

Report No.: 1

Test Time: 2017-01-06 14:50

## Luminaire Property

Luminaire Category: 0123.W.A931.6  
Luminaire Description: 60056  
Length (mm): 202  
Height (mm): 10  
Current: 0.140 A  
Power Factor: 0.971

Luminaire Manufacturer: Brasled  
Width (mm): 202  
Voltage: 230.1 V  
Power: 31.24 W

## Photometric Results

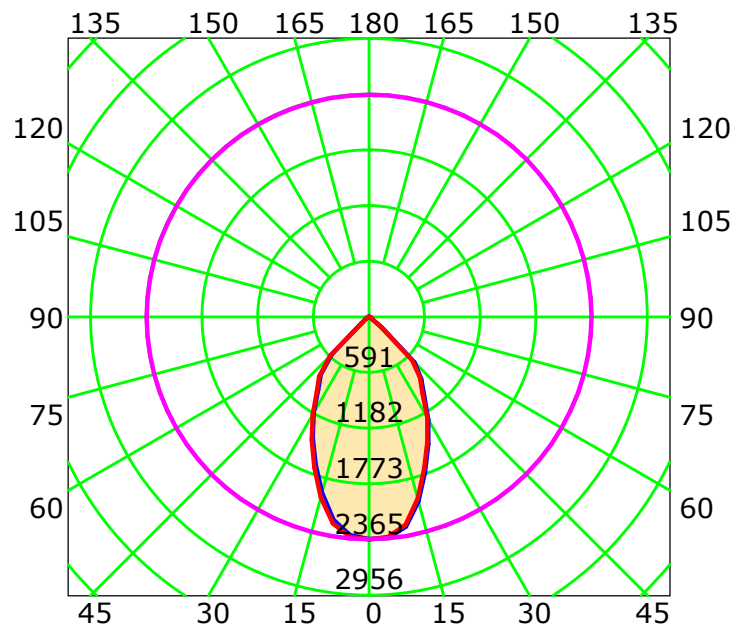
CIE Class: Direct  
Measurement Flux: 2607.1 lm  
Downward Ratio: 100%  
Field Angle: H98.1 V97.9  
Luminaire Efficacy Rating (LER): 83  
Max. Intensity: 2365.21 cd

Total Rated Lamp Lumens: 2607.1 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H61.6 V61.5  
Central Intensity: 2360.74 cd  
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



