

Report No.: 1

Test Time: 2017-01-06 08:53

Luminaire Property

Luminaire Category: 0121.W.A531.6
Luminaire Description: 60075
Length (mm): 140
Height (mm): 7
Current: 0.111 A
Power Factor: 0.974

Luminaire Manufacturer: Brasled
Width (mm): 140
Voltage: 230.2 V
Power: 24.82 W

Photometric Results

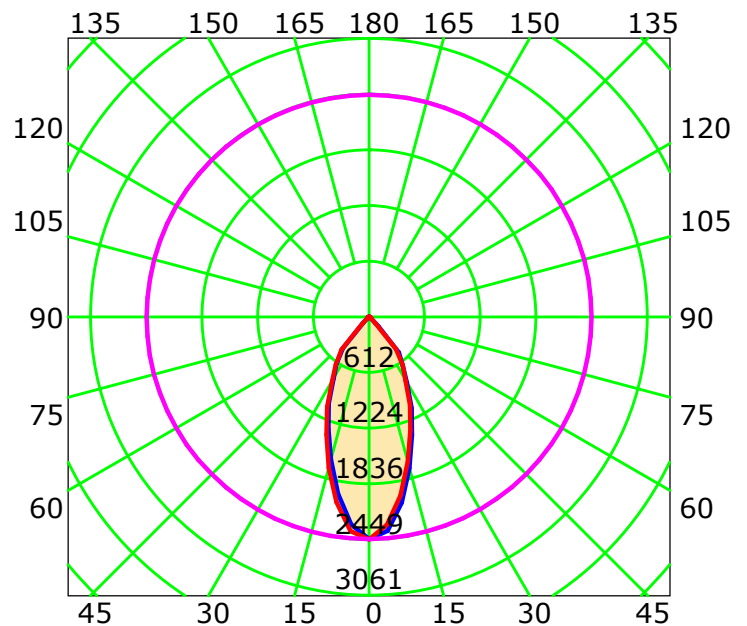
CIE Class: Direct
Measurement Flux: 1765.9 lm
Downward Ratio: 100%
Field Angle: H86.6 V86.2
Luminaire Efficacy Rating (LER): 71
Max. Intensity: 2449.27 cd

Total Rated Lamp Lumens: 1765.9 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H44.7 V44.7
Central Intensity: 2442.42 cd
Pos of Max. Intensity: H112.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



