

Report No.: 1

Test Time: 2017-01-11 11:48

Luminaire Property

Luminaire Category: 0405.W.A531.6
Luminaire Description: 60039
Length (mm): 158
Height (mm): 3
Current: 0.085 A
Power Factor: 0.963

Luminaire Manufacturer: Brasled
Width (mm): 158
Voltage: 230.1 V
Power: 18.82 W

Photometric Results

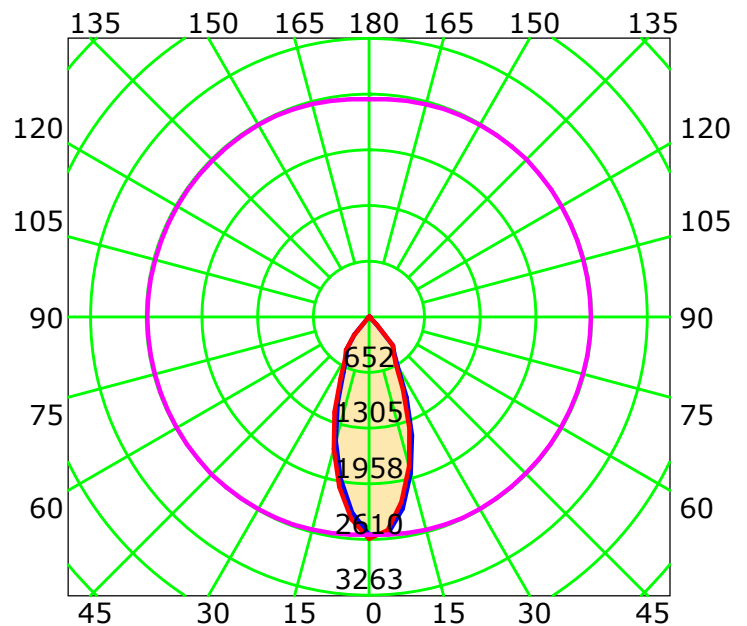
CIE Class: Direct
Measurement Flux: 1530.5 lm
Downward Ratio: 100%
Field Angle: H83.1 V83.3
Luminaire Efficacy Rating (LER): 81
Max. Intensity: 2610.81 cd

Total Rated Lamp Lumens: 1530.5 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H40.0 V39.7
Central Intensity: 2552.27 cd
Pos of Max. Intensity: H135 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



