

Report No.: 1

Test Time: 2017-01-11 08:40

Luminaire Property

Luminaire Category: 0402.W.H321.6
Luminaire Description: 60033
Length (mm): 110
Height (mm): 3
Current: 0.056 A
Power Factor: 0.975

Luminaire Manufacturer: Brasled
Width (mm): 110
Voltage: 230.1 V
Power: 12.50 W

Photometric Results

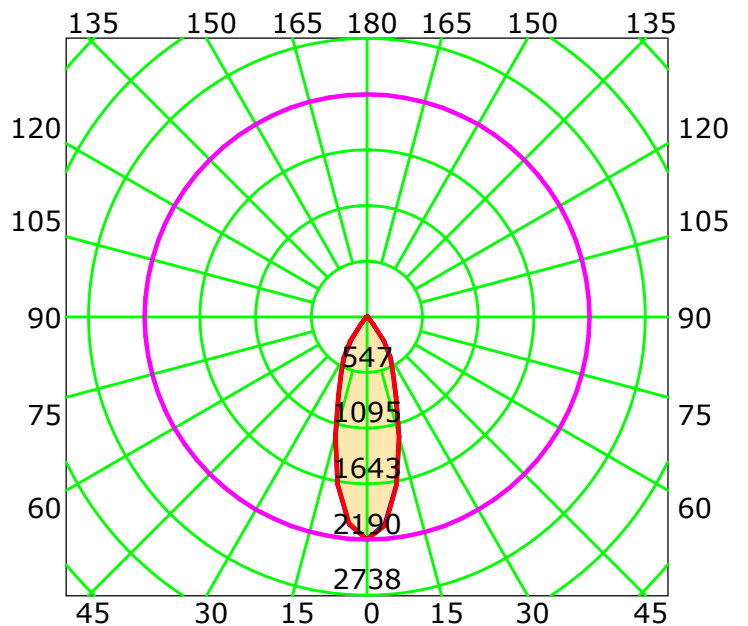
CIE Class: Direct
Measurement Flux: 1060.9 lm
Downward Ratio: 100%
Field Angle: H73.5 V73.9
Luminaire Efficacy Rating (LER): 85
Max. Intensity: 2190.72 cd

Total Rated Lamp Lumens: 1060.9 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H33.1 V33.2
Central Intensity: 2190.41 cd
Pos of Max. Intensity: H22.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