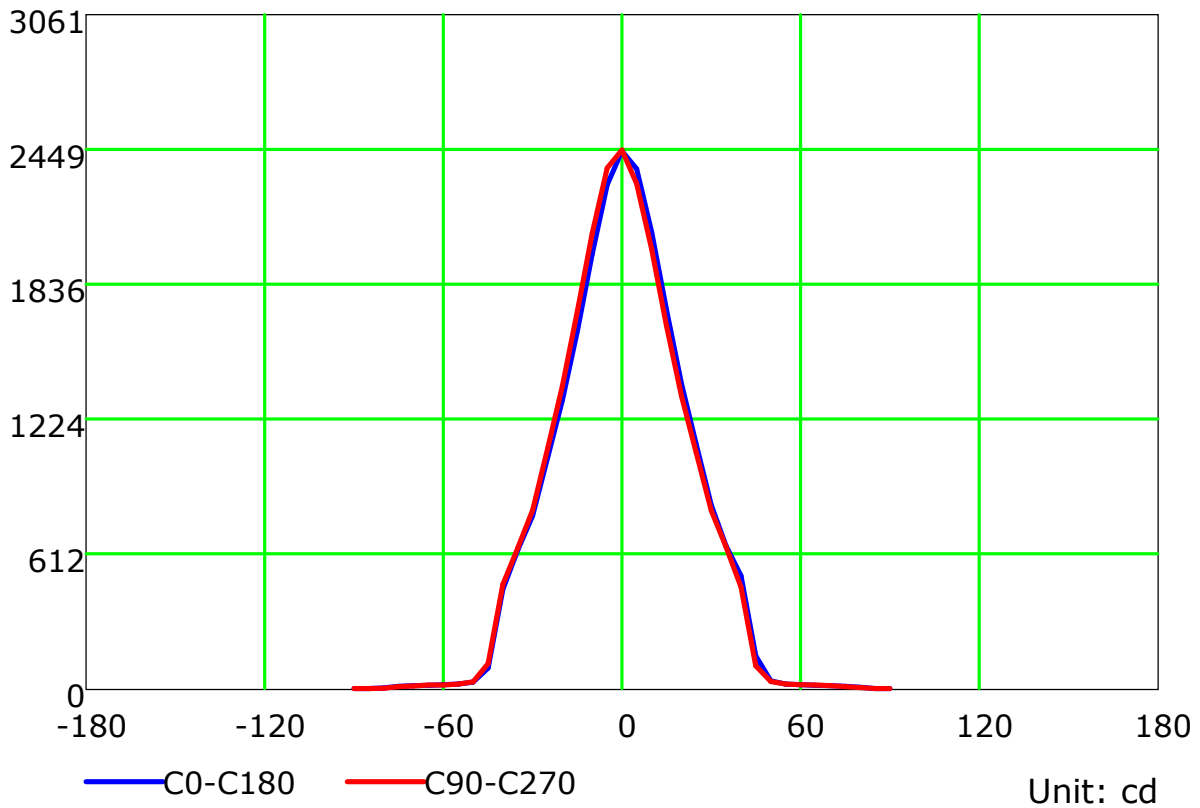
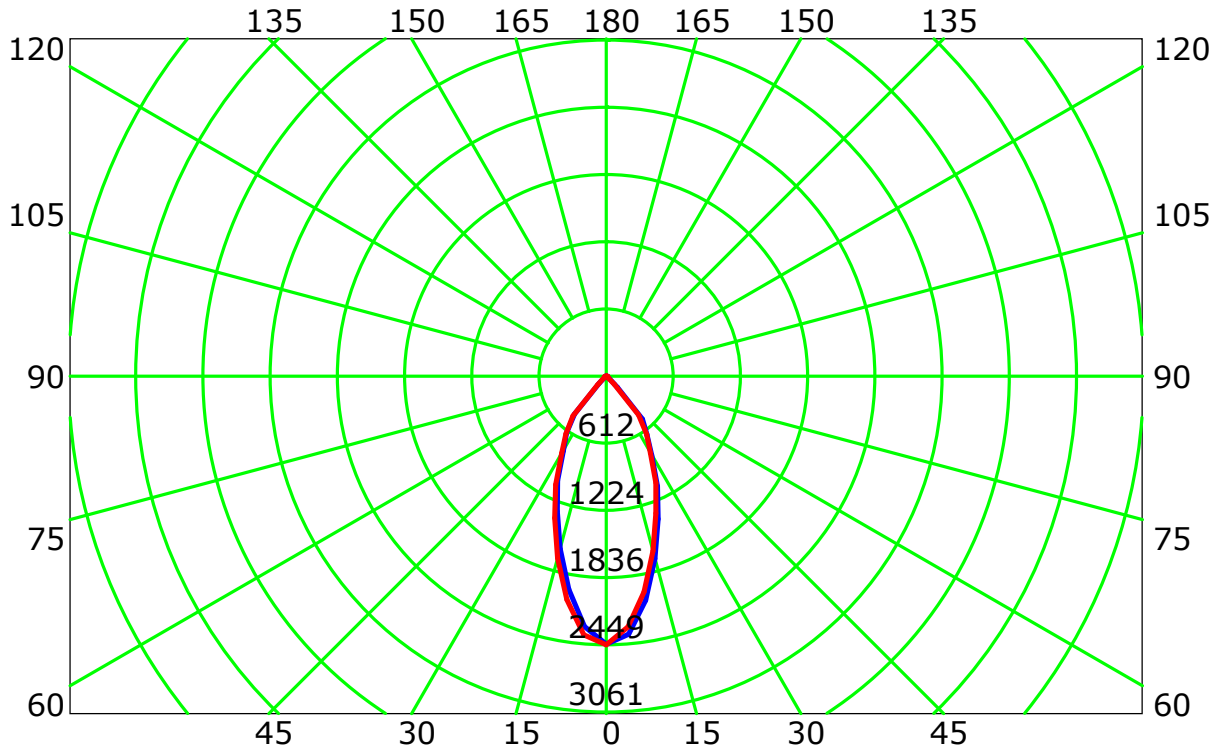
Average Diffuse Angle(50%): 44.7° Unit: cd

— 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



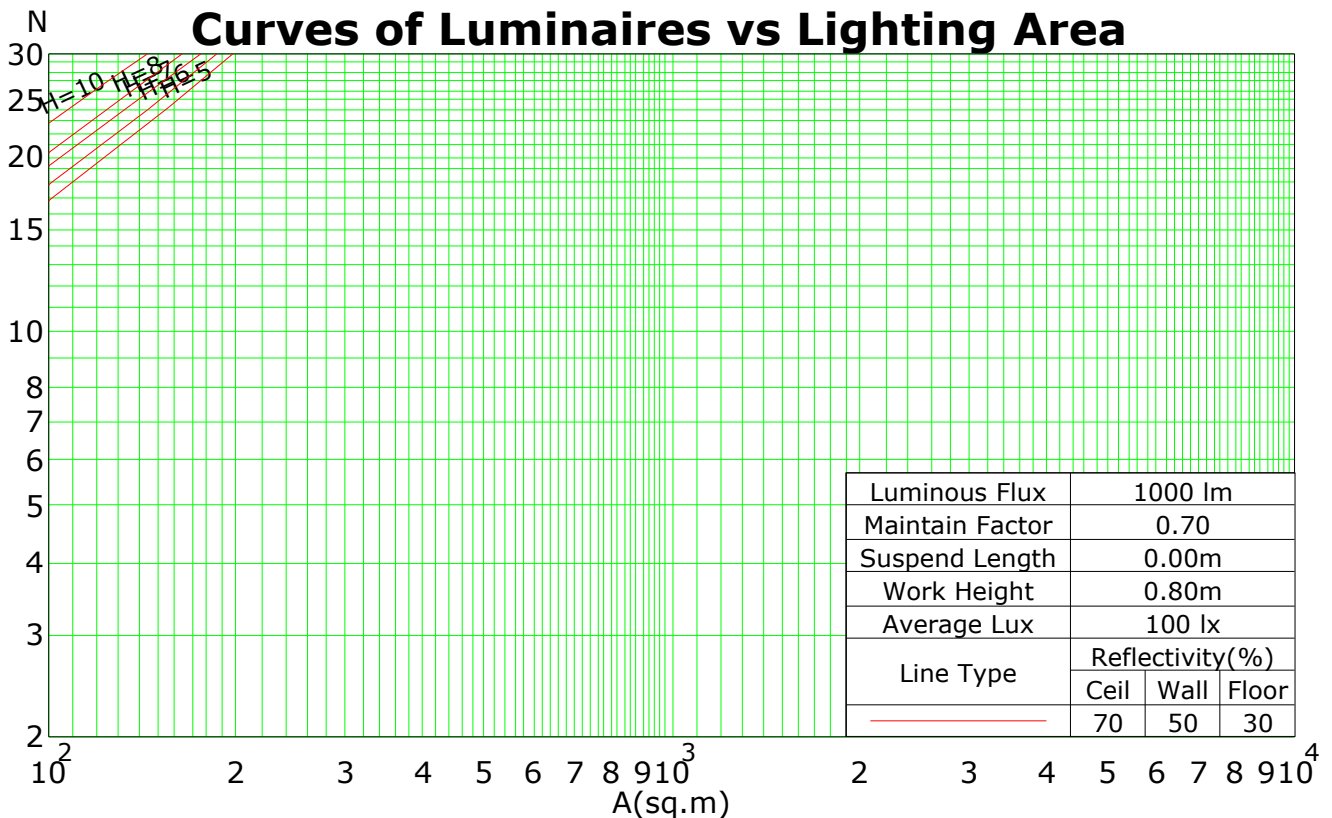
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	78	86	81	78	84	80	77	82	78	76	74
5	92	83	77	73	90	82	77	72	80	76	72	79	75	71	77	74	71	69
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	62	56	52	70	61	56	52	60	55	52	60	55	51	59	54	51	50

