乐达凯

Client:
LumCAT: LEMW0524LAJUD**
Luminaire: LED lamp
Report No:
Ballast type:

| | |
|---|---|
| Test No: | Voltage(V): 119.960 |
| LampCAT: | Current(A): 0.199 |
| Lamp flux(lm): 1355.0 | Power (W): 23.700 |
| Number of Lamps: 1 | PF: 0.993 |
| Length(mm): 50 | Width(mm): 20 |
| Phm Type: C | Height(mm): 560 |

## Photometric Results

Lumens(lm): 1354.97, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 57.17
Central intensity(cd): 1.840, Maximum intensity(cd): 405.707
Angle of maximum intensity: C=60.0 γ=90.0
Beam Angle(50%Imax): [C0/180]Total=305.0
[C90/270]Total=147.5
Field angle(10%Imax): [C0/180]Total=344.0
[C90/270]Total=332.0
Maximum s/h(1/2): C0_180=4.00 C90_270=3.28
Maximum s/h(1/4): C0_180=3.73 C90_270=3.13
Up flux rate of lamp(%): 48.45%
Down flux rate of lamp(%): 51.55%
Up flux rate of LUM(%): 48.45%
Down flux rate of LUM(%): 51.55%
CIE Type : General diffuse lighting
Output flux ratio in π solid angle : 18.733%

Zonal flux distribution table



| γ(°) | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|---|---|---|---|---|---|
| 0.0 | 1.917 | 0.000 | 0 | 0.00% | 0.00% |
| 5.0 | 5.290 | 0.086 | 0.086 | 0.01% | 0.01% |
| 10.0 | 13.761 | 0.682 | 0.768 | 0.05% | 0.06% |
| 15.0 | 24.303 | 2.258 | 3.026 | 0.17% | 0.22% |
| 20.0 | 36.224 | 4.988 | 8.014 | 0.37% | 0.59% |
| 25.0 | 48.682 | 8.905 | 16.919 | 0.66% | 1.25% |
| 30.0 | 60.795 | 13.854 | 30.773 | 1.02% | 2.27% |
| 35.0 | 72.793 | 19.672 | 50.445 | 1.45% | 3.72% |
| 40.0 | 84.139 | 26.183 | 76.628 | 1.93% | 5.66% |
| 45.0 | 95.102 | 33.188 | 109.816 | 2.45% | 8.10% |
| 50.0 | 105.605 | 40.556 | 150.371 | 2.99% | 11.10% |
| 55.0 | 115.418 | 48.058 | 198.429 | 3.55% | 14.64% |
| 60.0 | 124.234 | 55.395 | 253.824 | 4.09% | 18.73% |
| 65.0 | 131.709 | 62.220 | 316.044 | 4.59% | 23.32% |
| 70.0 | 138.379 | 68.388 | 384.432 | 5.05% | 28.37% |
| 75.0 | 143.477 | 73.673 | 458.105 | 5.44% | 33.81% |
| 80.0 | 147.080 | 77.745 | 535.85 | 5.74% | 39.55% |
| 85.0 | 149.495 | 80.587 | 616.436 | 5.95% | 45.49% |
| 90.0 | 149.955 | 81.992 | 698.428 | 6.05% | 51.55% |
| 95.0 | 148.690 | 81.771 | 780.199 | 6.03% | 57.58% |
| 100.0 | 145.777 | 80.014 | 860.213 | 5.91% | 63.49% |
| 105.0 | 140.985 | 76.730 | 936.943 | 5.66% | 69.15% |
| 110.0 | 135.121 | 72.170 | 1009.112 | 5.33% | 74.47% |
| 115.0 | 126.917 | 66.350 | 1075.462 | 4.90% | 79.37% |
| 120.0 | 117.718 | 59.471 | 1134.933 | 4.39% | 83.76% |
| 125.0 | 106.218 | 51.762 | 1186.695 | 3.82% | 87.58% |
| 130.0 | 95.370 | 43.832 | 1230.527 | 3.23% | 90.82% |
| 135.0 | 84.101 | 36.265 | 1266.792 | 2.68% | 93.49% |
| 140.0 | 72.678 | 29.029 | 1295.821 | 2.14% | 95.63% |
| 145.0 | 60.258 | 22.179 | 1318 | 1.64% | 97.27% |
| 150.0 | 47.953 | 15.935 | 1333.935 | 1.18% | 98.45% |
| 155.0 | 35.457 | 10.556 | 1344.491 | 0.78% | 99.23% |
| 160.0 | 24.111 | 6.248 | 1350.738 | 0.46% | 99.69% |
| 165.0 | 13.033 | 3.061 | 1353.799 | 0.23% | 99.91% |
| 170.0 | 3.948 | 1.007 | 1354.807 | 0.07% | 99.99% |
| 175.0 | 0.422 | 0.156 | 1354.963 | 0.01% | 100.00% |
| 180.0 | 0.000 | 0.005 | 1354.968 | 0.00% | 100.00% |

