

Report No.: 1

Test Time: 2017-01-19 08:33

Luminaire Property

Luminaire Category: 0102.W.U141.6

Luminaire Description: 60028

Length (mm): 95

Height (mm): 3

Current: 0.042 A

Power Factor: 0.960

Luminaire Manufacturer: Brasled

Width (mm): 95

Voltage: 230.2 V

Power: 9.26 W

Photometric Results

CIE Class: Direct

Measurement Flux: 580.3 lm

Downward Ratio: 100%

Field Angle: H79.5 V79.6

Luminaire Efficacy Rating (LER): 63

Max. Intensity: 1266.86 cd

Total Rated Lamp Lumens: 580.3 lm

Efficiency: 100%

Upward Ratio: 0%

Beam Angle: H27.4 V27.7

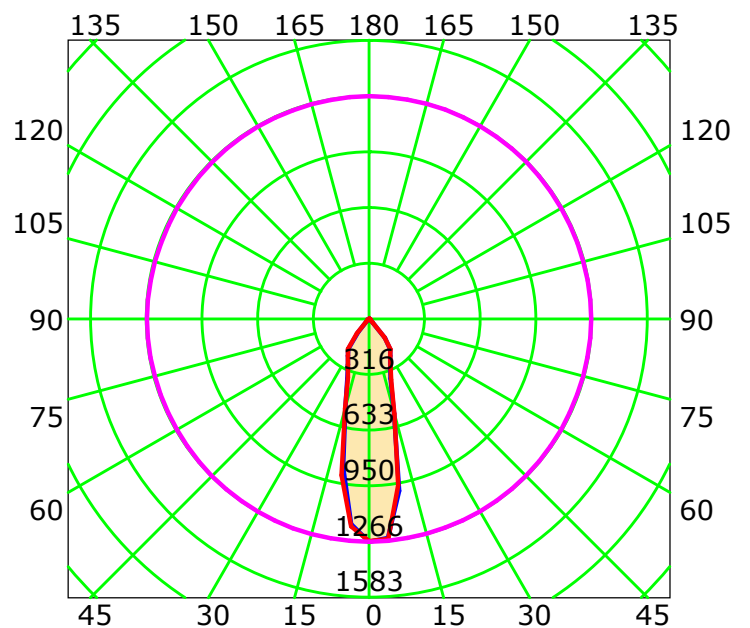
Central Intensity: 1266.86 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 27.6° 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

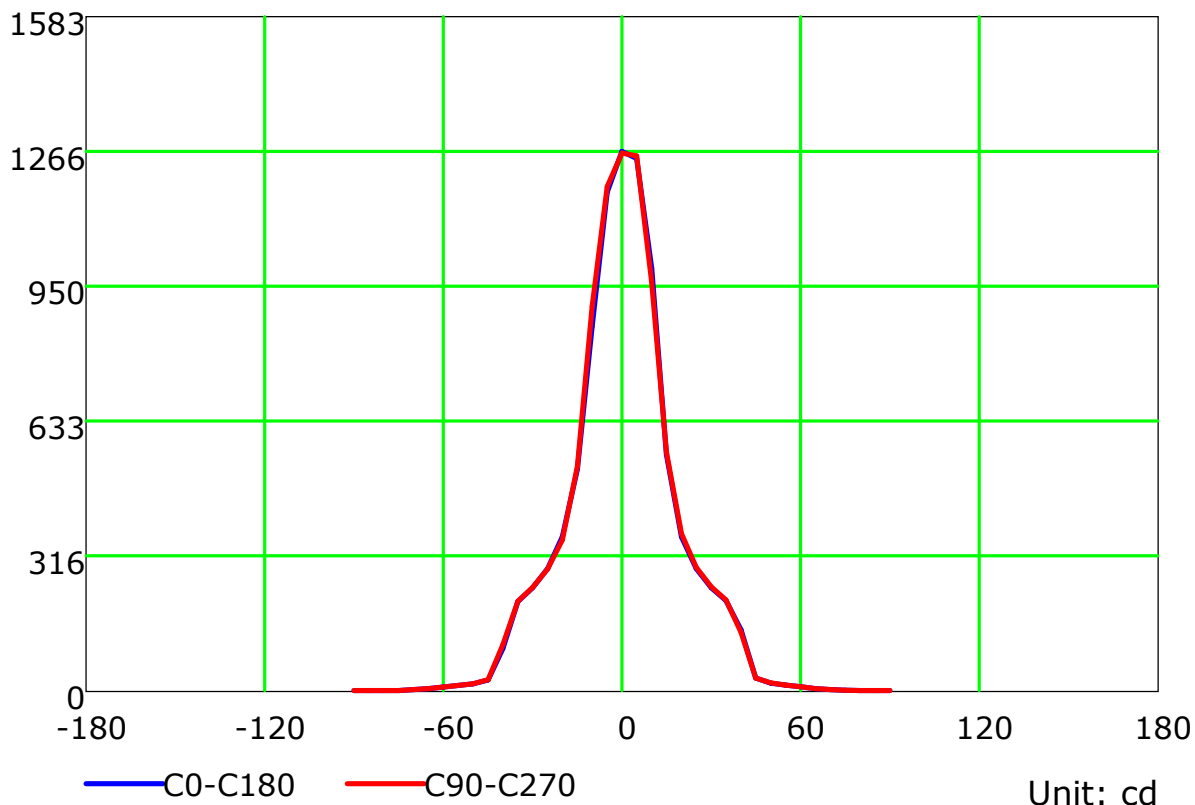
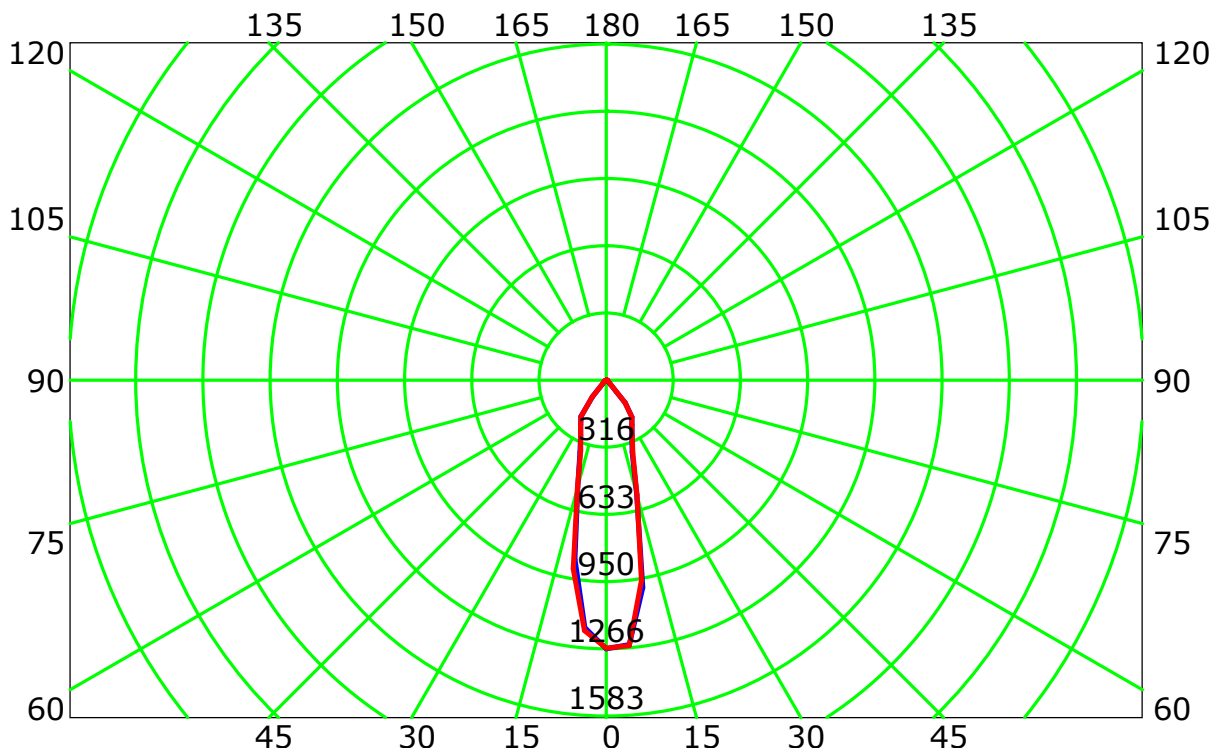
Test Device: LSG-1200A

Distance: 1.0 m

Humidity: 60

Inspector:

Luminous Intensity Distribution Curve



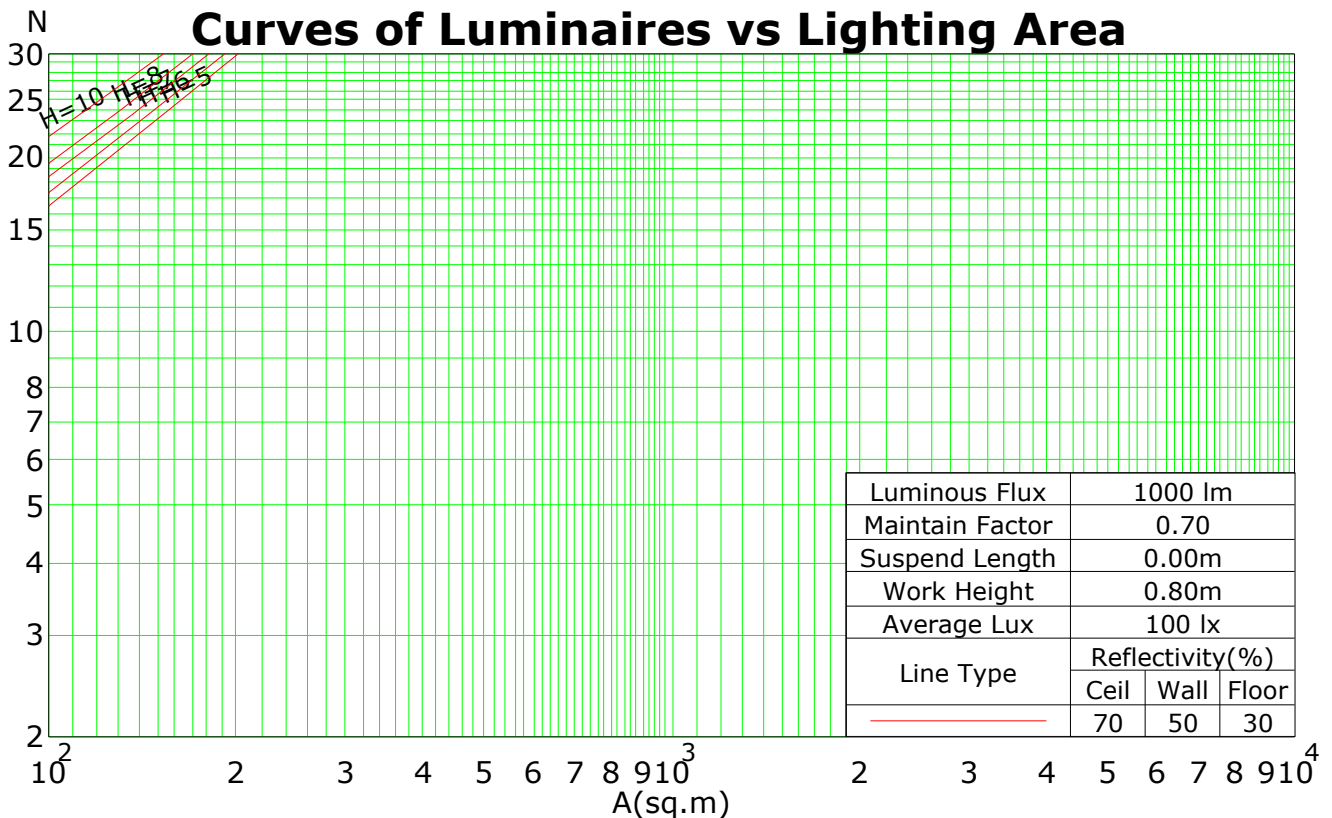
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	61	58	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

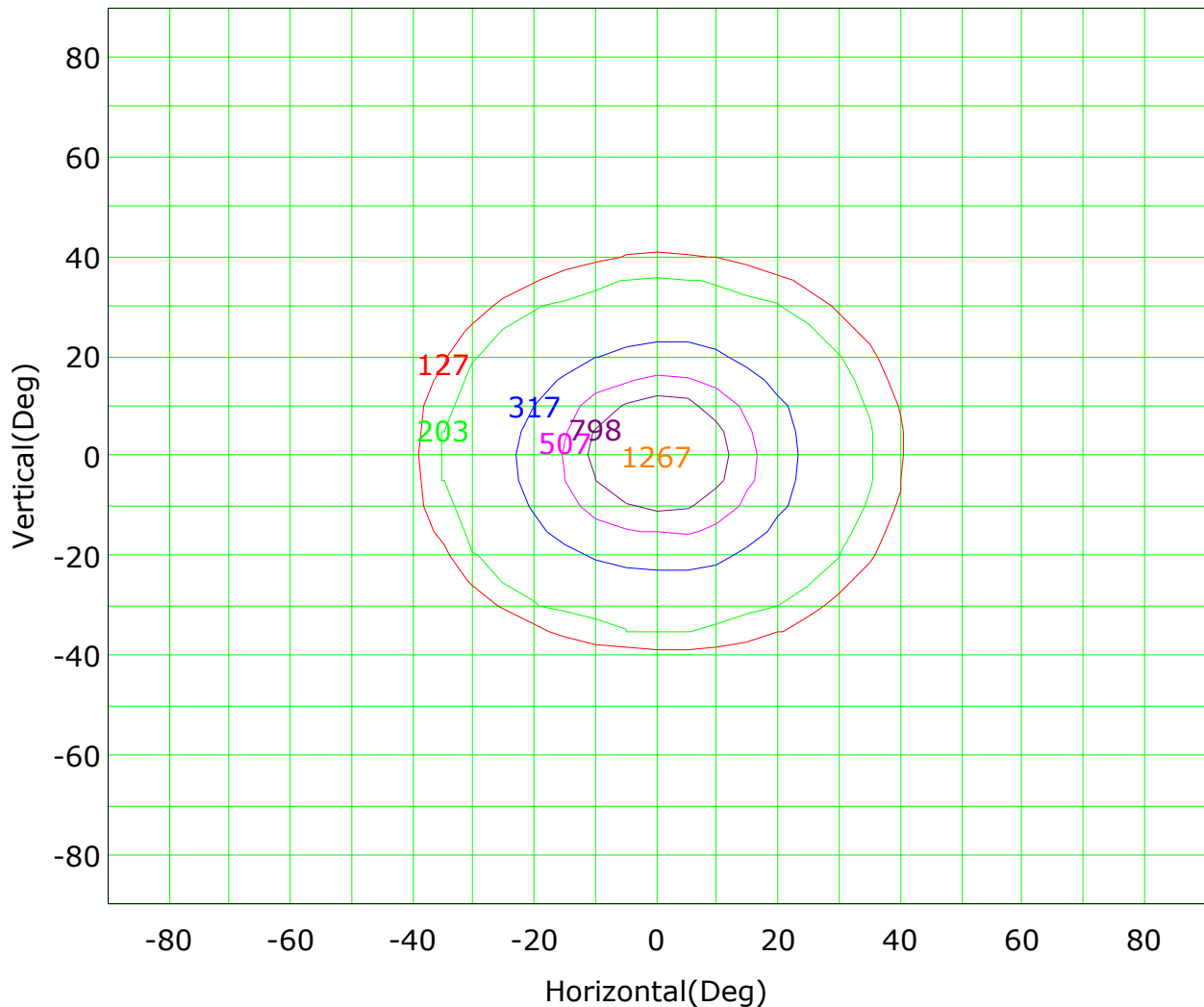
Spacing Criteria (0-180): 0.47
 Spacing Criteria (90-270): 0.47
 Spacing Criteria (Diagonal): 0.50



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)



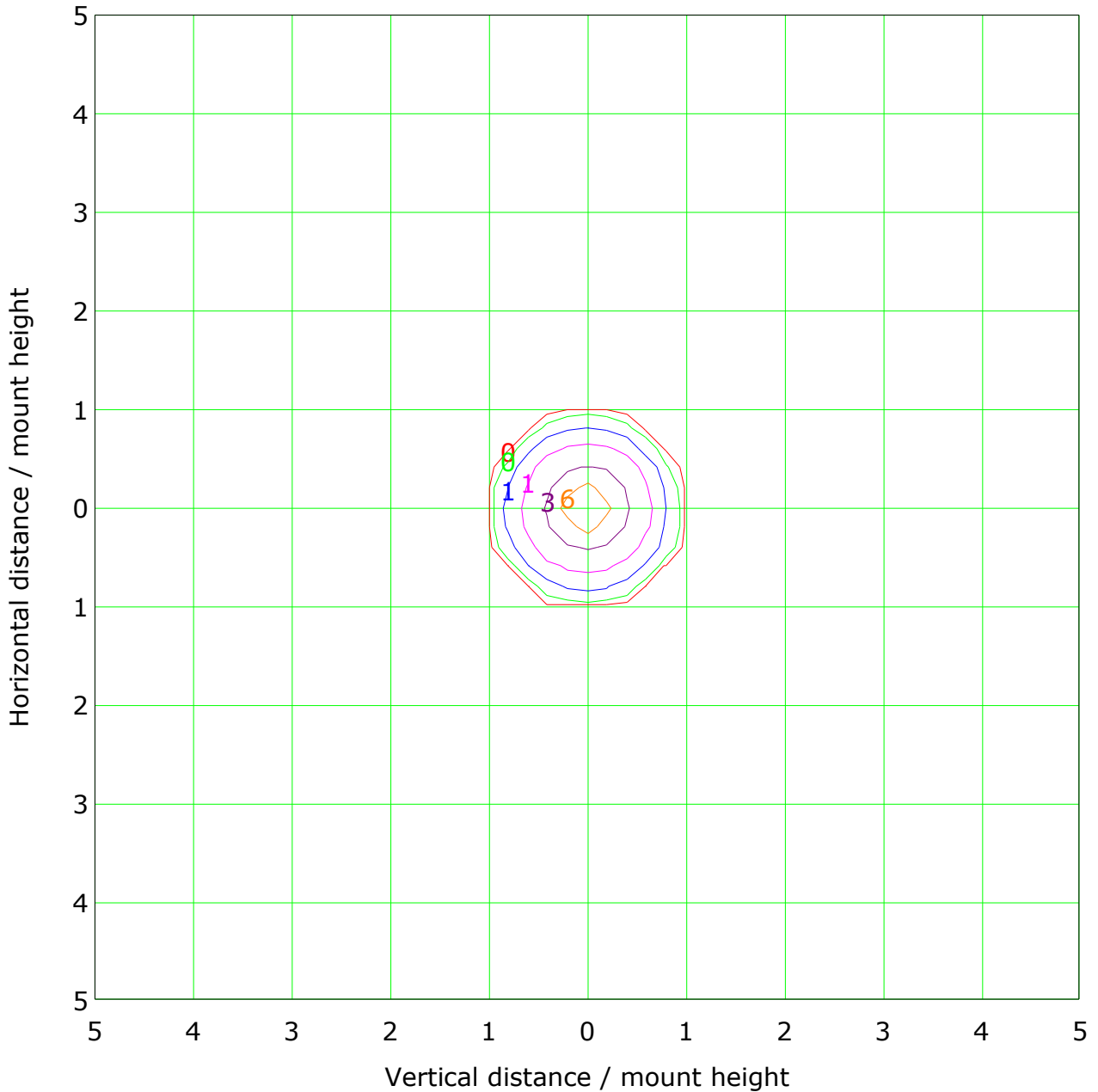
Imax (100%): 1267 cd

- | | |
|------------------|-------------------|
| — (10%): 127 cd | — (16%): 203 cd |
| — (25%): 317 cd | — (40%): 507 cd |
| — (63%): 798 cd | — (100%): 1267 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%): 12.7 lx

— (1%): 0.1 lx	— (2%): 0.3 lx
— (5%): 0.6 lx	— (10%): 1.3 lx
— (20%): 2.5 lx	— (50%): 6.3 lx
— (100%): 12.7 lx	

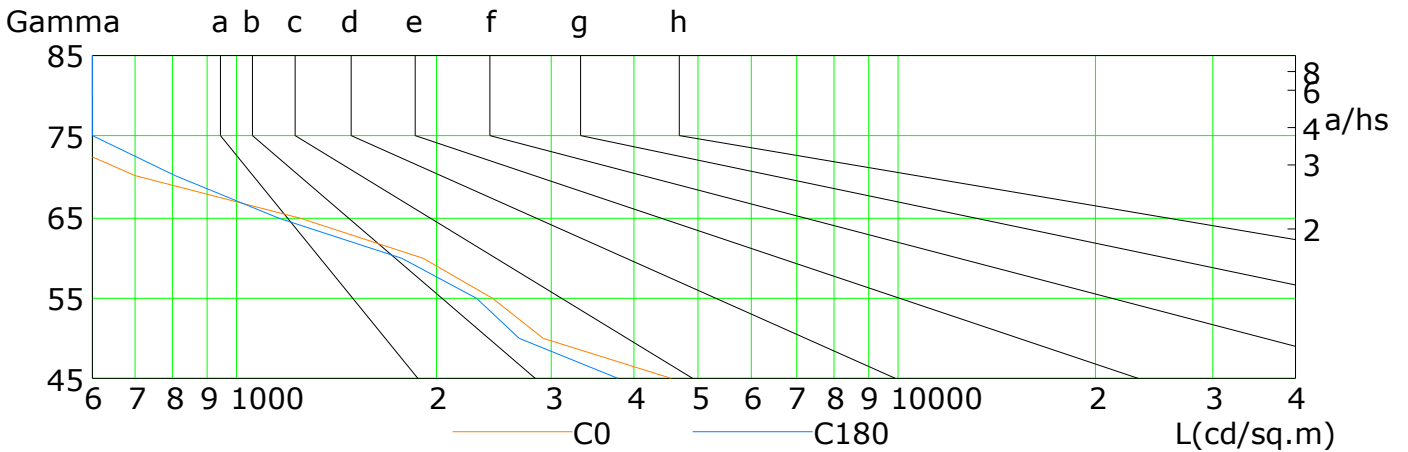
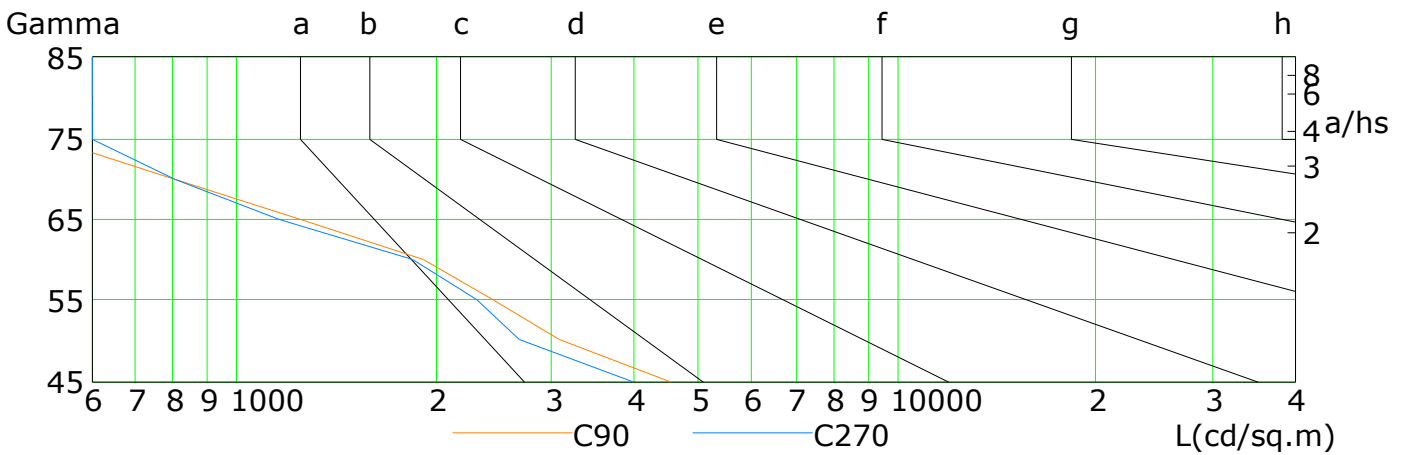
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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

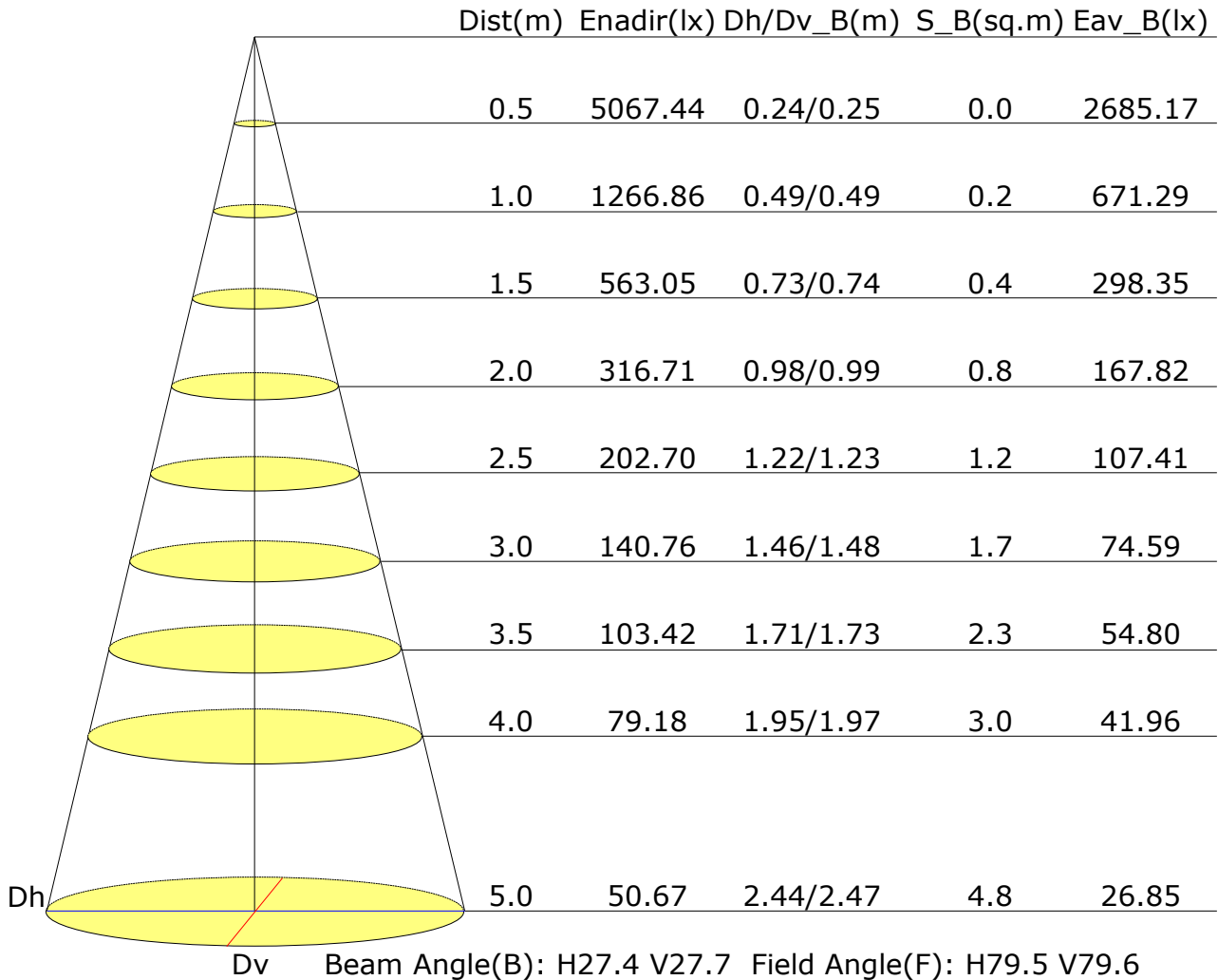


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4548	2906	2425	1908	1240	701	517	0	0
C90	4548	3073	2425	1908	1240	802	517	0	0
C180	3781	2683	2301	1767	1157	802	0	0	0
C270	3986	2683	2301	1838	1157	802	0	0	0

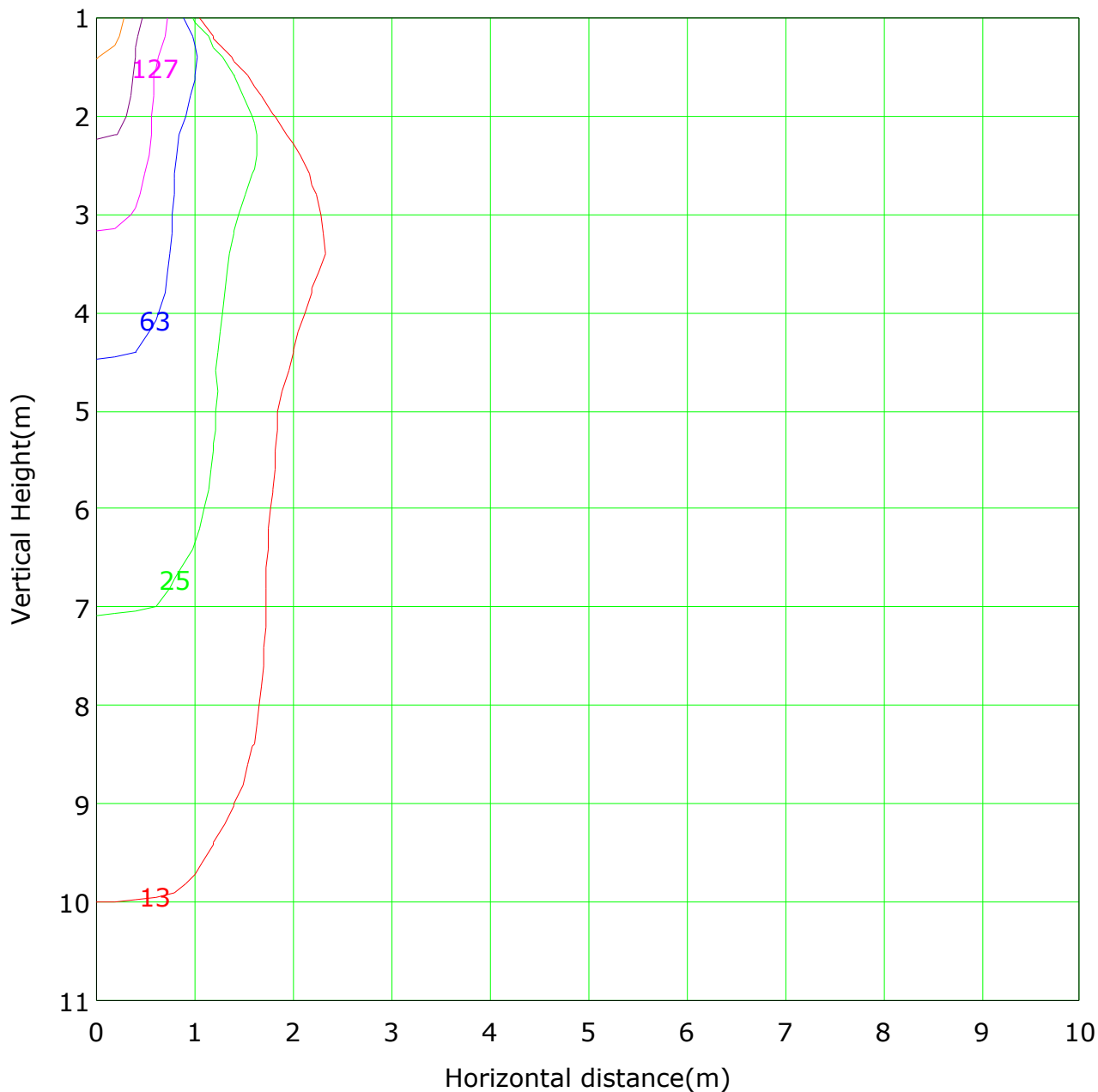
C Plane (°):0.0-360.0: 22.5
 Test Lab: Brasled
 Test Type: TYPE C
 Temperature: 26
 Operator:

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: 1266.9 lx
 (1%): 12.7 lx (2%): 25.3 lx
 (5%): 63.3 lx (10%): 126.7 lx
 (20%): 253.4 lx (50%): 633.4 lx
 (100%):1266.9 lx

The Average Illuminance Effective Figure