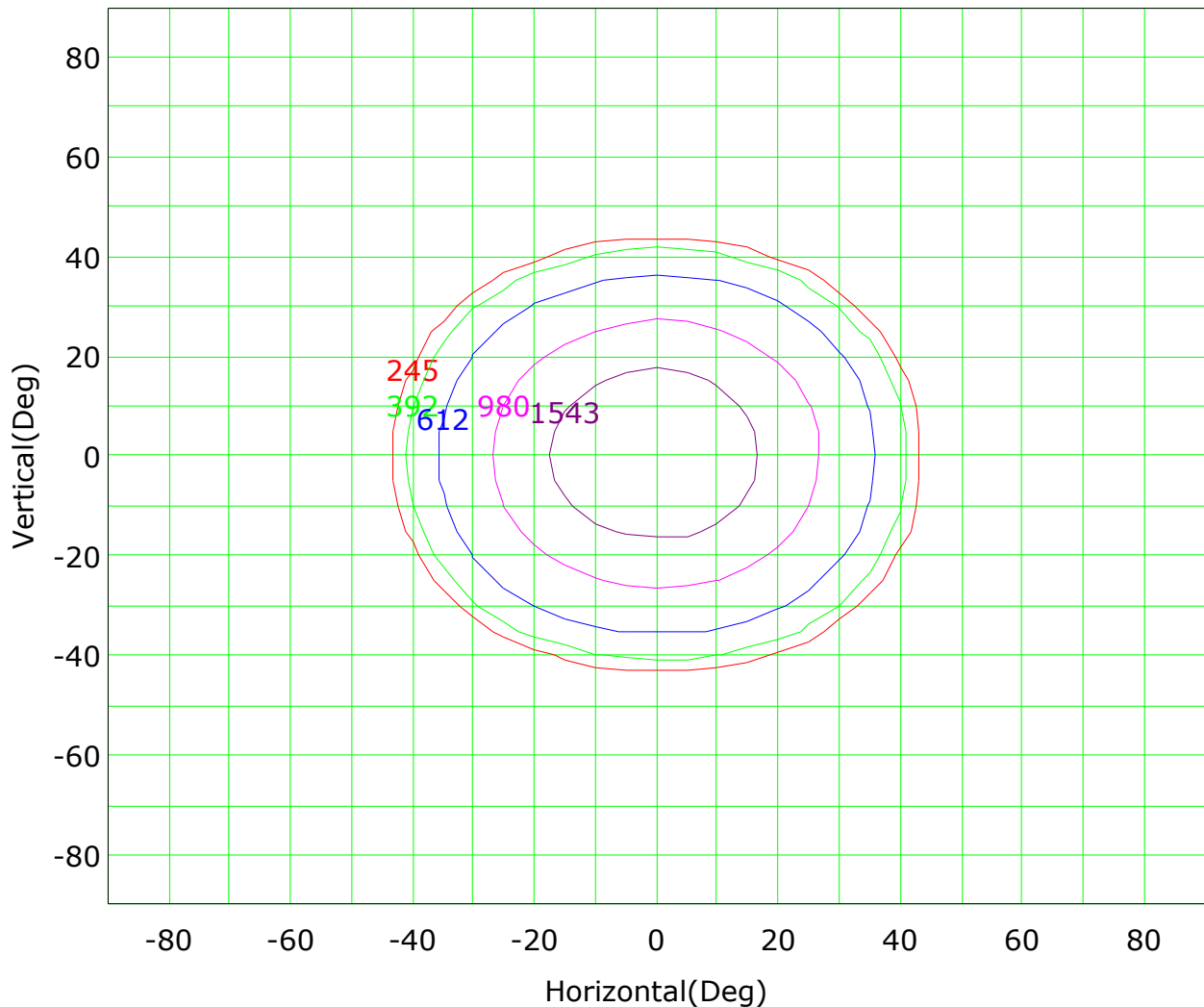
Spacing Criteria (0-180): 0.68
 Spacing Criteria (90-270): 0.68
 Spacing Criteria (Diagonal): 0.76



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)



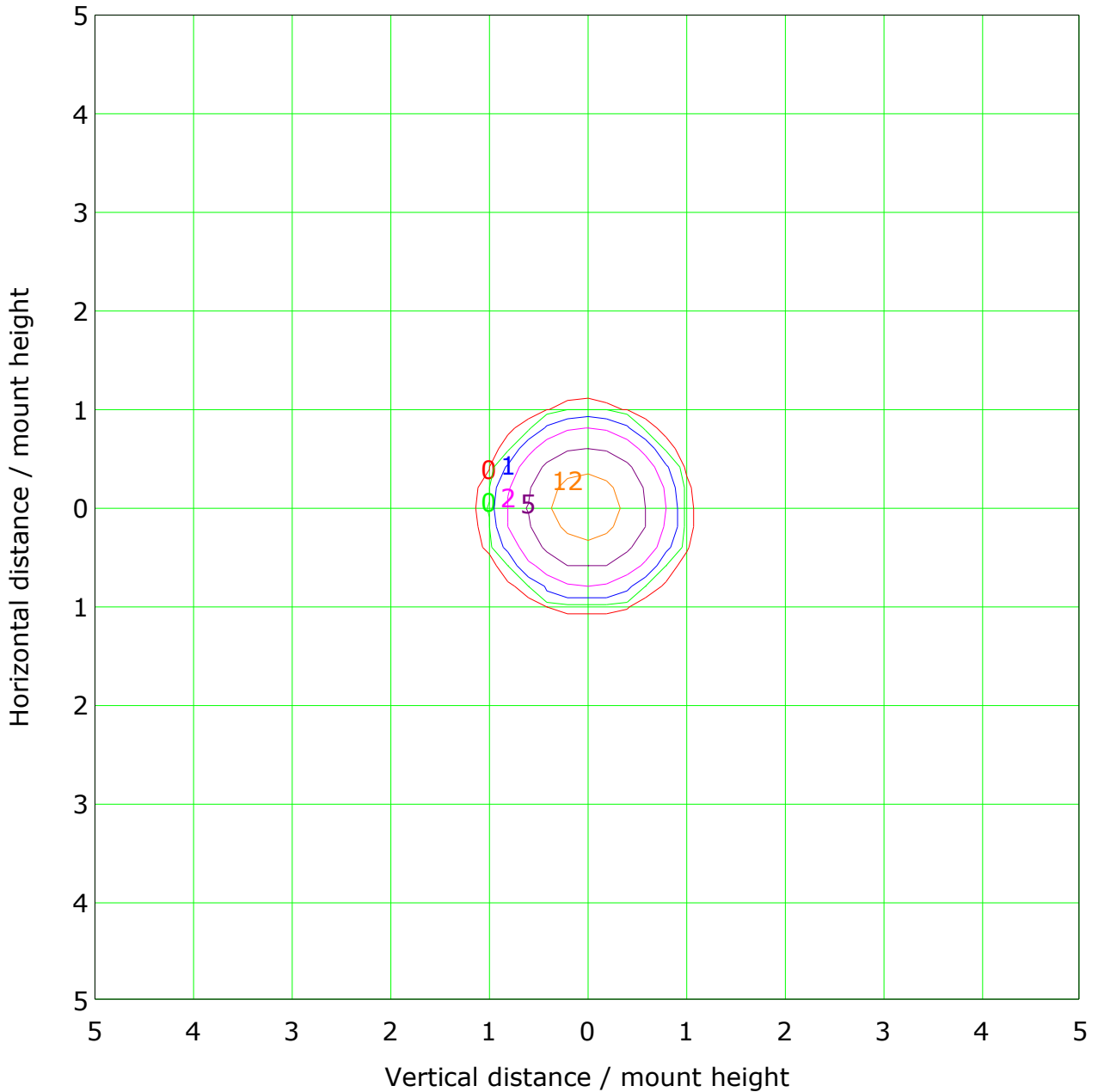
Imax (100%): 2449 cd

— (10%): 245 cd	— (16%): 392 cd
— (25%): 612 cd	— (40%): 980 cd
— (63%): 1543 cd	— (100%): 2449 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%): 24.5 lx

— (1%): 0.2 lx	— (2%): 0.5 lx
— (5%): 1.2 lx	— (10%): 2.4 lx
— (20%): 4.9 lx	— (50%): 12.2 lx
— (100%): 24.5 lx	

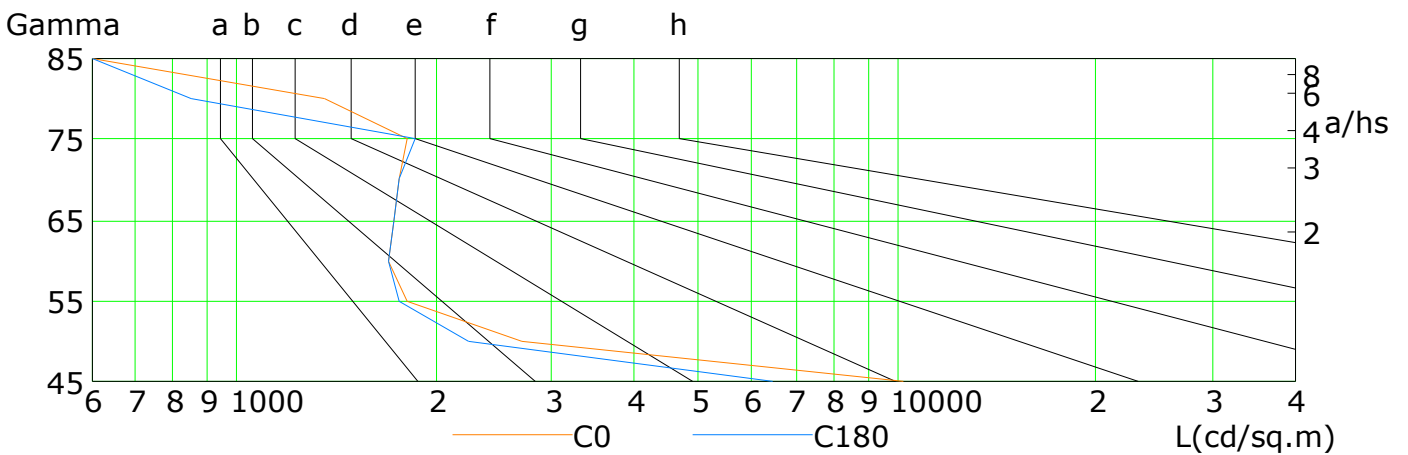
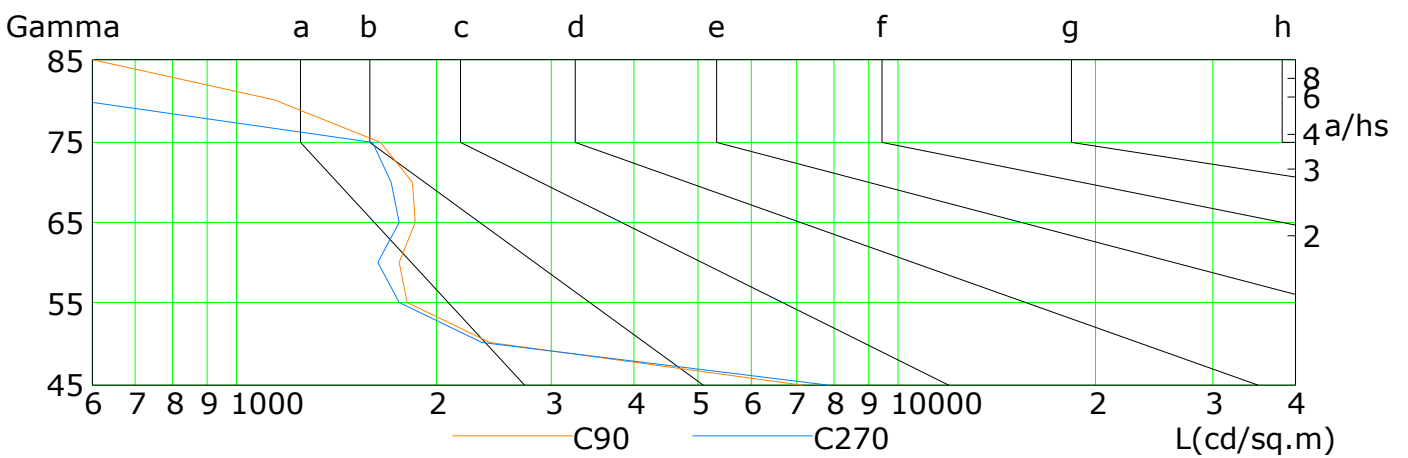
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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

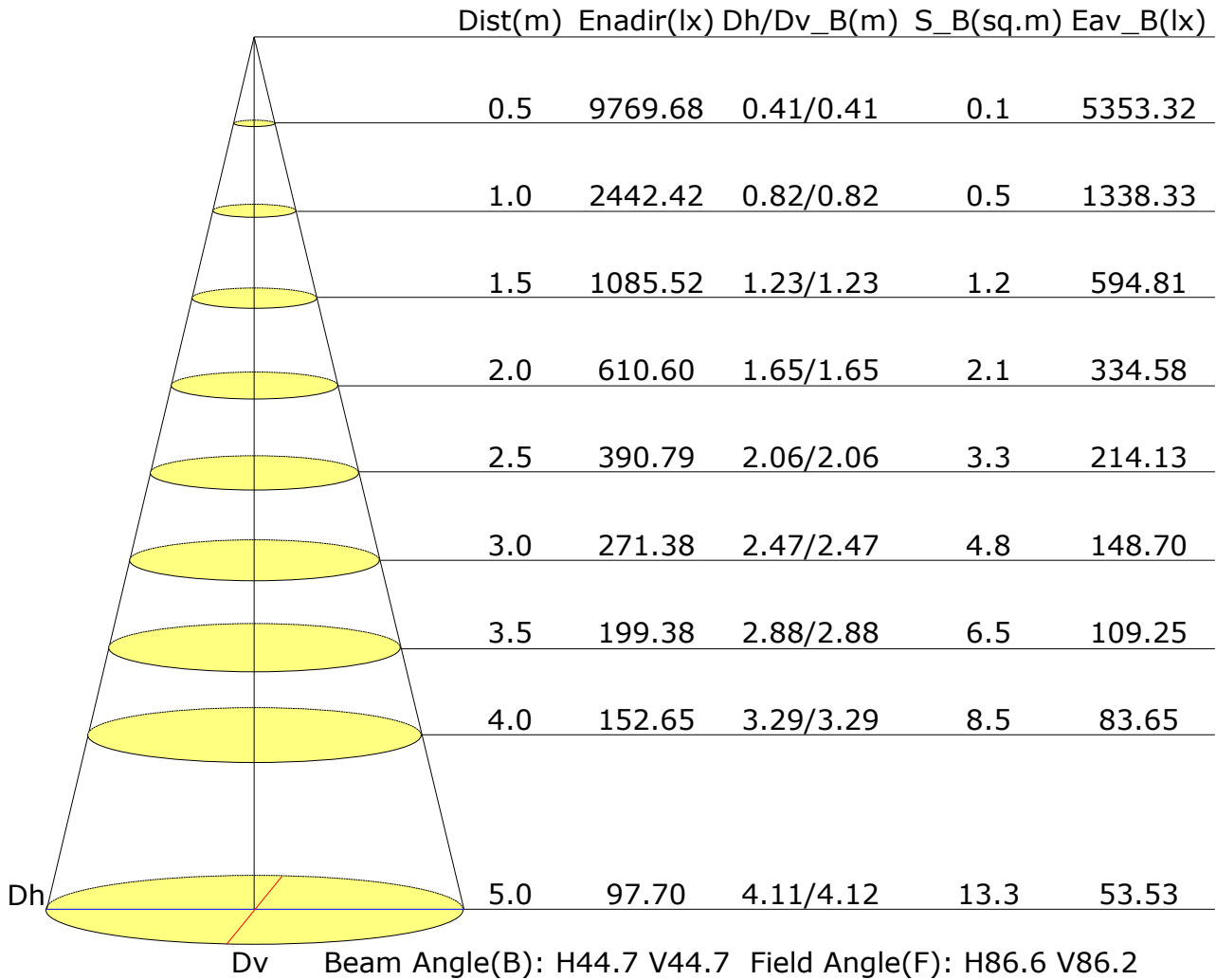


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	10199	2698	1805	1691	1727	1751	1806	1351	0
C90	7169	2419	1805	1750	1862	1832	1651	1138	0
C180	6465	2233	1753	1691	1727	1751	1857	854	0
C270	7852	2349	1753	1633	1761	1710	1600	568	0