Zonal flux distribution table



ZONAL LUMEN SUMMARY

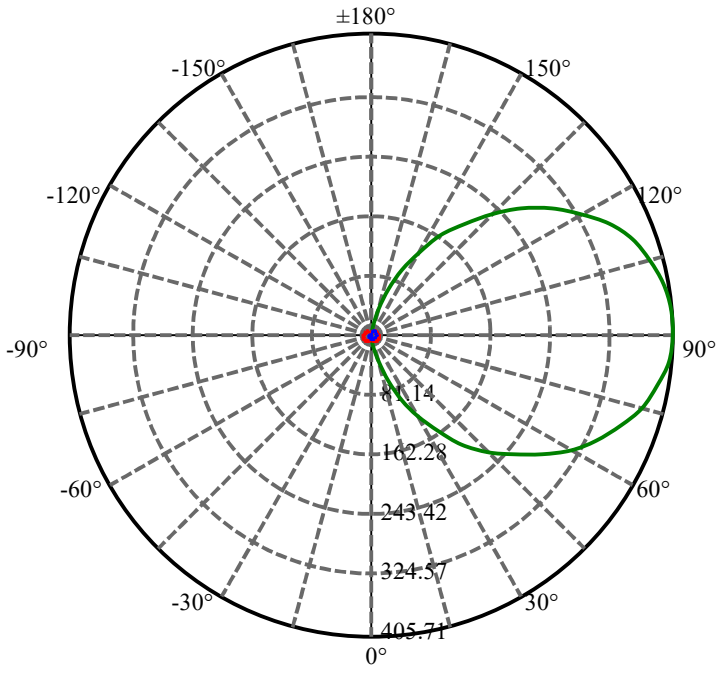
| Zone | Lumens | %Lamp | %Fixt |
|---|---|---|---|
| 0-30 | 30.77 | 2.27% | 2.27% |
| 0-40 | 76.63 | 5.66% | 5.66% |
| 0-60 | 253.82 | 18.73% | 18.73% |
| 0-90 | 698.43 | 51.55% | 51.55% |
| 0-120 | 1134.93 | 83.76% | 83.76% |
| 0-180 | 1354.97 | 100.00% | 100.00% |
| 60-90 | 444.60 | 32.81% | 32.81% |
| 90-120 | 436.51 | 32.22% | 32.22% |
| 90-130 | 532.10 | 39.27% | 39.27% |
| 90-150 | 635.51 | 46.90% | 46.90% |
| 90-180 | 656.54 | 48.45% | 48.45% |
| 0-115.72 | 1083.97 | 80.00% | 80.00% |

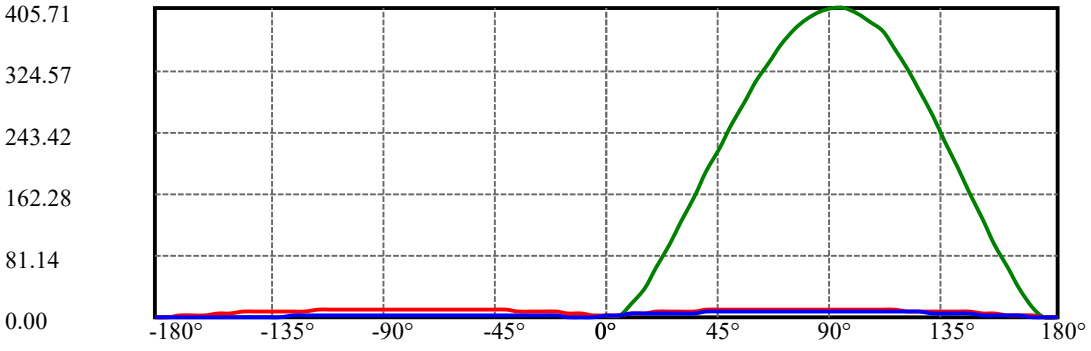
ZONAL LUMEN SUMMARY

| | |
|---|---|
| 0-10 | 0.77 |
| 10-20 | 7.25 |
| 20-30 | 22.76 |
| 30-40 | 45.85 |
| 40-50 | 73.74 |
| 50-60 | 103.45 |
| 60-70 | 130.61 |
| 70-80 | 151.42 |
| 80-90 | 162.58 |
| 90-100 | 161.79 |
| 100-110 | 148.90 |
| 110-120 | 125.82 |
| 120-130 | 95.59 |
| 130-140 | 65.29 |
| 140-150 | 38.11 |
| 150-160 | 16.80 |
| 160-170 | 4.07 |
| 170-180 | 0.16 |

Light Distribution Curve [Unit:cd]






