

Report No.: 1

Test Time: 2017-01-16 13:49

Luminaire Property

Luminaire Category: 0803.W.U641.6
Luminaire Description: 60086
Length (mm): 160
Height (mm): 230
Current: 0.108 A
Power Factor: 0.973

Luminaire Manufacturer: Brasled
Width (mm): 160
Voltage: 230.2 V
Power: 24.11 W

Photometric Results

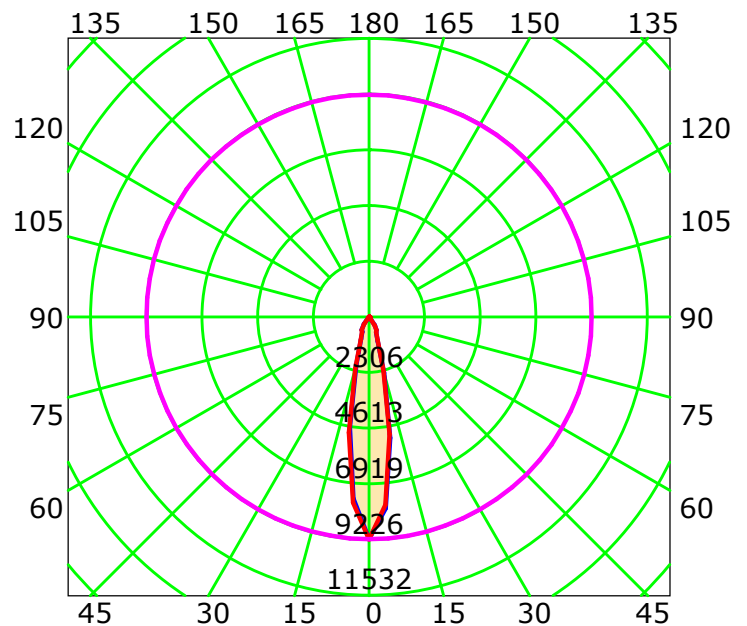
CIE Class: Direct
Measurement Flux: 1960.9 lm
Downward Ratio: 100%
Field Angle: H43.0 V43.4
Luminaire Efficacy Rating (LER): 81
Max. Intensity: 9226.31 cd

Total Rated Lamp Lumens: 1960.9 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H21.0 V21.1
Central Intensity: 9212.22 cd
Pos of Max. Intensity: H90 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