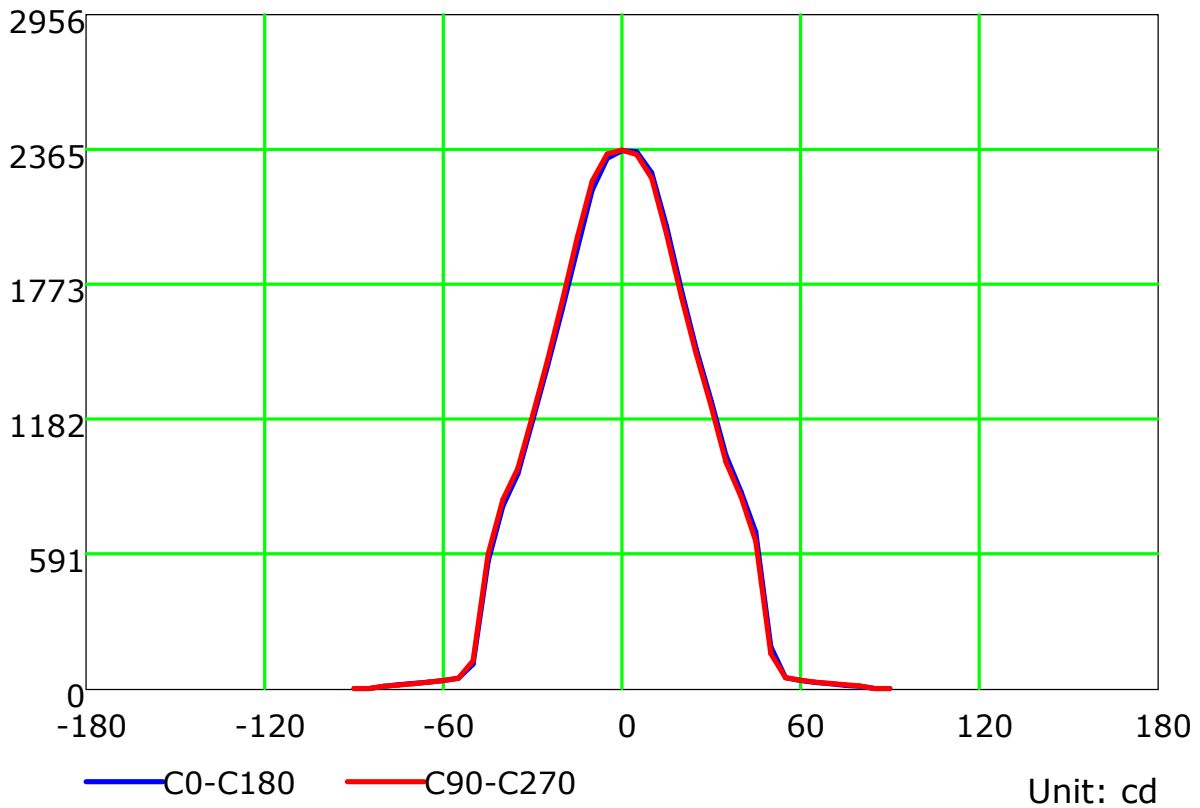
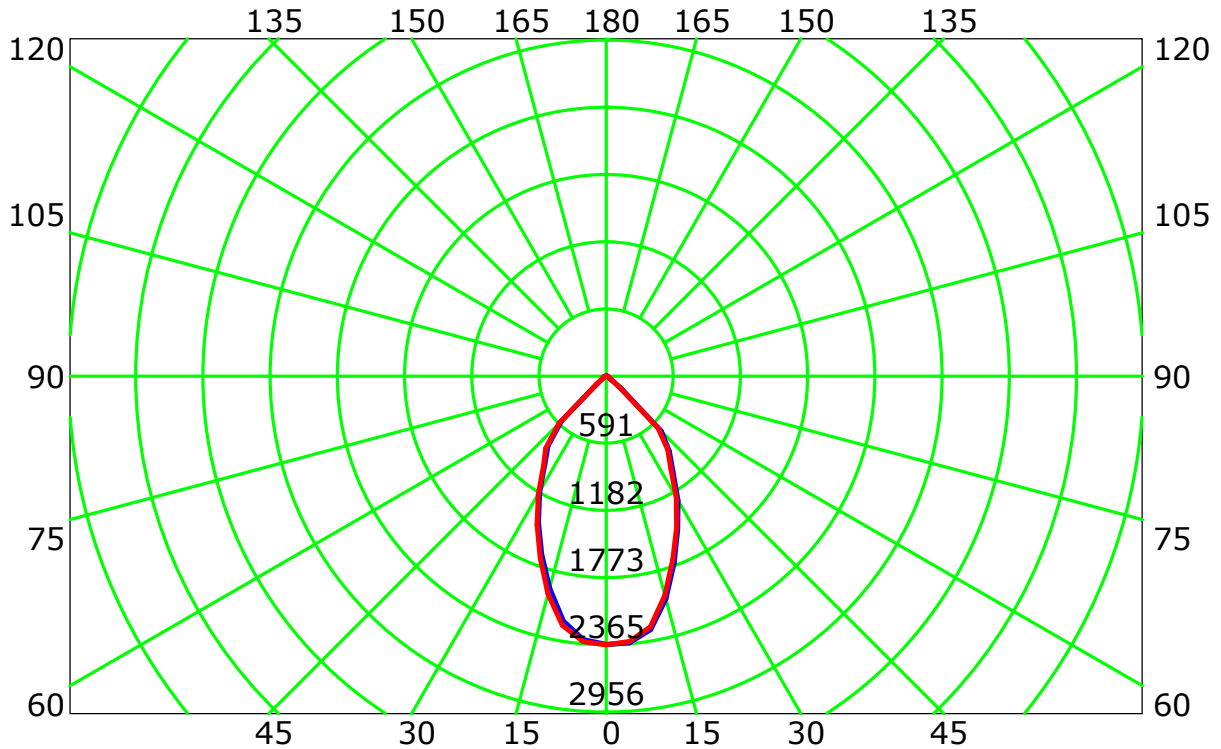
Average Diffuse Angle(50%): 61.6° Unit: cd