C60(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:257.0 Right:87.0

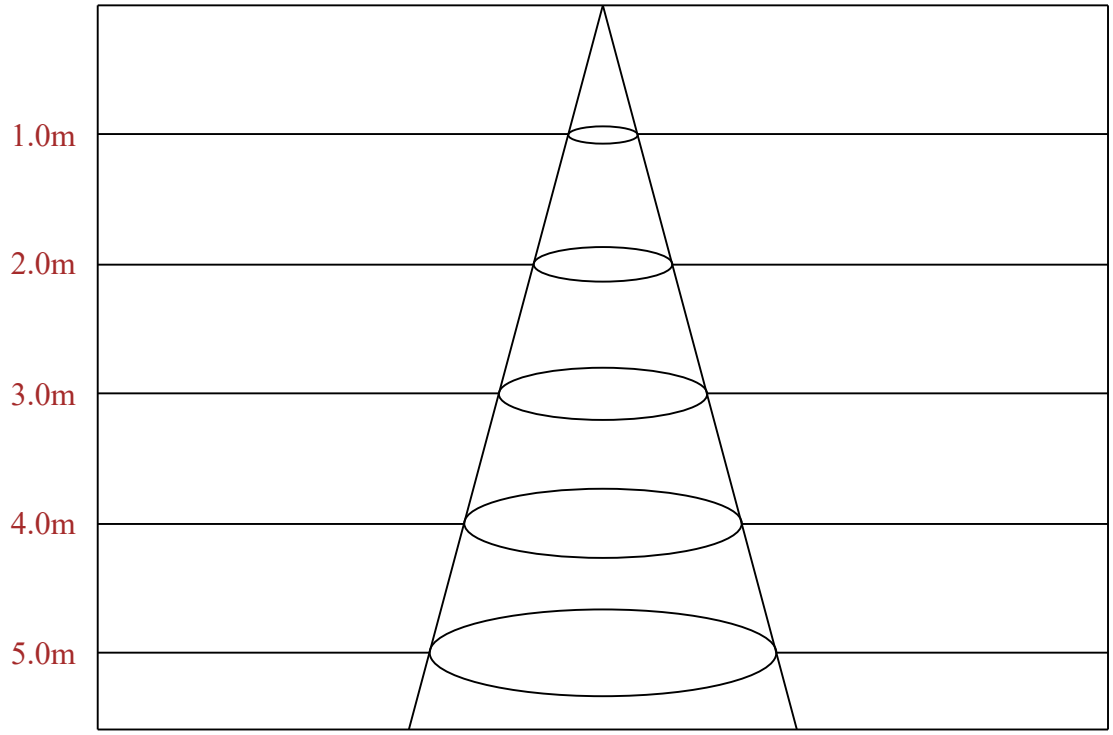
:C90/270Left:261.0 Right:71.0

Beam Angle(50%Imax):C0/180Left:237.5 Right:67.5

:C90/270Left:92.5 Right:55.0

Lux distance Curve





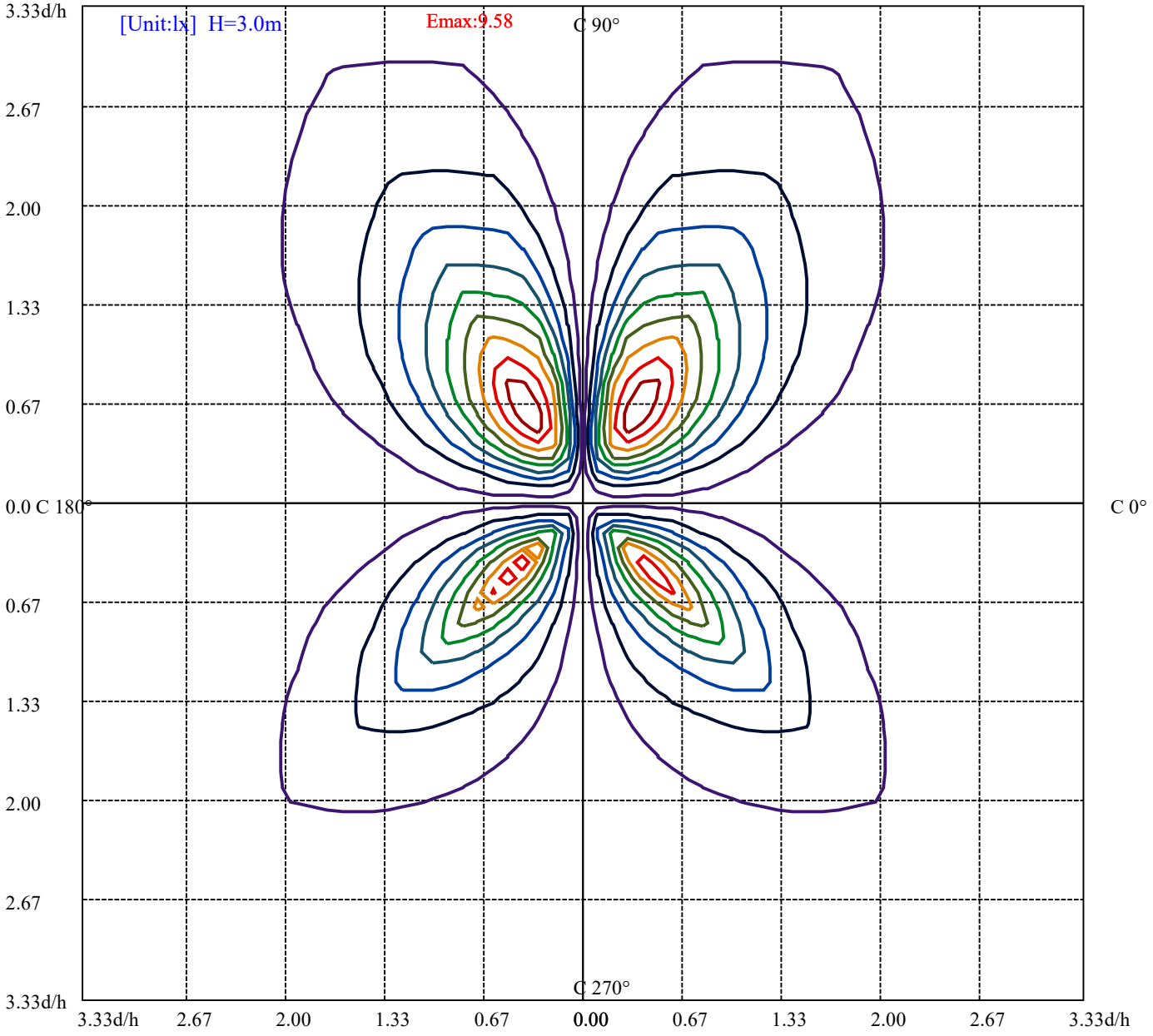

Max , Ave

Beam angle of C60 plane 340.47

乐达凯 LEMW0524LAJUD**

ISO illuminance diagram






(10%Emax) 0.9577488
(20%Emax) 1.9155
(30%Emax) 2.873244
(40%Emax) 3.831
(50%Emax) 4.788744
(60%Emax) 5.7465
(70%Emax) 6.704245
(80%Emax) 7.662
(90%Emax) 8.619744

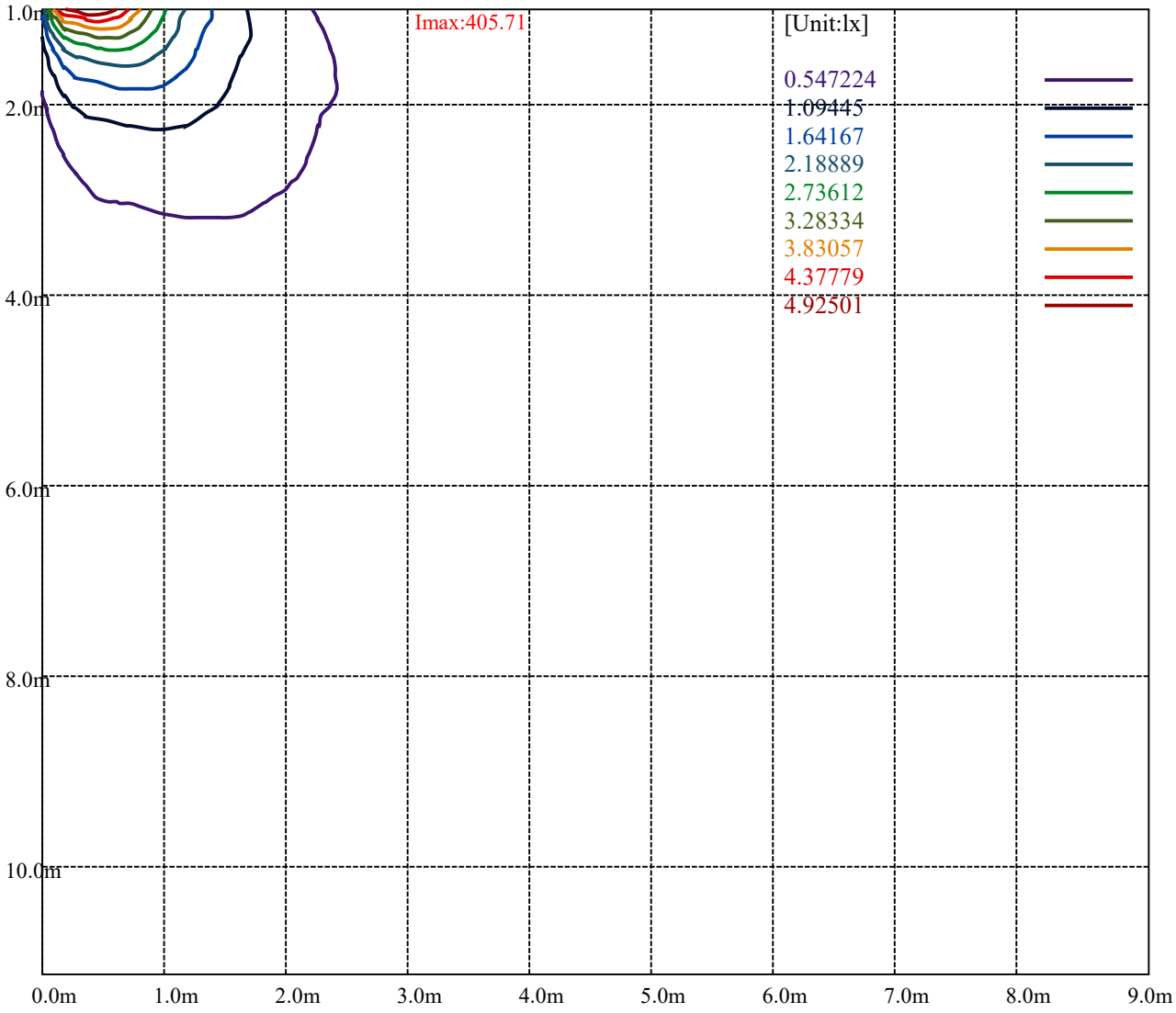
Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.1