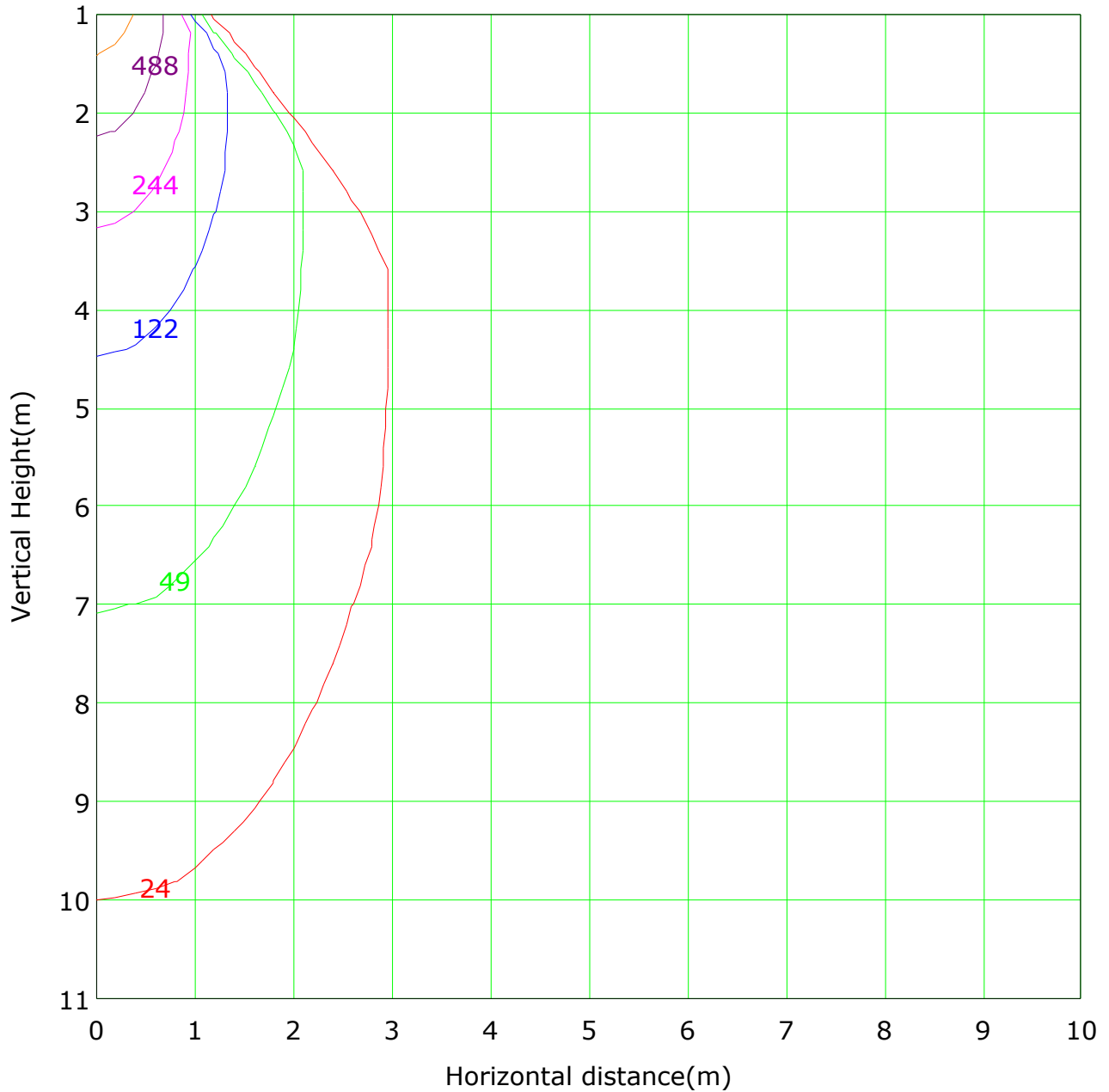
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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: 2442.4 lx
 (1%): 24.4 lx (2%): 48.8 lx
 (5%): 122.1 lx (10%): 244.2 lx
 (20%): 488.5 lx (50%): 1221.2 lx
 (100%): 2442.4 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:

The Average Illuminance Effective Figure