— 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



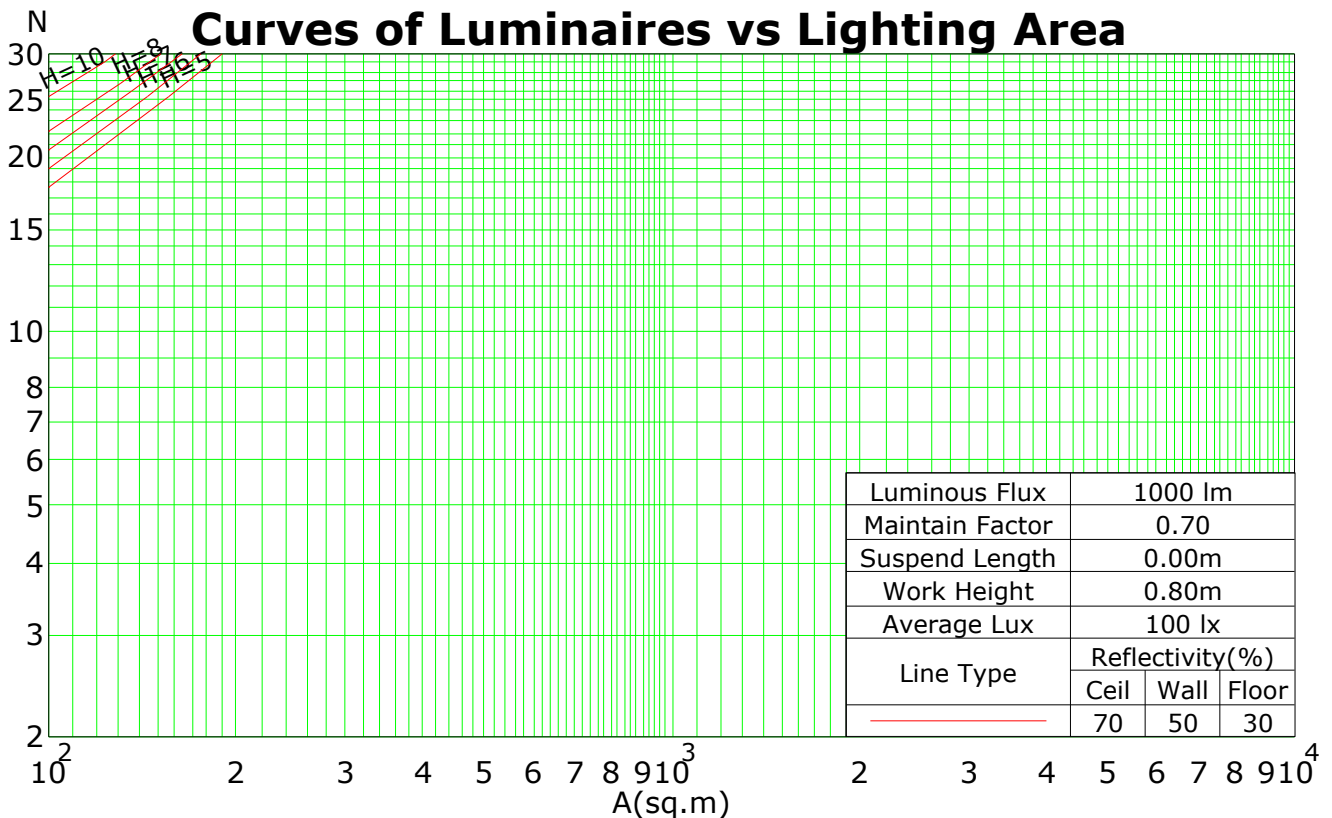
C Plane (°):0.0-360.0: 22.5  
 Test Lab: Brasled  
 Test Type: TYPE C  
 Temperature: 26  
 Operator:

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: LSG-1200A  
 Distance: 1.0 m  
 Humidity: 60  
 Inspector:

## 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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	56	65	60	56	64	59	56	54
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43