Date: 2025/1/15
Humidity(%): 51.9%

Operator: JUN WANG
Distance(m): 30.33

Space ISO Lux diagram






Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.1

Date: 2025/1/15
Humidity(%): 51.9%

Operator: JUN WANG
Distance(m): 30.33

# 乐达凯 LEMW0524LAJUD**

## Luminance Limitting Curve(no luminous side)



Luminance Table

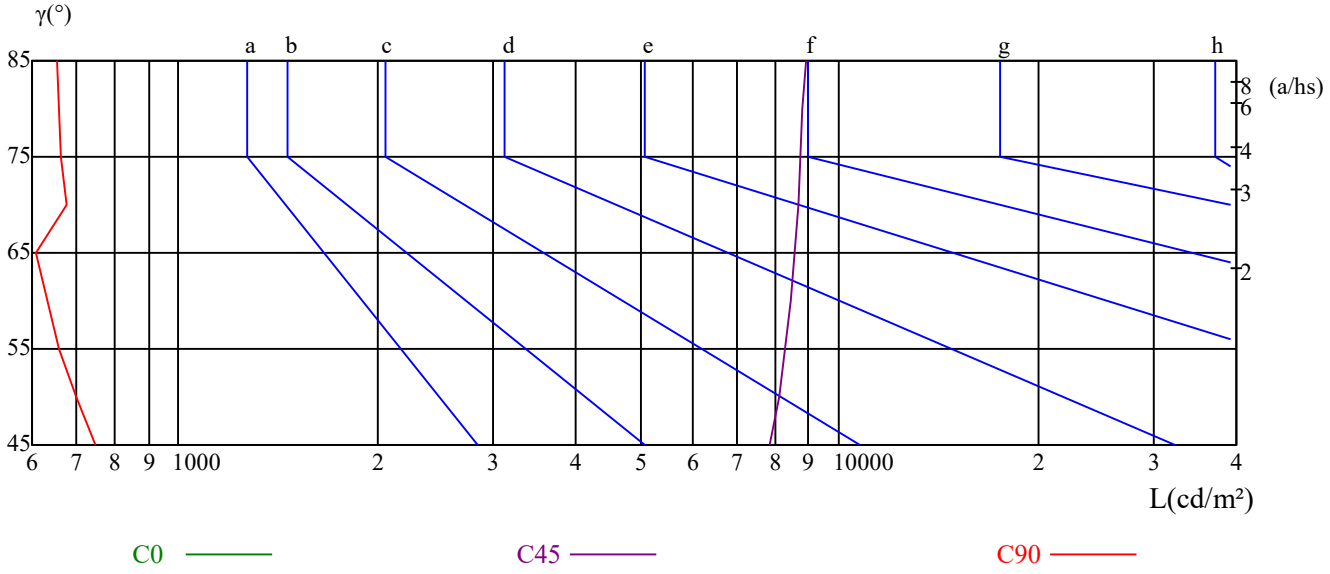
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 449 | 416 | 430 | 409 | 392 | 380 | 371 | 365 | 362 |
| C45 | 7837 | 8116 | 8299 | 8466 | 8572 | 8681 | 8763 | 8824 | 8901 |
| C90 | 746 | 698 | 661 | 631 | 609 | 677 | 664 | 657 | 655 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|---|---|---|---|---|---|---|---|---|
| 23945 | 10884 | 521896 | 39099 | 19550 | 907283 | 116110 | 58055 | 2762893 |

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 Limitting Curve



Utilization factor table for indoor luminaire



| 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 | COEFFCIENTS OF UTILIZATION RHOFC=20 CU | | | | | | | | | | | | | | | |
| 0 | 1.08 | 1.08 | 1.08 | 0.99 | 0.99 | 0.99 | 0.84 | 0.84 | 0.84 | 0.70 | 0.70 | 0.70 | 0.58 | 0.58 | 0.58 | 0.52 |
| 1 | 0.85 | 0.79 | 0.73 | 0.78 | 0.72 | 0.67 | 0.65 | 0.60 | 0.56 | 0.52 | 0.49 | 0.46 | 0.41 | 0.39 | 0.36 | 0.31 |
| 2 | 0.71 | 0.62 | 0.55 | 0.65 | 0.57 | 0.50 | 0.53 | 0.47 | 0.42 | 0.42 | 0.38 | 0.34 | 0.33 | 0.29 | 0.26 | 0.21 |
| 3 | 0.60 | 0.51 | 0.43 | 0.55 | 0.46 | 0.39 | 0.45 | 0.38 | 0.32 | 0.36 | 0.30 | 0.26 | 0.27 | 0.23 | 0.19 | 0.15 |
| 4 | 0.52 | 0.42 | 0.34 | 0.47 | 0.38 | 0.32 | 0.39 | 0.32 | 0.26 | 0.31 | 0.25 | 0.20 | 0.23 | 0.19 | 0.15 | 0.11 |
| 5 | 0.46 | 0.36 | 0.28 | 0.41 | 0.33 | 0.26 | 0.34 | 0.27 | 0.21 | 0.27 | 0.21 | 0.17 | 0.20 | 0.16 | 0.12 | 0.09 |
| 6 | 0.40 | 0.31 | 0.24 | 0.37 | 0.28 | 0.22 | 0.30 | 0.23 | 0.18 | 0.24 | 0.18 | 0.14 | 0.18 | 0.13 | 0.10 | 0.07 |
| 7 | 0.36 | 0.27 | 0.20 | 0.33 | 0.24 | 0.18 | 0.27 | 0.20 | 0.15 | 0.21 | 0.16 | 0.12 | 0.16 | 0.12 | 0.08 | 0.05 |
| 8 | 0.32 | 0.23 | 0.17 | 0.29 | 0.21 | 0.16 | 0.24 | 0.18 | 0.13 | 0.19 | 0.14 | 0.10 | 0.14 | 0.10 | 0.07 | 0.04 |
| 9 | 0.29 | 0.21 | 0.15 | 0.27 | 0.19 | 0.14 | 0.22 | 0.16 | 0.11 | 0.17 | 0.12 | 0.09 | 0.13 | 0.09 | 0.06 | 0.04 |
| 10 | 0.27 | 0.18 | 0.13 | 0.24 | 0.17 | 0.12 | 0.20 | 0.14 | 0.10 | 0.16 | 0.11 | 0.07 | 0.12 | 0.08 | 0.05 | 0.03 |

Intensity data(cd)



| C/γ(°) | 0.0 | 5.0 | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 1.84 | 3.68 | 4.60 | 4.60 | 5.52 | 6.44 | 7.36 | 8.28 | 8.28 |
| 15.0 | 1.84 | 3.68 | 7.36 | 11.96 | 16.56 | 23.00 | 27.60 | 33.12 | 38.64 |
| 30.0 | 1.84 | 4.60 | 11.96 | 23.00 | 35.88 | 50.60 | 64.40 | 77.28 | 89.24 |
| 45.0 | 1.84 | 4.60 | 16.56 | 34.96 | 56.12 | 78.20 | 102.12 | 125.12 | 146.28 |
| 60.0 | 1.84 | 3.68 | 16.56 | 39.56 | 67.16 | 97.52 | 128.80 | 160.07 | 194.11 |
| 75.0 | 1.84 | 2.76 | 8.28 | 19.32 | 30.36 | 42.32 | 53.36 | 65.32 | 79.12 |
| 90.0 | 1.84 | 2.76 | 4.60 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 6.44 |
| 105.0 | 1.84 | 2.76 | 10.12 | 32.20 | 60.72 | 92.00 | 124.20 | 159.15 | 197.79 |
| 120.0 | 1.84 | 3.68 | 16.56 | 37.72 | 64.40 | 93.84 | 124.20 | 156.39 | 187.67 |
| 135.0 | 2.76 | 3.68 | 13.80 | 30.36 | 49.68 | 70.84 | 92.00 | 113.16 | 133.40 |
| 150.0 | 1.84 | 3.68 | 9.20 | 17.48 | 36.80 | 40.48 | 52.44 | 62.56 | 72.68 |
| 165.0 | 1.84 | 2.76 | 5.52 | 7.36 | 10.12 | 13.80 | 16.56 | 20.24 | 23.00 |
| 180.0 | 1.84 | 3.68 | 5.52 | 6.44 | 7.36 | 8.28 | 9.20 | 9.20 | 10.12 |
| 195.0 | 1.84 | 6.44 | 12.88 | 19.32 | 27.60 | 34.04 | 40.48 | 46.00 | 50.60 |
| 210.0 | 1.84 | 10.12 | 22.08 | 37.72 | 54.28 | 70.84 | 86.48 | 100.28 | 111.32 |
| 225.0 | 1.84 | 11.04 | 30.36 | 53.36 | 78.20 | 104.88 | 130.64 | 155.47 | 178.47 |
| 240.0 | 1.84 | 7.36 | 26.68 | 37.72 | 47.84 | 57.04 | 66.24 | 74.52 | 80.96 |
| 255.0 | 1.84 | 0.92 | 1.84 | 5.52 | 7.36 | 10.12 | 11.96 | 13.80 | 15.64 |
| 270.0 | 1.84 | 0.92 | 0.92 | 0.92 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 |
| 285.0 | 1.84 | 7.36 | 21.16 | 30.36 | 39.56 | 47.84 | 56.12 | 64.40 | 66.24 |
| 300.0 | 1.84 | 11.96 | 31.28 | 41.40 | 44.16 | 61.64 | 70.84 | 80.04 | 88.32 |
| 315.0 | 2.76 | 11.04 | 26.68 | 46.00 | 67.16 | 87.40 | 103.96 | 120.52 | 136.16 |
| 330.0 | 1.84 | 8.28 | 17.48 | 28.52 | 39.56 | 51.52 | 60.72 | 69.92 | 76.36 |
| 345.0 | 1.84 | 5.52 | 8.28 | 11.96 | 15.64 | 18.40 | 22.08 | 24.84 | 26.68 |
| 360.0 | 1.84 | 3.68 | 4.60 | 4.60 | 5.52 | 6.44 | 7.36 | 8.28 | 8.28 |

| C/γ(°) | 45.0 | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 80.0 | 85.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 8.28 | 8.28 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 |
| 15.0 | 42.32 | 46.00 | 48.76 | 51.52 | 54.28 | 56.12 | 57.04 | 57.96 | 59.80 |
| 30.0 | 98.44 | 106.72 | 113.16 | 118.68 | 123.28 | 126.96 | 130.64 | 132.48 | 134.32 |
| 45.0 | 166.51 | 185.83 | 202.39 | 218.03 | 230.91 | 241.95 | 250.23 | 256.67 | 261.27 |
| 60.0 | 224.47 | 255.75 | 287.03 | 316.47 | 342.23 | 367.07 | 386.39 | 401.11 | 411.23 |
| 75.0 | 92.00 | 103.96 | 115.92 | 126.96 | 135.24 | 142.60 | 147.20 | 149.96 | 150.88 |
| 90.0 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 7.36 | 7.36 | 7.36 | 7.36 |
| 105.0 | 237.35 | 276.91 | 314.63 | 349.59 | 380.87 | 410.31 | 431.47 | 450.79 | 462.74 |
| 120.0 | 218.03 | 246.55 | 275.07 | 302.67 | 326.59 | 347.75 | 367.07 | 380.87 | 390.99 |
| 135.0 | 151.79 | 169.27 | 183.99 | 196.87 | 206.99 | 216.19 | 223.55 | 228.15 | 231.83 |
| 150.0 | 80.96 | 87.40 | 92.92 | 97.52 | 101.20 | 104.88 | 107.64 | 109.48 | 110.40 |
| 165.0 | 25.76 | 27.60 | 29.44 | 31.28 | 33.12 | 34.04 | 34.96 | 35.88 | 36.80 |
| 180.0 | 10.12 | 10.12 | 11.04 | 11.04 | 11.04 | 11.04 | 11.04 | 11.04 | 11.04 |
| 195.0 | 55.20 | 57.96 | 60.72 | 62.56 | 64.40 | 65.32 | 66.24 | 66.24 | 66.24 |
| 210.0 | 121.44 | 129.72 | 136.16 | 141.68 | 145.36 | 148.12 | 149.96 | 150.88 | 150.88 |
| 225.0 | 200.55 | 219.87 | 237.35 | 252.99 | 264.95 | 275.07 | 282.43 | 286.11 | 287.95 |
| 240.0 | 86.48 | 94.76 | 106.72 | 120.52 | 131.56 | 140.76 | 148.12 | 152.71 | 156.39 |
| 255.0 | 17.48 | 21.16 | 24.84 | 28.52 | 30.36 | 33.12 | 34.96 | 35.88 | 37.72 |
| 270.0 | 1.84 | 1.84 | 1.84 | 1.84 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| 285.0 | 79.12 | 90.16 | 98.44 | 103.96 | 108.56 | 115.00 | 121.44 | 125.12 | 128.80 |
| 300.0 | 97.52 | 111.32 | 124.20 | 135.24 | 146.28 | 154.55 | 160.99 | 165.59 | 166.51 |
| 315.0 | 149.96 | 161.91 | 170.19 | 175.71 | 179.39 | 182.15 | 183.07 | 183.07 | 182.15 |
| 330.0 | 81.88 | 85.56 | 89.24 | 91.08 | 93.84 | 95.68 | 96.60 | 97.52 | 97.52 |
| 345.0 | 28.52 | 29.44 | 30.36 | 31.28 | 32.20 | 33.12 | 33.12 | 33.12 | 33.12 |
| 360.0 | 8.28 | 8.28 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 |

Intensity data(cd)



| C/γ(°) | 90.0 | 95.0 | 100.0 | 105.0 | 110.0 | 115.0 | 120.0 | 125.0 | 130.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 8.28 | 8.28 |
| 15.0 | 59.80 | 59.80 | 58.88 | 57.96 | 57.04 | 55.20 | 52.44 | 49.68 | 46.92 |
| 30.0 | 135.24 | 135.24 | 134.32 | 132.48 | 130.64 | 126.96 | 122.36 | 115.92 | 109.48 |
| 45.0 | 264.03 | 264.03 | 261.27 | 256.67 | 250.23 | 240.11 | 226.31 | 208.83 | 191.35 |
| 60.0 | 415.83 | 415.83 | 409.39 | 399.27 | 384.55 | 360.63 | 333.03 | 301.75 | 267.71 |
| 75.0 | 149.96 | 146.28 | 141.68 | 133.40 | 125.12 | 115.00 | 103.96 | 92.00 | 79.12 |
| 90.0 | 7.36 | 7.36 | 7.36 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 5.52 |
| 105.0 | 470.10 | 468.26 | 459.98 | 443.43 | 423.19 | 397.43 | 365.23 | 328.43 | 289.79 |
| 120.0 | 395.59 | 395.59 | 389.15 | 379.03 | 365.23 | 345.91 | 319.23 | 290.71 | 259.43 |
| 135.0 | 233.67 | 234.59 | 234.59 | 230.91 | 225.39 | 218.03 | 206.99 | 192.27 | 177.55 |
| 150.0 | 111.32 | 112.24 | 111.32 | 110.40 | 109.48 | 106.72 | 103.04 | 98.44 | 92.92 |
| 165.0 | 36.80 | 36.80 | 36.80 | 36.80 | 36.80 | 35.88 | 34.04 | 33.12 | 31.28 |
| 180.0 | 10.12 | 10.12 | 10.12 | 10.12 | 9.20 | 9.20 | 8.28 | 8.28 | 7.36 |
| 195.0 | 66.24 | 65.32 | 63.48 | 61.64 | 59.80 | 57.04 | 54.28 | 49.68 | 45.08 |
| 210.0 | 149.96 | 148.12 | 145.36 | 141.68 | 138.00 | 131.56 | 123.28 | 114.08 | 103.04 |
| 225.0 | 287.03 | 282.43 | 275.99 | 265.87 | 253.91 | 236.43 | 231.83 | 195.03 | 172.03 |
| 240.0 | 154.55 | 150.88 | 148.12 | 135.24 | 123.28 | 107.64 | 90.16 | 74.52 | 65.32 |
| 255.0 | 37.72 | 37.72 | 35.88 | 34.04 | 31.28 | 27.60 | 23.92 | 19.32 | 16.56 |
| 270.0 | 2.76 | 2.76 | 2.76 | 2.76 | 1.84 | 1.84 | 1.84 | 1.84 | 0.92 |
| 285.0 | 127.88 | 123.28 | 115.92 | 107.64 | 96.60 | 82.80 | 68.08 | 56.12 | 49.68 |
| 300.0 | 165.59 | 160.07 | 151.79 | 142.60 | 130.64 | 115.92 | 101.20 | 85.56 | 71.76 |
| 315.0 | 179.39 | 175.71 | 171.11 | 165.59 | 159.15 | 149.04 | 137.08 | 125.12 | 111.32 |
| 330.0 | 96.60 | 95.68 | 93.84 | 91.08 | 87.40 | 82.80 | 78.20 | 71.76 | 66.24 |
| 345.0 | 32.20 | 31.28 | 30.36 | 29.44 | 28.52 | 26.68 | 24.84 | 22.08 | 20.24 |
| 360.0 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 9.20 | 8.28 | 8.28 |

| C/γ(°) | 135.0 | 140.0 | 145.0 | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 8.28 | 7.36 | 7.36 | 6.44 | 5.52 | 4.60 | 3.68 | 1.84 | 0.92 |
| 15.0 | 43.24 | 39.56 | 34.04 | 29.44 | 23.00 | 16.56 | 10.12 | 4.60 | 0.92 |
| 30.0 | 100.28 | 90.16 | 78.20 | 64.40 | 49.68 | 34.96 | 21.16 | 8.28 | 0.92 |
| 45.0 | 171.11 | 148.12 | 125.12 | 101.20 | 77.28 | 52.44 | 29.44 | 9.20 | 0.92 |
| 60.0 | 235.51 | 197.79 | 164.67 | 130.64 | 96.60 | 64.40 | 36.80 | 11.04 | 0.92 |
| 75.0 | 67.16 | 56.12 | 45.08 | 34.96 | 24.84 | 15.64 | 7.36 | 1.84 | 0.92 |
| 90.0 | 5.52 | 5.52 | 4.60 | 3.68 | 3.68 | 2.76 | 1.84 | 0.92 | 0.00 |
| 105.0 | 248.39 | 209.75 | 172.03 | 135.24 | 97.52 | 66.24 | 34.96 | 11.04 | 0.92 |
| 120.0 | 226.31 | 194.11 | 162.83 | 127.88 | 95.68 | 67.16 | 36.80 | 12.88 | 0.92 |
| 135.0 | 160.07 | 139.84 | 118.68 | 95.68 | 73.60 | 51.52 | 30.36 | 11.96 | 0.92 |
| 150.0 | 86.48 | 78.20 | 68.08 | 57.04 | 44.16 | 31.28 | 20.24 | 8.28 | 0.92 |
| 165.0 | 29.44 | 26.68 | 23.92 | 21.16 | 17.48 | 12.88 | 9.20 | 4.60 | 0.92 |
| 180.0 | 6.44 | 5.52 | 5.52 | 4.60 | 3.68 | 2.76 | 1.84 | 0.92 | 0.00 |
| 195.0 | 40.48 | 35.88 | 29.44 | 23.92 | 16.56 | 15.64 | 5.52 | 1.84 | 0.00 |
| 210.0 | 92.00 | 88.32 | 65.32 | 50.60 | 35.88 | 23.00 | 11.04 | 1.84 | 0.00 |
| 225.0 | 149.04 | 125.12 | 100.28 | 77.28 | 54.28 | 33.12 | 13.80 | 0.92 | 0.00 |
| 240.0 | 57.04 | 48.76 | 40.48 | 32.20 | 24.84 | 17.48 | 11.04 | 0.00 | 0.00 |
| 255.0 | 14.72 | 12.88 | 11.04 | 9.20 | 7.36 | 5.52 | 2.76 | 0.00 | 0.00 |
| 270.0 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.00 | 0.00 | 0.00 |
| 285.0 | 44.16 | 38.64 | 32.20 | 25.76 | 18.40 | 11.96 | 5.52 | 0.00 | 0.00 |
| 300.0 | 59.80 | 49.68 | 39.56 | 30.36 | 21.16 | 13.80 | 6.44 | 0.00 | 0.00 |
| 315.0 | 95.68 | 80.04 | 63.48 | 46.92 | 30.36 | 16.56 | 5.52 | 0.92 | 0.00 |
| 330.0 | 58.88 | 50.60 | 41.40 | 32.20 | 22.08 | 12.88 | 5.52 | 0.92 | 0.00 |
| 345.0 | 17.48 | 14.72 | 11.96 | 9.20 | 6.44 | 4.60 | 1.84 | 0.92 | 0.00 |
| 360.0 | 8.28 | 7.36 | 7.36 | 6.44 | 5.52 | 4.60 | 3.68 | 1.84 | 0.92 |

Intensity data(cd)



| C/γ(°) | 180.0 |
|---|---|
| 0.0 | 0.00 |
| 15.0 | 0.00 |
| 30.0 | 0.00 |
| 45.0 | 0.00 |
| 60.0 | 0.00 |
| 75.0 | 0.00 |
| 90.0 | 0.00 |
| 105.0 | 0.00 |
| 120.0 | 0.00 |
| 135.0 | 0.00 |
| 150.0 | 0.00 |
| 165.0 | 0.00 |
| 180.0 | 0.00 |
| 195.0 | 0.00 |
| 210.0 | 0.00 |
| 225.0 | 0.00 |
| 240.0 | 0.00 |
| 255.0 | 0.00 |
| 270.0 | 0.00 |
| 285.0 | 0.00 |
| 300.0 | 0.00 |
| 315.0 | 0.00 |
| 330.0 | 0.00 |
| 345.0 | 0.00 |
| 360.0 | 0.00 |