正奇事

Client:
LumCAT: ZS-FL2*2-K40-3065
Luminaire: LED 灯具
Report No:
Ballast type:

| | |
|---|---|
| Test No: | Voltage(V): 120.010 |
| LampCAT: | Current(A): 0.311 |
| Lamp flux(lm): 4868.6 | Power (W): 37.060 |
| Number of Lamps: 1 | PF: 0.994 |
| Length(mm): 580 | Width(mm): 580 |
| Phm Type: C | Height(mm): 8 |

Photometric Results

Lumens(lm): 4868.57, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 131.37
Central intensity(cd): 1895.204, Maximum intensity(cd): 1895.204
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=97.8
[C90/270]Total=96.8
Field angle(10%Imax): [C0/180]Total=161.8
[C90/270]Total=162.0
Maximum s/h(1/2): C0_180=1.17 C90_270=1.16
Maximum s/h(1/4): C0_180=1.28 C90_270=1.26
Up flux rate of lamp(%): 2.23%
Down flux rate of lamp(%): 97.77%
Up flux rate of LUM(%): 2.23%
Down flux rate of LUM(%): 97.77%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 77.248%

正奇事 ZS-FL2*2-K40-3065

Zonal flux distribution table



| γ(°) | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|---|---|---|---|---|---|
| 0.0 | 1895.204 | 0.000 | 0 | 0.00% | 0.00% |
| 5.0 | 1882.479 | 45.161 | 45.161 | 0.93% | 0.93% |
| 10.0 | 1846.176 | 133.386 | 178.547 | 2.74% | 3.67% |
| 15.0 | 1786.781 | 215.505 | 394.051 | 4.43% | 8.09% |
| 20.0 | 1703.918 | 287.683 | 681.734 | 5.91% | 14.00% |
| 25.0 | 1599.502 | 346.468 | 1028.202 | 7.12% | 21.12% |
| 30.0 | 1479.593 | 389.662 | 1417.864 | 8.00% | 29.12% |
| 35.0 | 1339.209 | 415.088 | 1832.952 | 8.53% | 37.65% |
| 40.0 | 1195.529 | 422.902 | 2255.854 | 8.69% | 46.34% |
| 45.0 | 1054.030 | 416.524 | 2672.378 | 8.56% | 54.89% |
| 50.0 | 907.617 | 396.379 | 3068.758 | 8.14% | 63.03% |
| 55.0 | 771.919 | 365.187 | 3433.945 | 7.50% | 70.53% |
| 60.0 | 642.557 | 326.952 | 3760.897 | 6.72% | 77.25% |
| 65.0 | 518.336 | 282.215 | 4043.112 | 5.80% | 83.05% |
| 70.0 | 406.591 | 234.197 | 4277.309 | 4.81% | 87.86% |
| 75.0 | 307.122 | 186.553 | 4463.862 | 3.83% | 91.69% |
| 80.0 | 217.123 | 140.273 | 4604.136 | 2.88% | 94.57% |
| 85.0 | 143.889 | 98.096 | 4702.232 | 2.01% | 96.58% |
| 90.0 | 67.235 | 57.807 | 4760.039 | 1.19% | 97.77% |
| 95.0 | 25.592 | 25.417 | 4785.456 | 0.52% | 98.29% |
| 100.0 | 17.995 | 11.844 | 4797.299 | 0.24% | 98.54% |
| 105.0 | 19.723 | 10.092 | 4807.392 | 0.21% | 98.74% |
| 110.0 | 17.965 | 9.851 | 4817.243 | 0.20% | 98.95% |
| 115.0 | 17.179 | 8.899 | 4826.142 | 0.18% | 99.13% |
| 120.0 | 16.206 | 8.116 | 4834.258 | 0.17% | 99.30% |
| 125.0 | 14.295 | 7.050 | 4841.308 | 0.14% | 99.44% |
| 130.0 | 12.685 | 5.866 | 4847.174 | 0.12% | 99.56% |
| 135.0 | 10.662 | 4.718 | 4851.892 | 0.10% | 99.66% |
| 140.0 | 8.229 | 3.498 | 4855.39 | 0.07% | 99.73% |
| 145.0 | 7.635 | 2.647 | 4858.036 | 0.05% | 99.78% |
| 150.0 | 8.608 | 2.392 | 4860.428 | 0.05% | 99.83% |
| 155.0 | 9.057 | 2.236 | 4862.664 | 0.05% | 99.88% |
| 160.0 | 9.506 | 1.947 | 4864.611 | 0.04% | 99.92% |
| 165.0 | 10.292 | 1.632 | 4866.242 | 0.03% | 99.95% |
| 170.0 | 11.153 | 1.272 | 4867.514 | 0.03% | 99.98% |
| 175.0 | 12.200 | 0.835 | 4868.35 | 0.02% | 100.00% |
| 180.0 | 6.287 | 0.221 | 4868.571 | 0.00% | 100.00% |