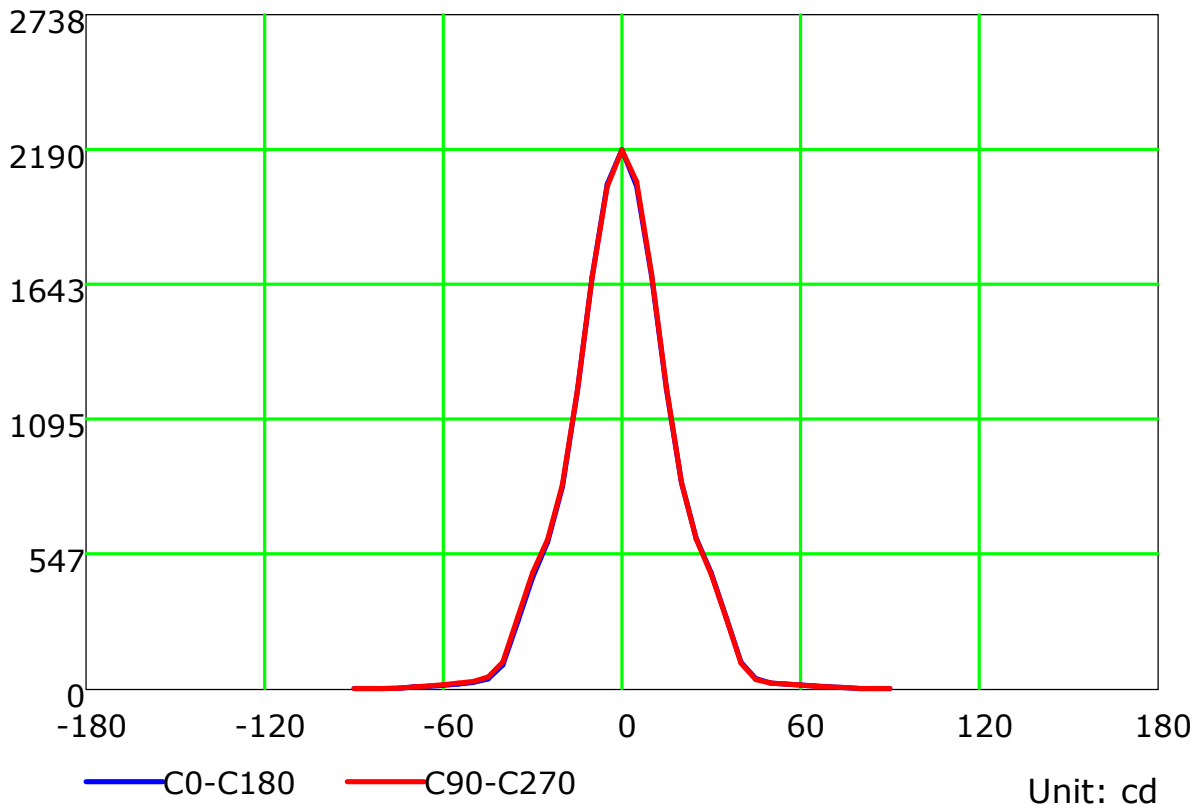
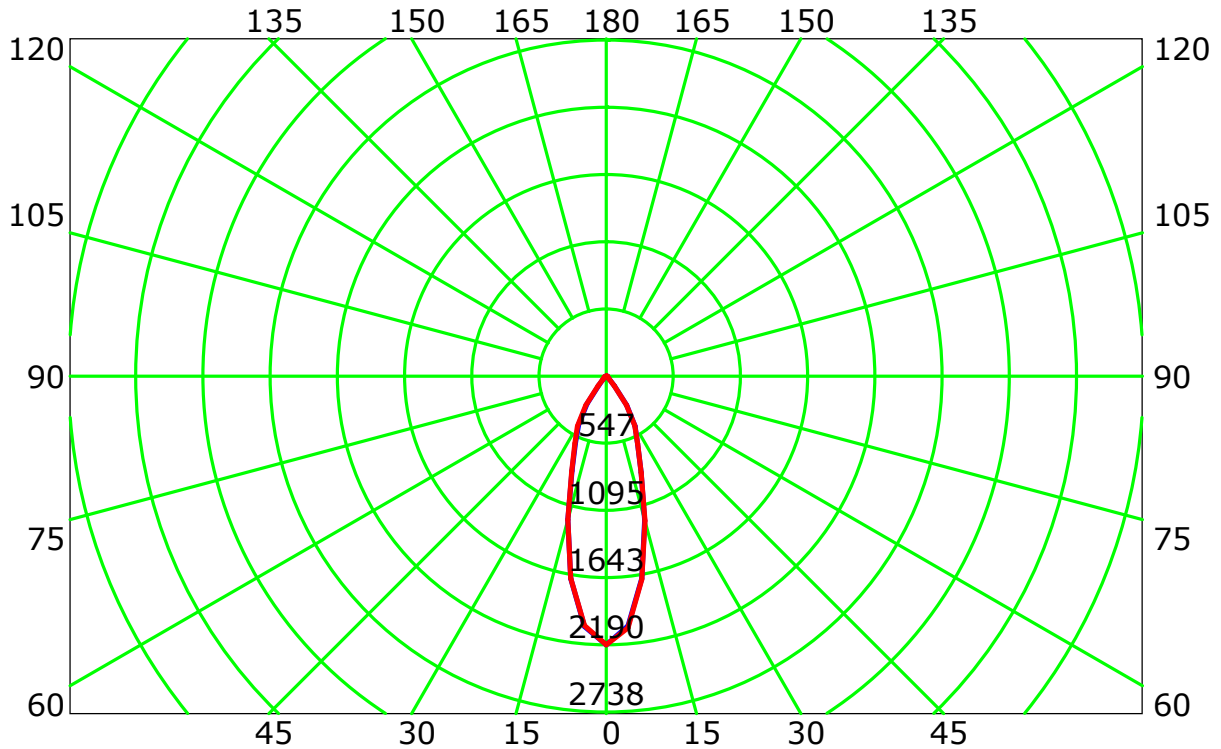
Average Diffuse Angle(50%): 33.2° Unit: cd

