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NT

Client:

LumCAT: 1-1298-L

Luminaire: 92.70.427.00

Report No: 2024727-B010

Ballast type: AC

Test No: 2024727-C010

Voltage(V): 35.770

LampCAT: TRIDONIC SLE G7 9MM

Current(A): 0.360

Lamp flux(lm): 2026.0

Power (W): 12.877

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1836.87, Efficiency(%): 90.67% , Luminous Efficacy(lm/W): 142.65

Central intensity(cd): 8767.607, Maximum intensity(cd): 8767.607

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.8

[C90/270]Total=17.8

Field angle(10%Imax): [C0/180]Total=50.4

[C90/270]Total=50.4

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.36 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.67%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.551%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0 | 8767.607 | 0.000 | 0 | 0.00% | 0.00% |
| 1.0 | 8694.015 | 8.355 | 8.355 | 0.41% | 0.45% |
| 2.0 | 8448.952 | 24.605 | 32.96 | 1.21% | 1.79% |
| 3.0 | 8048.585 | 39.457 | 72.417 | 1.95% | 3.94% |
| 4.0 | 7544.340 | 52.195 | 124.611 | 2.58% | 6.78% |
| 5.0 | 6901.617 | 62.146 | 186.757 | 3.07% | 10.17% |
| 6.0 | 6250.554 | 69.118 | 255.875 | 3.41% | 13.93% |
| 7.0 | 5555.892 | 73.282 | 329.158 | 3.62% | 17.92% |
| 8.0 | 4916.680 | 74.950 | 404.108 | 3.70% | 22.00% |
| 9.0 | 4337.819 | 75.003 | 479.111 | 3.70% | 26.08% |
| 10.0 | 3815.872 | 73.788 | 552.899 | 3.64% | 30.10% |
| 11.0 | 3405.775 | 72.159 | 625.058 | 3.56% | 34.03% |
| 12.0 | 3035.182 | 70.409 | 695.467 | 3.48% | 37.86% |
| 13.0 | 2731.084 | 68.431 | 763.898 | 3.38% | 41.59% |
| 14.0 | 2477.609 | 66.671 | 830.568 | 3.29% | 45.22% |
| 15.0 | 2256.028 | 64.985 | 895.554 | 3.21% | 48.75% |
| 16.0 | 2059.246 | 63.231 | 958.785 | 3.12% | 52.20% |
| 17.0 | 1865.610 | 61.121 | 1019.905 | 3.02% | 55.52% |
| 18.0 | 1708.769 | 58.934 | 1078.839 | 2.91% | 58.73% |
| 19.0 | 1544.131 | 56.594 | 1135.433 | 2.79% | 61.81% |
| 20.0 | 1400.231 | 53.890 | 1189.323 | 2.66% | 64.75% |
| 21.0 | 1278.007 | 51.428 | 1240.75 | 2.54% | 67.55% |
| 22.0 | 1173.713 | 49.268 | 1290.019 | 2.43% | 70.23% |
| 23.0 | 1079.316 | 47.275 | 1337.293 | 2.33% | 72.80% |
| 24.0 | 975.563 | 44.927 | 1382.22 | 2.22% | 75.25% |
| 25.0 | 888.745 | 42.390 | 1424.611 | 2.09% | 77.56% |
| 26.0 | 810.741 | 40.117 | 1464.727 | 1.98% | 79.74% |
| 27.0 | 730.478 | 37.706 | 1502.434 | 1.86% | 81.79% |
| 28.0 | 650.280 | 34.958 | 1537.391 | 1.73% | 83.70% |
| 29.0 | 574.018 | 32.031 | 1569.423 | 1.58% | 85.44% |
| 30.0 | 497.610 | 28.934 | 1598.356 | 1.43% | 87.02% |
| 31.0 | 421.179 | 25.569 | 1623.925 | 1.26% | 88.41% |
| 32.0 | 349.760 | 22.086 | 1646.011 | 1.09% | 89.61% |
| 33.0 | 287.024 | 18.760 | 1664.771 | 0.93% | 90.63% |
| 34.0 | 246.892 | 16.158 | 1680.929 | 0.80% | 91.51% |
| 35.0 | 172.715 | 13.031 | 1693.96 | 0.64% | 92.22% |
| 36.0 | 127.952 | 9.573 | 1703.534 | 0.47% | 92.74% |
| 37.0 | 105.501 | 7.614 | 1711.148 | 0.38% | 93.16% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0 | 92.758 | 6.618 | 1717.765 | 0.33% | 93.52% |
| 39.0 | 81.602 | 5.951 | 1723.717 | 0.29% | 93.84% |
| 40.0 | 73.870 | 5.422 | 1729.139 | 0.27% | 94.13% |
| 41.0 | 66.101 | 4.984 | 1734.123 | 0.25% | 94.41% |
| 42.0 | 60.198 | 4.589 | 1738.712 | 0.23% | 94.66% |
| 43.0 | 54.777 | 4.259 | 1742.971 | 0.21% | 94.89% |
| 44.0 | 50.395 | 3.969 | 1746.94 | 0.20% | 95.10% |
| 45.0 | 46.481 | 3.723 | 1750.664 | 0.18% | 95.31% |
| 46.0 | 42.985 | 3.499 | 1754.162 | 0.17% | 95.50% |
| 47.0 | 40.110 | 3.305 | 1757.467 | 0.16% | 95.68% |
| 48.0 | 37.557 | 3.140 | 1760.607 | 0.15% | 95.85% |
| 49.0 | 35.457 | 2.998 | 1763.605 | 0.15% | 96.01% |
| 50.0 | 33.650 | 2.881 | 1766.487 | 0.14% | 96.17% |
| 51.0 | 32.048 | 2.780 | 1769.266 | 0.14% | 96.32% |
| 52.0 | 30.710 | 2.693 | 1771.959 | 0.13% | 96.47% |
| 53.0 | 29.583 | 2.623 | 1774.582 | 0.13% | 96.61% |
| 54.0 | 28.720 | 2.570 | 1777.152 | 0.13% | 96.75% |
| 55.0 | 27.857 | 2.525 | 1779.677 | 0.12% | 96.89% |
| 56.0 | 27.191 | 2.487 | 1782.165 | 0.12% | 97.02% |
| 57.0 | 26.635 | 2.461 | 1784.626 | 0.12% | 97.16% |
| 58.0 | 26.174 | 2.442 | 1787.068 | 0.12% | 97.29% |
| 59.0 | 25.626 | 2.422 | 1789.49 | 0.12% | 97.42% |
| 60.0 | 25.026 | 2.393 | 1791.882 | 0.12% | 97.55% |
| 61.0 | 24.375 | 2.357 | 1794.24 | 0.12% | 97.68% |
| 62.0 | 23.526 | 2.308 | 1796.548 | 0.11% | 97.80% |
| 63.0 | 22.590 | 2.243 | 1798.791 | 0.11% | 97.93% |
| 64.0 | 21.529 | 2.165 | 1800.956 | 0.11% | 98.04% |
| 65.0 | 20.556 | 2.083 | 1803.039 | 0.10% | 98.16% |
| 66.0 | 19.539 | 2.000 | 1805.039 | 0.10% | 98.27% |
| 67.0 | 18.544 | 1.915 | 1806.954 | 0.09% | 98.37% |
| 68.0 | 17.696 | 1.836 | 1808.79 | 0.09% | 98.47% |
| 69.0 | 16.847 | 1.762 | 1810.552 | 0.09% | 98.57% |
| 70.0 | 16.138 | 1.694 | 1812.246 | 0.08% | 98.66% |
| 71.0 | 15.450 | 1.633 | 1813.879 | 0.08% | 98.75% |
| 72.0 | 14.850 | 1.576 | 1815.454 | 0.08% | 98.83% |
| 73.0 | 14.294 | 1.524 | 1816.978 | 0.08% | 98.92% |
| 74.0 | 13.782 | 1.476 | 1818.454 | 0.07% | 99.00% |
| 75.0 | 13.321 | 1.432 | 1819.886 | 0.07% | 99.08% |

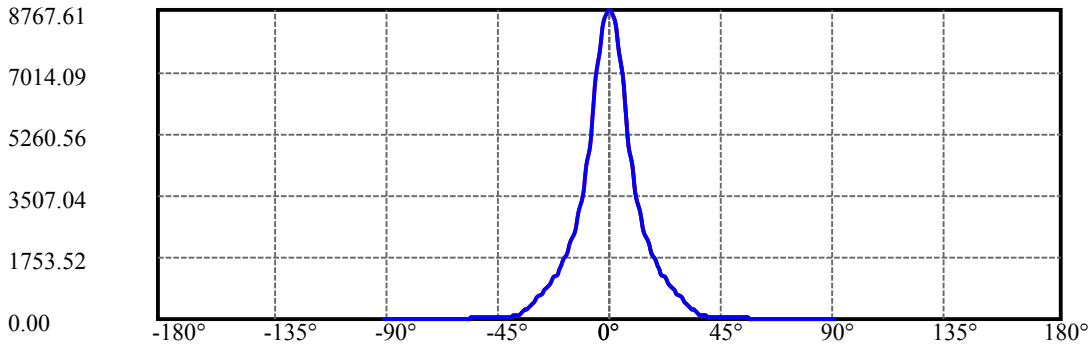
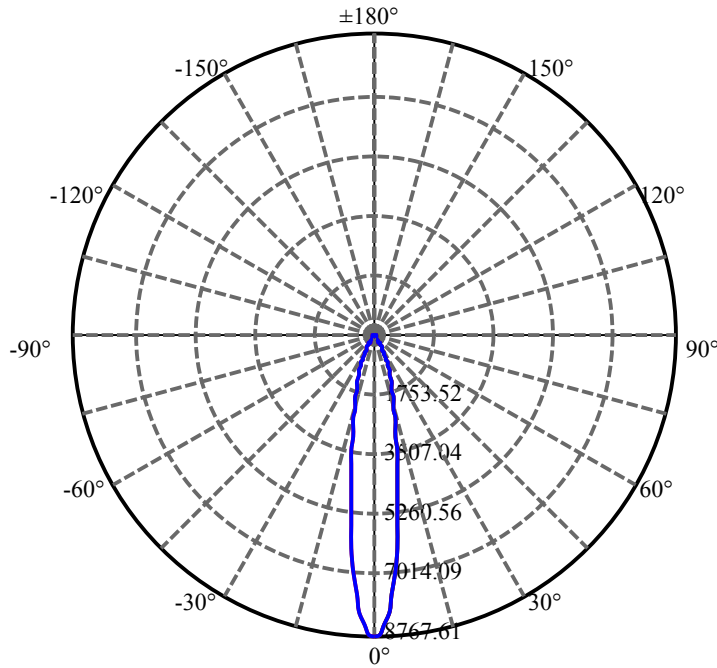
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0 | 12.875 | 1.391 | 1821.277 | 0.07% | 99.15% |
| 77.0 | 12.473 | 1.351 | 1822.628 | 0.07% | 99.22% |
| 78.0 | 12.041 | 1.312 | 1823.941 | 0.06% | 99.30% |
| 79.0 | 11.668 | 1.274 | 1825.214 | 0.06% | 99.37% |
| 80.0 | 11.288 | 1.238 | 1826.452 | 0.06% | 99.43% |
| 81.0 | 10.922 | 1.201 | 1827.653 | 0.06% | 99.50% |
| 82.0 | 10.615 | 1.168 | 1828.821 | 0.06% | 99.56% |
| 83.0 | 10.285 | 1.136 | 1829.957 | 0.06% | 99.62% |
| 84.0 | 9.971 | 1.104 | 1831.061 | 0.05% | 99.68% |
| 85.0 | 9.634 | 1.070 | 1832.131 | 0.05% | 99.74% |
| 86.0 | 9.108 | 1.024 | 1833.155 | 0.05% | 99.80% |
| 87.0 | 8.734 | 0.976 | 1834.132 | 0.05% | 99.85% |
| 88.0 | 8.449 | 0.941 | 1835.073 | 0.05% | 99.90% |
| 89.0 | 8.186 | 0.912 | 1835.985 | 0.05% | 99.95% |
| 90.0 | 8.025 | 0.889 | 1836.873 | 0.04% | 100.00% |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|--------|---------|
| 0-30 | 1598.36 | 78.89% | 87.02% |
| 0-40 | 1729.14 | 85.35% | 94.13% |
| 0-60 | 1791.88 | 88.44% | 97.55% |
| 0-90 | 1835.98 | 90.62% | 99.95% |
| 0-120 | 1835.98 | 90.62% | 99.95% |
| 0-180 | 1836.87 | 90.67% | 100.00% |
| 60-90 | 44.10 | 2.18% | 2.40% |
| 90-120 | 0.00 | 0.00% | 0.00% |
| 90-130 | 0.00 | 0.00% | 0.00% |
| 90-150 | 0.00 | 0.00% | 0.00% |
| 90-180 | 0.00 | 0.00% | 0.00% |
| 0-26.13 | 1469.50 | 72.53% | 80.00% |

ZONAL LUMEN SUMMARY

| | |
|---------|--------|
| 0-10 | 552.90 |
| 10-20 | 636.42 |
| 20-30 | 409.03 |
| 30-40 | 130.78 |
| 40-50 | 37.35 |
| 50-60 | 25.40 |
| 60-70 | 20.36 |
| 70-80 | 14.21 |
| 80-90 | 9.53 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |



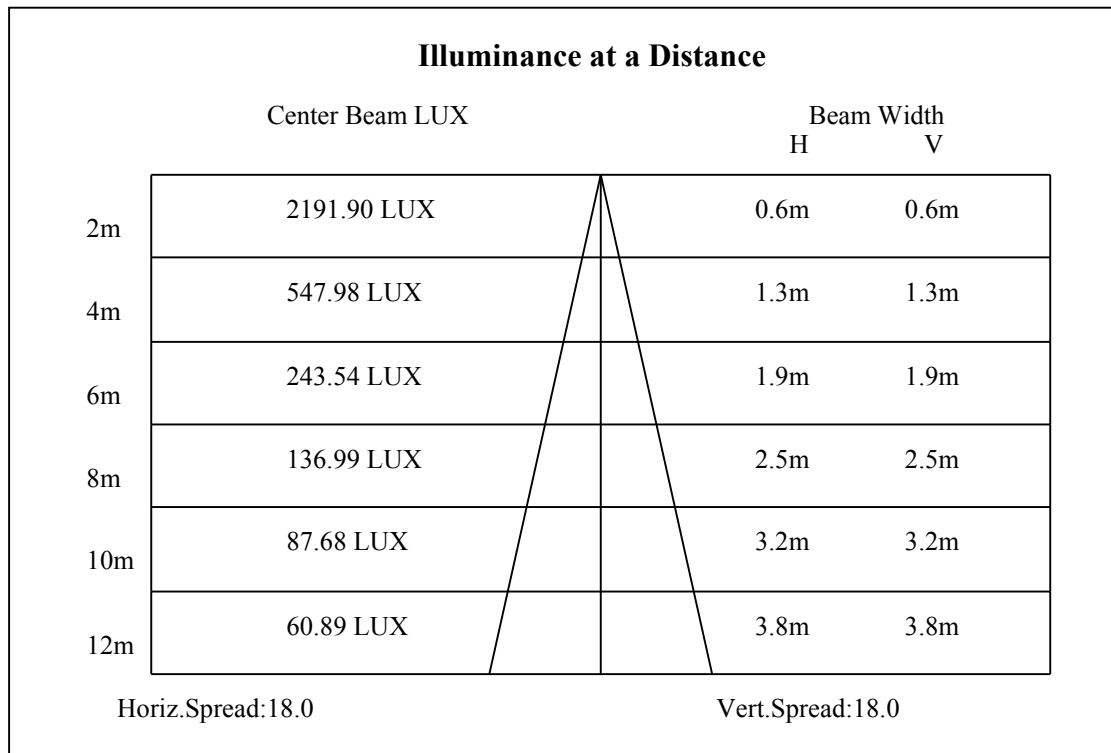
C0(Max): —————

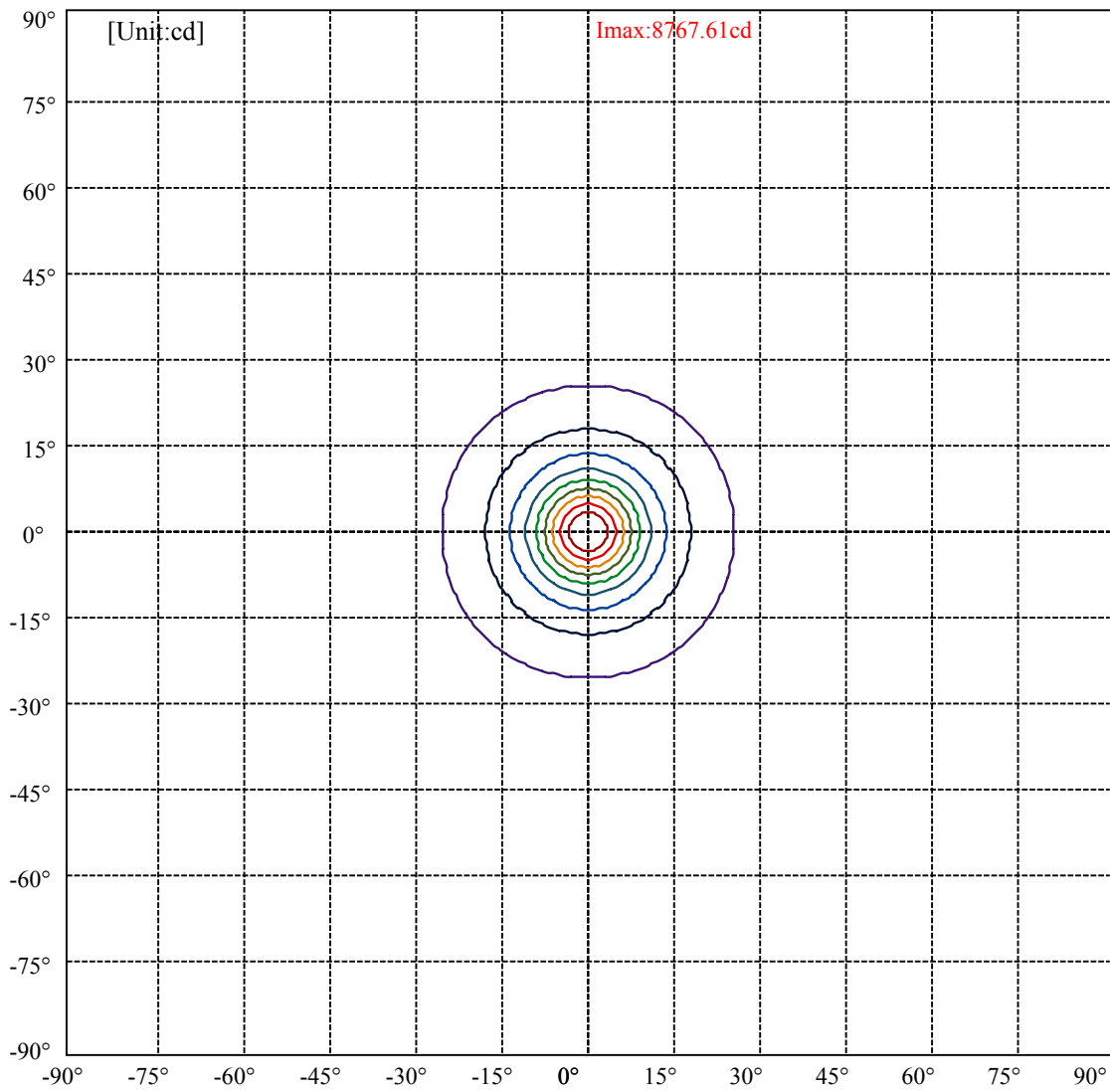
C0/C180: —————

C90/C270: —————

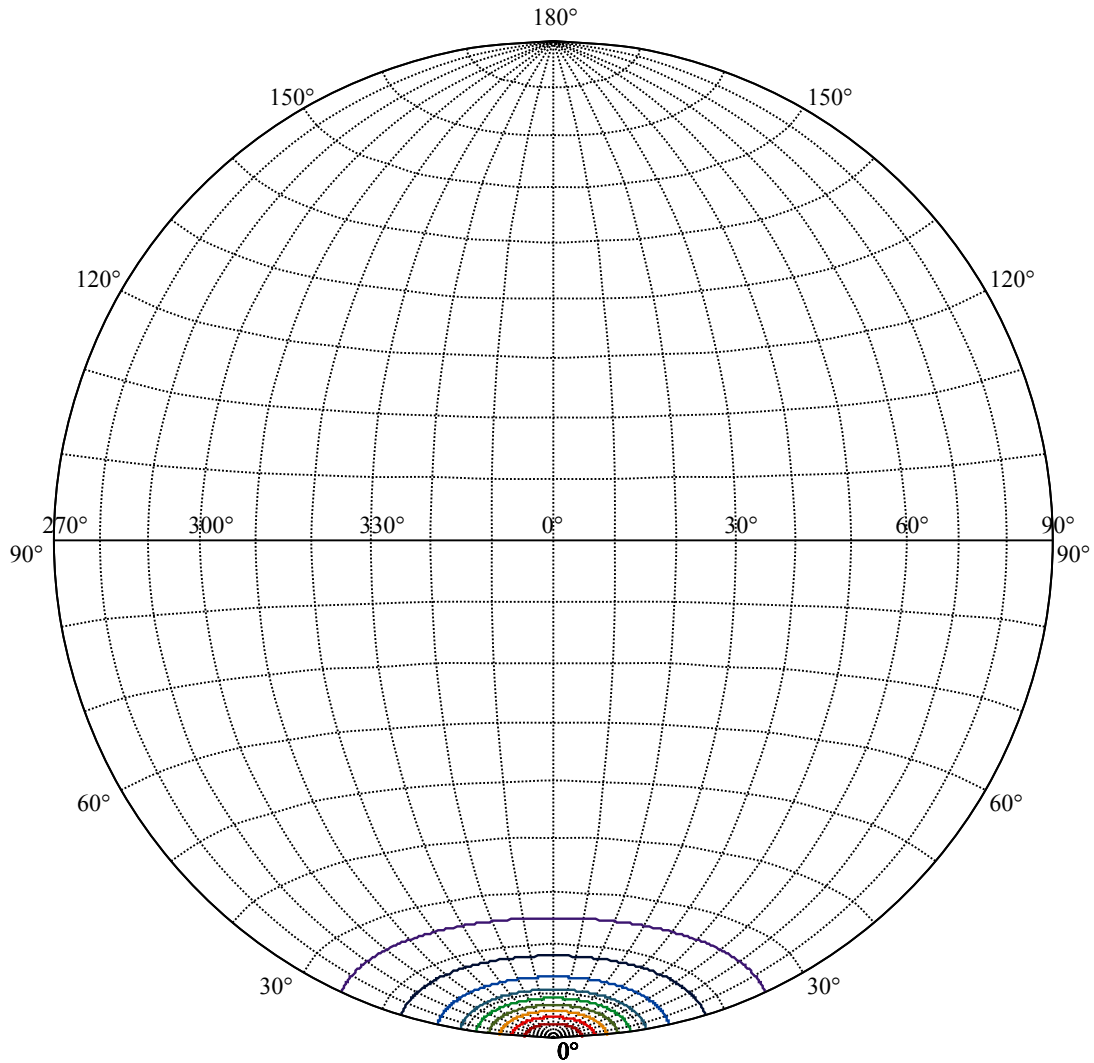
Field angle(10%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2

Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9
:C90/270Left:8.9 Right:8.9





| | |
|-------------------|---|
| (10%Imax) 876.761 | — |
| (20%Imax) 1753.52 | — |
| (30%Imax) 2630.28 | — |
| (40%Imax) 3507.04 | — |
| (50%Imax) 4383.8 | — |
| (60%Imax) 5260.56 | — |
| (70%Imax) 6137.33 | — |
| (80%Imax) 7014.09 | — |
| (90%Imax) 7890.85 | — |



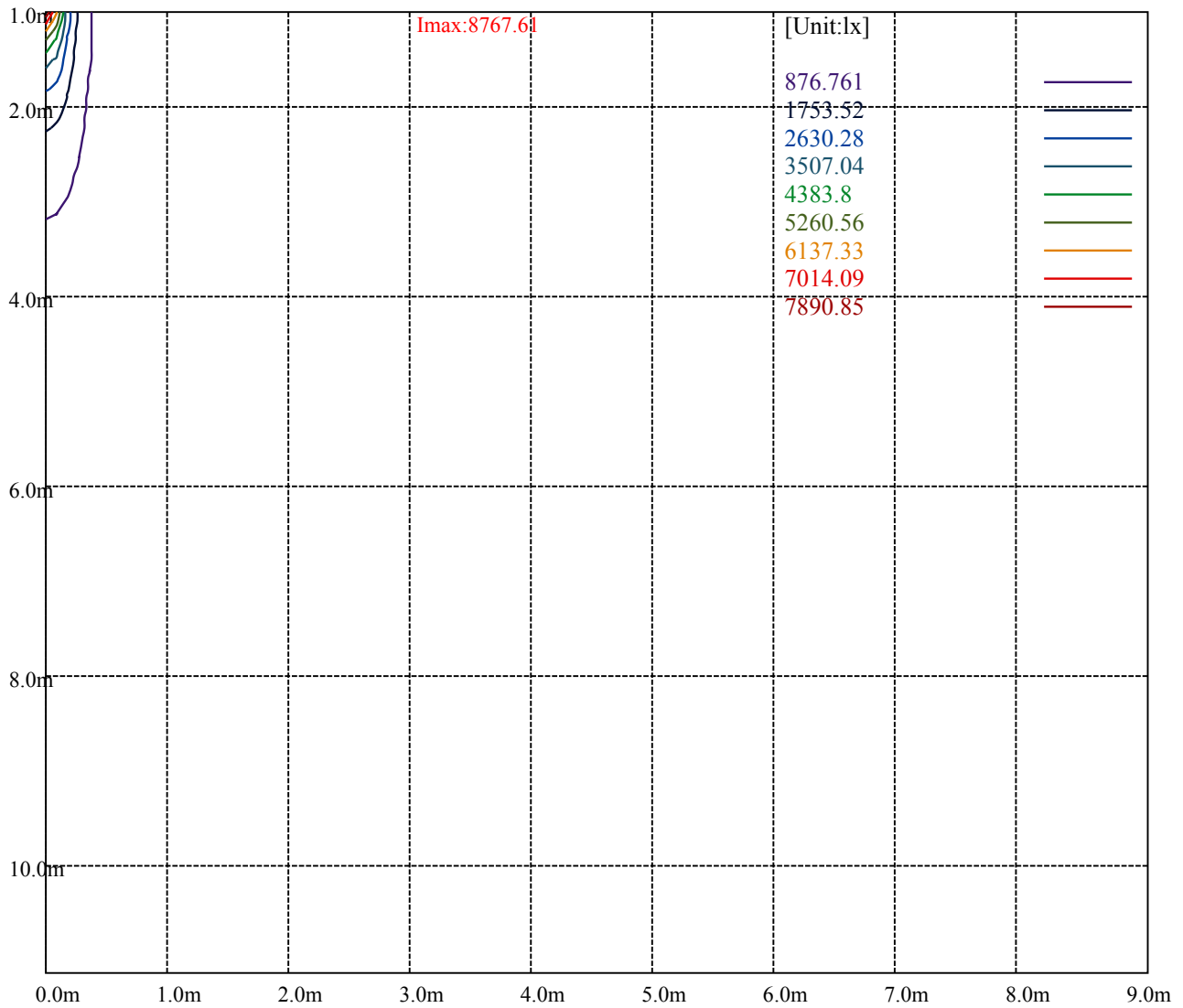
House

[Unit:cd]

Road

Imax:8767.61

| | |
|-------------------|---|
| (10%Imax) 876.761 | — |
| (20%Imax) 1753.52 | — |
| (30%Imax) 2630.28 | — |
| (40%Imax) 3507.04 | — |
| (50%Imax) 4383.8 | — |
| (60%Imax) 5260.56 | — |
| (70%Imax) 6137.33 | — |
| (80%Imax) 7014.09 | — |
| (90%Imax) 7890.85 | — |



Luminance Table

| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|----|----|----|----|----|----|----|----|
| C0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Glare Table

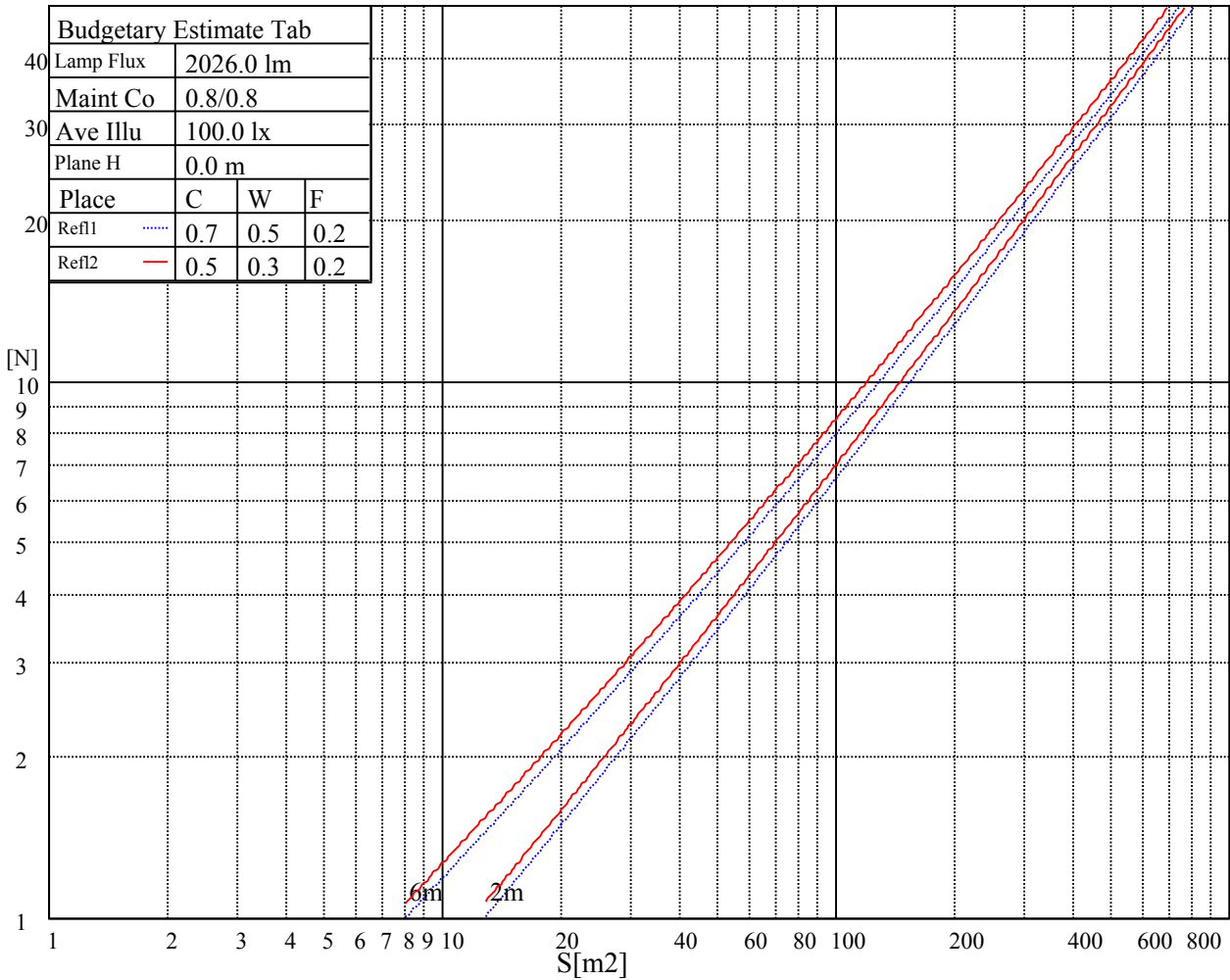
| Glare | Quality | Service Values Illuminance(lx) | | | | | | | |
|-------|---------|--------------------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.2 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |

Luminance Limiting Curve

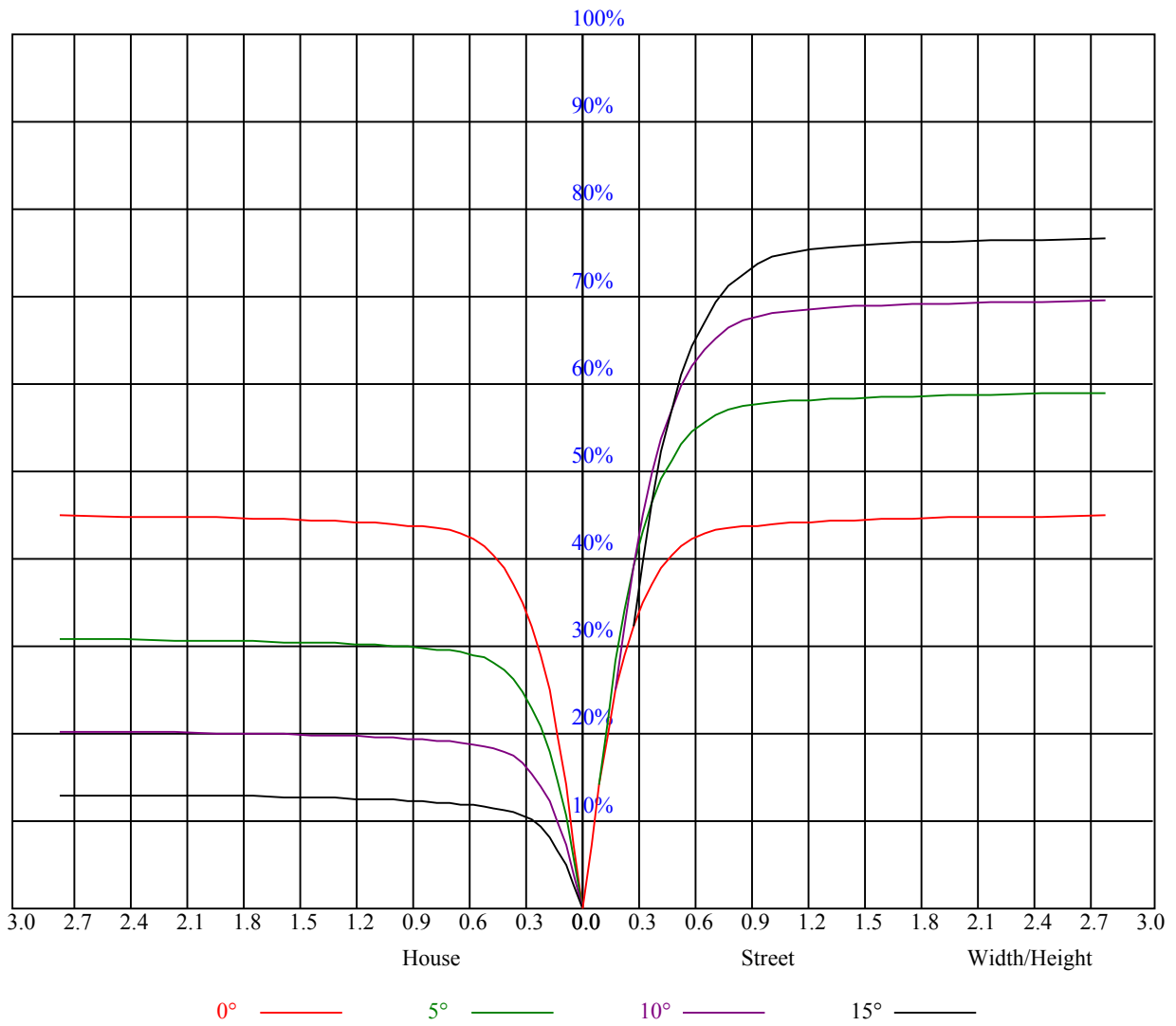


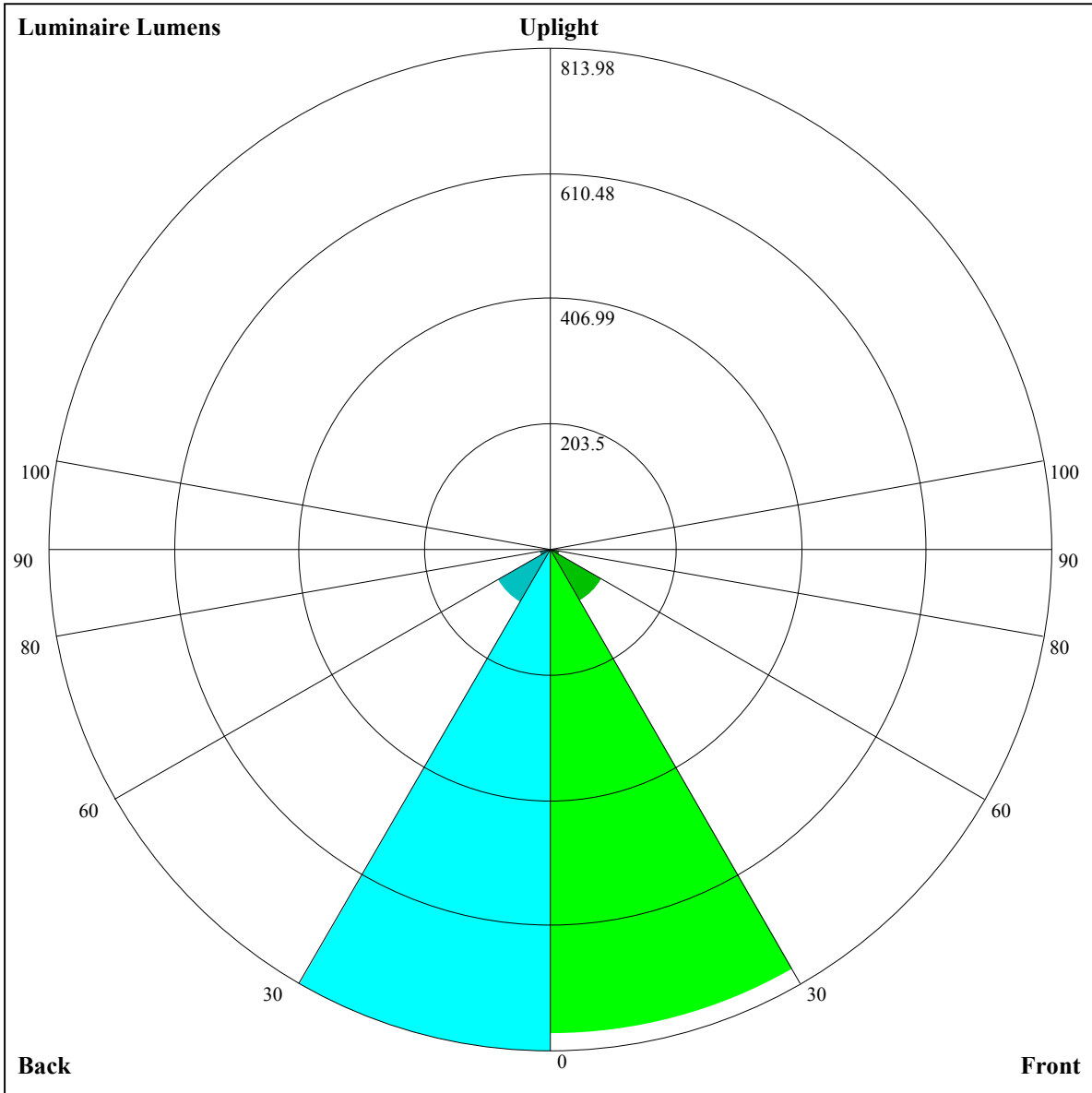
| Illumination assessment according UGR | | | | | | | | | | | |
|---|-----|------------------|-----|-----|-----|-----|----------------|-----|-----|-----|-----|
| Rf of Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 | |
| Rf of Wall | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 | |
| Rf of Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X | Y | | | | | | | | | | |
| 2H | 2H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 3H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 4H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 6H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 8H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| 4H | 12H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 2H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 3H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 4H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 6H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| 8H | 8H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 12H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 4H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 6H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 8H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| 12H | 12H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 4H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| | 6H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 |
| 8H | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | 非数字 | |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 非数字/非数字 | | | | | 非数字/非数字 | | | | |
| S = 1.5H | | 非数字/非数字 | | | | | 非数字/非数字 | | | | |
| S = 2.0H | | 非数字/非数字 | | | | | 非数字/非数字 | | | | |
| Standard tables: | | BK0 | | | | | BK0 | | | | |
| Uncorrected UGR | | 负无穷大 | | | | | 负无穷大 | | | | |

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



| RHOCC | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 |
|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RHOW | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | COEFFICIENTS OF UTILIZATION RHOF=20 CU | | | | | | | | | | | | | | | |
| 0 | 1.08 | 1.08 | 1.08 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | 0.96 | 0.96 | 0.96 | 0.93 | 0.93 | 0.93 | 0.91 |
| 1 | 1.01 | 0.99 | 0.97 | 0.99 | 0.97 | 0.96 | 0.96 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.89 | 0.88 | 0.87 | 0.86 |
| 2 | 0.95 | 0.92 | 0.90 | 0.94 | 0.91 | 0.89 | 0.91 | 0.89 | 0.87 | 0.88 | 0.87 | 0.85 | 0.86 | 0.84 | 0.83 | 0.82 |
| 3 | 0.91 | 0.87 | 0.84 | 0.89 | 0.86 | 0.83 | 0.87 | 0.84 | 0.82 | 0.85 | 0.83 | 0.80 | 0.83 | 0.81 | 0.79 | 0.78 |
| 4 | 0.86 | 0.82 | 0.79 | 0.85 | 0.81 | 0.78 | 0.83 | 0.80 | 0.78 | 0.82 | 0.79 | 0.77 | 0.80 | 0.78 | 0.76 | 0.75 |
| 5 | 0.82 | 0.78 | 0.75 | 0.82 | 0.78 | 0.75 | 0.80 | 0.77 | 0.74 | 0.79 | 0.76 | 0.73 | 0.77 | 0.75 | 0.73 | 0.72 |
| 6 | 0.79 | 0.75 | 0.71 | 0.78 | 0.74 | 0.71 | 0.77 | 0.73 | 0.71 | 0.76 | 0.73 | 0.70 | 0.75 | 0.72 | 0.70 | 0.69 |
| 7 | 0.76 | 0.72 | 0.68 | 0.75 | 0.71 | 0.68 | 0.74 | 0.71 | 0.68 | 0.73 | 0.70 | 0.68 | 0.72 | 0.69 | 0.67 | 0.66 |
| 8 | 0.73 | 0.69 | 0.66 | 0.73 | 0.69 | 0.66 | 0.72 | 0.68 | 0.65 | 0.71 | 0.68 | 0.65 | 0.70 | 0.67 | 0.65 | 0.64 |
| 9 | 0.71 | 0.66 | 0.63 | 0.70 | 0.66 | 0.63 | 0.69 | 0.66 | 0.63 | 0.69 | 0.65 | 0.63 | 0.68 | 0.65 | 0.63 | 0.62 |
| 10 | 0.68 | 0.64 | 0.61 | 0.68 | 0.64 | 0.61 | 0.67 | 0.64 | 0.61 | 0.67 | 0.63 | 0.61 | 0.66 | 0.63 | 0.61 | 0.60 |





Luminaire Lumens:

FL=785.69,FM=96.92,FH=17.25,FVH=5.21

BL=813.98,BM=99.93,BH=17.27,BVH=5.23

UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

| | | | | | | | | | |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| C/γ(°) | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 |
| 0.0 | 8703.52 | 8537.91 | 8242.37 | 7688.74 | 7130.44 | 6326.34 | 5721.80 | 5103.81 | 4394.51 |
| 45.0 | 8834.03 | 8711.72 | 8438.42 | 8038.71 | 7418.37 | 6819.69 | 6195.25 | 5404.03 | 4846.31 |
| 90.0 | 8662.56 | 8317.86 | 7742.59 | 7186.62 | 6580.33 | 5951.80 | 5205.05 | 4657.86 | 4160.42 |
| 135.0 | 8870.31 | 8738.64 | 8472.36 | 7963.22 | 7422.47 | 6825.54 | 6212.22 | 5450.84 | 4883.76 |
| 180.0 | 8703.52 | 8726.35 | 8536.15 | 8244.12 | 7835.05 | 7196.57 | 6594.96 | 5957.06 | 5326.78 |
| 225.0 | 8834.03 | 8806.52 | 8592.92 | 8272.21 | 7788.23 | 7072.50 | 6429.93 | 5600.66 | 4953.40 |
| 270.0 | 8662.56 | 8876.17 | 8951.66 | 8835.20 | 8546.68 | 7986.62 | 7438.27 | 6765.84 | 5919.61 |
| 315.0 | 8870.31 | 8836.96 | 8615.16 | 8159.85 | 7633.15 | 7033.88 | 6206.95 | 5507.03 | 4848.65 |
| 360.0 | 8703.52 | 8537.91 | 8242.37 | 7688.74 | 7130.44 | 6326.34 | 5721.80 | 5103.81 | 4394.51 |
| C/γ(°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
| 0.0 | 3901.75 | 3493.85 | 3160.86 | 2874.68 | 2565.68 | 2344.47 | 2157.78 | 1975.78 | 1780.31 |
| 45.0 | 4309.07 | 3746.67 | 3363.35 | 3035.62 | 2688.00 | 2462.69 | 2247.91 | 2075.27 | 1859.90 |
| 90.0 | 3618.50 | 3260.35 | 2932.62 | 2586.17 | 2349.74 | 2142.57 | 1921.94 | 1754.56 | 1611.18 |
| 135.0 | 4357.06 | 3909.36 | 3423.62 | 3081.85 | 2805.63 | 2498.97 | 2270.15 | 2069.41 | 1849.37 |
| 180.0 | 4608.71 | 4084.93 | 3641.33 | 3165.54 | 2870.59 | 2620.11 | 2345.64 | 2146.08 | 1931.89 |
| 225.0 | 4374.62 | 3761.88 | 3385.00 | 3057.27 | 2726.04 | 2491.36 | 2288.29 | 2100.43 | 1936.57 |
| 270.0 | 5275.86 | 4631.53 | 4075.57 | 3538.91 | 3176.66 | 2883.46 | 2639.42 | 2354.42 | 2157.78 |
| 315.0 | 4256.99 | 3638.40 | 3263.86 | 2941.40 | 2666.34 | 2377.24 | 2177.10 | 1998.02 | 1797.87 |
| 360.0 | 3901.75 | 3493.85 | 3160.86 | 2874.68 | 2565.68 | 2344.47 | 2157.78 | 1975.78 | 1780.31 |
| C/γ(°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
| 0.0 | 1647.47 | 1492.38 | 1166.94 | 1166.94 | 1113.92 | 1011.91 | 920.21 | 831.72 | 767.00 |
| 45.0 | 1710.67 | 1583.09 | 1463.71 | 1317.99 | 1200.94 | 1087.41 | 961.00 | 881.41 | 796.55 |
| 90.0 | 1453.17 | 1162.55 | 1162.55 | 1105.84 | 974.81 | 882.40 | 813.23 | 746.40 | 675.88 |
| 135.0 | 1699.55 | 1575.48 | 1432.69 | 1315.64 | 1203.28 | 1094.43 | 969.78 | 890.77 | 821.71 |
| 180.0 | 1775.05 | 1636.35 | 1503.50 | 1388.80 | 1249.51 | 1143.59 | 1048.78 | 964.51 | 857.41 |
| 225.0 | 1747.54 | 1611.18 | 1482.43 | 1292.24 | 1153.42 | 1126.97 | 1026.07 | 908.56 | 836.81 |
| 270.0 | 1978.12 | 1770.95 | 1616.45 | 1491.80 | 1349.00 | 1237.81 | 1110.82 | 1019.52 | 925.30 |
| 315.0 | 1658.59 | 1521.06 | 1373.58 | 1144.82 | 1144.82 | 1050.01 | 954.62 | 867.07 | 805.27 |
| 360.0 | 1647.47 | 1492.38 | 1166.94 | 1166.94 | 1113.92 | 1011.91 | 920.21 | 831.72 | 767.00 |
| C/γ(°) | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 |
| 0.0 | 686.76 | 614.02 | 524.19 | 450.27 | 382.21 | 313.15 | 236.49 | 183.94 | 139.11 |
| 45.0 | 719.89 | 640.88 | 564.80 | 477.60 | 410.30 | 345.34 | 300.28 | 300.28 | 157.54 |
| 90.0 | 589.73 | 523.60 | 444.54 | 377.70 | 314.50 | 240.88 | 190.02 | 147.07 | 112.83 |
| 135.0 | 755.00 | 659.61 | 587.04 | 513.30 | 424.35 | 356.46 | 305.55 | 305.55 | 163.39 |
| 180.0 | 782.50 | 692.38 | 617.47 | 547.83 | 451.27 | 378.70 | 305.55 | 305.55 | 173.40 |
| 225.0 | 749.32 | 670.84 | 594.88 | 502.01 | 428.33 | 359.56 | 293.26 | 215.77 | 164.86 |
| 270.0 | 841.03 | 757.34 | 688.87 | 614.54 | 546.07 | 458.87 | 384.55 | 308.47 | 308.47 |
| 315.0 | 719.59 | 643.57 | 570.36 | 497.62 | 412.41 | 345.11 | 280.50 | 208.52 | 162.11 |
| 360.0 | 686.76 | 614.02 | 524.19 | 450.27 | 382.21 | 313.15 | 236.49 | 183.94 | 139.11 |
| C/γ(°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
| 0.0 | 106.39 | 95.04 | 86.38 | 76.43 | 69.29 | 62.97 | 56.42 | 51.85 | 47.99 |
| 45.0 | 122.25 | 102.24 | 90.36 | 82.34 | 74.67 | 66.19 | 60.80 | 54.84 | 50.86 |
| 90.0 | 99.43 | 90.89 | 83.10 | 73.39 | 67.13 | 61.86 | 57.35 | 52.49 | 48.63 |
| 135.0 | 126.12 | 102.47 | 93.05 | 84.62 | 76.43 | 67.59 | 61.80 | 56.94 | 52.61 |
| 180.0 | 132.55 | 106.22 | 92.00 | 81.46 | 73.68 | 66.60 | 60.57 | 54.72 | 50.56 |
| 225.0 | 125.53 | 101.19 | 88.08 | 77.07 | 69.29 | 60.69 | 55.25 | 50.50 | 45.65 |
| 270.0 | 184.11 | 142.97 | 117.63 | 96.62 | 87.20 | 76.55 | 68.94 | 62.74 | 57.06 |
| 315.0 | 127.23 | 103.00 | 91.47 | 80.88 | 73.27 | 66.36 | 60.45 | 54.13 | 49.80 |
| 360.0 | 106.39 | 95.04 | 86.38 | 76.43 | 69.29 | 62.97 | 56.42 | 51.85 | 47.99 |

Intensity data(cd)

| | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C/γ(°) | 45.0 | 46.0 | 47.0 | 48.0 | 49.0 | 50.0 | 51.0 | 52.0 | 53.0 |
| 0.0 | 44.65 | 40.85 | 38.51 | 36.34 | 34.35 | 32.60 | 31.19 | 29.90 | 28.97 |
| 45.0 | 47.29 | 43.31 | 40.67 | 38.33 | 36.40 | 34.41 | 33.01 | 31.84 | 31.13 |
| 90.0 | 45.53 | 41.96 | 39.62 | 37.04 | 35.46 | 34.06 | 32.89 | 31.89 | 31.02 |
| 135.0 | 47.75 | 44.18 | 41.38 | 37.98 | 35.93 | 33.59 | 32.01 | 30.72 | 29.38 |
| 180.0 | 46.29 | 43.31 | 40.61 | 37.98 | 35.82 | 34.18 | 32.42 | 31.02 | 29.79 |
| 225.0 | 42.55 | 39.85 | 36.87 | 34.94 | 33.01 | 31.60 | 29.96 | 28.91 | 28.03 |
| 270.0 | 51.56 | 47.52 | 44.18 | 41.38 | 38.33 | 36.23 | 34.18 | 32.01 | 30.49 |
| 315.0 | 46.23 | 42.90 | 39.03 | 36.46 | 34.35 | 32.54 | 30.72 | 29.38 | 27.86 |
| 360.0 | 44.65 | 40.85 | 38.51 | 36.34 | 34.35 | 32.60 | 31.19 | 29.90 | 28.97 |
| C/γ(°) | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
| 0.0 | 28.27 | 27.39 | 26.92 | 26.63 | 26.22 | 25.87 | 25.46 | 25.05 | 24.11 |
| 45.0 | 30.26 | 29.38 | 28.79 | 28.32 | 27.92 | 27.27 | 26.45 | 25.87 | 24.40 |
| 90.0 | 30.20 | 29.50 | 28.97 | 28.15 | 27.39 | 26.16 | 25.11 | 23.70 | 22.12 |
| 135.0 | 28.50 | 27.80 | 27.04 | 26.39 | 25.98 | 25.34 | 24.81 | 24.17 | 23.17 |
| 180.0 | 28.85 | 27.86 | 27.15 | 26.63 | 26.28 | 25.81 | 25.28 | 24.87 | 24.35 |
| 225.0 | 27.33 | 26.51 | 25.87 | 25.34 | 25.11 | 24.93 | 24.40 | 23.94 | 23.53 |
| 270.0 | 29.20 | 28.09 | 27.27 | 26.63 | 25.69 | 25.16 | 24.76 | 24.11 | 23.70 |
| 315.0 | 27.15 | 26.34 | 25.52 | 24.99 | 24.81 | 24.46 | 23.94 | 23.29 | 22.82 |
| 360.0 | 28.27 | 27.39 | 26.92 | 26.63 | 26.22 | 25.87 | 25.46 | 25.05 | 24.11 |
| C/γ(°) | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
| 0.0 | 23.12 | 22.30 | 21.30 | 19.90 | 19.02 | 18.20 | 17.09 | 16.39 | 15.57 |
| 45.0 | 23.17 | 22.06 | 20.95 | 19.90 | 18.73 | 17.85 | 17.03 | 16.27 | 15.51 |
| 90.0 | 21.19 | 19.96 | 18.79 | 18.08 | 17.38 | 16.44 | 15.74 | 15.16 | 14.57 |
| 135.0 | 22.12 | 20.78 | 19.90 | 18.79 | 17.79 | 17.03 | 16.27 | 15.51 | 14.98 |
| 180.0 | 23.41 | 22.30 | 21.36 | 20.42 | 19.43 | 18.38 | 17.56 | 16.80 | 16.15 |
| 225.0 | 22.53 | 21.65 | 20.78 | 19.84 | 18.67 | 17.91 | 17.09 | 16.33 | 15.51 |
| 270.0 | 23.12 | 22.30 | 21.36 | 20.37 | 19.49 | 18.61 | 17.79 | 17.09 | 16.39 |
| 315.0 | 22.06 | 20.89 | 20.01 | 19.02 | 17.85 | 17.15 | 16.21 | 15.57 | 14.92 |
| 360.0 | 23.12 | 22.30 | 21.30 | 19.90 | 19.02 | 18.20 | 17.09 | 16.39 | 15.57 |
| C/γ(°) | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
| 0.0 | 15.04 | 14.51 | 14.05 | 13.52 | 13.17 | 12.76 | 12.41 | 11.94 | 11.59 |
| 45.0 | 14.92 | 14.40 | 13.81 | 13.34 | 12.82 | 12.47 | 12.06 | 11.70 | 11.24 |
| 90.0 | 14.05 | 13.40 | 13.05 | 12.64 | 12.17 | 11.76 | 11.29 | 11.00 | 10.65 |
| 135.0 | 14.46 | 13.99 | 13.46 | 13.05 | 12.64 | 12.29 | 11.82 | 11.47 | 11.12 |
| 180.0 | 15.39 | 14.81 | 14.34 | 13.87 | 13.40 | 12.99 | 12.52 | 12.11 | 11.76 |
| 225.0 | 14.86 | 14.40 | 13.81 | 13.34 | 12.82 | 12.41 | 12.00 | 11.65 | 11.24 |
| 270.0 | 15.63 | 15.04 | 14.40 | 13.87 | 13.46 | 13.11 | 12.58 | 12.17 | 11.82 |
| 315.0 | 14.46 | 13.81 | 13.34 | 12.93 | 12.52 | 12.00 | 11.65 | 11.29 | 10.89 |
| 360.0 | 15.04 | 14.51 | 14.05 | 13.52 | 13.17 | 12.76 | 12.41 | 11.94 | 11.59 |
| C/γ(°) | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
| 0.0 | 11.29 | 11.00 | 10.65 | 10.36 | 10.01 | 9.36 | 8.95 | 8.66 | 8.19 |
| 45.0 | 10.94 | 10.59 | 10.30 | 10.01 | 9.71 | 9.31 | 8.72 | 8.37 | 8.08 |
| 90.0 | 10.30 | 10.12 | 9.77 | 9.48 | 9.19 | 8.54 | 8.31 | 8.02 | 7.96 |
| 135.0 | 10.65 | 10.36 | 10.01 | 9.71 | 9.36 | 9.01 | 8.49 | 8.19 | 7.96 |
| 180.0 | 11.29 | 11.00 | 10.71 | 10.36 | 10.07 | 9.60 | 9.19 | 8.90 | 8.49 |
| 225.0 | 10.89 | 10.53 | 10.30 | 9.95 | 9.54 | 9.01 | 8.78 | 8.54 | 8.37 |
| 270.0 | 11.41 | 11.06 | 10.65 | 10.24 | 9.95 | 9.31 | 8.95 | 8.66 | 8.43 |
| 315.0 | 10.59 | 10.24 | 9.89 | 9.66 | 9.25 | 8.72 | 8.49 | 8.25 | 8.02 |
| 360.0 | 11.29 | 11.00 | 10.65 | 10.36 | 10.01 | 9.36 | 8.95 | 8.66 | 8.19 |

Intensity data(cd)

| | |
|---------------|-------------|
| <i>C/γ(°)</i> | 90.0 |
| 0.0 | 8.13 |
| 45.0 | 8.02 |
| 90.0 | 7.90 |
| 135.0 | 7.90 |
| 180.0 | 8.02 |
| 225.0 | 8.08 |
| 270.0 | 8.25 |
| 315.0 | 7.90 |
| 360.0 | 8.13 |