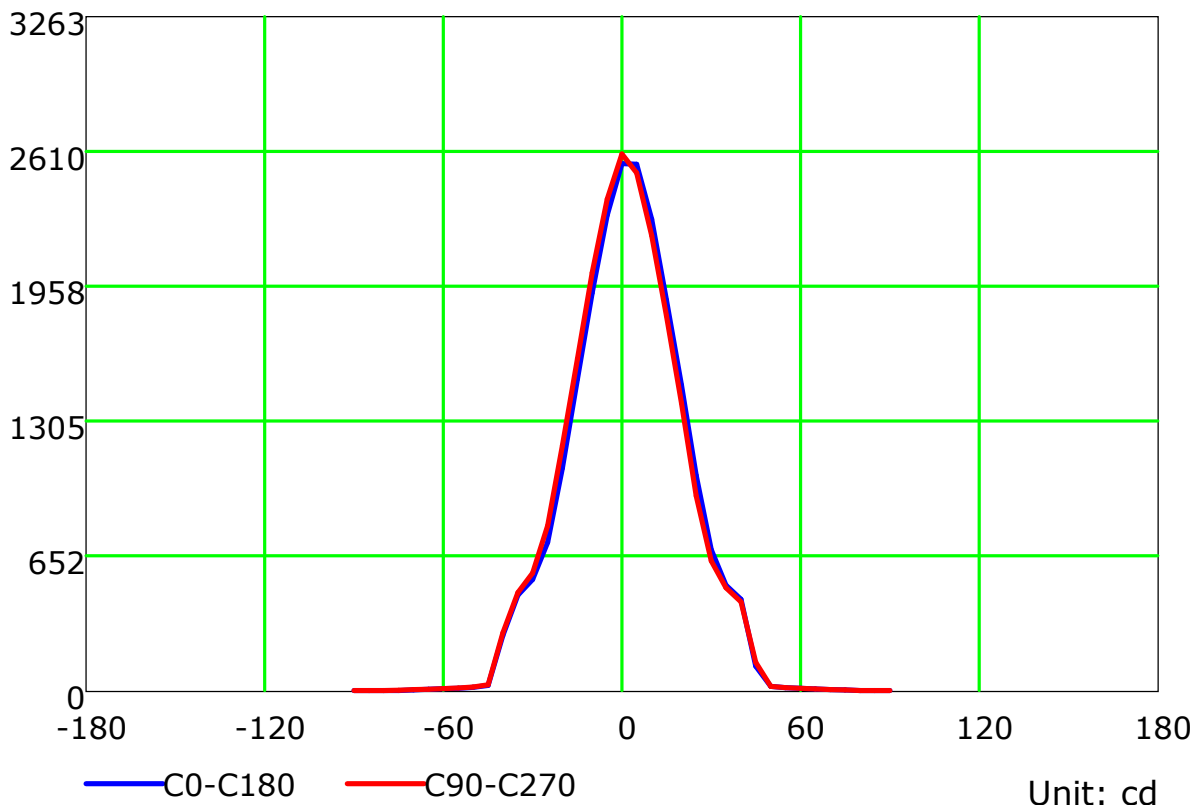
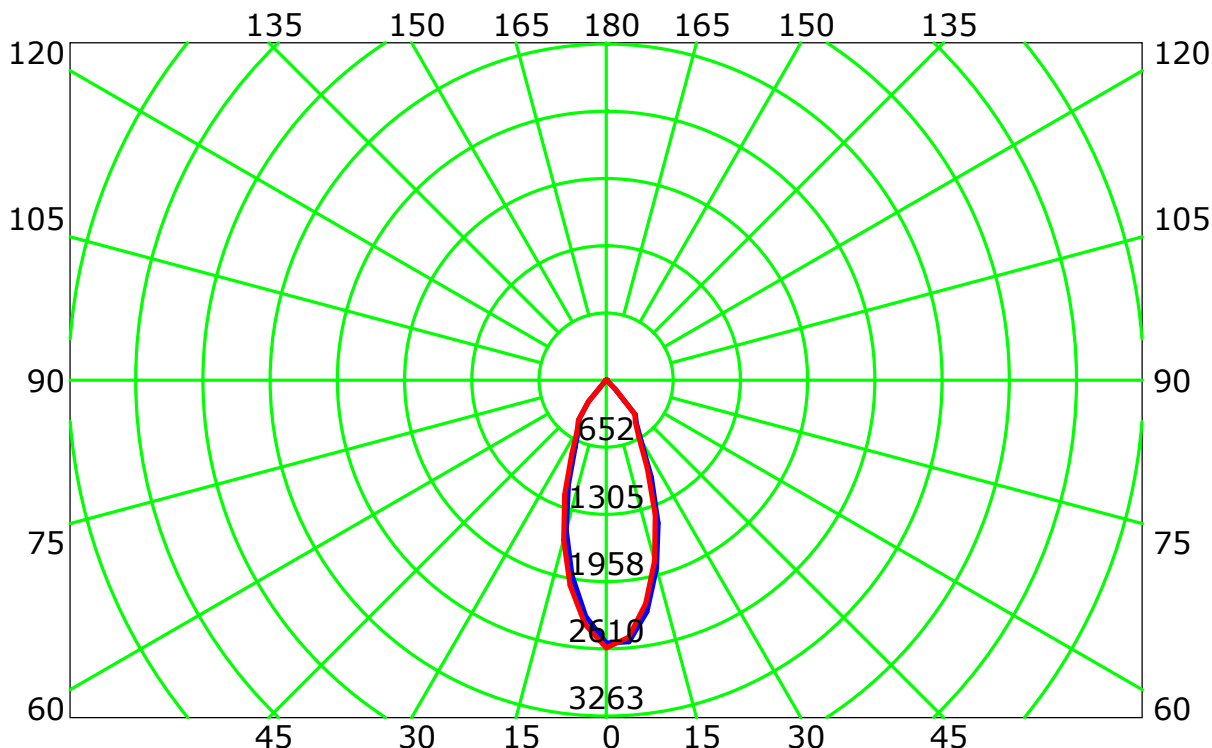
Average Diffuse Angle(50%): 39.9° Unit: cd

