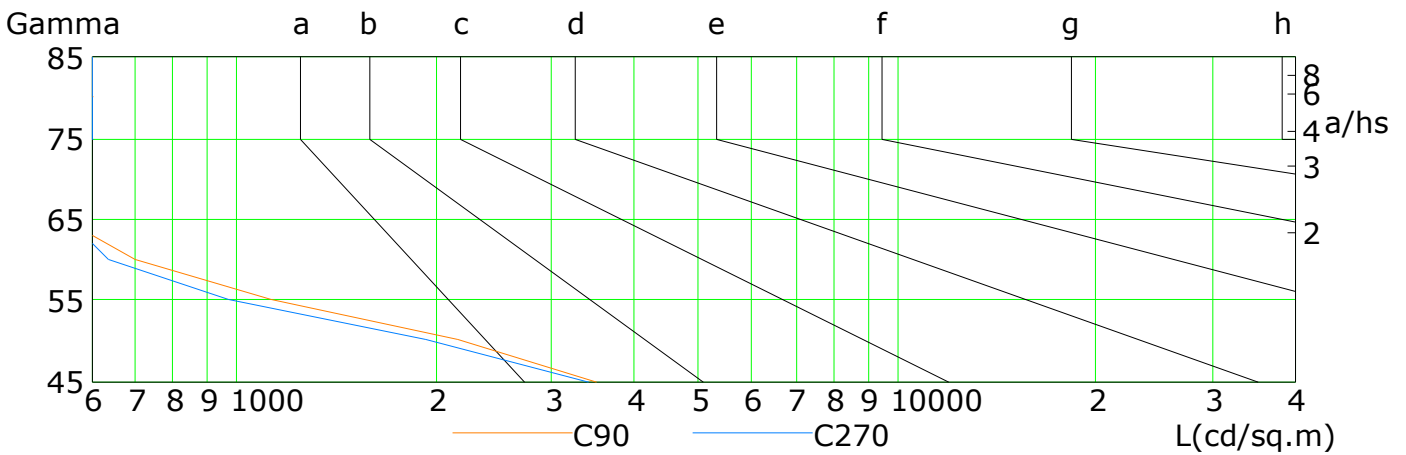
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## Lum Limit Curve

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

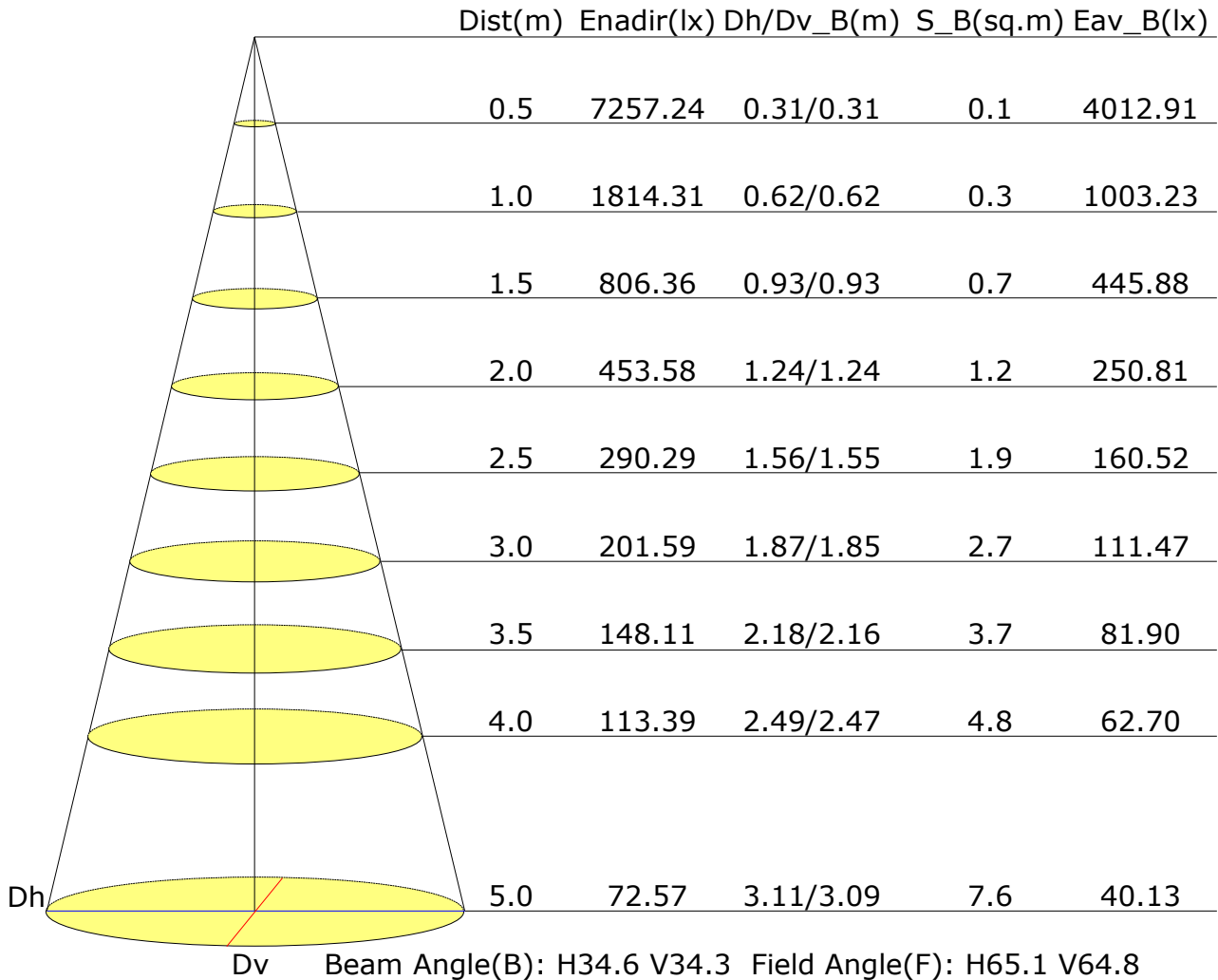


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3356	1927	1074	697	476	331	0	0	0
C90	3482	2158	1125	697	544	331	106	0	0
C180	3524	2158	1125	697	544	331	0	0	0
C270	3398	1927	971	640	544	331	0	0	0

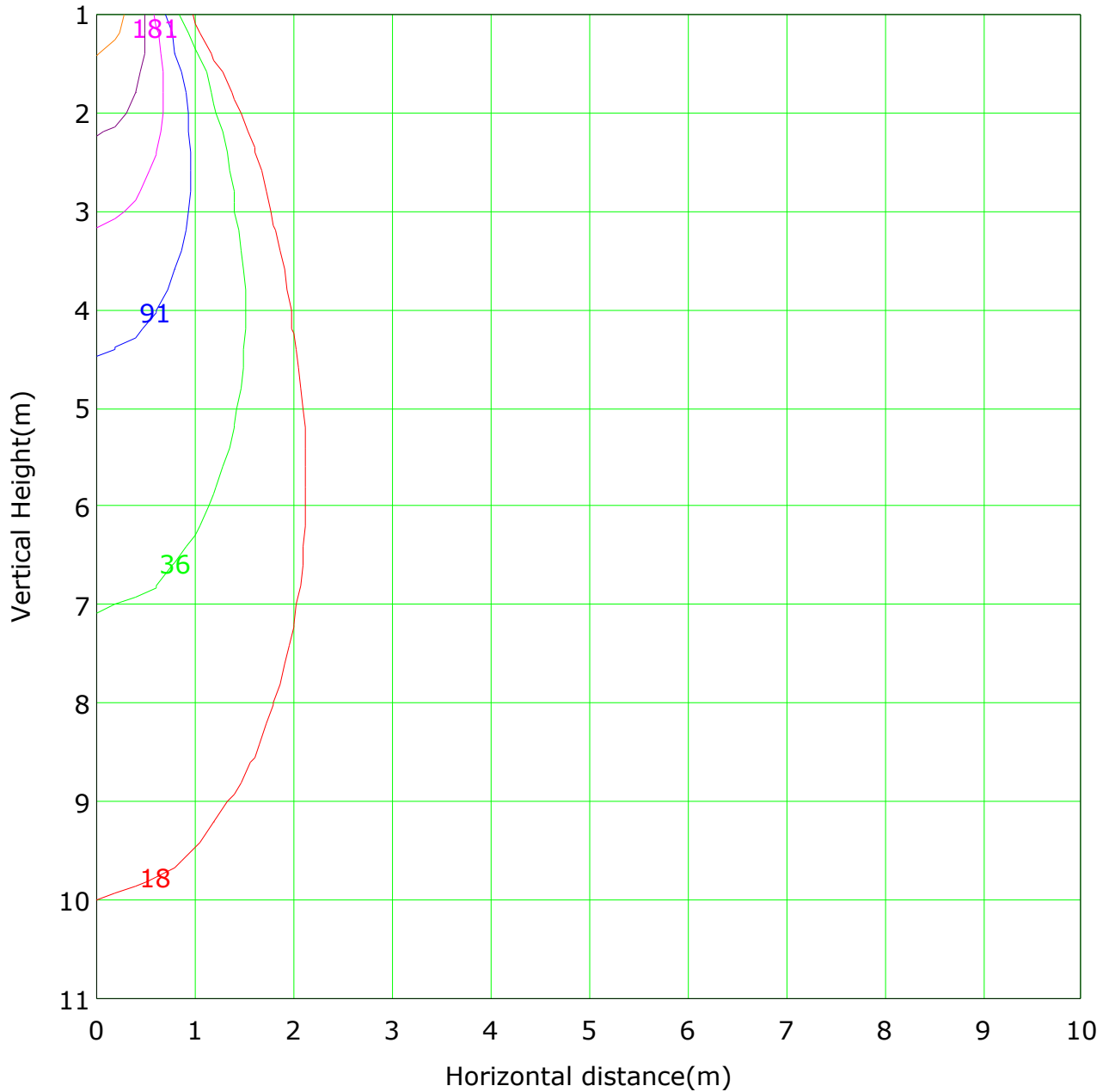
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## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1814.3 lx

— ( 1%): 18.1 lx	— ( 2%): 36.3 lx
— ( 5%): 90.7 lx	— ( 10%): 181.4 lx
— ( 20%): 362.9 lx	— ( 50%): 907.2 lx
— (100%):1814.3 lx	



## The Average Illuminance Effective Figure