Zonal flux distribution table



ZONAL LUMEN SUMMARY

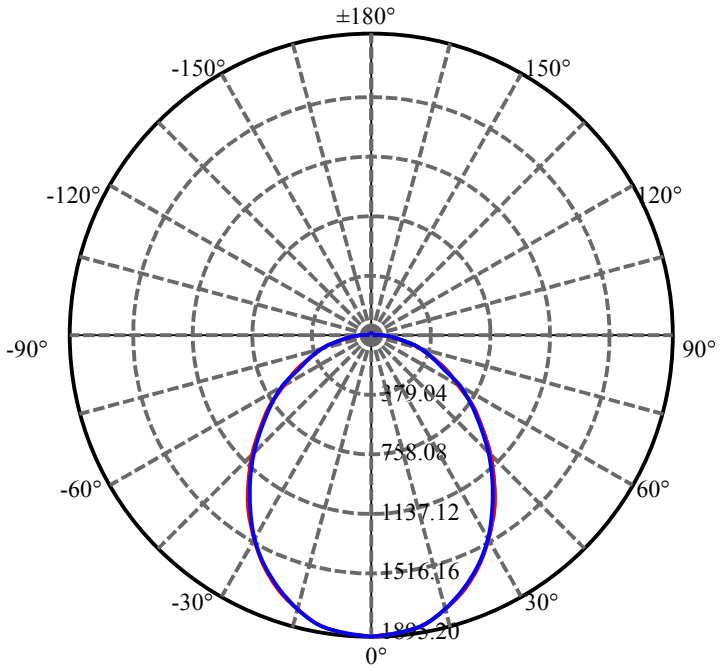
| Zone | Lumens | %Lamp | %Fixt |
|---|---|---|---|
| 0-30 | 1417.86 | 29.12% | 29.12% |
| 0-40 | 2255.85 | 46.34% | 46.34% |
| 0-60 | 3760.90 | 77.25% | 77.25% |
| 0-90 | 4760.04 | 97.77% | 97.77% |
| 0-120 | 4834.26 | 99.30% | 99.30% |
| 0-180 | 4868.57 | 100.00% | 100.00% |
| 60-90 | 999.14 | 20.52% | 20.52% |
| 90-120 | 74.22 | 1.52% | 1.52% |
| 90-130 | 87.14 | 1.79% | 1.79% |
| 90-150 | 100.39 | 2.06% | 2.06% |
| 90-180 | 108.31 | 2.22% | 2.22% |
| 0-62.37 | 3894.86 | 80.00% | 80.00% |

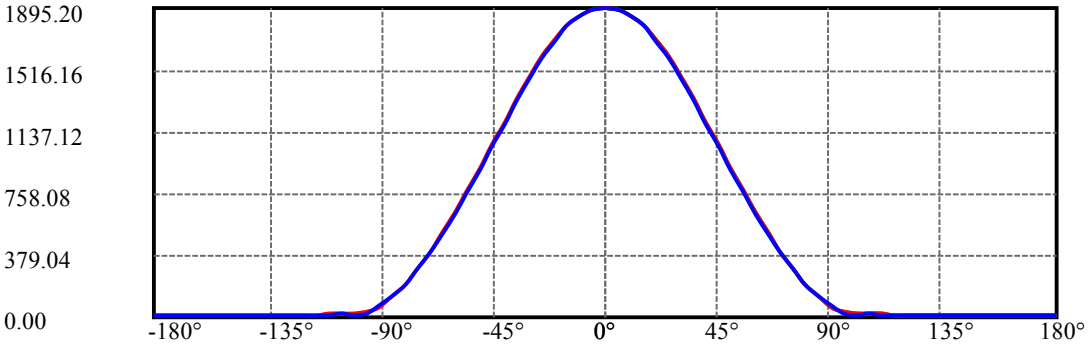
ZONAL LUMEN SUMMARY

| | |
|---|---|
| 0-10 | 178.55 |
| 10-20 | 503.19 |
| 20-30 | 736.13 |
| 30-40 | 837.99 |
| 40-50 | 812.90 |
| 50-60 | 692.14 |
| 60-70 | 516.41 |
| 70-80 | 326.83 |
| 80-90 | 155.90 |
| 90-100 | 37.26 |
| 100-110 | 19.94 |
| 110-120 | 17.01 |
| 120-130 | 12.92 |
| 130-140 | 8.22 |
| 140-150 | 5.04 |
| 150-160 | 4.18 |
| 160-170 | 2.90 |
| 170-180 | 0.84 |

Light Distribution Curve [Unit:cd]






C0(Max):

C0/C180:

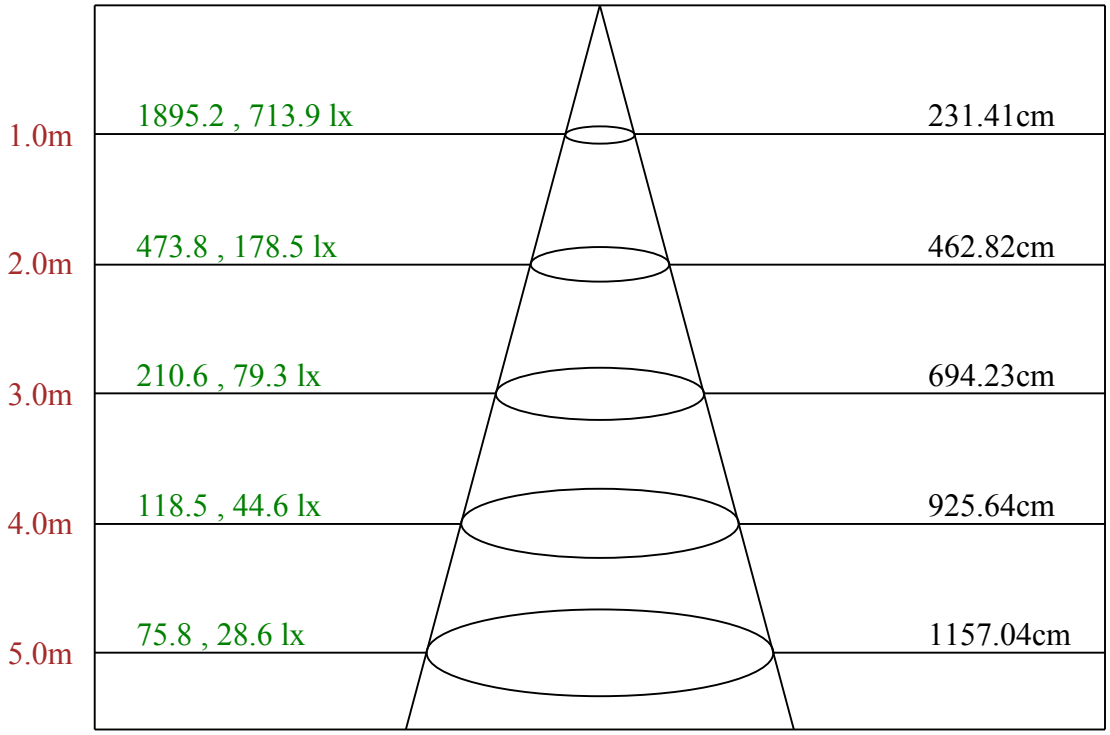
C90/C270:

Field angle(10%Imax):C0/180Left:80.9 Right:80.9
:C90/270Left:81.0 Right:81.0

Beam Angle(50%Imax):C0/180Left:48.9 Right:48.9
:C90/270Left:48.4 Right:48.4

Lux distance Curve





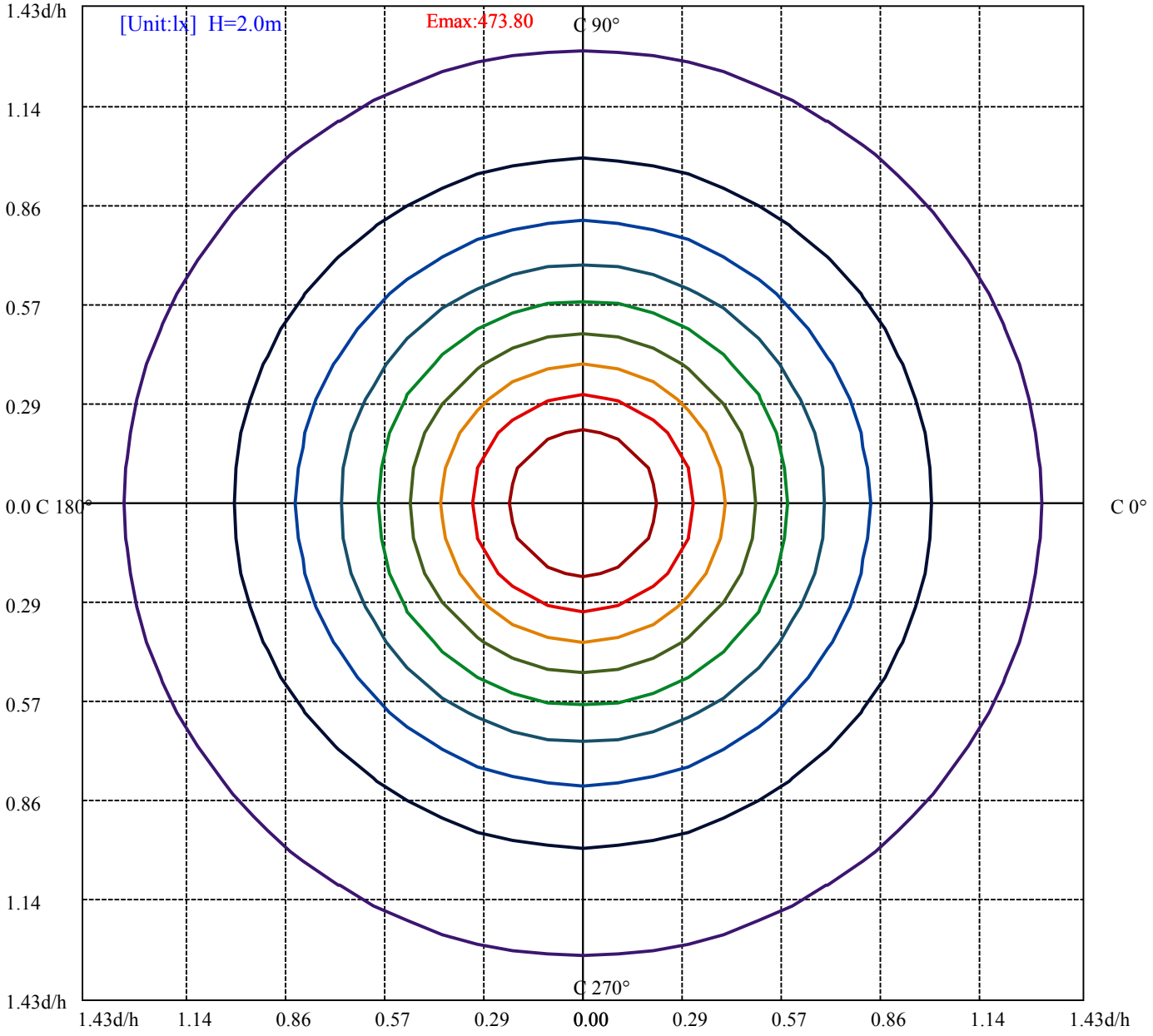

Max , Ave

Beam angle of C0 plane 98.33

正奇事 ZS-FL2*2-K40-3065

ISO illuminance diagram






(10%Emax) 47.38
(20%Emax) 94.76025
(30%Emax) 142.1402
(40%Emax) 189.5202
(50%Emax) 236.9005
(60%Emax) 284.28
(70%Emax) 331.66
(80%Emax) 379.04
(90%Emax) 426.42

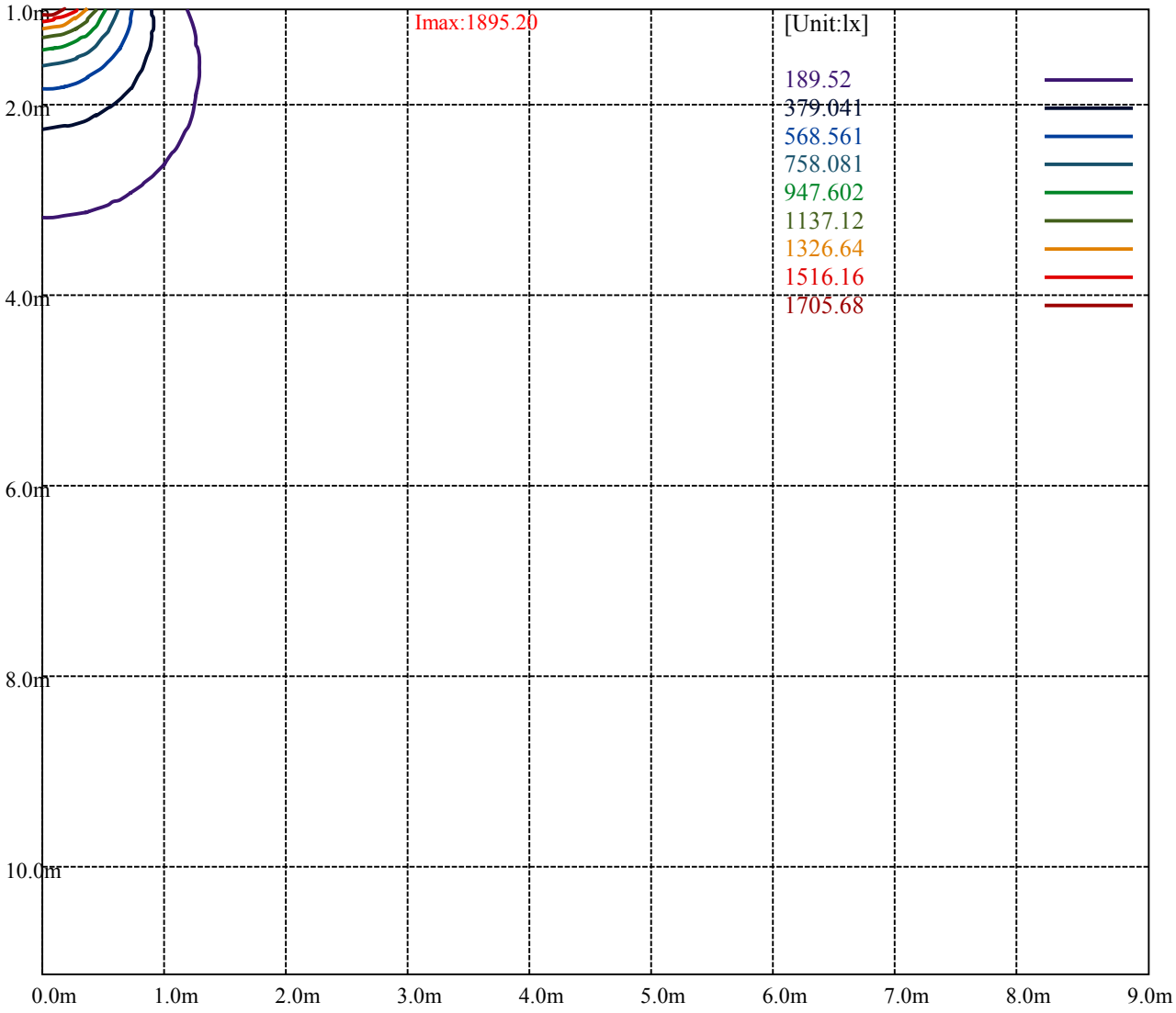
Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.2

Date: 2023/5/11
Humidity(%): 62.1%

Operator: JUN WANG
Distance(m): 29.97

Space ISO Lux diagram






Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.2

Date: 2023/5/11
Humidity(%): 62.1%

Operator: JUN WANG
Distance(m): 29.97

正奇事 ZS-FL2*2-K40-3065

## Luminance Limitting Curve(no luminous side)



Luminance Table

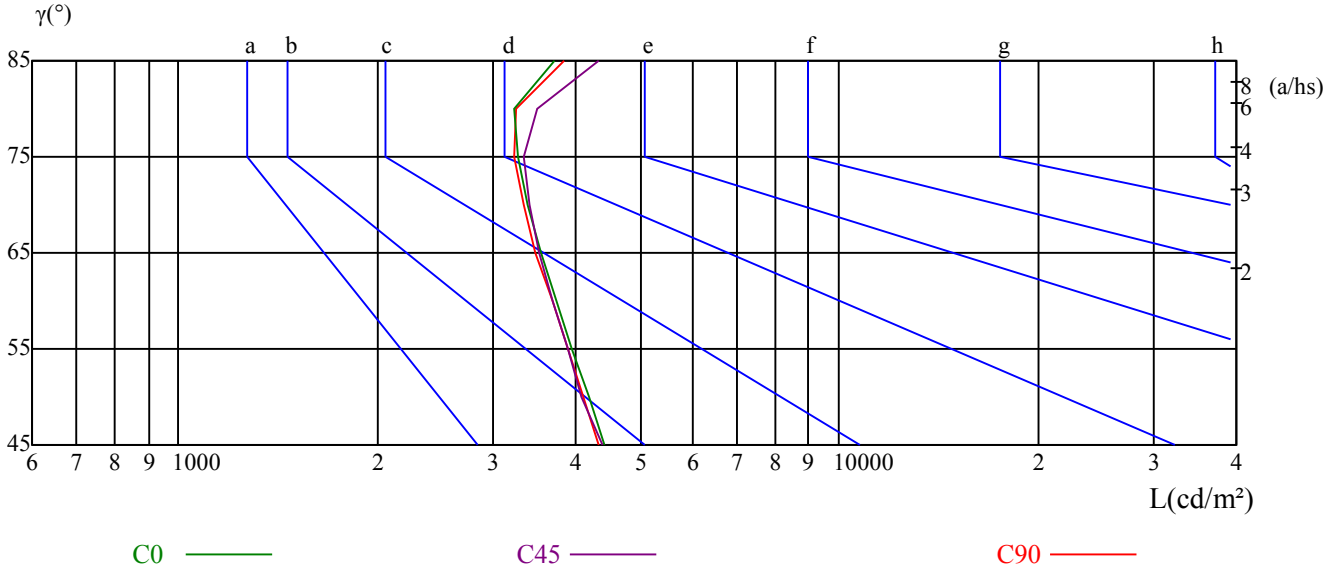
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 4403 | 4172 | 3954 | 3735 | 3548 | 3382 | 3276 | 3230 | 3717 |
| C45 | 4384 | 4075 | 3888 | 3695 | 3514 | 3393 | 3342 | 3500 | 4337 |
| C90 | 4336 | 4105 | 3896 | 3686 | 3481 | 3330 | 3220 | 3239 | 3826 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|---|---|---|---|---|---|---|---|---|
| 3653 | 3584 | 3661 | 3444 | 3385 | 3585 | 4303 | 4429 | 5304 |

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 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | 0.98 |
| 1 | 1.03 | 0.99 | 0.95 | 1.01 | 0.97 | 0.93 | 0.96 | 0.93 | 0.90 | 0.92 | 0.89 | 0.86 | 0.88 | 0.86 | 0.84 | 0.81 |
| 2 | 0.90 | 0.83 | 0.78 | 0.88 | 0.82 | 0.76 | 0.84 | 0.79 | 0.74 | 0.80 | 0.76 | 0.72 | 0.77 | 0.74 | 0.70 | 0.68 |
| 3 | 0.79 | 0.71 | 0.65 | 0.78 | 0.70 | 0.64 | 0.74 | 0.68 | 0.63 | 0.71 | 0.66 | 0.61 | 0.69 | 0.64 | 0.60 | 0.58 |
| 4 | 0.71 | 0.62 | 0.55 | 0.69 | 0.61 | 0.55 | 0.66 | 0.59 | 0.54 | 0.64 | 0.58 | 0.53 | 0.61 | 0.56 | 0.52 | 0.50 |
| 5 | 0.63 | 0.55 | 0.48 | 0.62 | 0.54 | 0.48 | 0.60 | 0.52 | 0.47 | 0.58 | 0.51 | 0.46 | 0.55 | 0.50 | 0.45 | 0.43 |
| 6 | 0.57 | 0.48 | 0.42 | 0.56 | 0.48 | 0.42 | 0.54 | 0.47 | 0.41 | 0.52 | 0.46 | 0.41 | 0.51 | 0.45 | 0.40 | 0.38 |
| 7 | 0.52 | 0.43 | 0.37 | 0.51 | 0.43 | 0.37 | 0.49 | 0.42 | 0.37 | 0.48 | 0.41 | 0.36 | 0.46 | 0.40 | 0.36 | 0.34 |
| 8 | 0.48 | 0.39 | 0.33 | 0.47 | 0.39 | 0.33 | 0.45 | 0.38 | 0.33 | 0.44 | 0.37 | 0.33 | 0.43 | 0.37 | 0.32 | 0.30 |
| 9 | 0.44 | 0.36 | 0.30 | 0.43 | 0.35 | 0.30 | 0.42 | 0.35 | 0.30 | 0.41 | 0.34 | 0.30 | 0.39 | 0.34 | 0.29 | 0.27 |
| 10 | 0.41 | 0.33 | 0.28 | 0.40 | 0.32 | 0.27 | 0.39 | 0.32 | 0.27 | 0.38 | 0.31 | 0.27 | 0.37 | 0.31 | 0.27 | 0.25 |

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 | 1895.20 | 1883.65 | 1852.56 | 1798.36 | 1716.61 | 1617.10 | 1496.26 | 1359.43 | 1224.37 |
| 15.0 | 1895.20 | 1886.25 | 1852.21 | 1797.58 | 1720.55 | 1617.55 | 1497.53 | 1364.98 | 1225.25 |
| 30.0 | 1895.20 | 1884.41 | 1853.81 | 1801.61 | 1720.62 | 1620.73 | 1500.14 | 1363.36 | 1219.37 |
| 45.0 | 1895.20 | 1887.11 | 1851.13 | 1795.36 | 1718.91 | 1619.96 | 1500.33 | 1361.81 | 1219.69 |
| 60.0 | 1895.20 | 1888.01 | 1855.63 | 1798.96 | 1718.91 | 1619.96 | 1499.43 | 1364.51 | 1217.00 |
| 75.0 | 1895.20 | 1888.02 | 1854.78 | 1798.20 | 1717.36 | 1617.66 | 1497.30 | 1363.47 | 1213.47 |
| 90.0 | 1895.20 | 1888.91 | 1858.36 | 1805.34 | 1719.97 | 1622.02 | 1498.01 | 1363.22 | 1213.15 |
| 105.0 | 1895.20 | 1888.91 | 1860.12 | 1804.36 | 1725.20 | 1622.66 | 1503.03 | 1363.61 | 1216.10 |
| 120.0 | 1895.20 | 1891.59 | 1861.81 | 1810.37 | 1736.37 | 1634.39 | 1513.46 | 1380.79 | 1230.98 |
| 135.0 | 1895.20 | 1890.70 | 1862.78 | 1810.53 | 1736.67 | 1638.49 | 1522.29 | 1388.07 | 1241.25 |
| 150.0 | 1895.20 | 1891.61 | 1862.84 | 1812.49 | 1738.77 | 1643.47 | 1524.79 | 1392.63 | 1248.78 |
| 165.0 | 1895.20 | 1889.82 | 1863.81 | 1813.58 | 1739.14 | 1644.06 | 1527.46 | 1393.82 | 1253.90 |
| 180.0 | 1895.20 | 1880.99 | 1841.00 | 1777.92 | 1703.28 | 1592.22 | 1472.27 | 1330.11 | 1187.95 |
| 195.0 | 1895.20 | 1881.77 | 1842.36 | 1778.77 | 1693.68 | 1589.79 | 1464.39 | 1322.88 | 1177.78 |
| 210.0 | 1895.20 | 1879.01 | 1841.21 | 1777.32 | 1692.72 | 1587.44 | 1465.95 | 1321.96 | 1178.88 |
| 225.0 | 1895.20 | 1879.01 | 1836.74 | 1774.67 | 1684.73 | 1579.49 | 1456.26 | 1318.64 | 1168.42 |
| 240.0 | 1895.20 | 1877.21 | 1836.74 | 1772.87 | 1686.52 | 1574.99 | 1451.76 | 1311.44 | 1171.12 |
| 255.0 | 1895.20 | 1877.24 | 1833.23 | 1765.86 | 1676.94 | 1568.26 | 1440.71 | 1304.19 | 1164.97 |
| 270.0 | 1895.20 | 1874.54 | 1832.30 | 1767.60 | 1676.84 | 1557.32 | 1434.21 | 1294.02 | 1154.74 |
| 285.0 | 1895.20 | 1873.62 | 1829.54 | 1762.98 | 1669.43 | 1558.80 | 1427.47 | 1288.05 | 1147.74 |
| 300.0 | 1895.20 | 1875.35 | 1831.13 | 1762.54 | 1675.90 | 1563.09 | 1437.65 | 1293.25 | 1156.07 |
| 315.0 | 1895.20 | 1874.49 | 1832.15 | 1764.59 | 1673.62 | 1563.72 | 1439.42 | 1298.90 | 1152.98 |
| 330.0 | 1895.20 | 1874.53 | 1831.37 | 1764.84 | 1674.94 | 1566.15 | 1501.42 | 1297.33 | 1155.28 |
| 345.0 | 1895.20 | 1872.78 | 1830.63 | 1766.05 | 1676.35 | 1568.72 | 1438.67 | 1300.54 | 1153.45 |
| 360.0 | 1895.20 | 1883.65 | 1852.56 | 1798.36 | 1716.61 | 1617.10 | 1496.26 | 1359.43 | 1224.37 |

| C/γ(°) | 45.0 | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 80.0 | 85.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 1077.77 | 931.16 | 793.44 | 653.06 | 532.22 | 414.05 | 310.09 | 209.69 | 132.39 |
| 15.0 | 1082.85 | 936.85 | 792.65 | 660.99 | 538.29 | 420.96 | 312.58 | 221.23 | 145.10 |
| 30.0 | 1077.19 | 930.50 | 793.72 | 656.93 | 537.24 | 424.76 | 322.17 | 233.08 | 158.38 |
| 45.0 | 1068.58 | 921.07 | 787.94 | 657.52 | 534.29 | 425.45 | 322.91 | 236.56 | 163.71 |
| 60.0 | 1067.68 | 921.07 | 784.35 | 653.92 | 536.99 | 423.65 | 322.01 | 234.76 | 160.11 |
| 75.0 | 1067.96 | 922.45 | 785.03 | 657.48 | 538.02 | 422.15 | 317.06 | 227.24 | 150.90 |
| 90.0 | 1068.47 | 922.89 | 789.89 | 661.39 | 536.48 | 422.35 | 316.32 | 223.76 | 142.88 |
| 105.0 | 1073.98 | 930.06 | 797.84 | 663.82 | 544.19 | 429.05 | 326.51 | 233.86 | 157.41 |
| 120.0 | 1082.97 | 940.38 | 799.60 | 666.93 | 548.71 | 436.80 | 335.72 | 246.38 | 172.37 |
| 135.0 | 1091.72 | 943.10 | 805.28 | 675.57 | 558.47 | 444.98 | 344.09 | 253.11 | 177.45 |
| 150.0 | 1105.84 | 953.00 | 818.14 | 680.58 | 558.31 | 445.03 | 343.44 | 251.73 | 172.62 |
| 165.0 | 1111.29 | 964.20 | 827.86 | 689.74 | 558.78 | 443.98 | 339.93 | 244.86 | 161.45 |
| 180.0 | 1045.78 | 902.73 | 762.35 | 633.51 | 506.45 | 393.61 | 289.66 | 197.25 | 119.95 |
| 195.0 | 1035.38 | 897.45 | 762.20 | 626.06 | 500.67 | 392.30 | 293.77 | 203.31 | 129.87 |
| 210.0 | 1033.99 | 889.11 | 754.12 | 629.03 | 512.95 | 401.36 | 298.77 | 215.08 | 143.09 |
| 225.0 | 1020.91 | 878.79 | 753.76 | 626.04 | 501.01 | 395.77 | 297.73 | 215.88 | 144.82 |
| 240.0 | 1024.51 | 888.69 | 750.17 | 618.84 | 497.41 | 388.58 | 290.53 | 206.88 | 140.32 |
| 255.0 | 1024.85 | 888.32 | 748.20 | 611.67 | 487.72 | 377.24 | 281.14 | 195.81 | 124.85 |
| 270.0 | 1022.64 | 881.55 | 743.16 | 608.37 | 482.56 | 372.93 | 273.18 | 184.22 | 116.82 |
| 285.0 | 1014.61 | 875.19 | 738.47 | 602.65 | 484.82 | 375.98 | 318.42 | 191.59 | 123.23 |
| 300.0 | 1007.17 | 871.79 | 738.23 | 666.93 | 484.63 | 378.14 | 280.67 | 198.55 | 133.57 |
| 315.0 | 1071.91 | 863.83 | 737.72 | 610.72 | 488.21 | 379.22 | 283.74 | 202.67 | 136.02 |
| 330.0 | 1008.74 | 862.19 | 730.93 | 605.06 | 490.88 | 377.60 | 276.91 | 197.79 | 129.46 |
| 345.0 | 1009.94 | 866.43 | 730.99 | 604.53 | 480.75 | 372.22 | 273.56 | 185.66 | 116.60 |
| 360.0 | 1077.77 | 931.16 | 793.44 | 653.06 | 532.22 | 414.05 | 310.09 | 209.69 | 132.39 |

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 | 70.19 | 31.10 | 23.10 | 19.55 | 17.77 | 16.88 | 15.99 | 15.10 | 14.22 |
| 15.0 | 77.03 | 32.24 | 23.29 | 19.70 | 17.02 | 16.12 | 15.23 | 14.33 | 13.43 |
| 30.0 | 80.09 | 28.80 | 21.60 | 19.80 | 18.90 | 18.00 | 16.20 | 13.50 | 11.70 |
| 45.0 | 81.85 | 25.19 | 17.09 | 18.89 | 18.89 | 17.09 | 16.19 | 15.29 | 13.49 |
| 60.0 | 78.25 | 26.08 | 12.59 | 17.09 | 16.19 | 15.29 | 15.29 | 11.69 | 10.79 |
| 75.0 | 68.26 | 32.34 | 8.08 | 15.27 | 13.47 | 13.47 | 13.47 | 13.47 | 12.57 |
| 90.0 | 68.30 | 31.45 | 5.39 | 16.18 | 15.28 | 14.38 | 14.38 | 14.38 | 13.48 |
| 105.0 | 83.65 | 34.18 | 8.10 | 15.29 | 13.49 | 12.59 | 13.49 | 13.49 | 12.59 |
| 120.0 | 104.69 | 31.59 | 12.63 | 18.05 | 17.15 | 16.24 | 15.34 | 11.73 | 10.83 |
| 135.0 | 109.89 | 26.12 | 17.11 | 18.92 | 18.92 | 18.02 | 17.11 | 15.31 | 13.51 |
| 150.0 | 106.09 | 30.57 | 21.58 | 19.78 | 18.88 | 17.98 | 16.18 | 12.59 | 11.69 |
| 165.0 | 95.07 | 31.39 | 23.32 | 19.73 | 17.04 | 16.14 | 15.25 | 14.35 | 13.45 |
| 180.0 | 39.09 | 28.43 | 23.10 | 20.44 | 18.66 | 17.77 | 15.99 | 15.10 | 13.33 |
| 195.0 | 44.78 | 28.66 | 23.29 | 20.60 | 17.91 | 17.02 | 16.12 | 14.33 | 12.54 |
| 210.0 | 49.49 | 27.90 | 21.60 | 22.50 | 21.60 | 20.70 | 18.90 | 12.60 | 11.70 |
| 225.0 | 53.07 | 23.39 | 21.59 | 22.49 | 21.59 | 19.79 | 18.89 | 17.09 | 11.69 |
| 240.0 | 49.47 | 16.19 | 22.49 | 21.59 | 18.89 | 17.99 | 17.09 | 12.59 | 12.59 |
| 255.0 | 44.91 | 9.88 | 8.98 | 19.76 | 15.27 | 16.17 | 16.17 | 15.27 | 14.37 |
| 270.0 | 77.28 | 8.99 | 8.09 | 19.77 | 17.07 | 17.07 | 17.07 | 16.18 | 15.28 |
| 285.0 | 44.97 | 11.69 | 15.29 | 18.89 | 15.29 | 16.19 | 16.19 | 15.29 | 14.39 |
| 300.0 | 47.83 | 18.05 | 23.46 | 21.66 | 19.85 | 18.95 | 17.15 | 13.54 | 12.63 |
| 315.0 | 49.54 | 23.42 | 23.42 | 23.42 | 21.62 | 20.72 | 18.92 | 17.11 | 9.01 |
| 330.0 | 47.65 | 27.87 | 23.38 | 23.38 | 21.58 | 20.68 | 16.18 | 13.49 | 11.69 |
| 345.0 | 42.16 | 28.70 | 23.32 | 20.63 | 18.84 | 17.04 | 16.14 | 15.25 | 13.45 |
| 360.0 | 70.19 | 31.10 | 23.10 | 19.55 | 17.77 | 16.88 | 15.99 | 15.10 | 14.22 |

| C/γ(°) | 135.0 | 140.0 | 145.0 | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 13.33 | 12.44 | 8.00 | 8.89 | 8.89 | 9.77 | 10.66 | 11.55 | 12.44 |
| 15.0 | 12.54 | 11.64 | 8.06 | 8.96 | 8.96 | 9.85 | 10.75 | 10.75 | 12.54 |
| 30.0 | 10.80 | 6.30 | 8.10 | 9.00 | 9.00 | 9.90 | 10.80 | 10.80 | 11.70 |
| 45.0 | 5.40 | 6.30 | 8.10 | 8.99 | 8.99 | 9.89 | 10.79 | 11.69 | 11.69 |
| 60.0 | 9.89 | 7.20 | 8.10 | 8.99 | 8.99 | 9.89 | 10.79 | 11.69 | 12.59 |
| 75.0 | 11.68 | 11.68 | 8.08 | 8.98 | 8.98 | 9.88 | 10.78 | 10.78 | 12.57 |
| 90.0 | 12.58 | 11.68 | 8.09 | 8.99 | 9.88 | 10.78 | 10.78 | 10.78 | 12.58 |
| 105.0 | 11.69 | 11.69 | 8.10 | 8.99 | 9.89 | 10.79 | 10.79 | 10.79 | 12.59 |
| 120.0 | 9.93 | 6.32 | 8.12 | 9.02 | 9.02 | 9.93 | 10.83 | 11.73 | 11.73 |
| 135.0 | 5.40 | 6.31 | 8.11 | 9.01 | 9.01 | 9.91 | 10.81 | 11.71 | 12.61 |
| 150.0 | 10.79 | 6.29 | 7.19 | 8.99 | 8.99 | 9.89 | 10.79 | 11.69 | 12.59 |
| 165.0 | 12.56 | 11.66 | 7.18 | 8.97 | 8.97 | 9.87 | 10.76 | 11.66 | 12.56 |
| 180.0 | 11.55 | 9.77 | 7.11 | 8.00 | 8.89 | 8.89 | 9.77 | 10.66 | 12.44 |
| 195.0 | 11.64 | 6.27 | 7.17 | 8.06 | 8.96 | 8.96 | 8.96 | 10.75 | 11.64 |
| 210.0 | 9.90 | 6.30 | 7.20 | 8.10 | 9.00 | 9.00 | 9.90 | 10.80 | 11.70 |
| 225.0 | 6.30 | 6.30 | 7.20 | 8.10 | 8.99 | 8.99 | 9.89 | 10.79 | 11.69 |
| 240.0 | 11.69 | 6.30 | 7.20 | 8.10 | 8.99 | 8.99 | 9.89 | 10.79 | 11.69 |
| 255.0 | 13.47 | 8.98 | 7.19 | 8.08 | 8.98 | 8.98 | 9.88 | 10.78 | 11.68 |
| 270.0 | 14.38 | 9.88 | 8.09 | 8.99 | 8.99 | 8.99 | 9.88 | 11.68 | 12.58 |
| 285.0 | 13.49 | 8.99 | 8.10 | 8.99 | 8.99 | 8.99 | 9.89 | 11.69 | 12.59 |
| 300.0 | 9.93 | 6.32 | 7.22 | 8.12 | 9.02 | 9.02 | 9.93 | 11.73 | 12.63 |
| 315.0 | 5.40 | 6.31 | 7.21 | 8.11 | 9.01 | 9.01 | 9.91 | 10.81 | 11.71 |
| 330.0 | 9.89 | 6.29 | 7.19 | 8.09 | 8.99 | 8.99 | 9.89 | 10.79 | 11.69 |
| 345.0 | 11.66 | 6.28 | 7.18 | 8.07 | 8.97 | 8.97 | 9.87 | 10.76 | 12.56 |
| 360.0 | 13.33 | 12.44 | 8.00 | 8.89 | 8.89 | 9.77 | 10.66 | 11.55 | 12.44 |

Intensity data(cd)



| C/γ(°) | 180.0 |
|---|---|
| 0.0 | 12.44 |
| 15.0 | 12.54 |
| 30.0 | 12.60 |
| 45.0 | 12.59 |
| 60.0 | 12.59 |
| 75.0 | 12.57 |
| 90.0 | 12.58 |
| 105.0 | 12.59 |
| 120.0 | 12.63 |
| 135.0 | 12.61 |
| 150.0 | 12.59 |
| 165.0 | 12.56 |
| 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 | 12.44 |