— 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



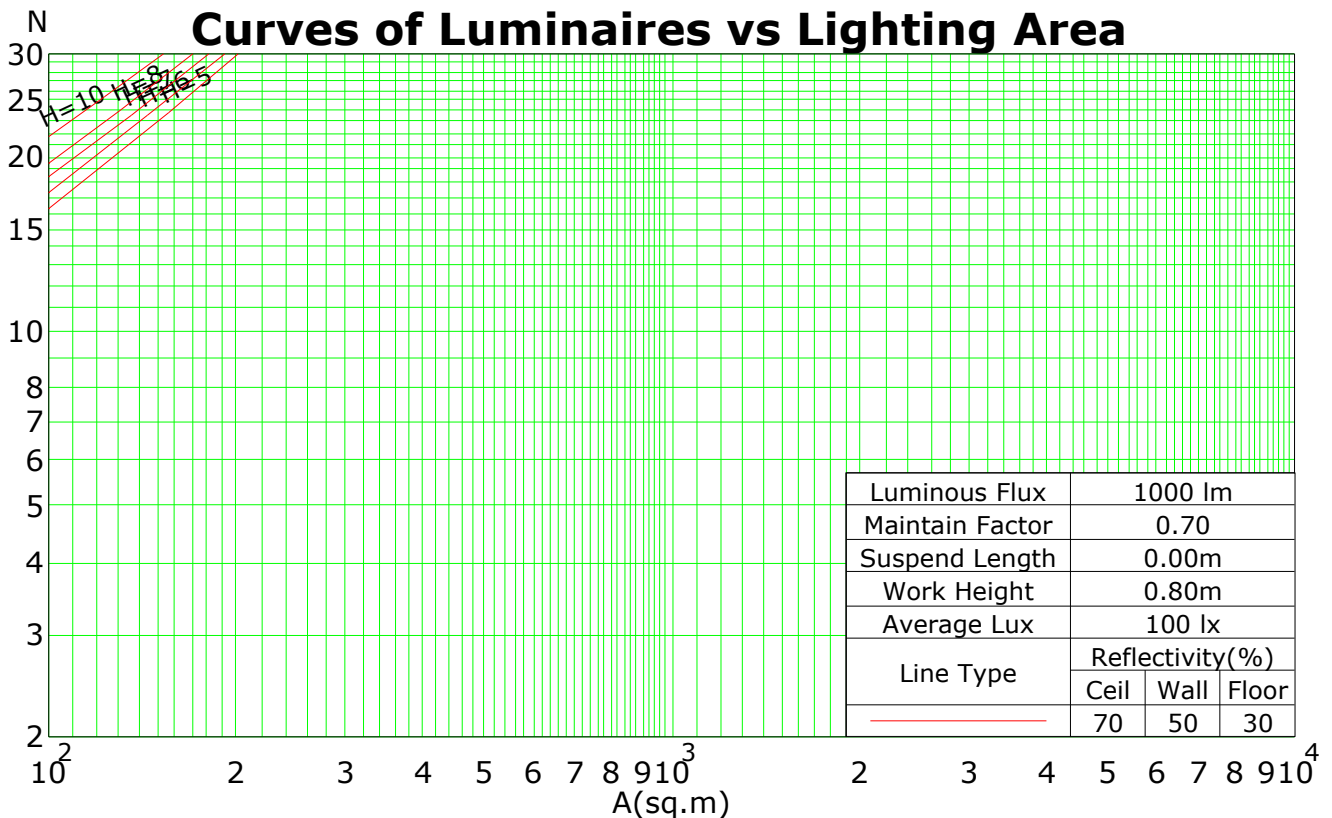
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 Inspector:

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 | 102 | 101 | 100 | 98 | 98 | 97 | 96 | 94 |
| 2 | 108 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 88 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 84 | 82 |
| 4 | 98 | 91 | 86 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 84 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 80 | 76 | 73 | 72 |
| 6 | 89 | 81 | 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 | 62 | 80 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 60 |
| 9 | 78 | 68 | 63 | 59 | 76 | 68 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 65 | 61 | 58 | 57 |
| 10 | 74 | 65 | 59 | 56 | 73 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 62 | 58 | 55 | 54 |

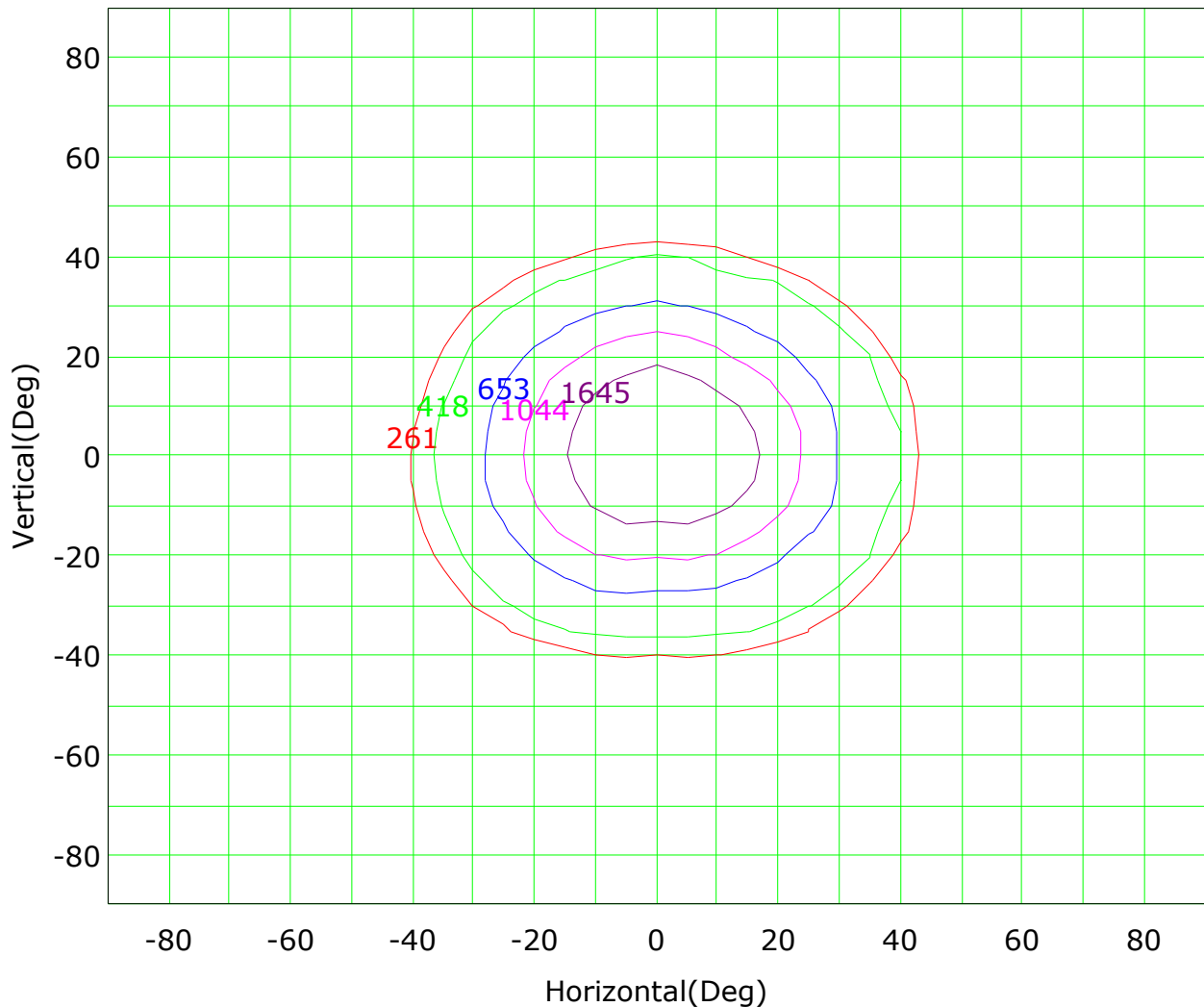
Spacing Criteria (0-180): 0.64
 Spacing Criteria (90-270): 0.63
 Spacing Criteria (Diagonal): 0.66



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 Distance: 1.0 m
 Humidity: 60
 Inspector:

Isocandela (rectangle)



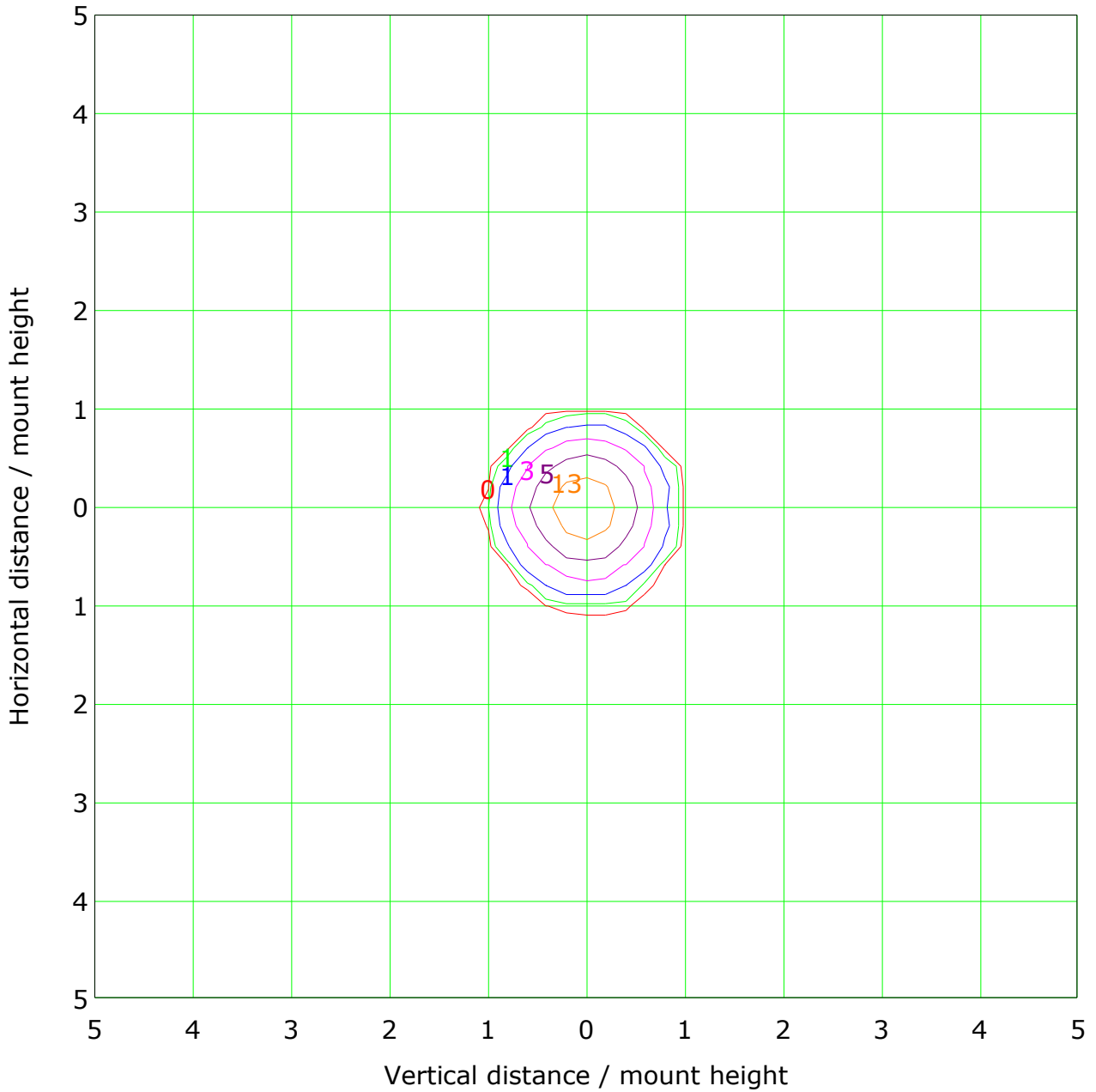
Imax (100%): 2611 cd

- | | |
|-------------------|-------------------|
| — (10%): 261 cd | — (16%): 418 cd |
| — (25%): 653 cd | — (40%): 1044 cd |
| — (63%): 1645 cd | — (100%): 2611 cd |

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 Distance: 1.0 m
 Humidity: 60
 Inspector:

IsoLux Plot



| | | | |
|------------------------|---------|------------------------|---------|
| Mounting Height: 10.0m | | Max Lux(100%): 26.1 lx | |
| — (1%): | 0.3 lx | — (2%): | 0.5 lx |
| — (5%): | 1.3 lx | — (10%): | 2.6 lx |
| — (20%): | 5.2 lx | — (50%): | 13.1 lx |
| — (100%): | 26.1 lx | | |

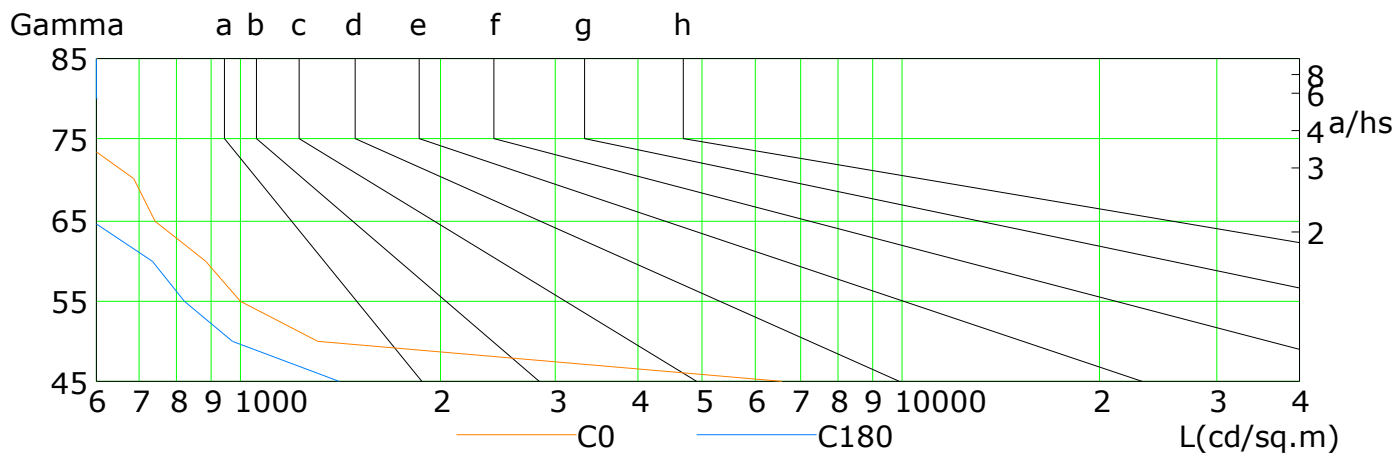
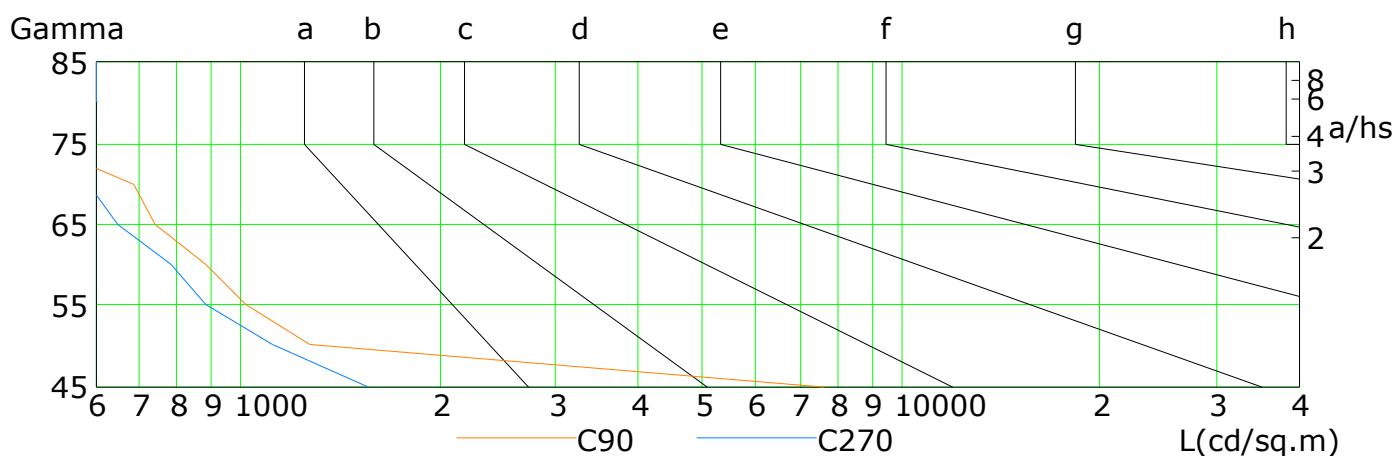
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 Test Type: TYPE C
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 Test Device: LSG-1200A
 Distance: 1.0 m
 Humidity: 60
 Inspector:

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

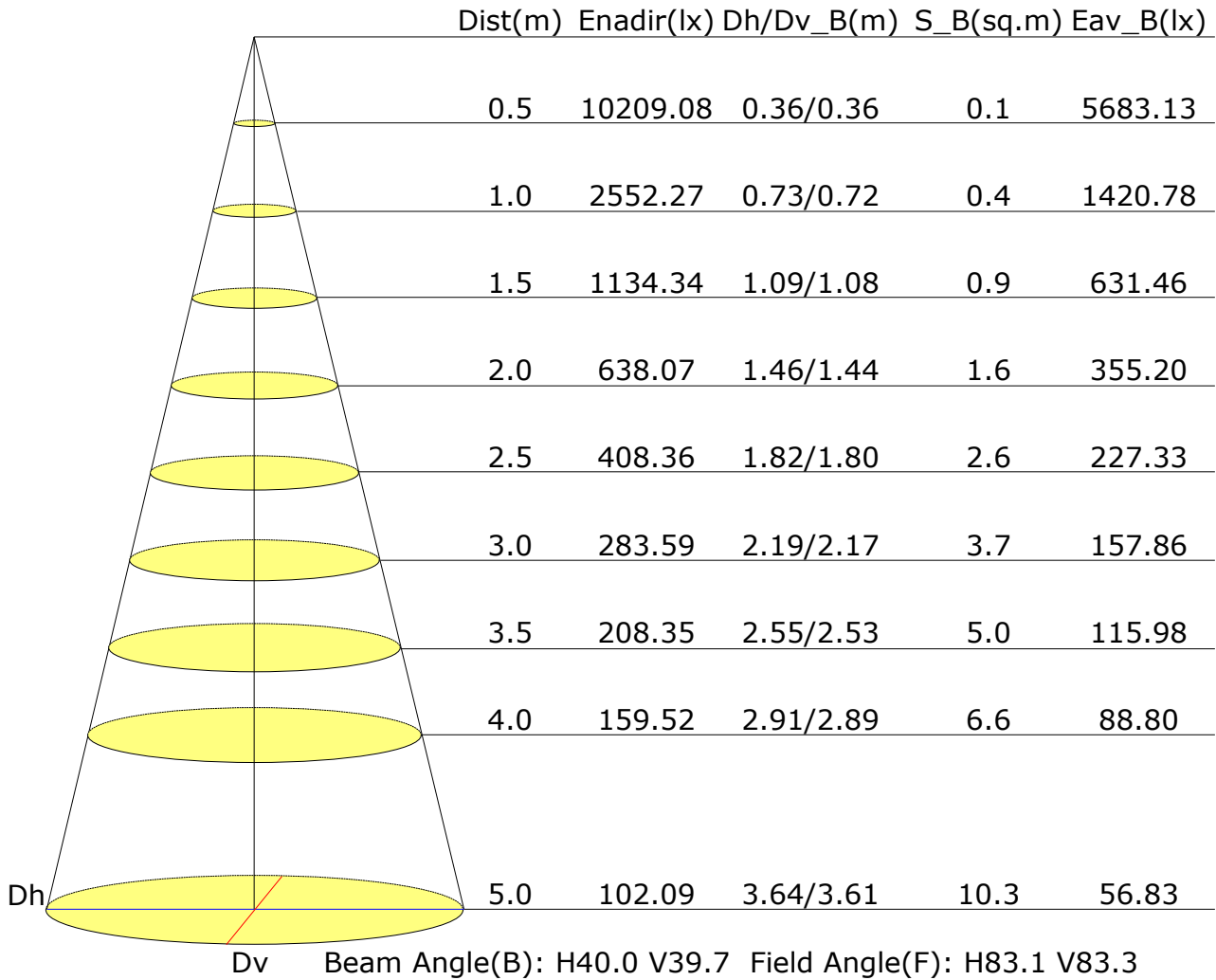


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|------|------|------|-----|-----|-----|-----|-----|-----|
| C0 | 6599 | 1308 | 995 | 883 | 740 | 688 | 564 | 135 | 0 |
| C90 | 7629 | 1268 | 1017 | 883 | 740 | 688 | 470 | 0 | 0 |
| C180 | 1410 | 971 | 818 | 731 | 592 | 506 | 94 | 0 | 0 |
| C270 | 1554 | 1110 | 885 | 782 | 651 | 579 | 376 | 0 | 0 |

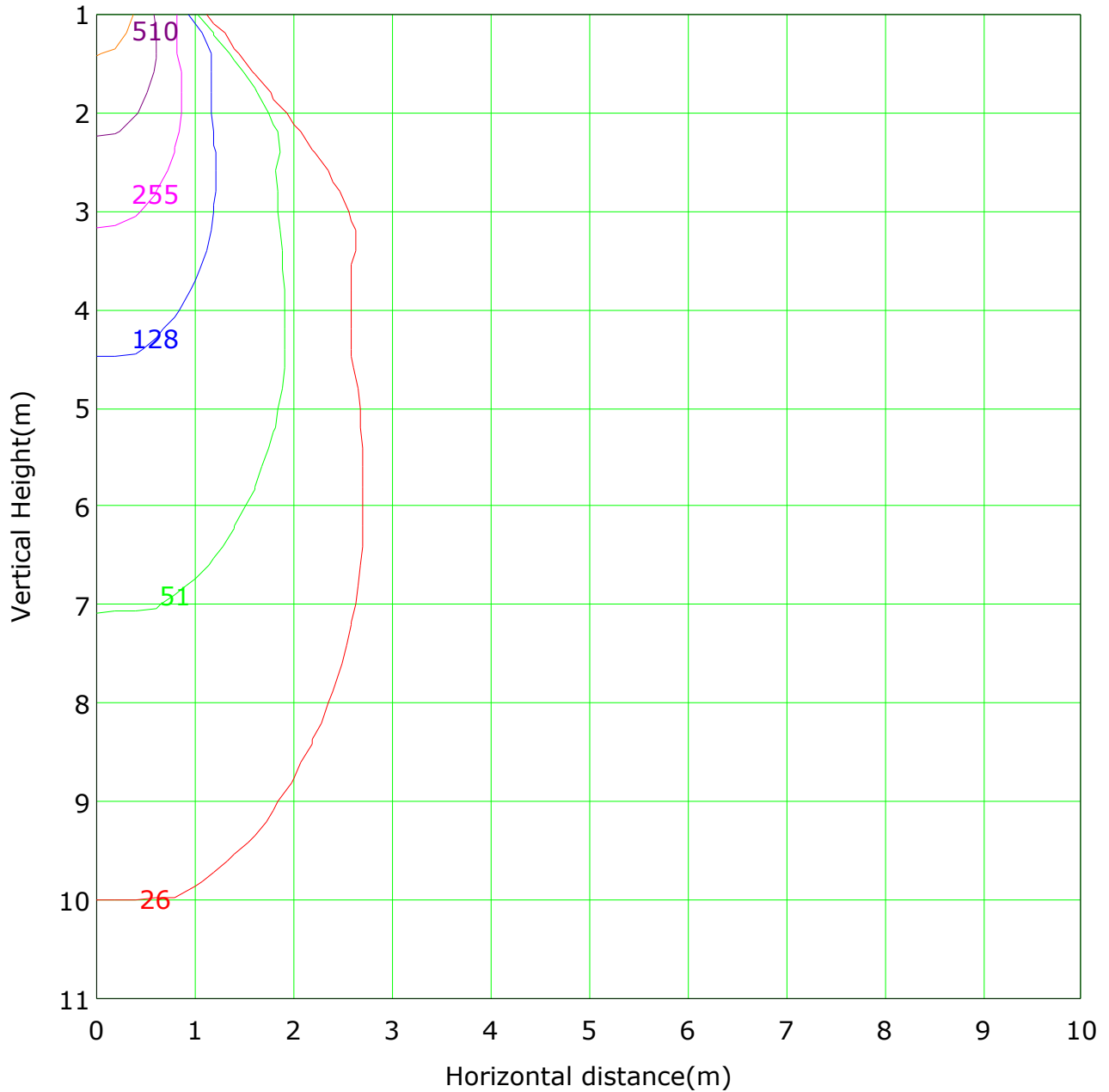
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 Humidity: 60
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2552.3 lx

| | |
|---------------------|---------------------|
| — (1%): 25.5 lx | — (2%): 51.0 lx |
| — (5%): 127.6 lx | — (10%): 255.2 lx |
| — (20%): 510.5 lx | — (50%): 1276.1 lx |
| — (100%): 2552.3 lx | |

The Average Illuminance Effective Figure