— 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



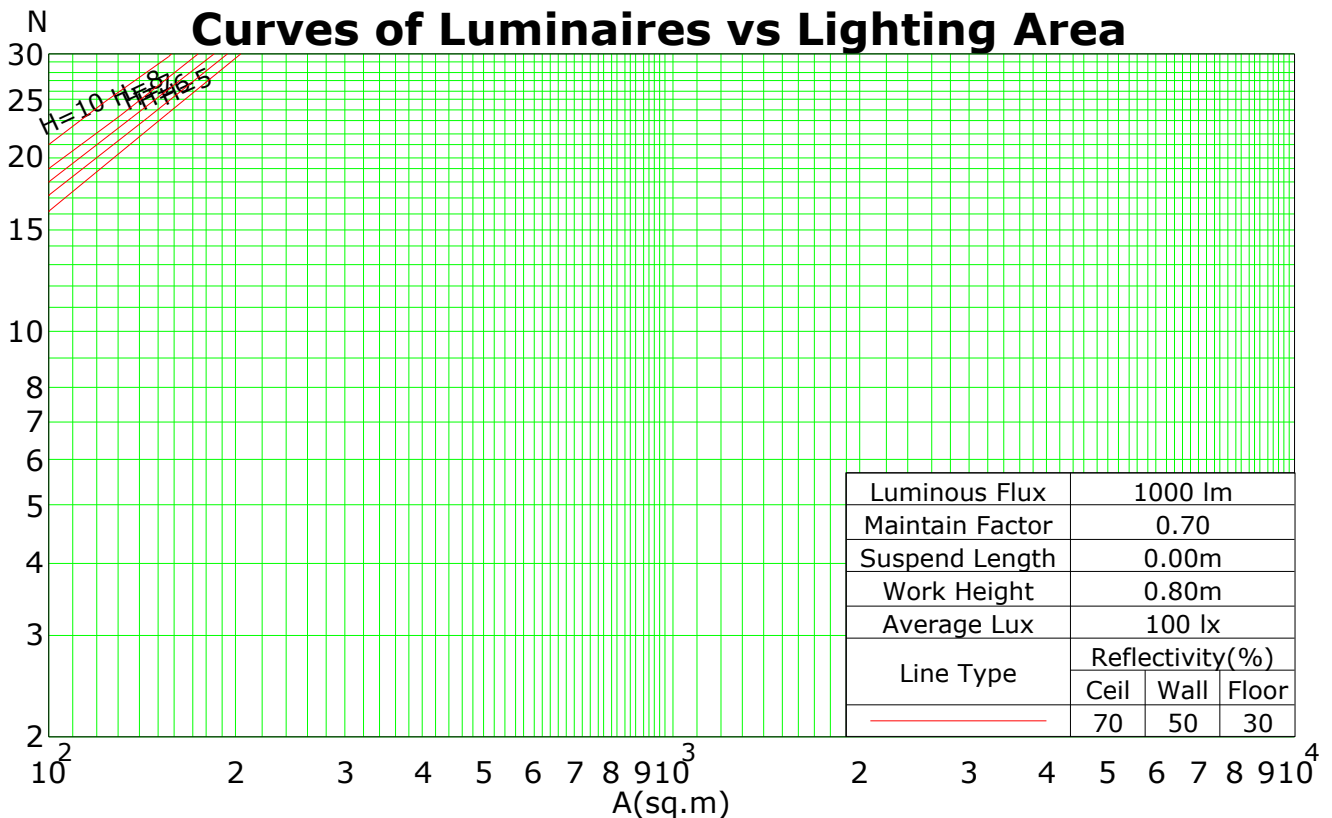
C Plane (°): 0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	86	82	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56

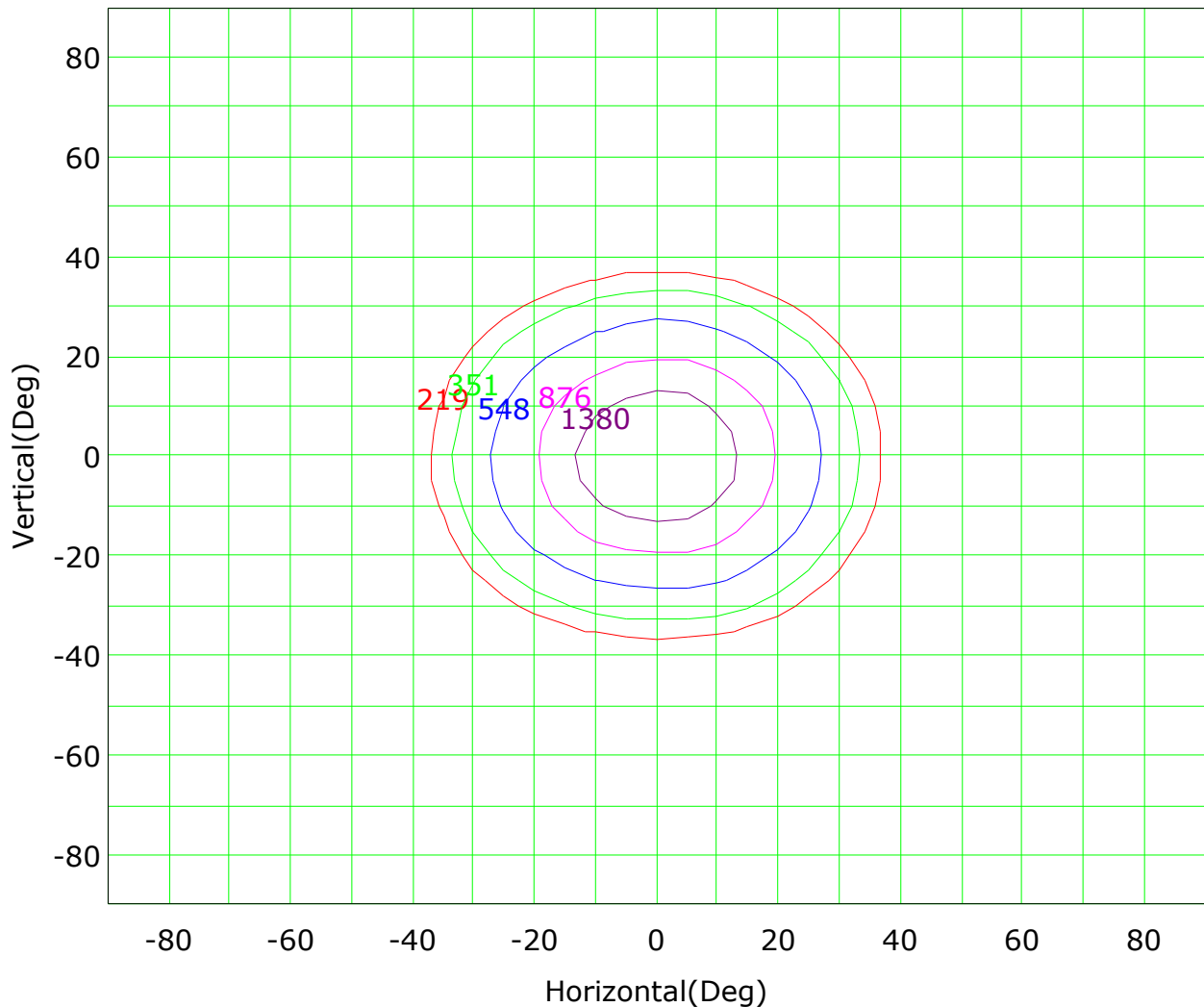
Spacing Criteria (0-180): 0.54
 Spacing Criteria (90-270): 0.54
 Spacing Criteria (Diagonal): 0.60



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)



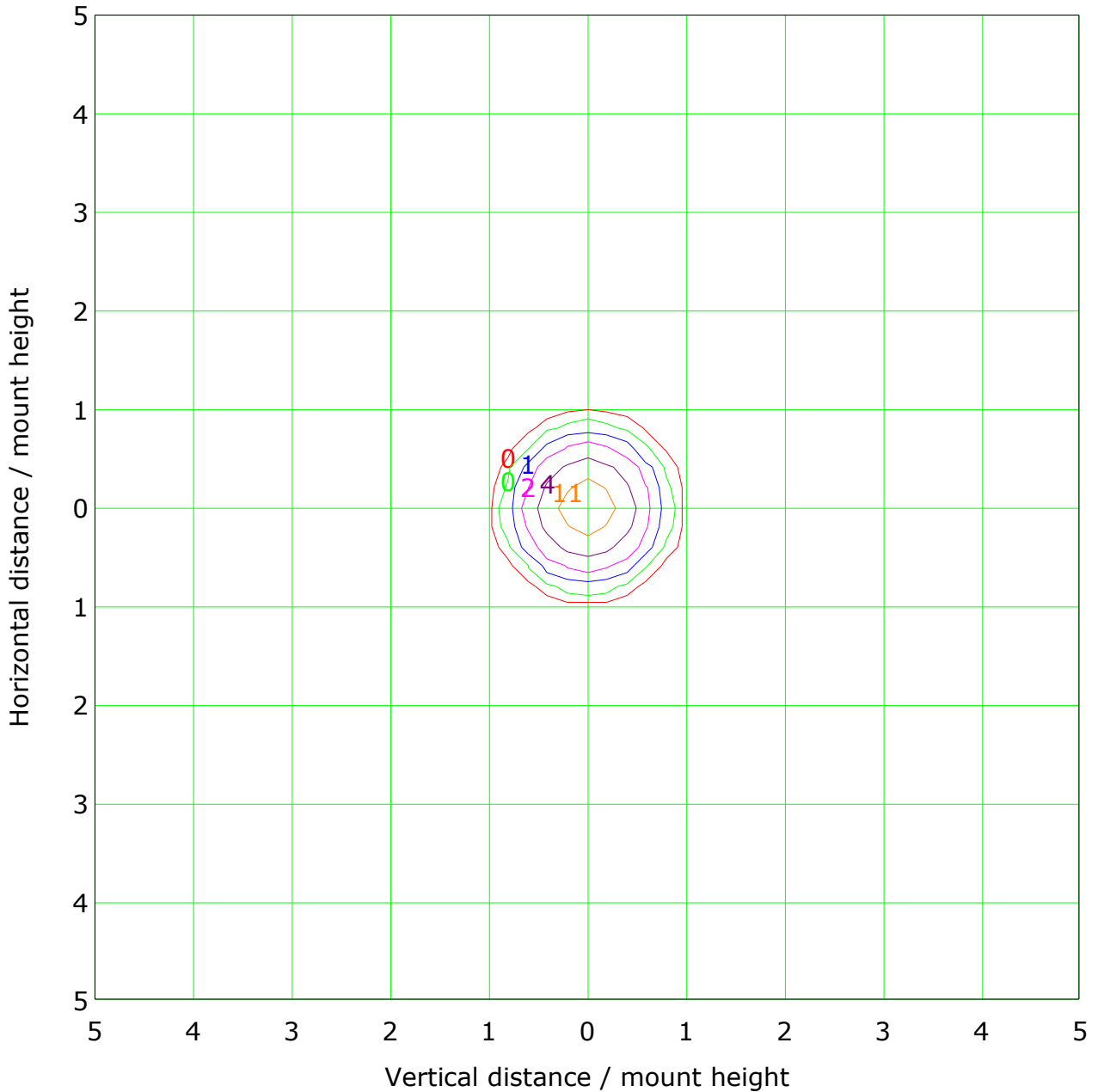
Imax (100%): 2191 cd

— (10%): 219 cd	— (16%): 351 cd
— (25%): 548 cd	— (40%): 876 cd
— (63%): 1380 cd	— (100%): 2191 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%): 21.9 lx	
— (1%):	0.2 lx	— (2%):	0.4 lx
— (5%):	1.1 lx	— (10%):	2.2 lx
— (20%):	4.4 lx	— (50%):	11.0 lx
— (100%):	21.9 lx		

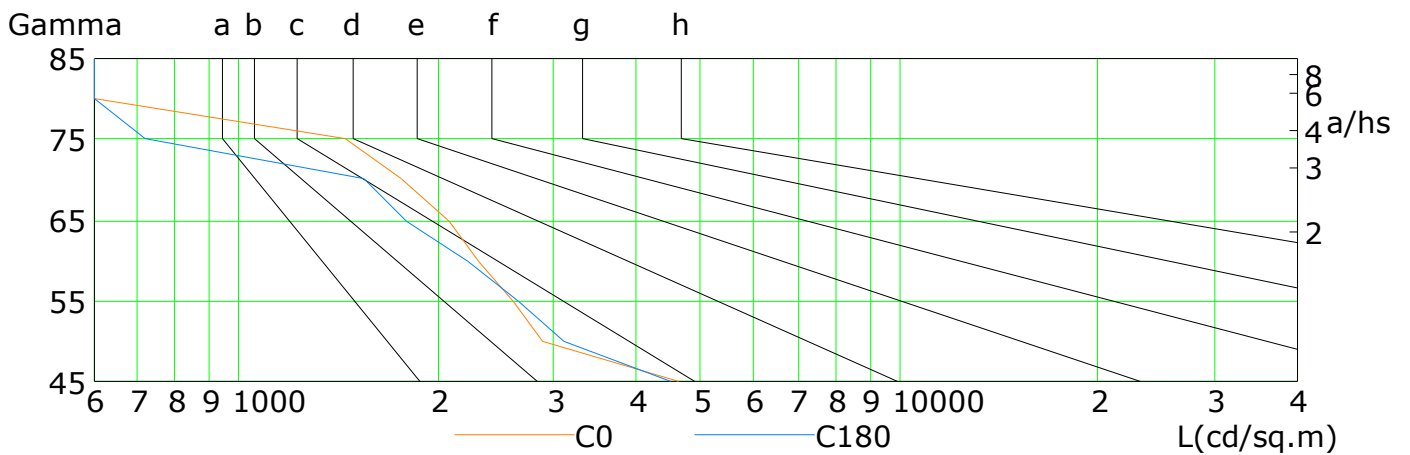
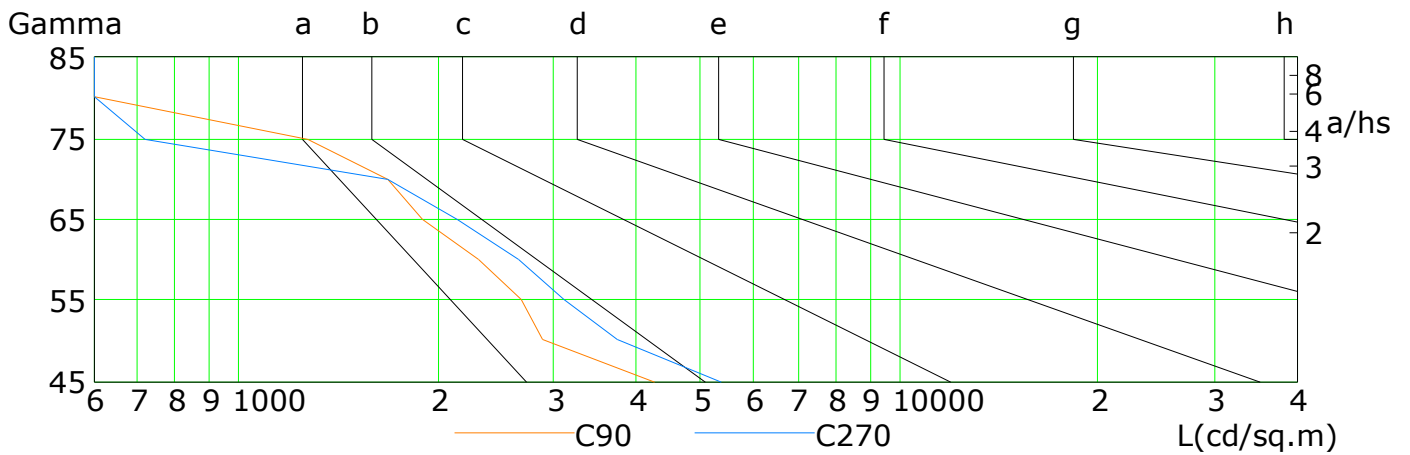
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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

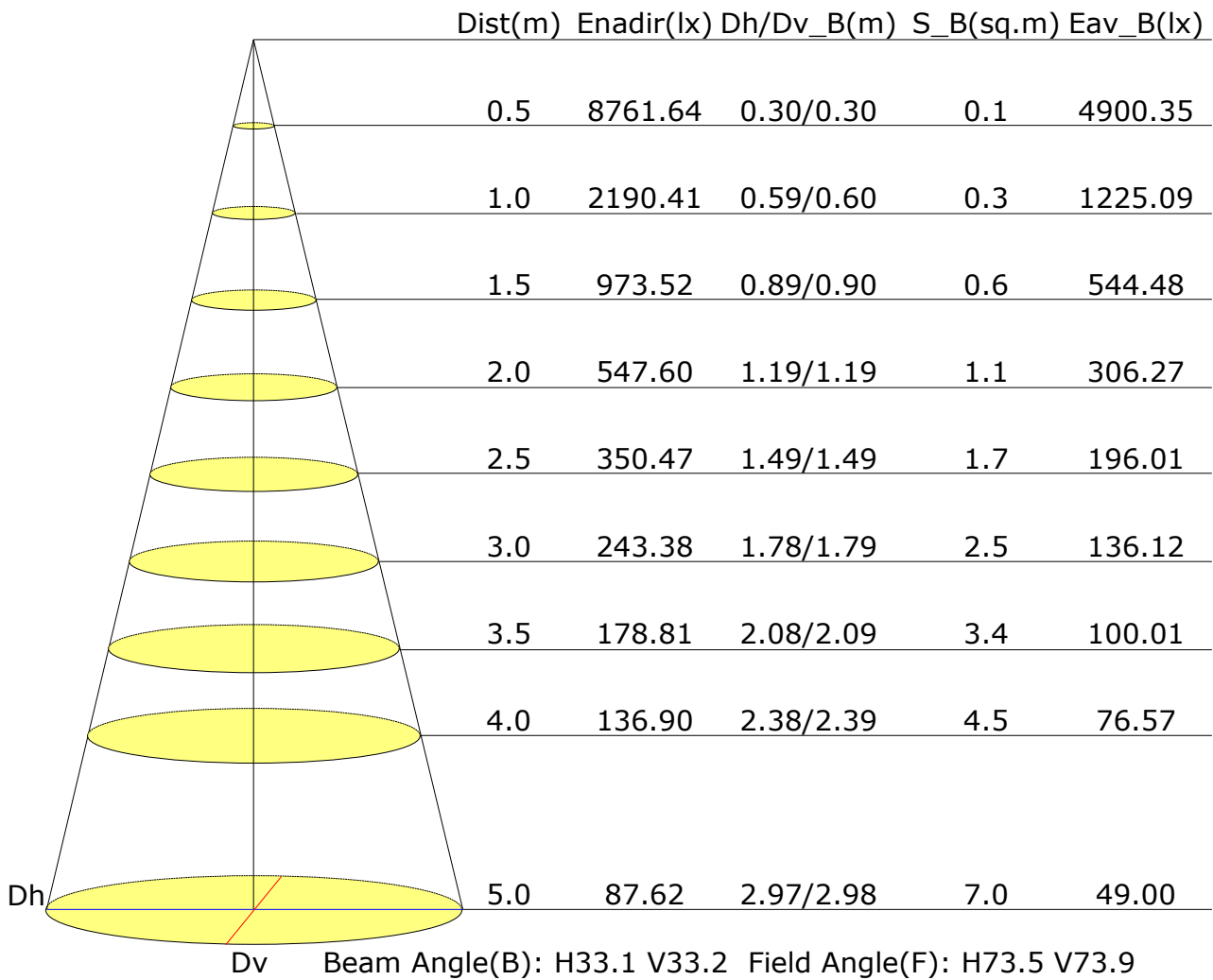


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4610	2873	2593	2312	2073	1751	1446	0	0
C90	4256	2873	2681	2312	1901	1681	1264	0	0
C180	4504	3106	2636	2214	1785	1542	722	0	0
C270	5391	3726	3112	2656	2130	1681	722	0	0

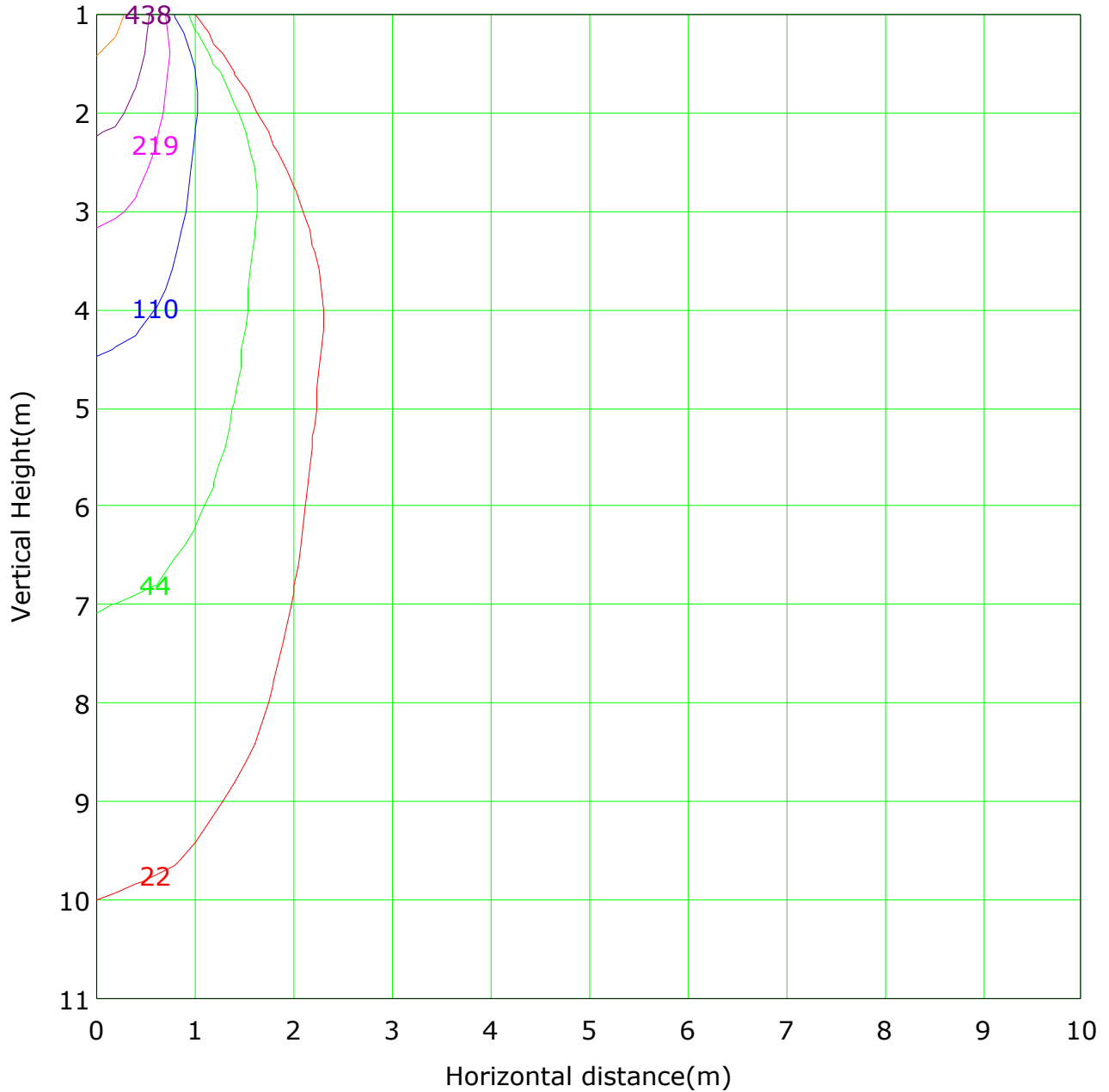
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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: 2190.4 lx
 (1%): 21.9 lx (2%): 43.8 lx
 (5%): 109.5 lx (10%): 219.0 lx
 (20%): 438.1 lx (50%): 1095.2 lx
 (100%): 2190.4 lx

The Average Illuminance Effective Figure