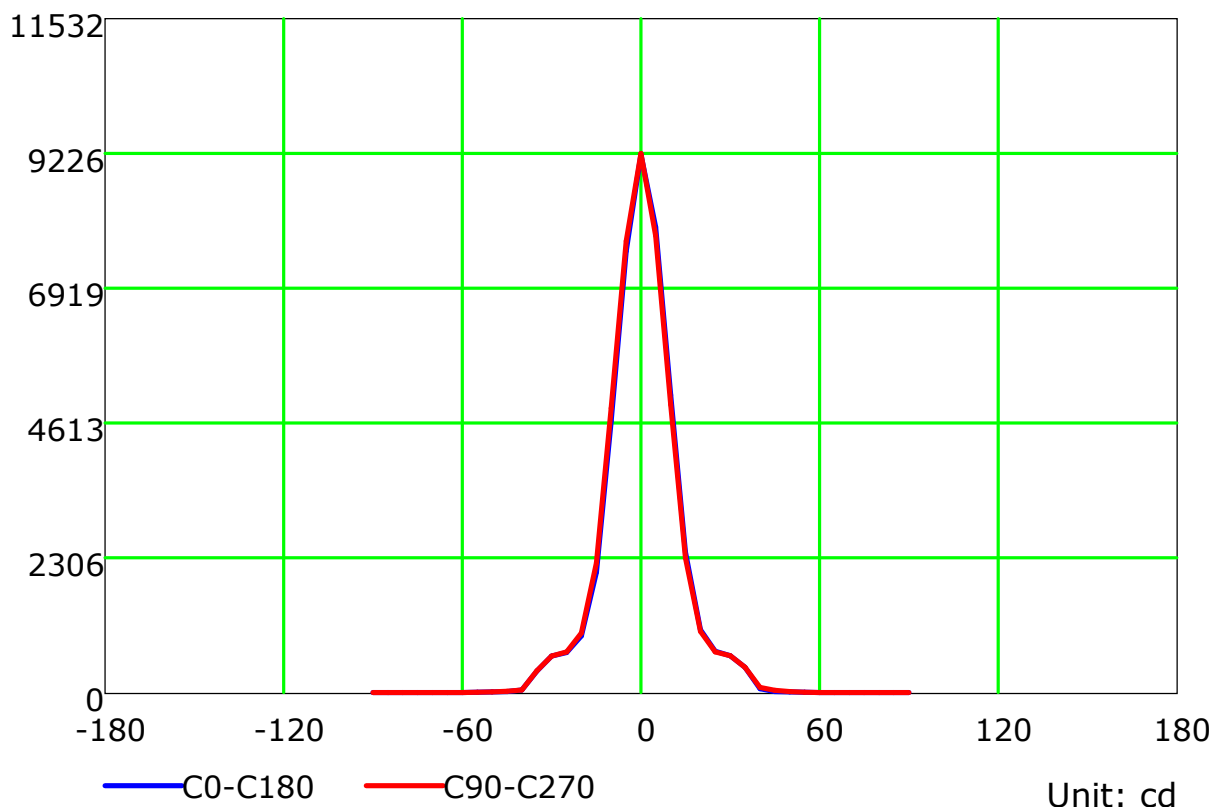
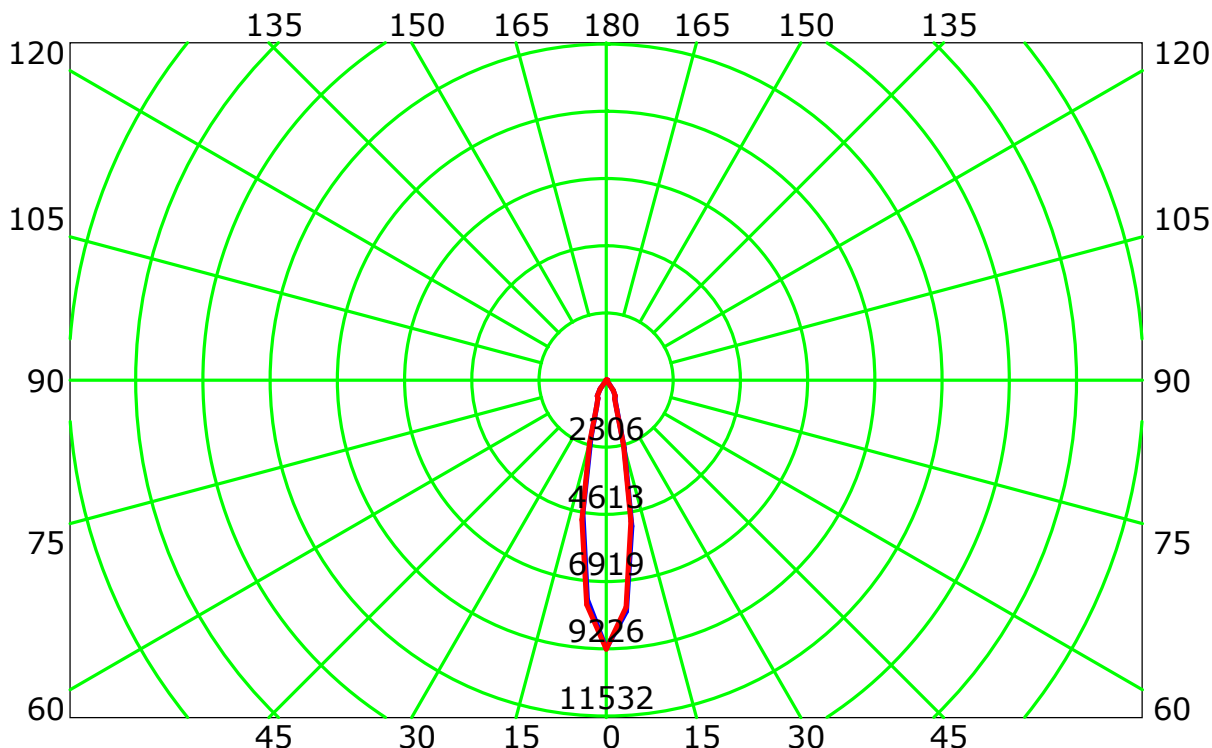
Average Diffuse Angle(50%): 21.0° Unit: cd

— 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



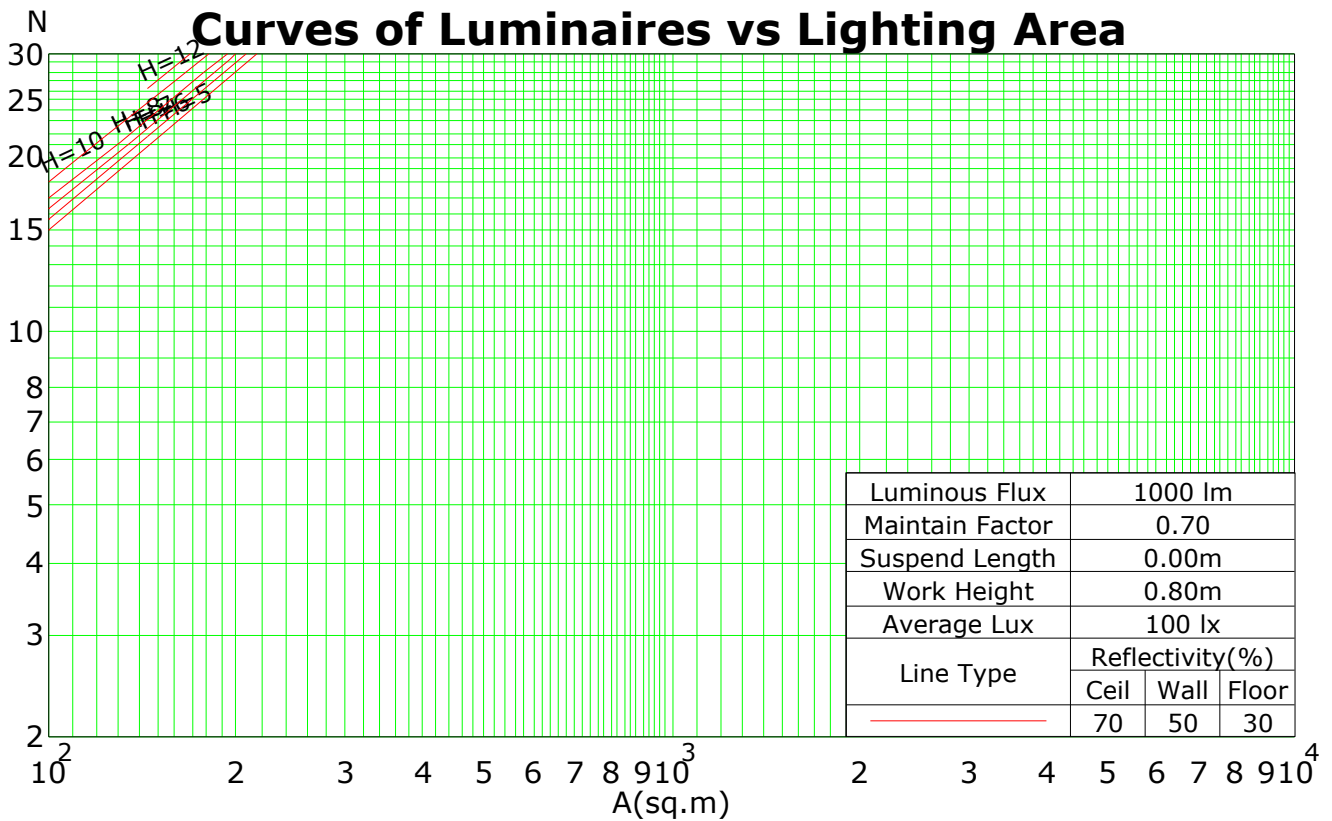
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Coefficients Of Utilization - Zonal Cavity Method

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	83	88	85	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	78	75	89	82	78	75	82	78	75	81	77	75	80	77	74	73
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	72	70	75	72	70	69

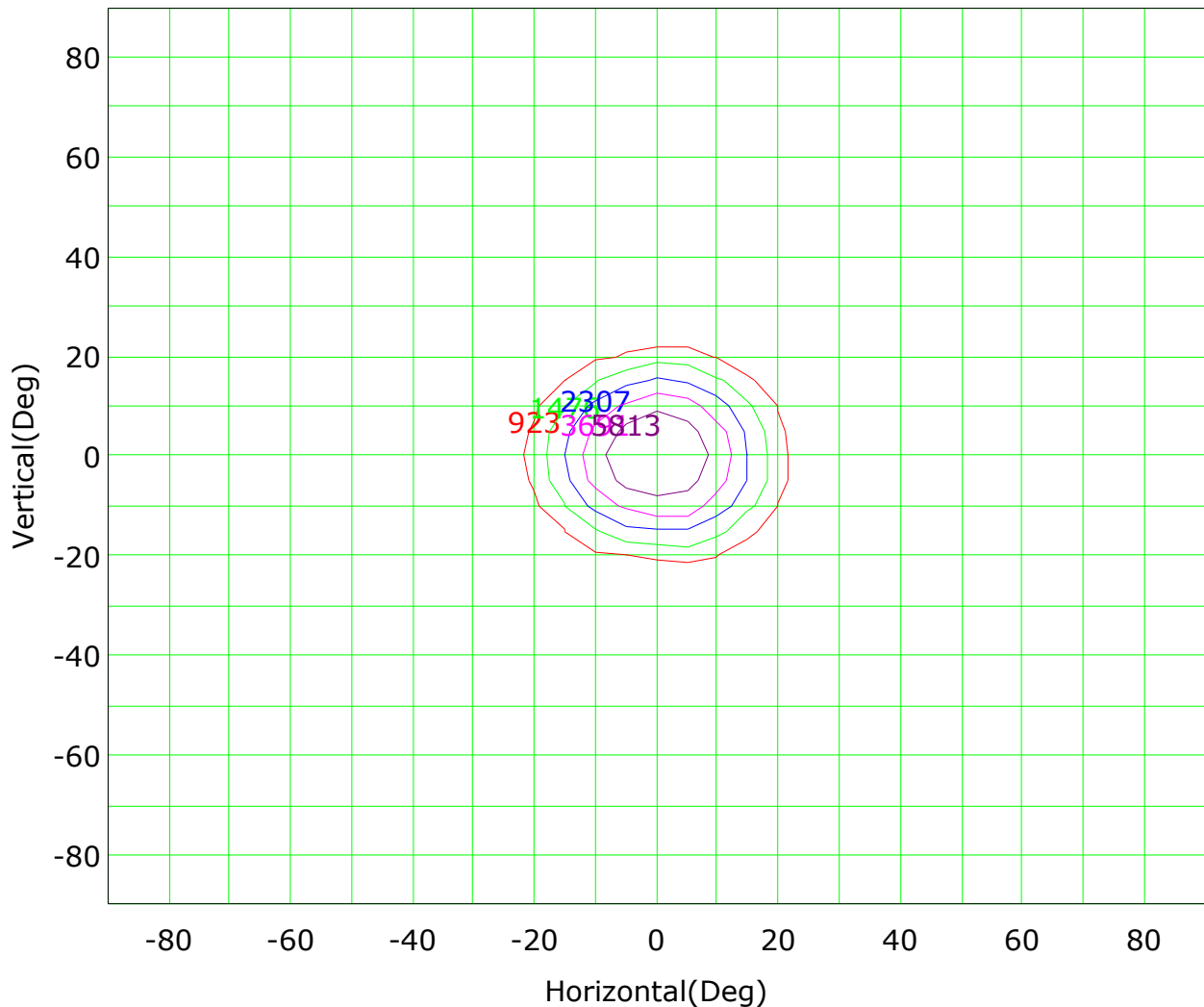
Spacing Criteria (0-180): 0.36
 Spacing Criteria (90-270): 0.36
 Spacing Criteria (Diagonal): 0.36



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Isocandela (rectangle)



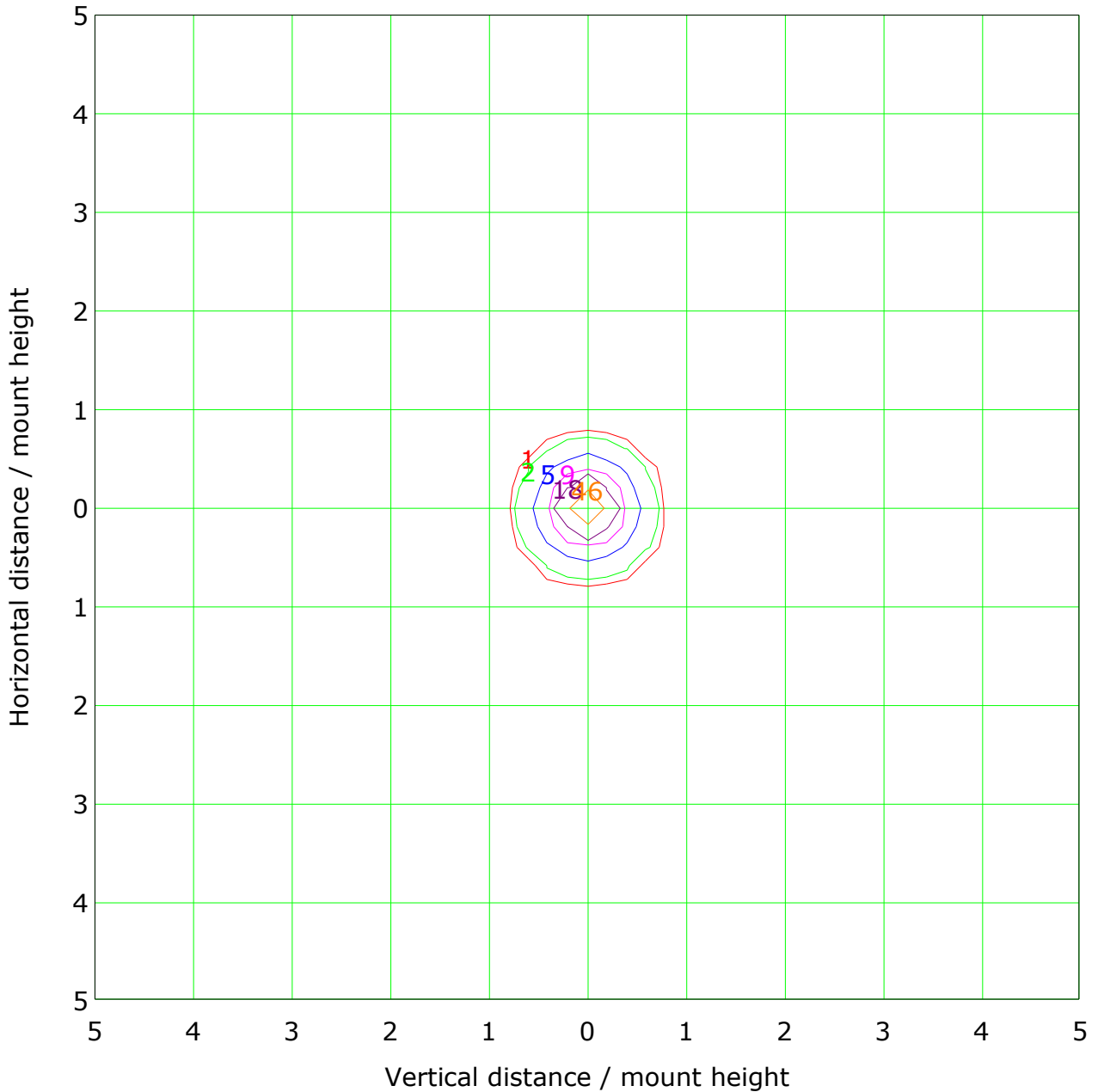
Imax (100%): 9226 cd

— (10%): 923 cd	— (16%): 1476 cd
— (25%): 2307 cd	— (40%): 3691 cd
— (63%): 5813 cd	— (100%): 9226 cd

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IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 92.3 lx	
— (1%):	0.9 lx	— (2%):	1.8 lx
— (5%):	4.6 lx	— (10%):	9.2 lx
— (20%):	18.5 lx	— (50%):	46.1 lx
— (100%):	92.3 lx		

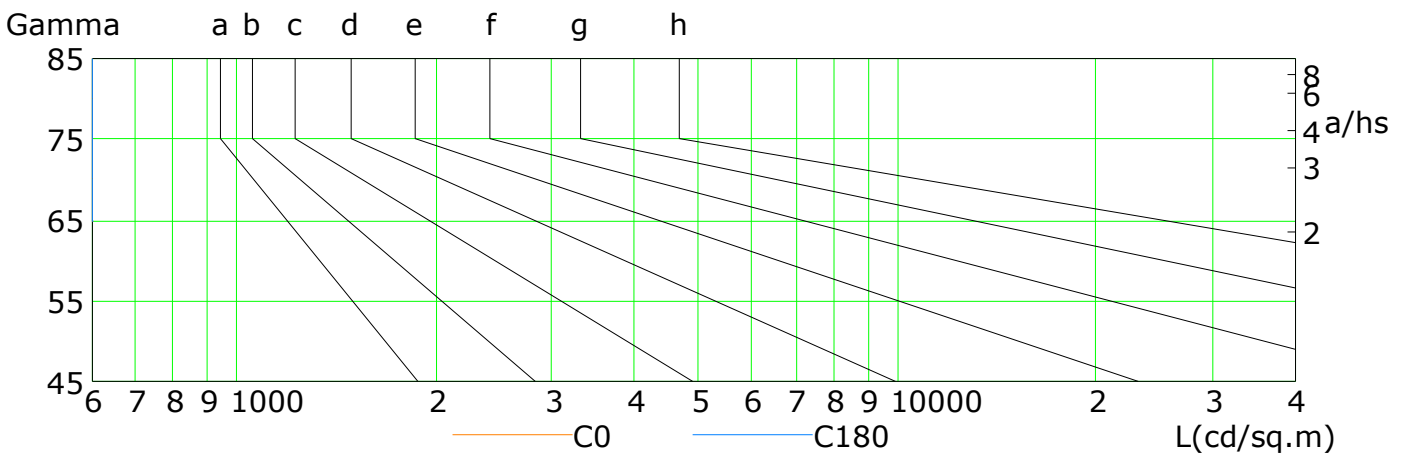
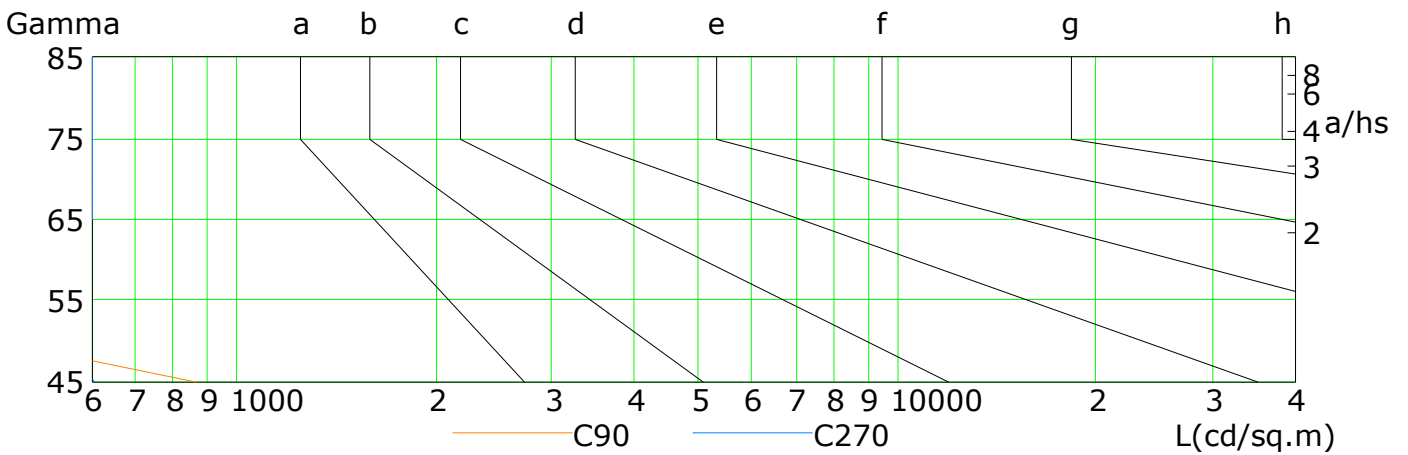
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
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

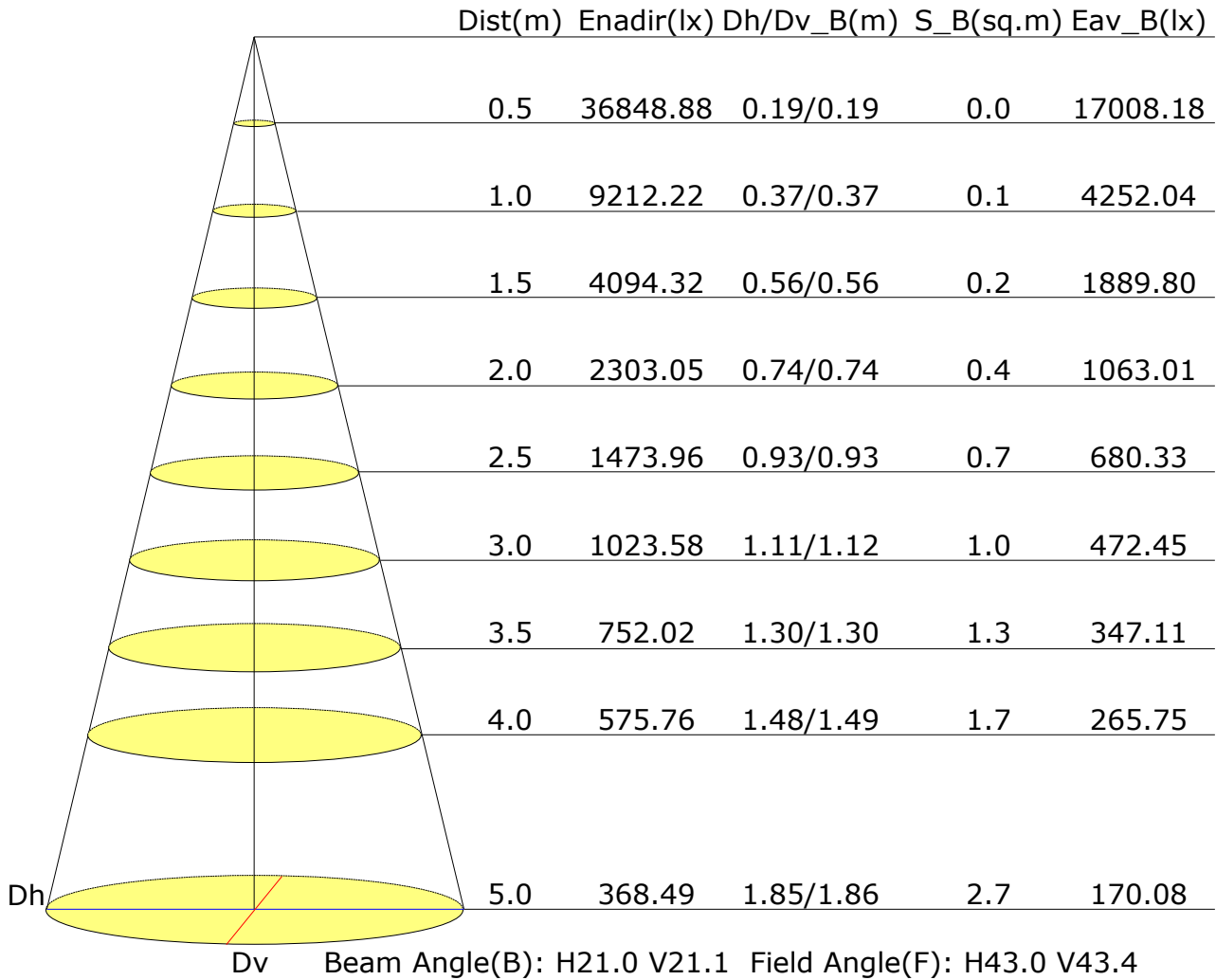


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	423	323	197	71	0	0	0	0	0
C90	870	410	212	55	0	0	0	0	0
C180	447	347	181	32	0	0	0	0	0
C270	607	347	181	47	0	0	0	0	0

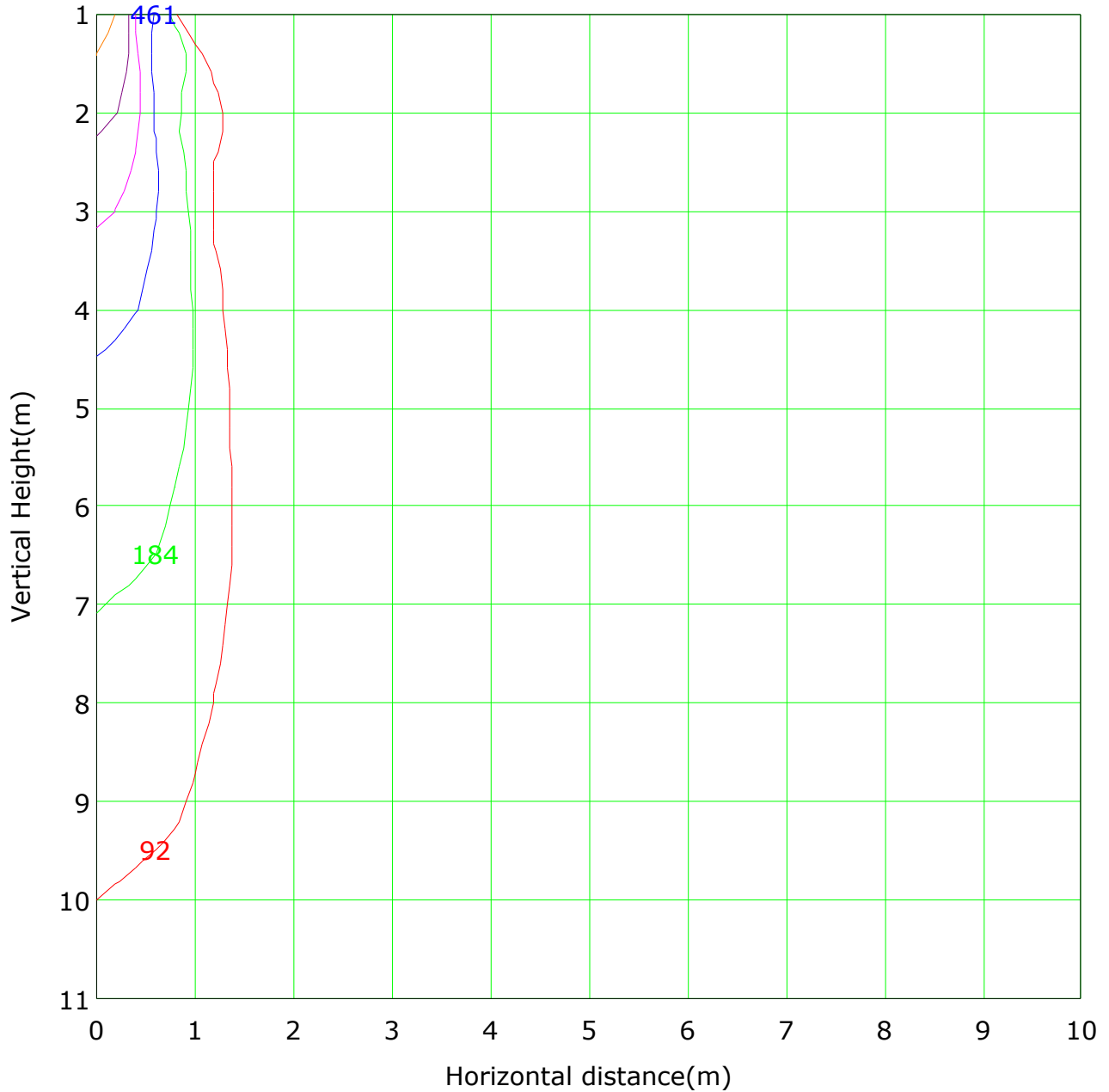
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Illuminance at a Distance



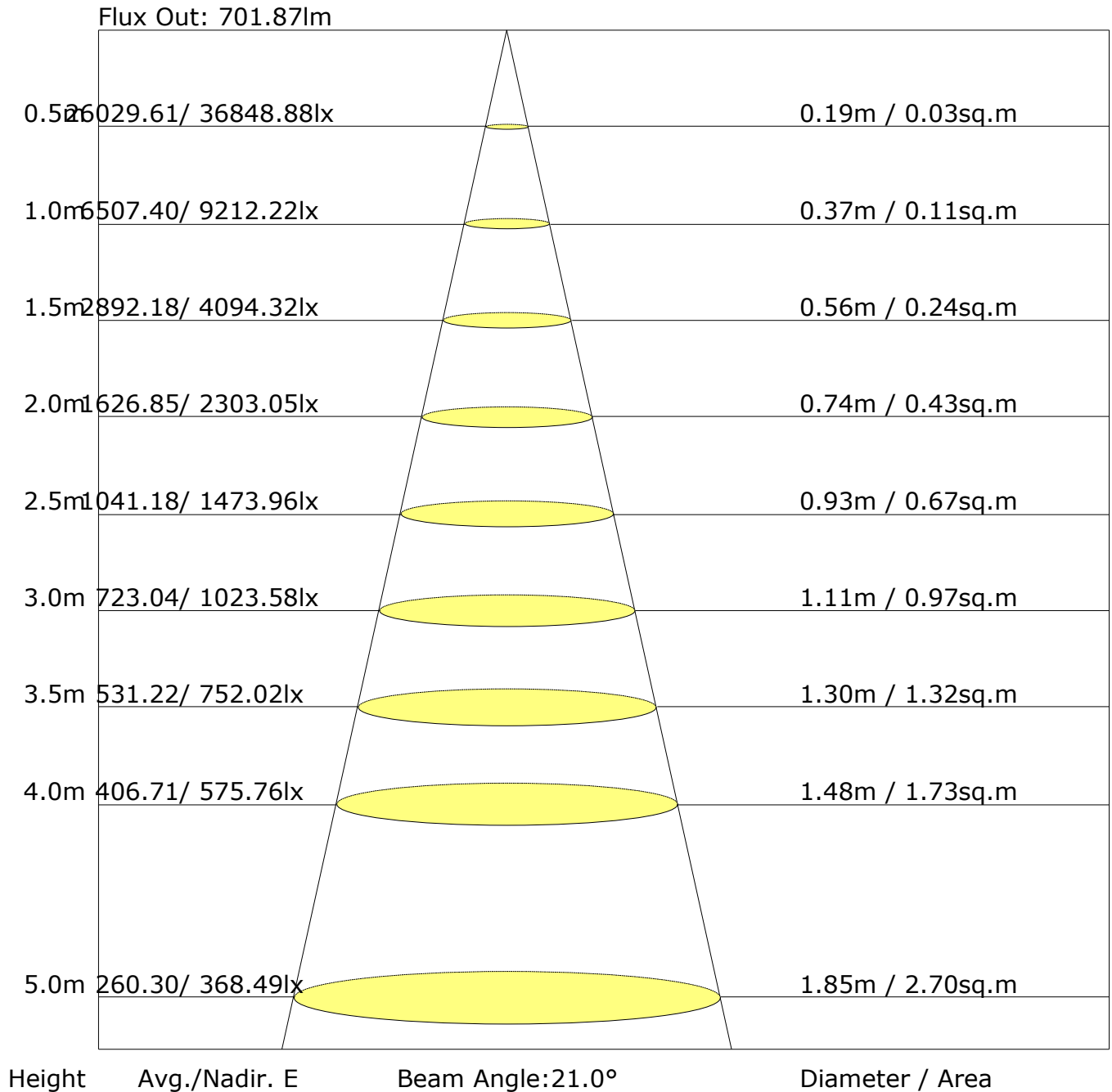
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 9212.2 lx

— (1%): 92.1 lx	— (2%): 184.2 lx
— (5%): 460.6 lx	— (10%): 921.2 lx
— (20%): 1842.4 lx	— (50%): 4606.1 lx
— (100%): 9212.2 lx	

The Average Illuminance Effective Figure



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