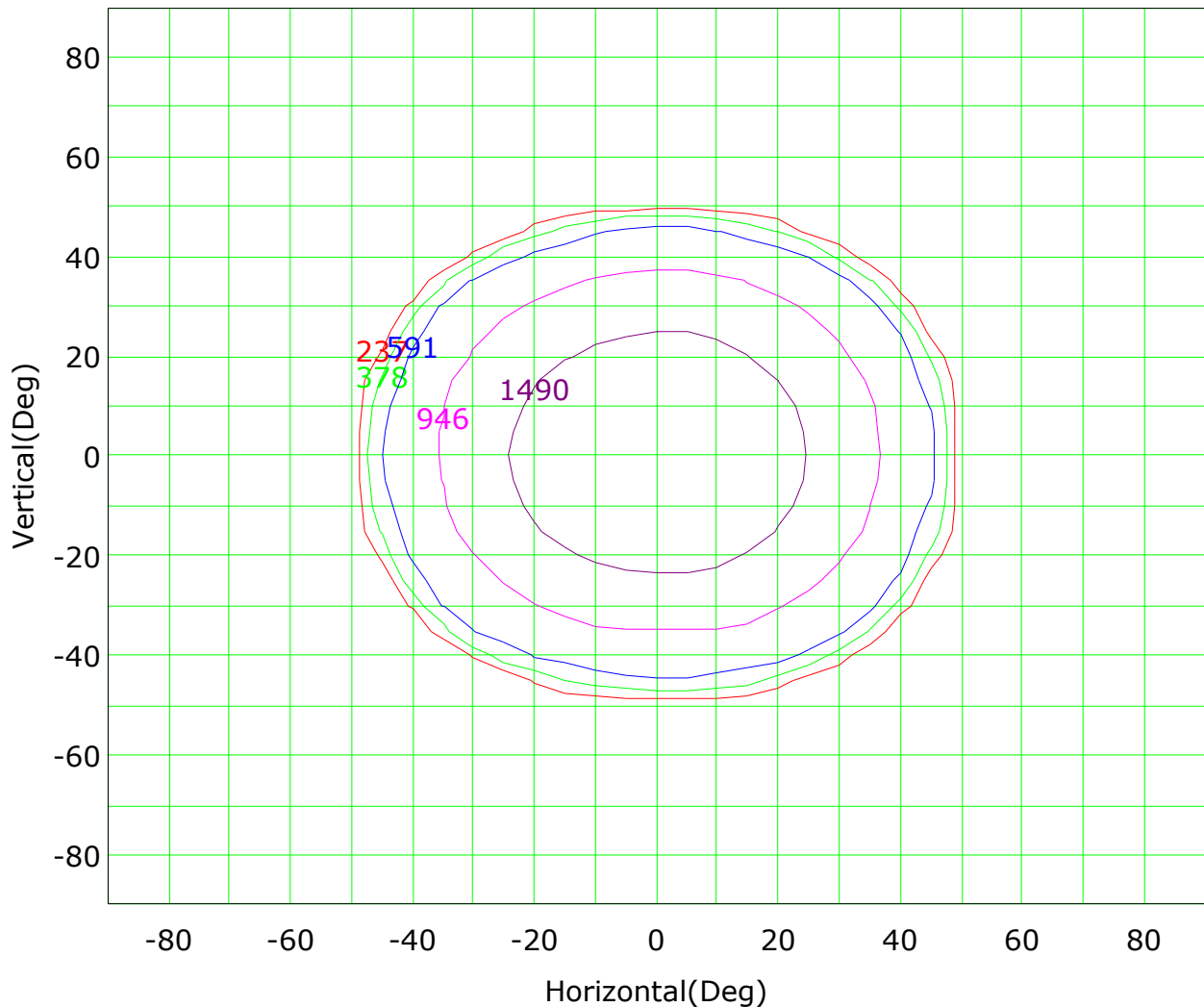
Spacing Criteria (0-180): 0.87  
 Spacing Criteria (90-270): 0.87  
 Spacing Criteria (Diagonal): 0.95



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:

## Isocandela (rectangle)



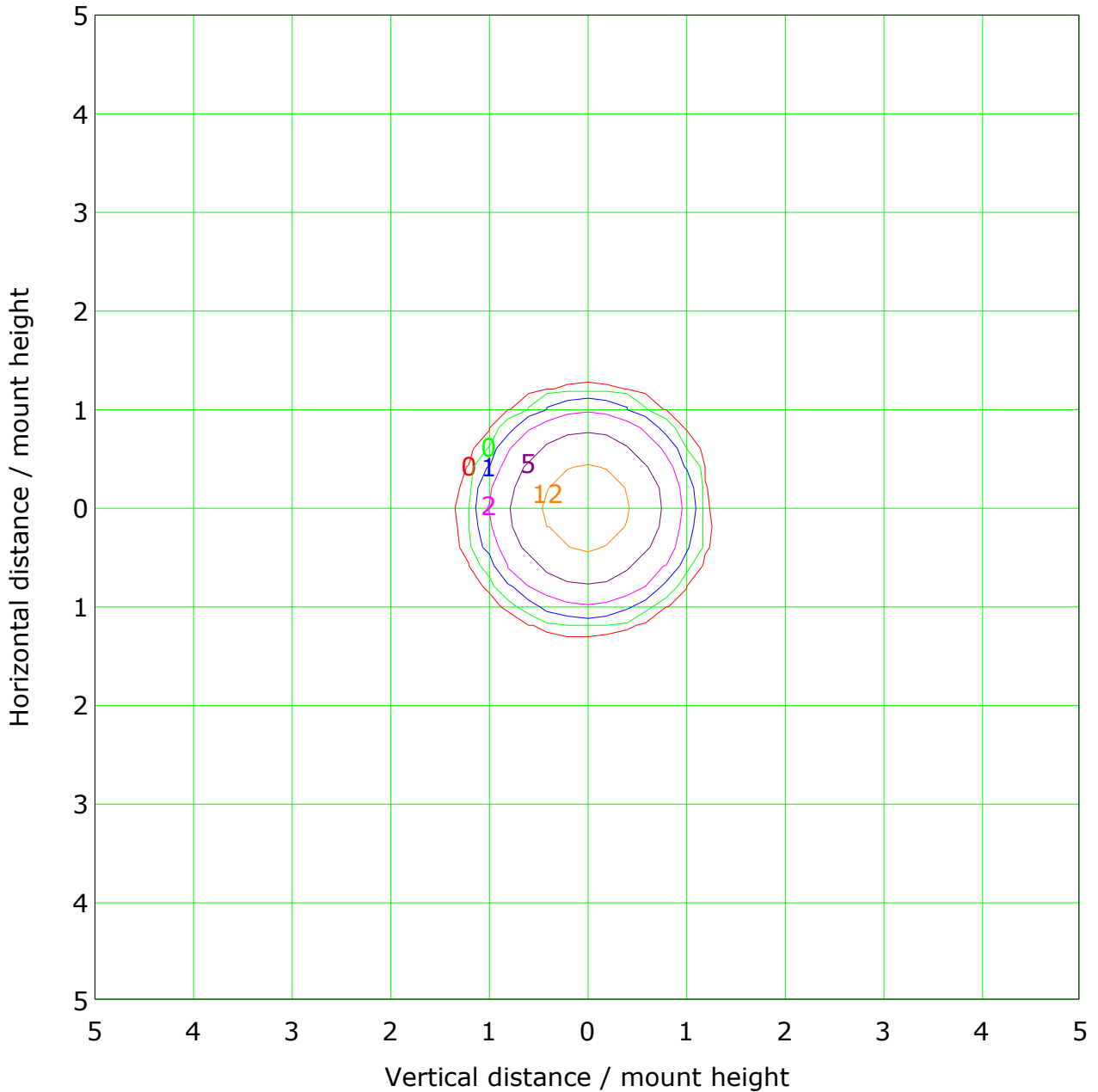
Imax (100%): 2365 cd

( 10%): 237 cd	( 16%): 378 cd
( 25%): 591 cd	( 40%): 946 cd
( 63%): 1490 cd	(100%): 2365 cd

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:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 23.7 lx

— ( 1%): 0.2 lx	— ( 2%): 0.5 lx
— ( 5%): 1.2 lx	— (10%): 2.4 lx
— (20%): 4.7 lx	— (50%): 11.8 lx
— (100%): 23.7 lx	

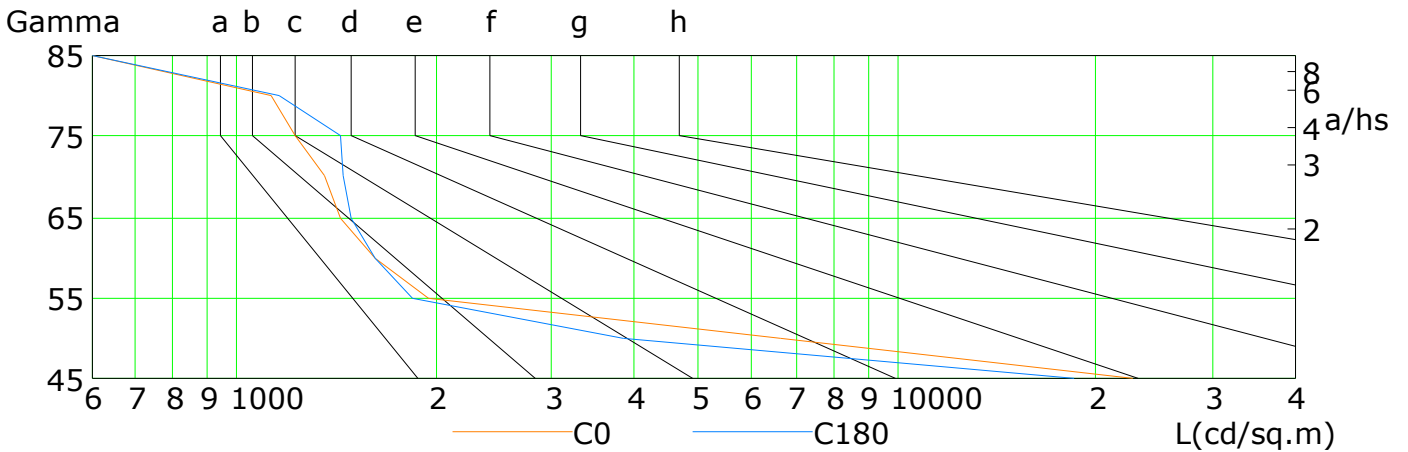
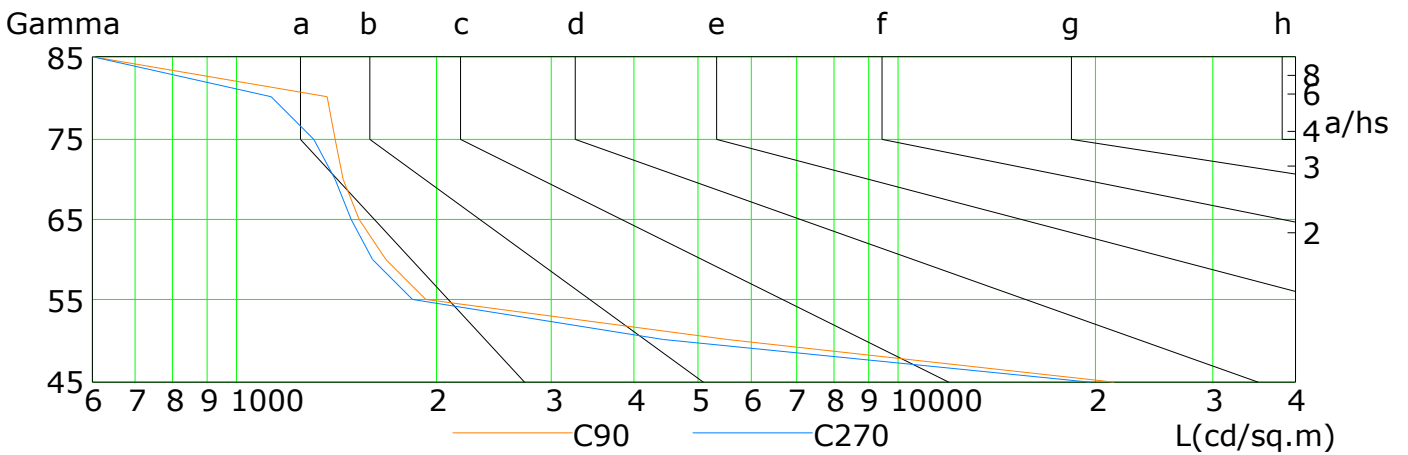
C Plane (°):0.0-360.0: 22.5  
 Test Lab: Brasled  
 Test Type: TYPE C  
 Temperature: 26  
 Operator:

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: LSG-1200A  
 Distance: 1.0 m  
 Humidity: 60  
 Inspector:

## 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

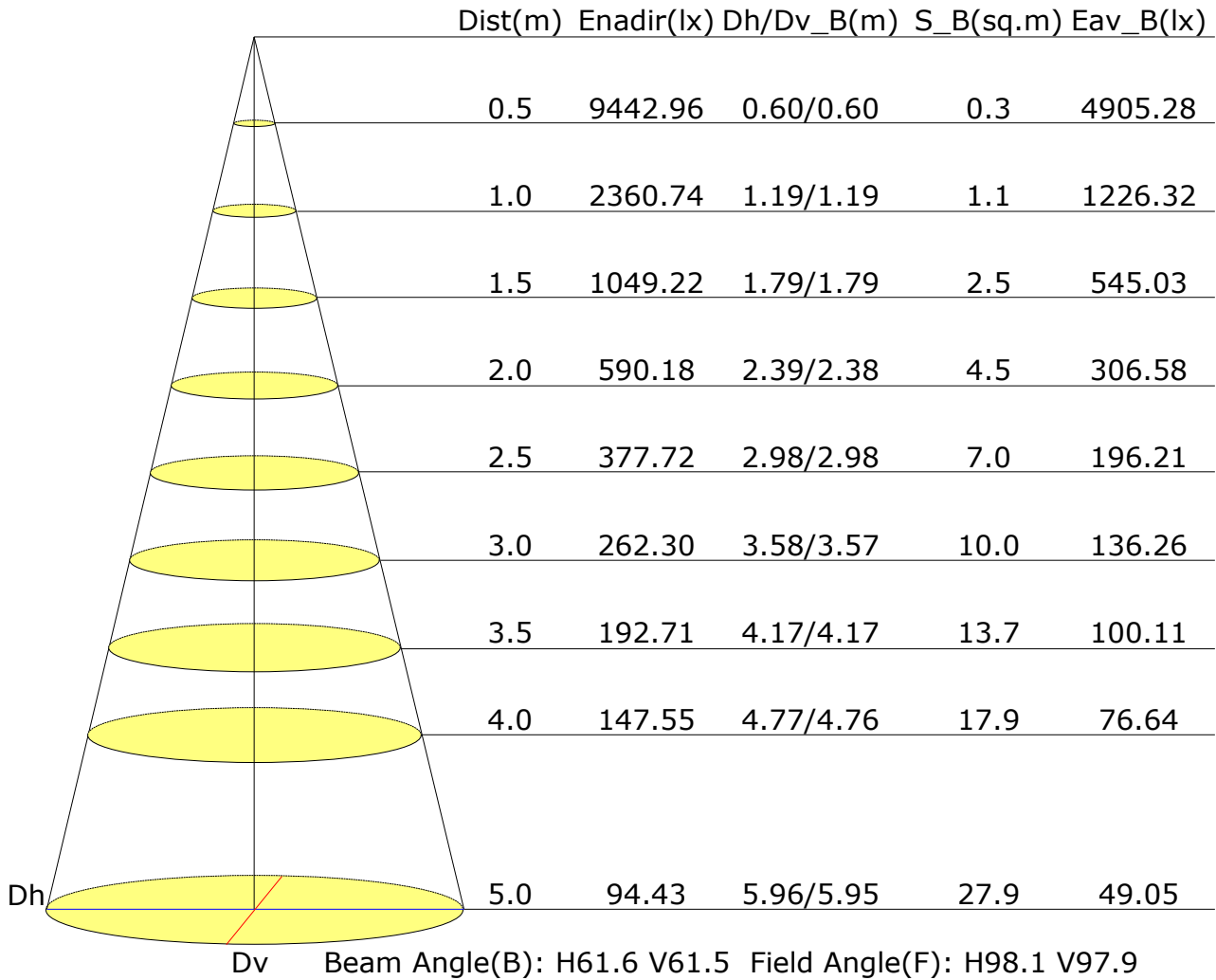


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	22682	6650	1948	1613	1439	1348	1224	1125	0
C90	21376	5513	1922	1671	1522	1449	1403	1371	0
C180	18447	3848	1846	1613	1488	1449	1428	1160	0
C270	19511	4433	1846	1599	1488	1408	1300	1125	0

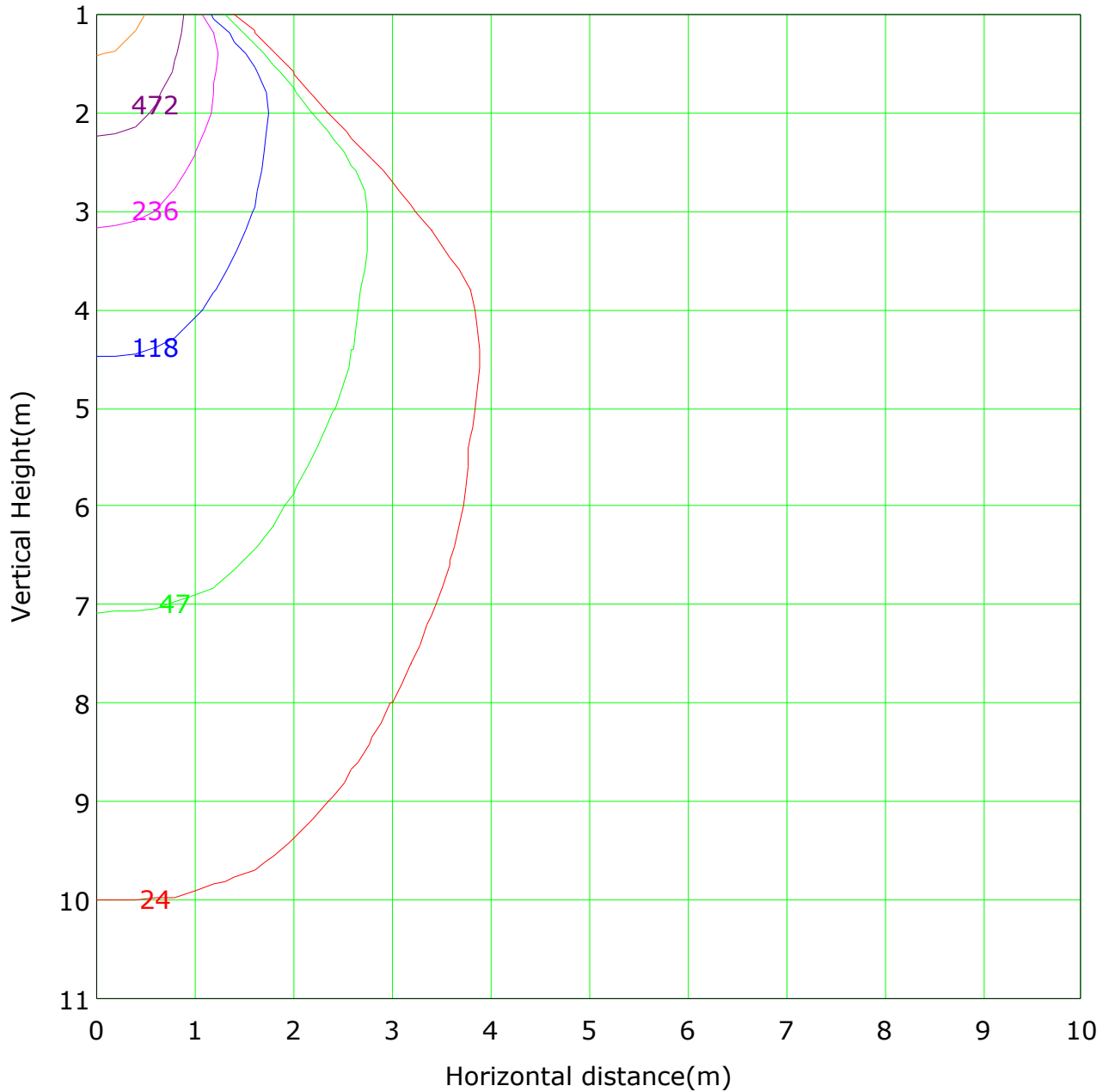
C Plane (°):0.0-360.0: 22.5  
 Test Lab: Brasled  
 Test Type: TYPE C  
 Temperature: 26  
 Operator:

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: LSG-1200A  
 Distance: 1.0 m  
 Humidity: 60  
 Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

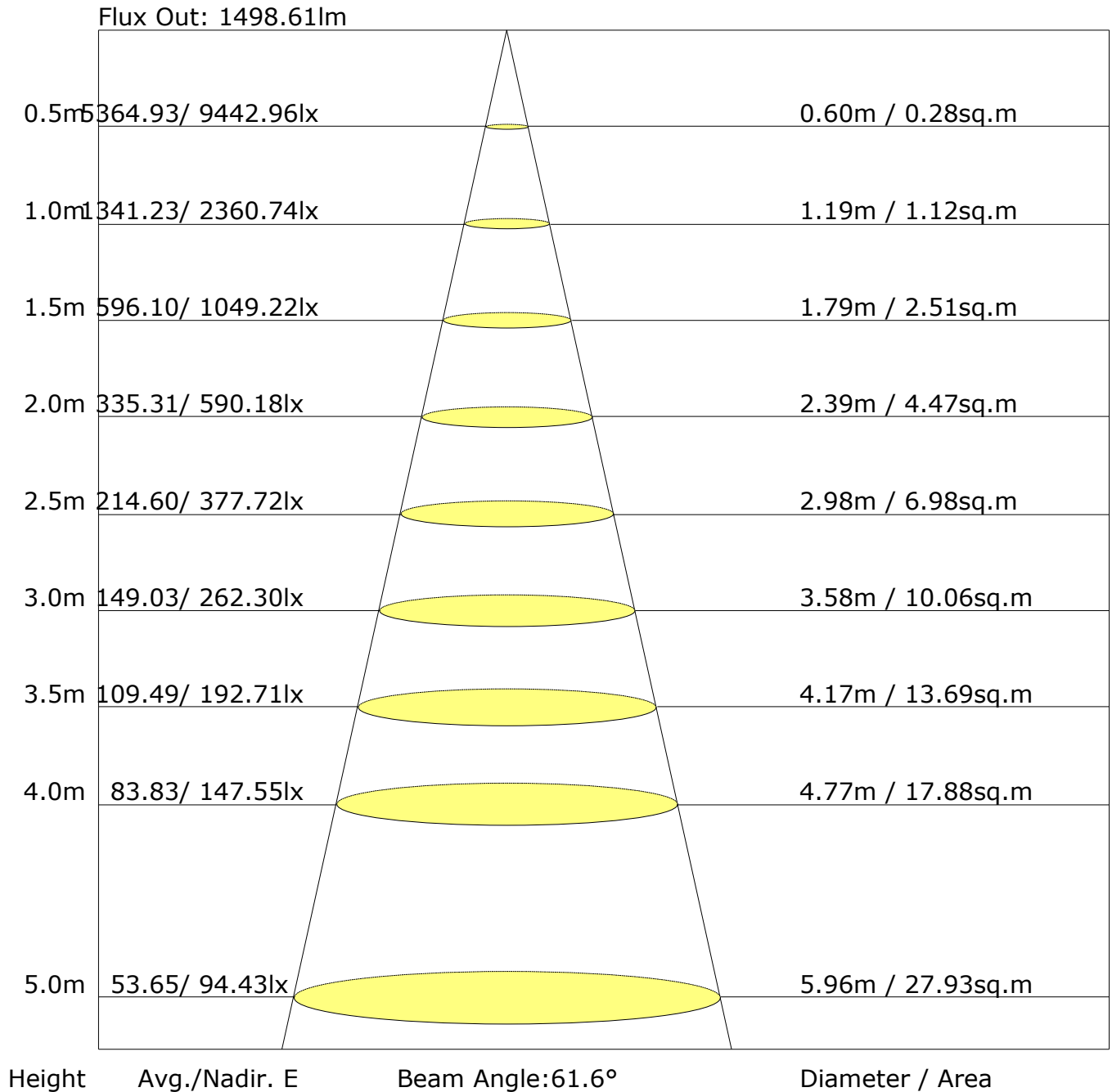


Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 2360.7 lx

— ( 1%): 23.6 lx	— ( 2%): 47.2 lx
— ( 5%): 118.0 lx	— ( 10%): 236.1 lx
— ( 20%): 472.1 lx	— ( 50%): 1180.4 lx
— (100%): 2360.7 lx	



## The Average Illuminance Effective Figure



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: