

Report No.: 1

Test Time: 2017-01-12 13:58

Luminaire Property

Luminaire Category: 0408.G.U341.6
Luminaire Description: 60083
Length (mm): 120
Height (mm): 3
Current: 0.065 A
Power Factor: 0.983

Luminaire Manufacturer: Brasled
Width (mm): 120
Voltage: 230.1 V
Power: 14.79 W

Photometric Results

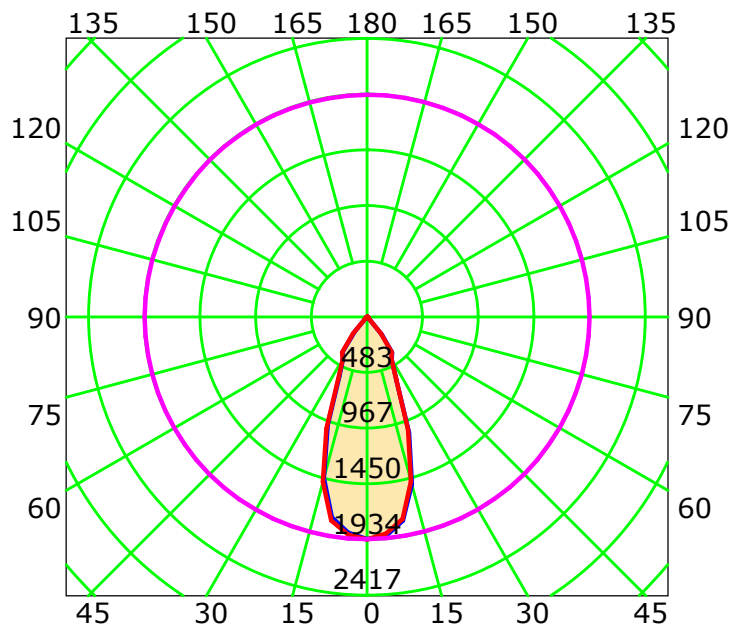
CIE Class: Direct
Measurement Flux: 1160.7 lm
Downward Ratio: 100%
Field Angle: H79.6 V79.7
Luminaire Efficacy Rating (LER): 78
Max. Intensity: 1934.27 cd

Total Rated Lamp Lumens: 1160.7 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H41.6 V41.6
Central Intensity: 1929.6 cd
Pos of Max. Intensity: H157.5 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



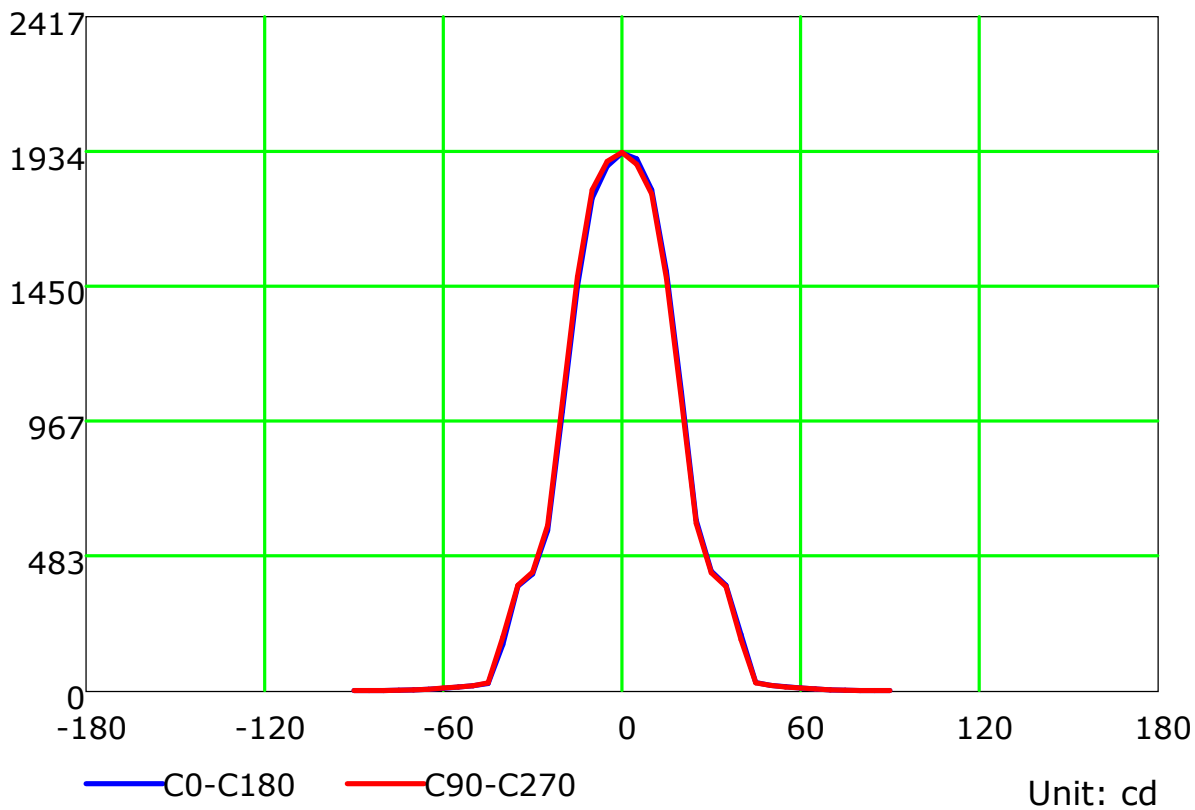
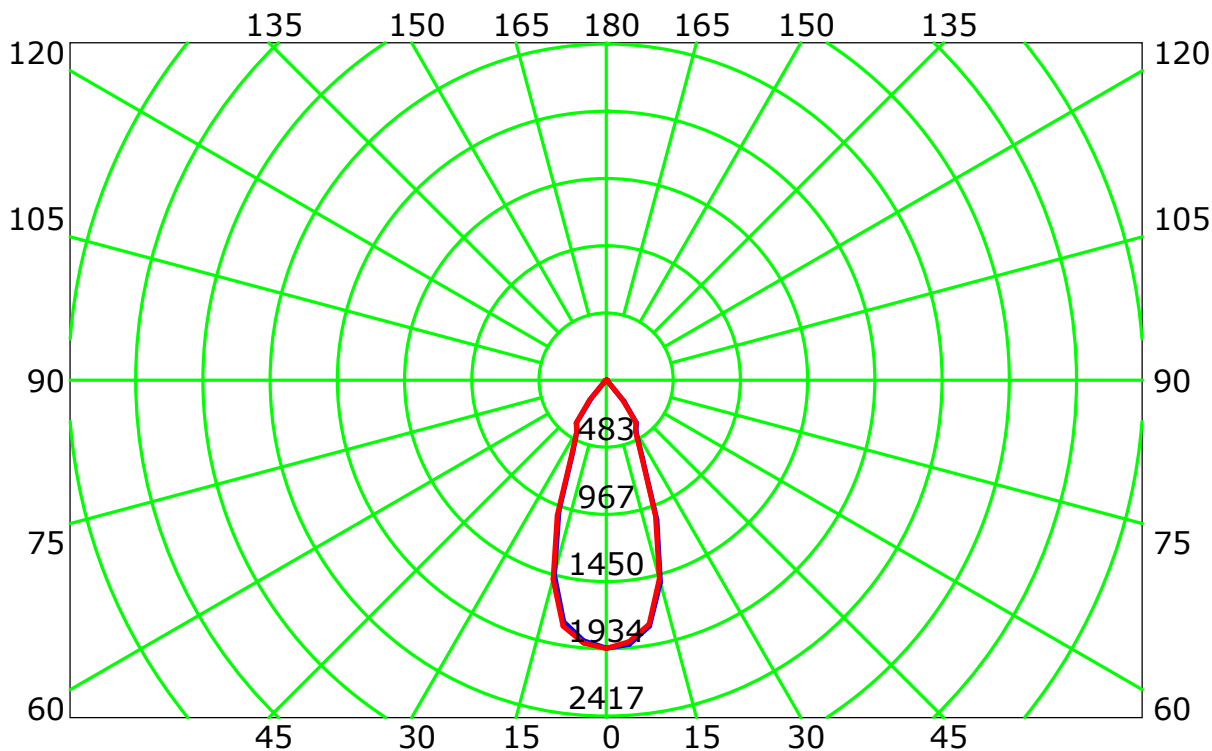
Average Diffuse Angle(50%): 41.6° Unit: cd

— 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



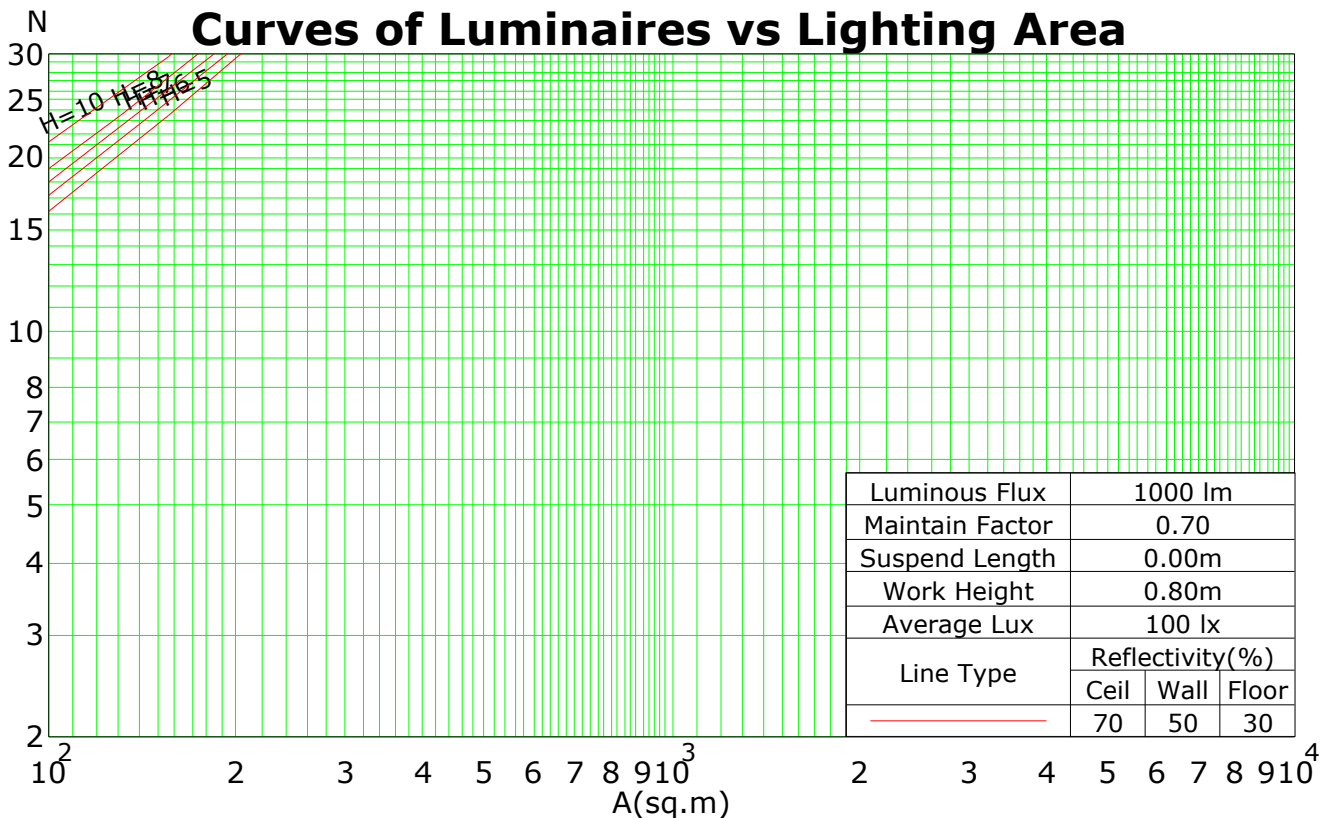
C Plane (°): 0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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	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	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	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	77	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	70	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	57	65	60	57	64	60	57	56

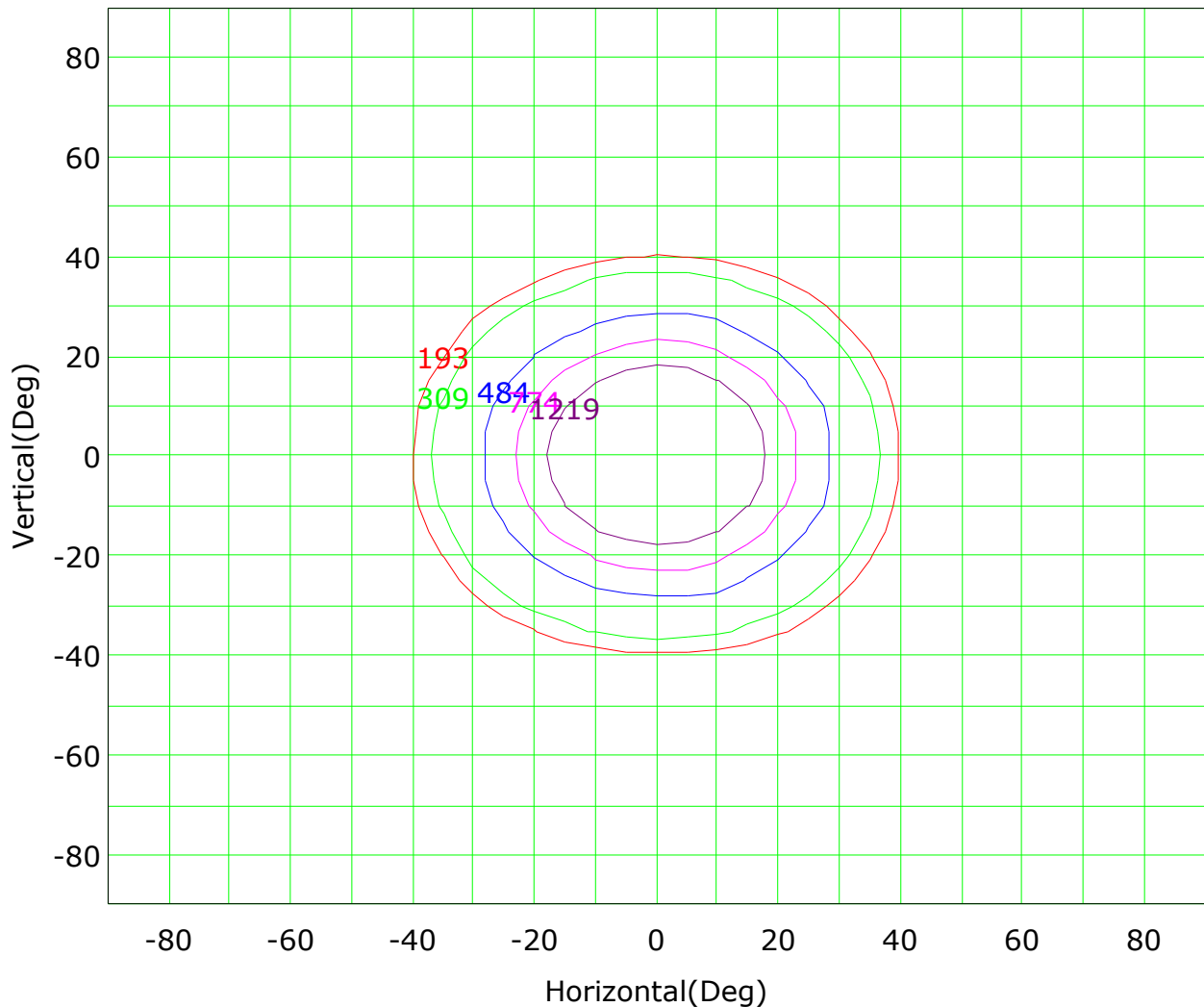
Spacing Criteria (0-180): 0.68
 Spacing Criteria (90-270): 0.68
 Spacing Criteria (Diagonal): 0.64



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)



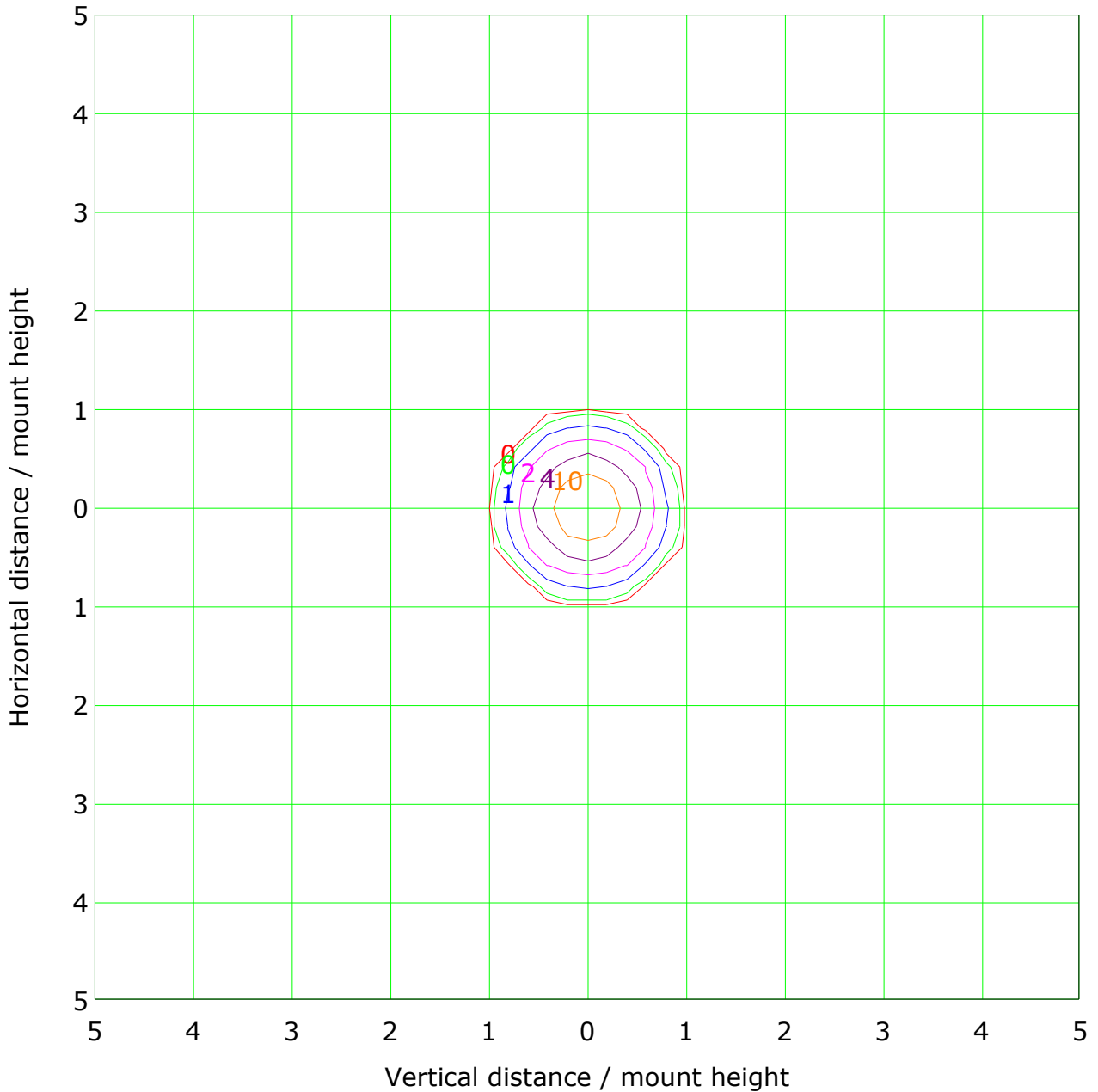
Imax (100%): 1934 cd

— (10%): 193 cd	— (16%): 309 cd
— (25%): 484 cd	— (40%): 774 cd
— (63%): 1219 cd	— (100%): 1934 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%): 19.3 lx	
— (1%):	0.2 lx	— (2%):	0.4 lx
— (5%):	1.0 lx	— (10%):	1.9 lx
— (20%):	3.9 lx	— (50%):	9.7 lx
— (100%):	19.3 lx		

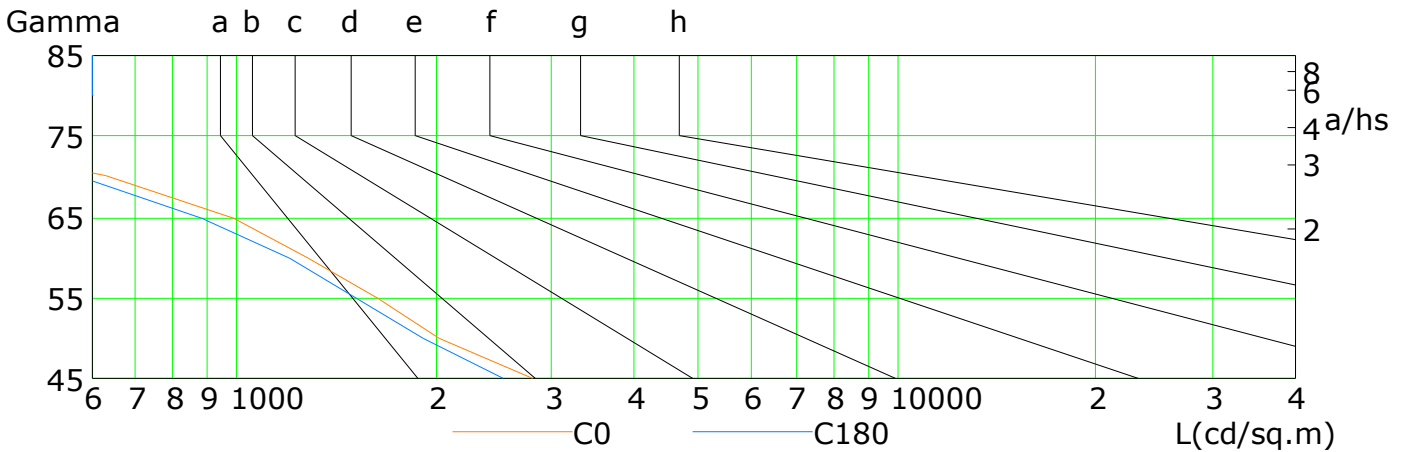
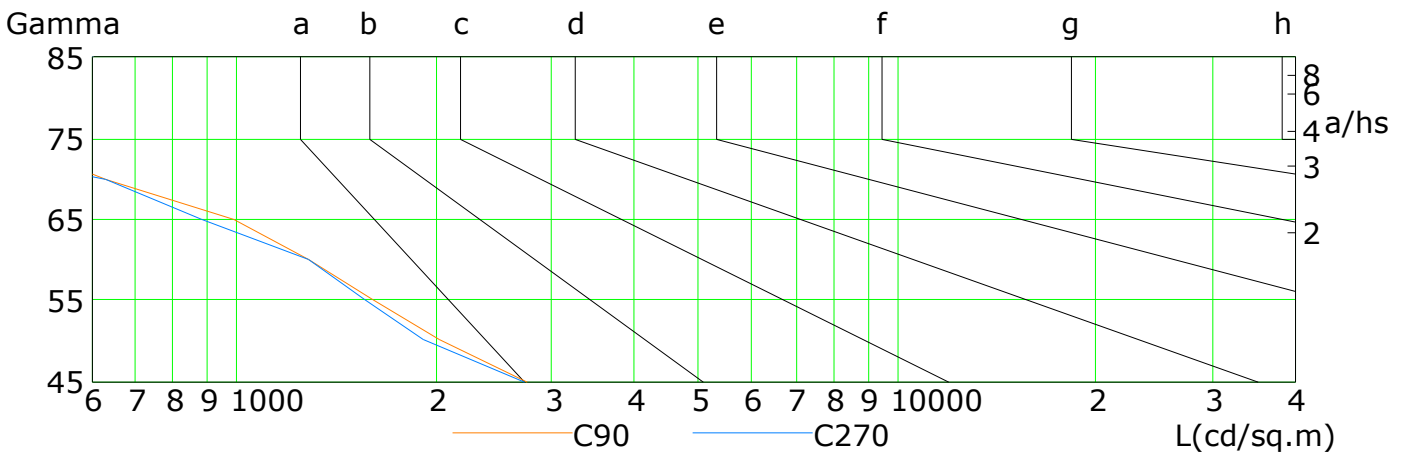
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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

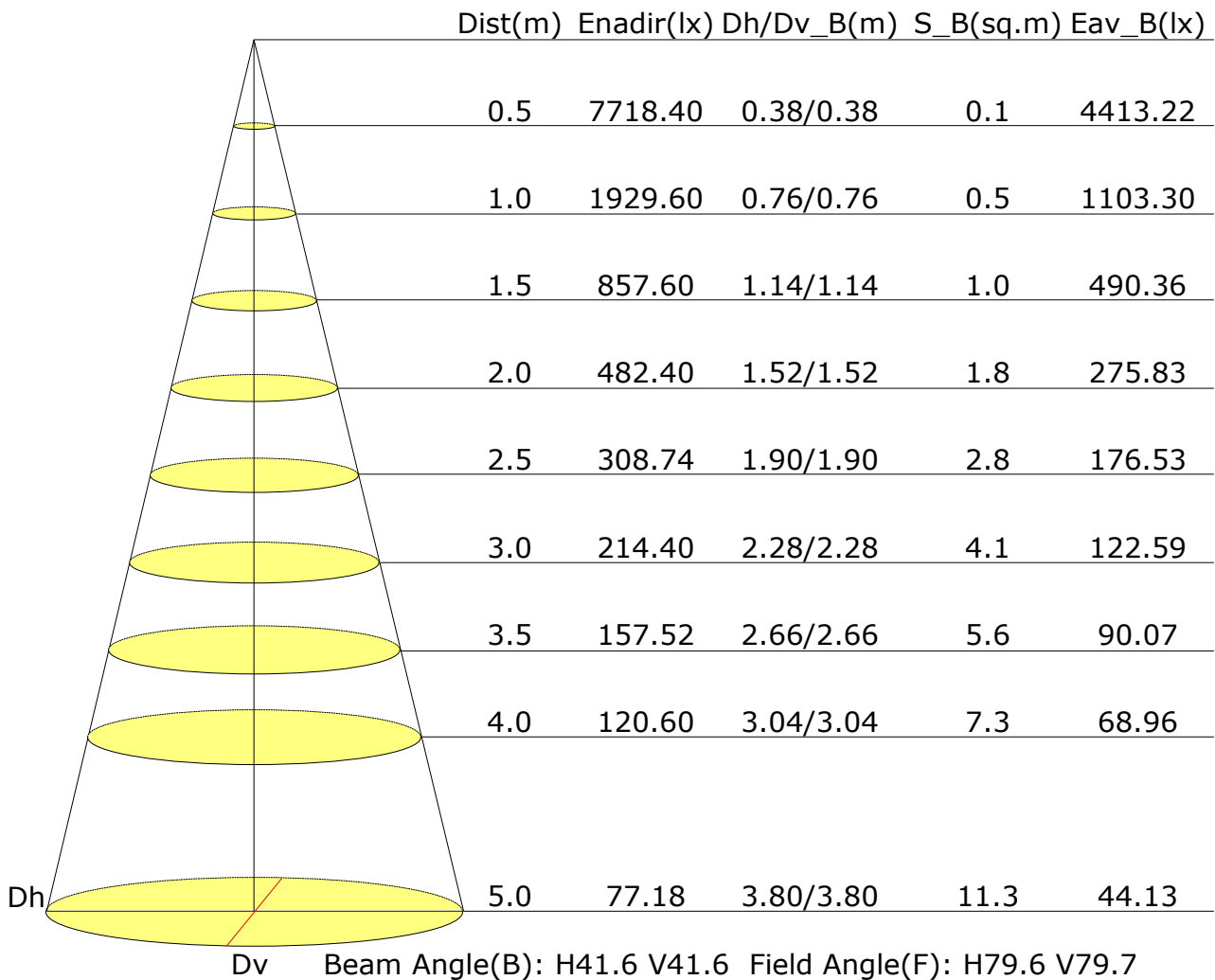


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2804	2024	1633	1285	986	633	326	235	0
C90	2741	2024	1595	1285	986	633	407	116	0
C180	2518	1919	1516	1195	881	568	326	0	0
C270	2709	1919	1556	1285	881	633	326	235	0

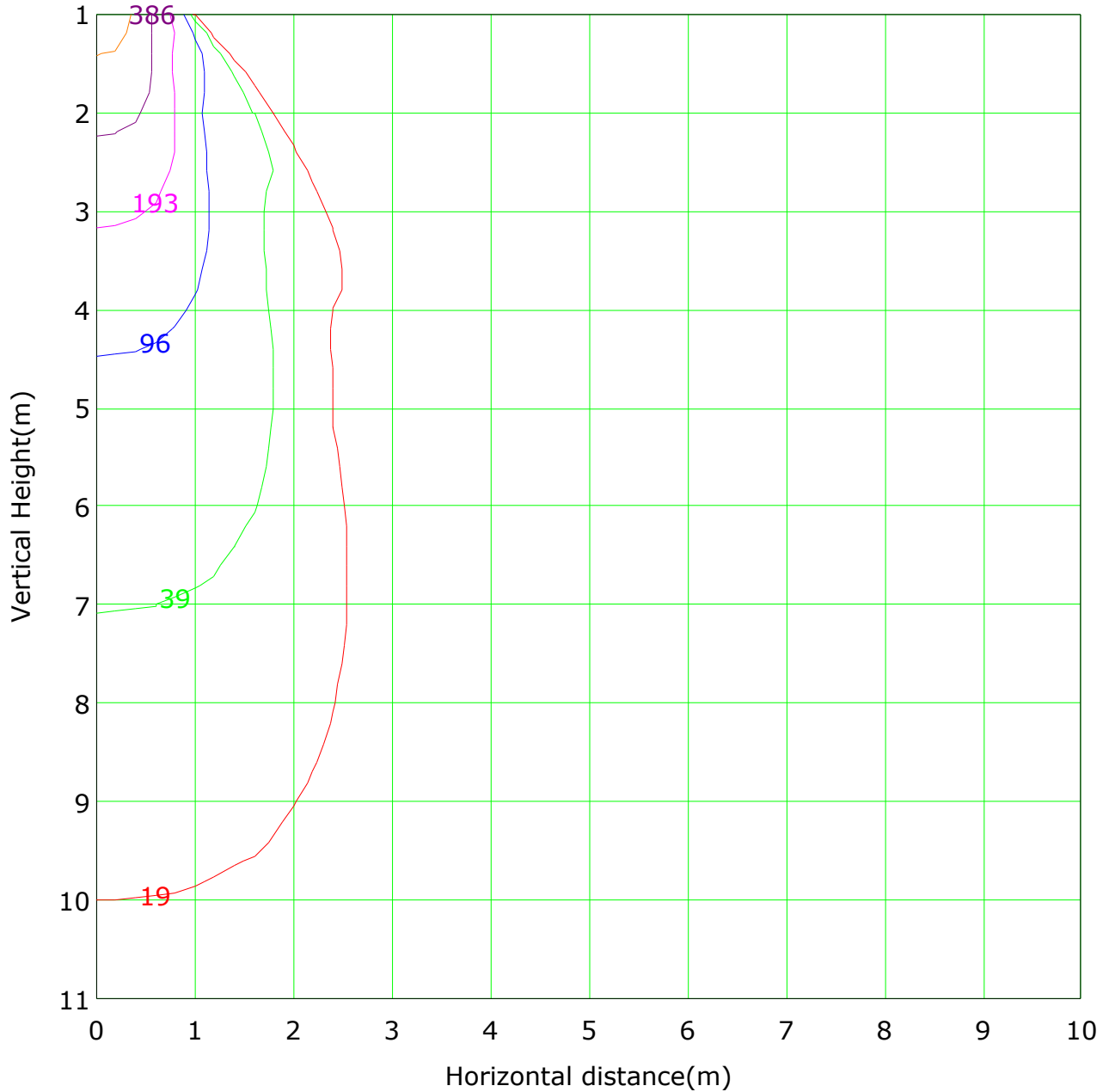
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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

Illuminance at a Distance



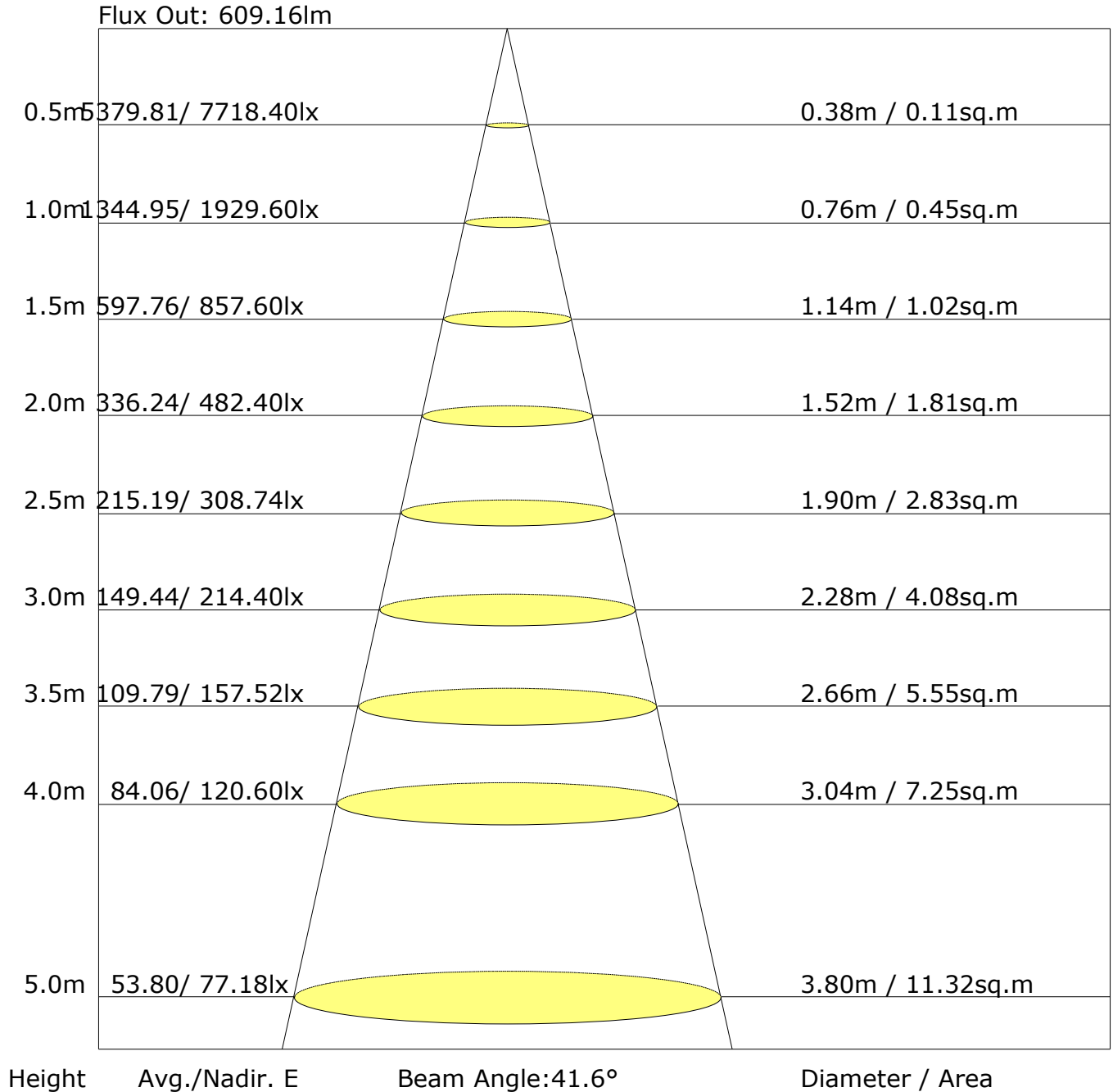
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1929.6 lx

— (1%): 19.3 lx	— (2%): 38.6 lx
— (5%): 96.5 lx	— (10%): 193.0 lx
— (20%): 385.9 lx	— (50%): 964.8 lx
— (100%):1929.6 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: