NATA LIGHTING CO.,LTD
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Tel:+86 0750-377 0000(10 lines) Fax:+86 0750-377 1111
Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

## Nata

Client: NT
LumCAT: 1-1766-LM
Luminaire: 92.70.494.00 LED HOLDER
Report No: 20260120-B011
Ballast type: DC

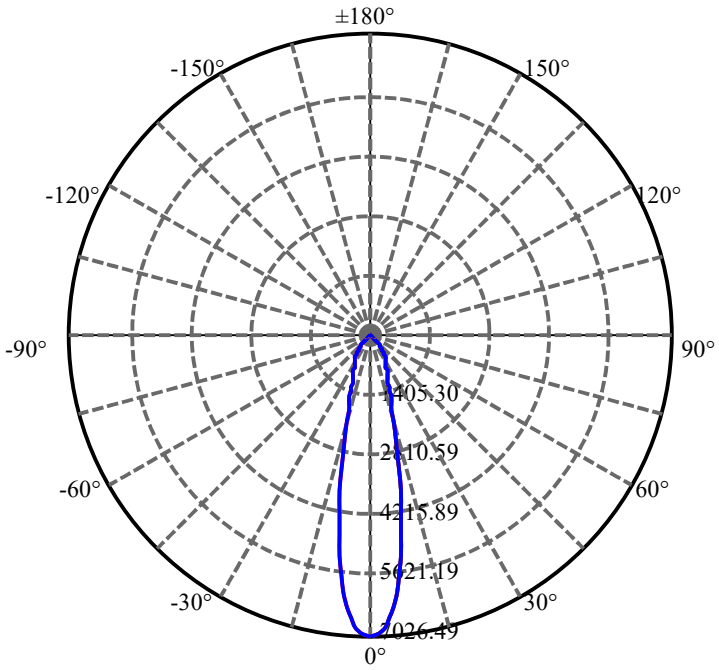
| | |
|---|---|
| Test No: 20260120-C011 | Voltage(V): 34.610 |
| LampCAT: LUMINUS CXM-11(TC) | Current(A): 0.454 |
| Lamp flux(lm): 2195.5 | Power (W): 15.710 |
| Number of Lamps: 1 | PF: 0.000 |
| Length(mm): 50 | Width(mm): 50 |
| Phm Type: C | Height(mm): 22 |

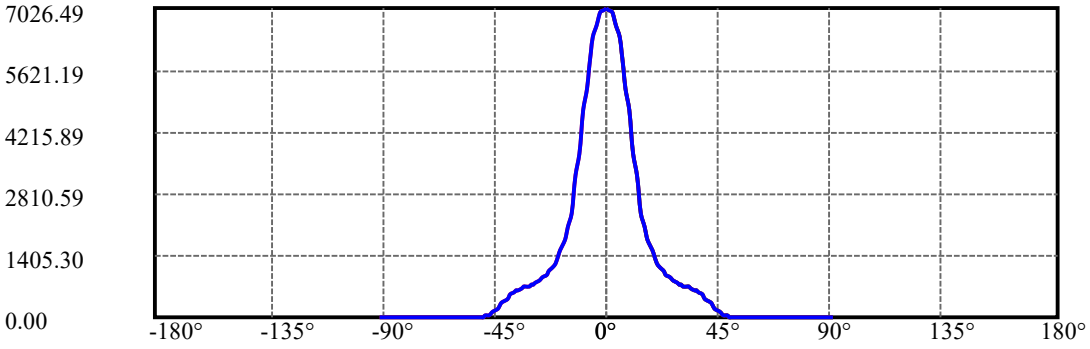
## Photometric Results

Lumens(lm): 2103.60, Efficiency(%): 95.81% , Luminous Efficacy(lm/W): 133.90
Central intensity(cd): 7026.485, Maximum intensity(cd): 7026.485
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.8
[C90/270]Total=22.8
Field angle(10%Imax): [C0/180]Total=63.2
[C90/270]Total=63.2
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.81%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.327%

Light Distribution Curve [Unit:cd]






C0(Max):

C0/C180:

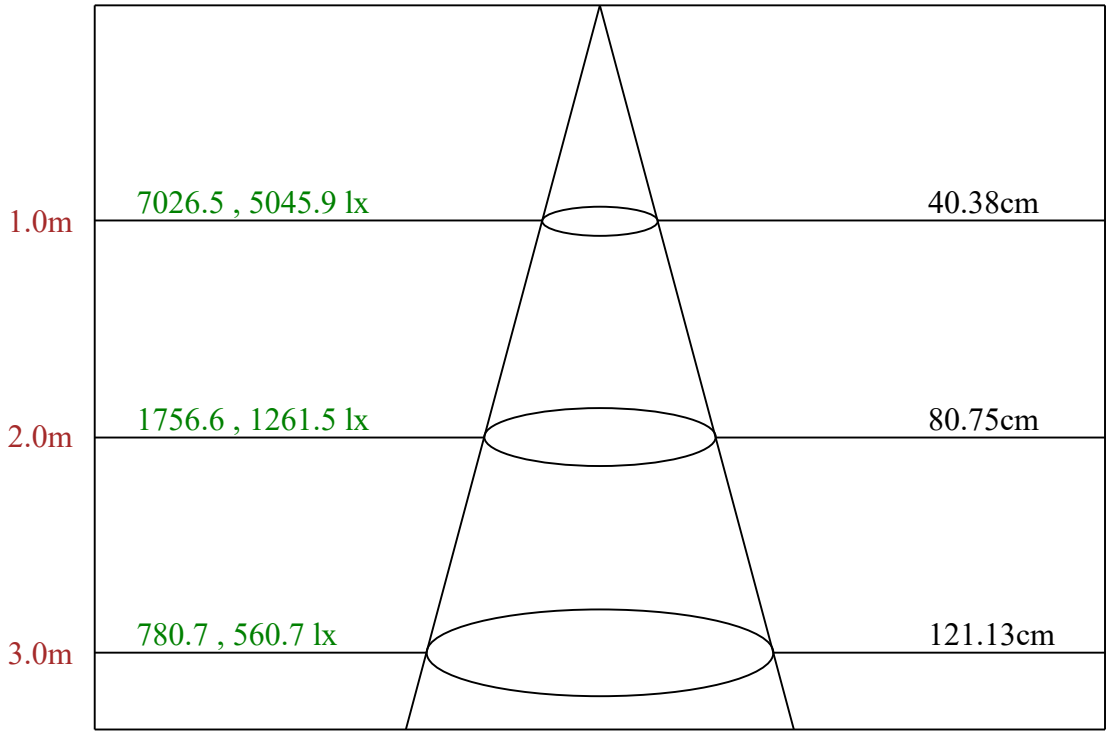
C90/C270:

Field angle(10%Imax):C0/180Left:31.6 Right:31.6
:C90/270Left:31.6 Right:31.6

Beam Angle(50%Imax):C0/180Left:11.4 Right:11.4
:C90/270Left:11.4 Right:11.4

Lux distance Curve






Max , Ave

Beam angle of C0 plane 22.83

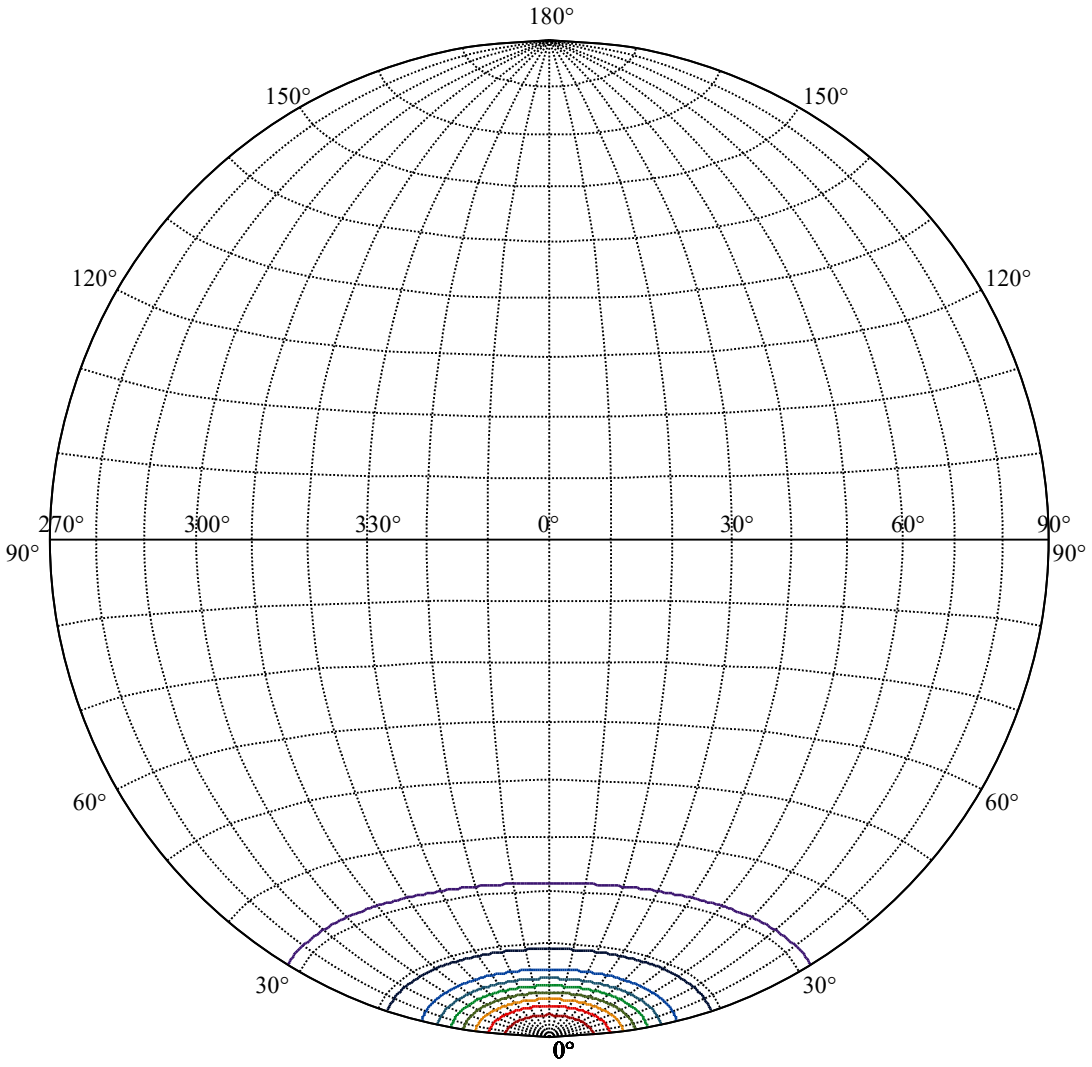
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/1/20
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web






House [Unit:cd] Road

Imax:7026.49

(10%Imax) 702.649
(20%Imax) 1405.3
(30%Imax) 2107.95
(40%Imax) 2810.59
(50%Imax) 3513.24
(60%Imax) 4215.89
(70%Imax) 4918.54
(80%Imax) 5621.19
(90%Imax) 6323.84

Equipment: GMS1980
Temperature(°C): 25.0

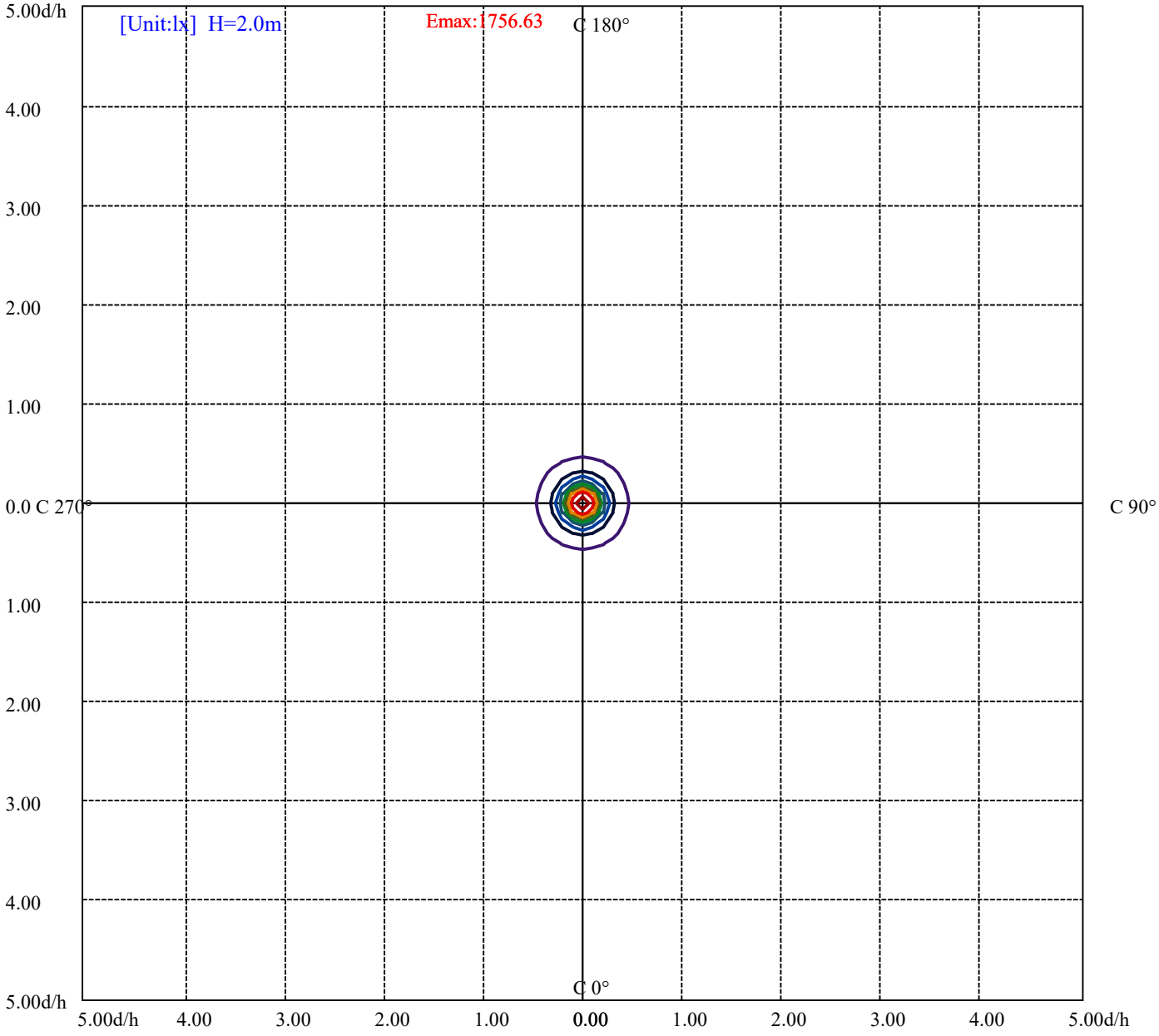
Date: 2026/1/20
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 1-1766-LM

ISO illuminance diagram



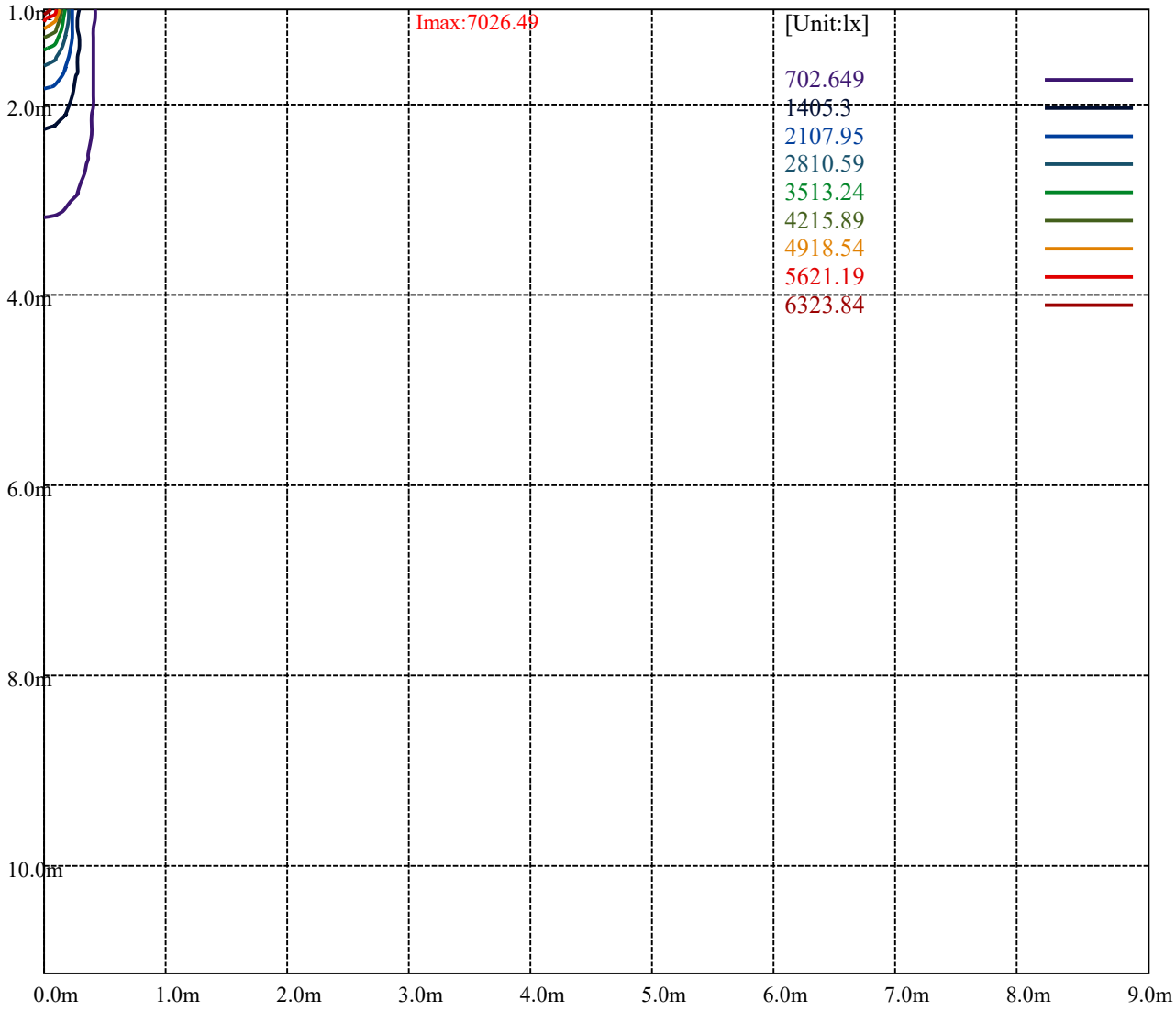



Equipment: GMS1980 Date: 2026/1/20 Operator: YZQ

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

## Space ISO Lux diagram






Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/1/20
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

## Luminance Limitting Curve(no luminous side)



Luminance Table

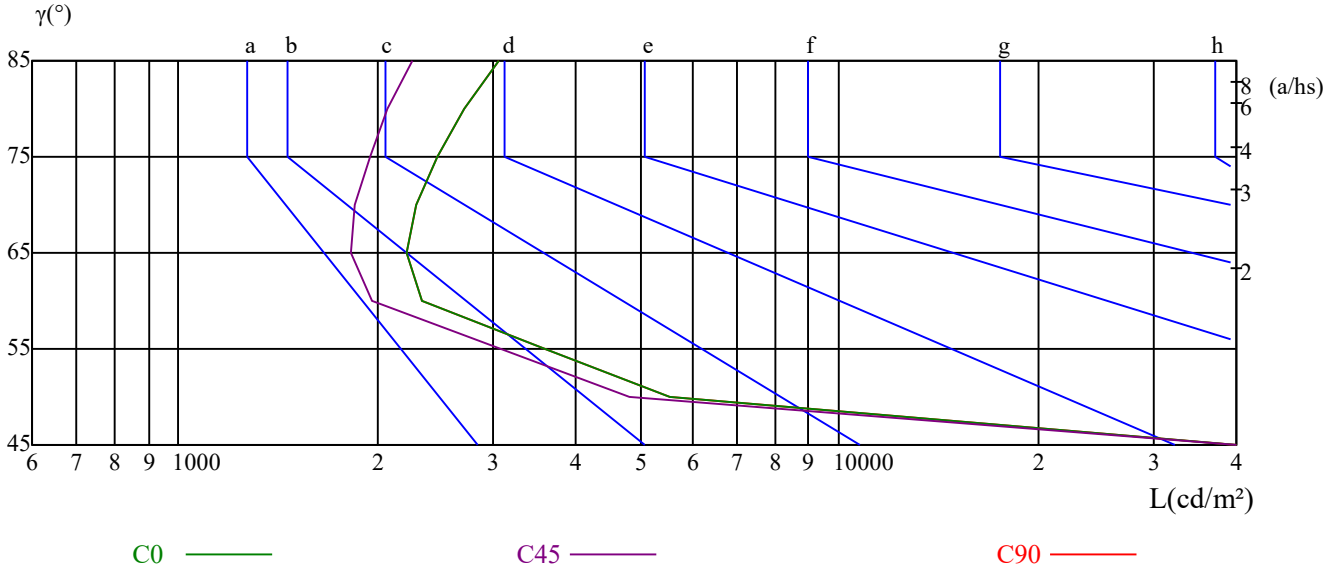
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 53629 | 5561 | 3590 | 2332 | 2209 | 2286 | 2462 | 2705 | 3047 |
| C45 | 47277 | 4833 | 3072 | 1963 | 1826 | 1850 | 1945 | 2076 | 2256 |
| C90 | 53629 | 5561 | 3590 | 2332 | 2209 | 2286 | 2462 | 2705 | 3047 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|---|---|---|---|---|---|---|---|---|
| 4483 | 4483 | 4483 | 6871 | 6871 | 6871 | 19762 | 19762 | 19762 |

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



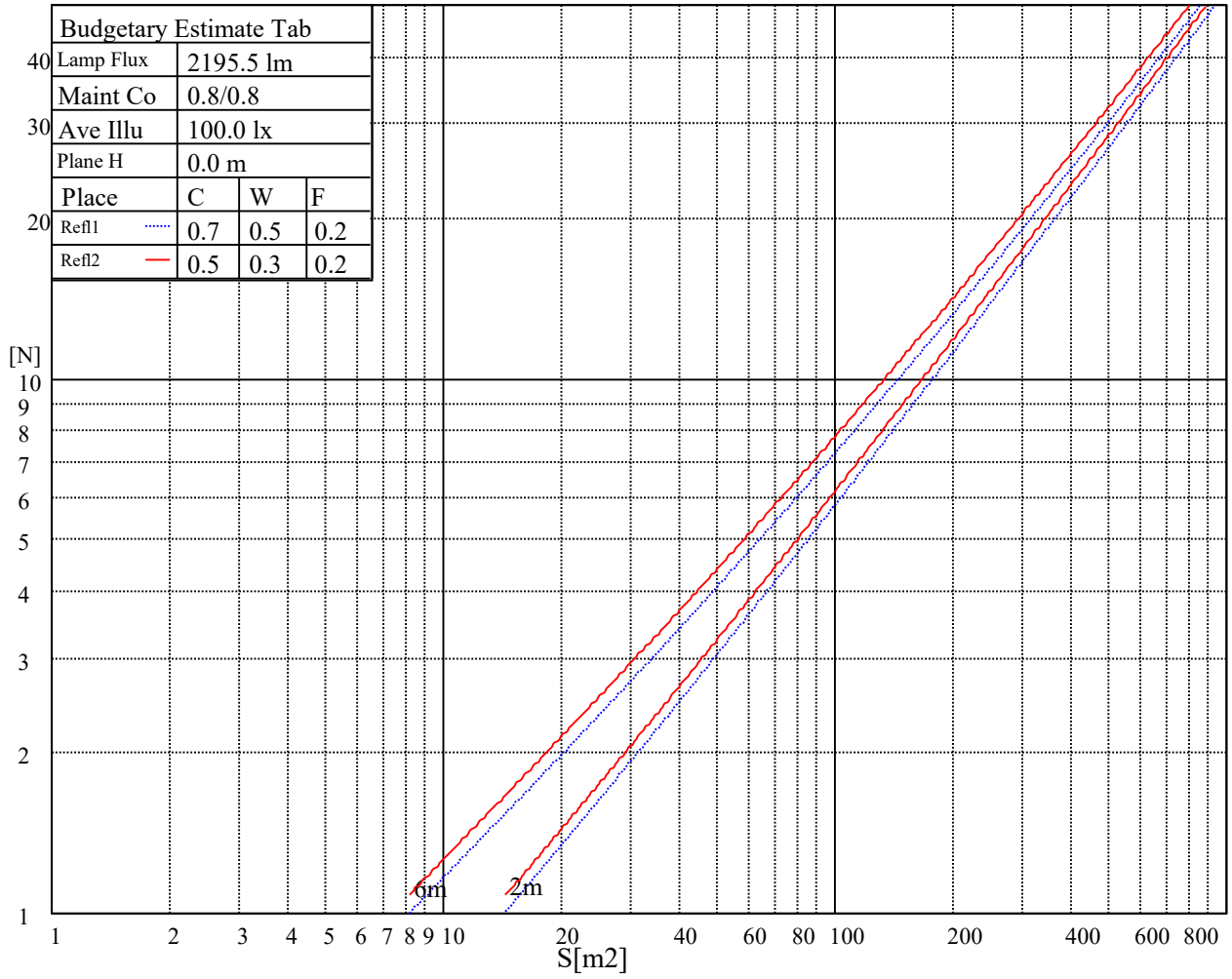
| Illumination assessment according UGR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rf of Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Rf of Wall | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Rf of Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X | Y | | | | | | | | | | |
| 2H | 2H | 22.11 | 23.08 | 22.47 | 23.39 | 23.71 | 21.93 | 22.91 | 22.30 | 23.22 | 23.53 |
| | 3H | 21.91 | 22.77 | 22.30 | 23.11 | 23.46 | 21.73 | 22.60 | 22.12 | 22.93 | 23.28 |
| | 4H | 21.81 | 22.61 | 22.21 | 22.97 | 23.33 | 21.64 | 22.43 | 22.04 | 22.79 | 23.16 |
| | 6H | 21.74 | 22.46 | 22.16 | 22.84 | 23.24 | 21.56 | 22.29 | 21.98 | 22.67 | 23.06 |
| | 8H | 21.67 | 22.36 | 22.09 | 22.75 | 23.16 | 21.49 | 22.19 | 21.92 | 22.57 | 22.98 |
| | 12H | 21.61 | 22.27 | 22.04 | 22.66 | 23.08 | 21.44 | 22.09 | 21.86 | 22.49 | 22.91 |
| 4H | 2H | 21.80 | 22.60 | 22.20 | 22.95 | 23.32 | 21.62 | 22.42 | 22.02 | 22.77 | 23.14 |
| | 3H | 21.56 | 22.23 | 21.99 | 22.62 | 23.04 | 21.39 | 22.05 | 21.81 | 22.45 | 22.86 |
| | 4H | 21.50 | 22.07 | 21.94 | 22.50 | 22.95 | 21.32 | 21.89 | 21.76 | 22.32 | 22.77 |
| | 6H | 21.38 | 21.88 | 21.85 | 22.34 | 22.79 | 21.20 | 21.71 | 21.68 | 22.16 | 22.61 |
| | 8H | 21.34 | 21.80 | 21.82 | 22.26 | 22.74 | 21.16 | 21.63 | 21.65 | 22.09 | 22.56 |
| | 12H | 21.31 | 21.74 | 21.80 | 22.19 | 22.71 | 21.13 | 21.56 | 21.62 | 22.02 | 22.54 |
| 8H | 4H | 21.30 | 21.77 | 21.79 | 22.23 | 22.70 | 21.12 | 21.59 | 21.61 | 22.05 | 22.52 |
| | 6H | 21.17 | 21.56 | 21.68 | 22.04 | 22.55 | 21.00 | 21.38 | 21.51 | 21.86 | 22.38 |
| | 8H | 21.19 | 21.51 | 21.72 | 22.03 | 22.53 | 21.01 | 21.33 | 21.55 | 21.86 | 22.35 |
| | 12H | 21.17 | 21.42 | 21.71 | 21.94 | 22.46 | 21.00 | 21.25 | 21.54 | 21.76 | 22.29 |
| 12H | 4H | 21.25 | 21.68 | 21.74 | 22.13 | 22.65 | 21.07 | 21.50 | 21.56 | 21.96 | 22.48 |
| | 6H | 21.16 | 21.48 | 21.70 | 22.01 | 22.50 | 20.99 | 21.31 | 21.52 | 21.83 | 22.33 |
| | 8H | 21.14 | 21.39 | 21.68 | 21.91 | 22.43 | 20.97 | 21.22 | 21.51 | 21.73 | 22.26 |

| Variation with the observer position at spacings: | | |
|---|---|---|
| S = 1.0H | 3.6/-14.6 | 3.6/-14.6 |
| S = 1.5H | 6.2/-13.1 | 6.2/-13.1 |
| S = 2.0H | 8.2/-11.9 | 8.2/-11.9 |
| Standard tables: | BK0 | BK0 |
| Uncorrected UGR | 2.4 | 2.4 |

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

## Budgetary Estimate Table



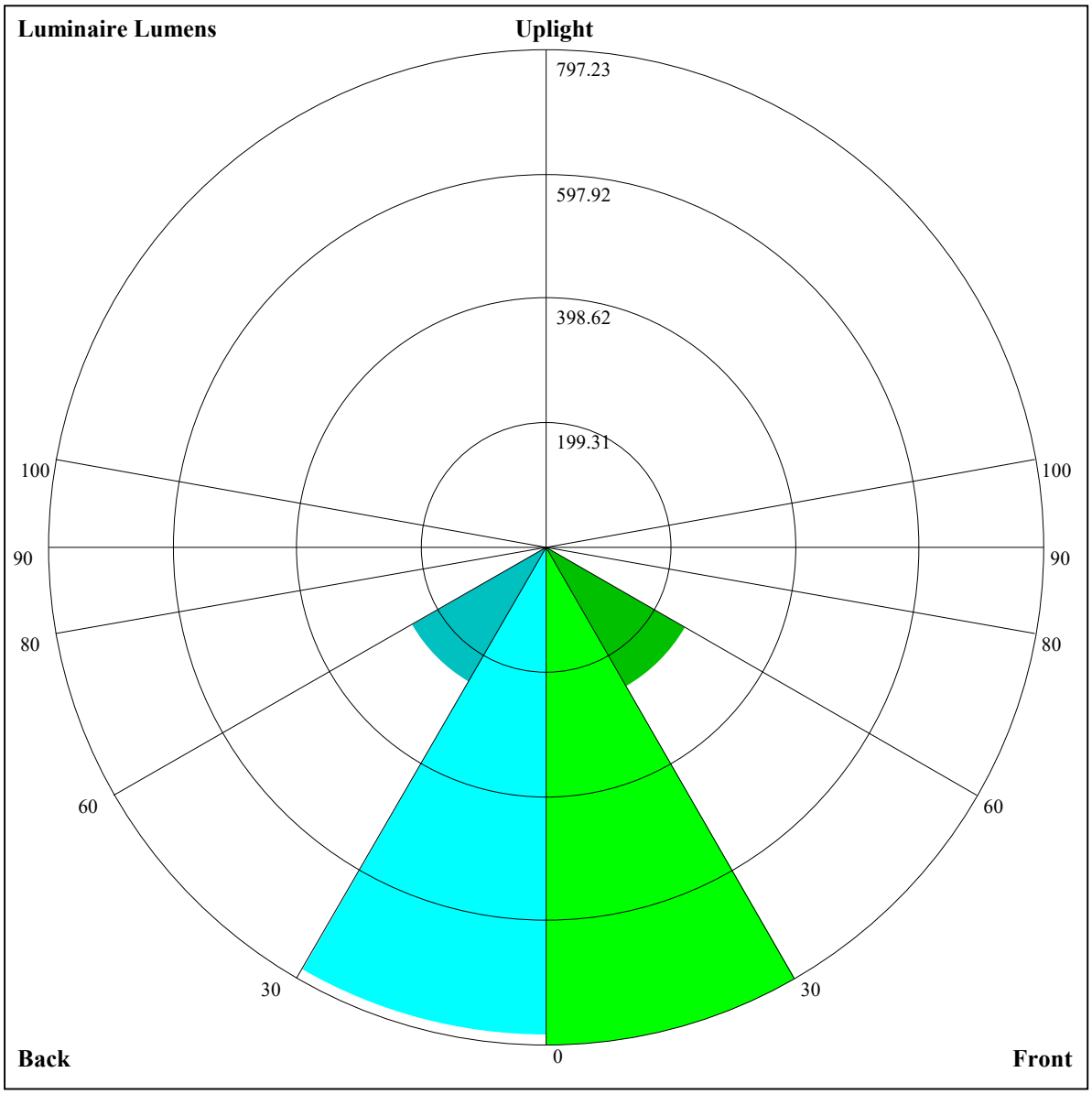



| | | |
|---|---|---|
| Equipment: GMS1980 | Date: 2026/1/20 | Operator: YZQ |
| Temperature(°C): 25.0 | Humidity(%): 60.0% | Distance(m): 9.28 |

## 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 | 1.14 | 1.14 | 1.14 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 0.98 | 0.98 | 0.98 | 0.96 |
| 1 | 1.07 | 1.05 | 1.03 | 1.05 | 1.03 | 1.01 | 1.01 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.92 | 0.91 |
| 2 | 1.00 | 0.97 | 0.94 | 0.99 | 0.96 | 0.93 | 0.96 | 0.93 | 0.91 | 0.93 | 0.91 | 0.89 | 0.90 | 0.89 | 0.87 | 0.86 |
| 3 | 0.95 | 0.90 | 0.87 | 0.93 | 0.89 | 0.86 | 0.91 | 0.88 | 0.85 | 0.89 | 0.86 | 0.84 | 0.86 | 0.84 | 0.82 | 0.81 |
| 4 | 0.89 | 0.85 | 0.81 | 0.88 | 0.84 | 0.81 | 0.86 | 0.83 | 0.80 | 0.84 | 0.81 | 0.79 | 0.83 | 0.80 | 0.78 | 0.77 |
| 5 | 0.85 | 0.80 | 0.76 | 0.84 | 0.79 | 0.76 | 0.82 | 0.78 | 0.75 | 0.81 | 0.77 | 0.75 | 0.79 | 0.76 | 0.74 | 0.73 |
| 6 | 0.81 | 0.76 | 0.72 | 0.80 | 0.75 | 0.72 | 0.78 | 0.74 | 0.71 | 0.77 | 0.74 | 0.71 | 0.76 | 0.73 | 0.70 | 0.69 |
| 7 | 0.77 | 0.72 | 0.68 | 0.76 | 0.71 | 0.68 | 0.75 | 0.71 | 0.68 | 0.74 | 0.70 | 0.67 | 0.73 | 0.70 | 0.67 | 0.66 |
| 8 | 0.73 | 0.68 | 0.65 | 0.73 | 0.68 | 0.65 | 0.72 | 0.68 | 0.64 | 0.71 | 0.67 | 0.64 | 0.70 | 0.67 | 0.64 | 0.63 |
| 9 | 0.70 | 0.65 | 0.62 | 0.70 | 0.65 | 0.62 | 0.69 | 0.65 | 0.62 | 0.68 | 0.64 | 0.61 | 0.67 | 0.64 | 0.61 | 0.60 |
| 10 | 0.67 | 0.63 | 0.59 | 0.67 | 0.62 | 0.59 | 0.66 | 0.62 | 0.59 | 0.66 | 0.62 | 0.59 | 0.65 | 0.61 | 0.59 | 0.58 |




Luminaire Lumens:
FL=797.23,FM=258.89,FH=4.74,FVH=2.35
BL=782.34,BM=249.96,BH=4.71,BVH=2.35
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 | 7041.13 | 7023.04 | 6962.76 | 6828.41 | 6664.79 | 6375.43 | 6086.93 | 5732.13 | 5329.09 |
| 45.0 | 7023.04 | 7046.29 | 7034.24 | 6958.45 | 6846.50 | 6683.74 | 6459.83 | 6101.57 | 5745.91 |
| 90.0 | 7043.71 | 7019.60 | 6930.03 | 6811.19 | 6638.95 | 6404.71 | 6036.12 | 5672.71 | 5245.56 |
| 135.0 | 6998.07 | 7035.10 | 7019.60 | 6953.29 | 6818.08 | 6657.90 | 6433.13 | 6064.54 | 5694.23 |
| 180.0 | 7041.13 | 6999.79 | 6917.98 | 6802.58 | 6577.81 | 6325.48 | 6011.15 | 5622.76 | 5062.13 |
| 225.0 | 7023.04 | 6952.42 | 6791.38 | 6615.70 | 6379.74 | 5987.04 | 5599.50 | 5042.32 | 4554.03 |
| 270.0 | 7043.71 | 7024.76 | 6957.59 | 6808.61 | 6648.43 | 6431.41 | 6070.57 | 5721.79 | 5213.69 |
| 315.0 | 6998.07 | 6914.53 | 6787.08 | 6570.06 | 6332.37 | 6040.43 | 5584.86 | 5155.99 | 4684.93 |
| 360.0 | 7041.13 | 7023.04 | 6962.76 | 6828.41 | 6664.79 | 6375.43 | 6086.93 | 5732.13 | 5329.09 |

| C/γ(°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 4765.88 | 4297.39 | 3827.19 | 3377.65 | 2861.80 | 2509.58 | 2219.36 | 1694.21 | 1694.21 |
| 45.0 | 5344.59 | 4788.27 | 4318.06 | 3849.58 | 3284.64 | 2874.72 | 2519.05 | 2153.05 | 1923.11 |
| 90.0 | 4653.06 | 4163.91 | 3681.65 | 3117.57 | 2721.43 | 2312.37 | 1701.53 | 1701.53 | 1661.22 |
| 135.0 | 5263.64 | 4794.30 | 4182.00 | 3702.32 | 3245.03 | 2835.10 | 2403.65 | 2120.32 | 1892.11 |
| 180.0 | 4572.97 | 4079.51 | 3595.53 | 3037.48 | 2646.50 | 2322.70 | 1999.76 | 1795.65 | 1590.69 |
| 225.0 | 4064.01 | 3473.24 | 3034.90 | 2647.37 | 2322.70 | 1703.25 | 1703.25 | 1621.87 | 1480.12 |
| 270.0 | 4754.68 | 4271.56 | 3786.71 | 3213.16 | 2798.93 | 2446.71 | 2158.21 | 1873.16 | 1694.04 |
| 315.0 | 4206.11 | 3623.09 | 3184.74 | 2788.60 | 2449.29 | 1942.06 | 1701.44 | 1701.44 | 1513.19 |
| 360.0 | 4765.88 | 4297.39 | 3827.19 | 3377.65 | 2861.80 | 2509.58 | 2219.36 | 1694.21 | 1694.21 |

| C/γ(°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 1581.22 | 1449.89 | 1310.03 | 1215.48 | 1115.84 | 1047.89 | 988.55 | 937.40 | 880.47 |
| 45.0 | 1736.23 | 1581.22 | 1420.18 | 1311.67 | 1216.94 | 1137.71 | 1053.31 | 994.75 | 942.22 |
| 90.0 | 1516.63 | 1362.22 | 1259.05 | 1170.61 | 1095.43 | 1014.65 | 957.98 | 909.24 | 855.93 |
| 135.0 | 1664.75 | 1518.35 | 1365.92 | 1263.44 | 1177.32 | 1101.54 | 1018.87 | 961.17 | 912.08 |
| 180.0 | 1450.32 | 1338.37 | 1241.05 | 1135.99 | 1065.37 | 1001.64 | 945.67 | 885.38 | 842.32 |
| 225.0 | 1331.13 | 1232.78 | 1148.47 | 1076.74 | 998.20 | 944.20 | 884.87 | 842.50 | 807.53 |
| 270.0 | 1537.30 | 1408.98 | 1274.64 | 1183.35 | 1086.04 | 1018.01 | 960.31 | 896.58 | 855.24 |
| 315.0 | 1387.20 | 1254.49 | 1163.89 | 1086.47 | 1020.07 | 949.02 | 899.85 | 855.24 | 817.44 |
| 360.0 | 1581.22 | 1449.89 | 1310.03 | 1215.48 | 1115.84 | 1047.89 | 988.55 | 937.40 | 880.47 |

| C/γ(°) | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 841.20 | 808.31 | 780.32 | 749.49 | 728.56 | 709.70 | 693.25 | 673.79 | 653.64 |
| 45.0 | 883.66 | 844.91 | 804.43 | 776.87 | 752.76 | 725.20 | 707.12 | 691.62 | 675.25 |
| 90.0 | 820.36 | 790.05 | 758.44 | 737.09 | 713.84 | 697.13 | 681.45 | 664.66 | 629.70 |
| 135.0 | 868.16 | 822.52 | 792.38 | 766.54 | 738.98 | 720.90 | 703.67 | 683.87 | 666.64 |
| 180.0 | 809.60 | 778.60 | 746.73 | 724.34 | 701.09 | 685.59 | 670.09 | 644.25 | 612.39 |
| 225.0 | 771.79 | 746.73 | 724.17 | 704.28 | 683.18 | 667.25 | 648.90 | 620.66 | 576.48 |
| 270.0 | 818.21 | 780.32 | 753.62 | 730.37 | 710.56 | 688.17 | 672.67 | 656.31 | 633.06 |
| 315.0 | 777.91 | 751.73 | 728.91 | 709.53 | 688.34 | 671.81 | 651.49 | 627.54 | 594.13 |
| 360.0 | 841.20 | 808.31 | 780.32 | 749.49 | 728.56 | 709.70 | 693.25 | 673.79 | 653.64 |

| C/γ(°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 615.66 | 577.34 | 533.16 | 473.82 | 424.99 | 375.82 | 325.18 | 263.52 | 214.87 |
| 45.0 | 651.14 | 608.94 | 570.19 | 526.27 | 480.63 | 442.73 | 442.73 | 311.15 | 249.05 |
| 90.0 | 592.58 | 551.16 | 506.29 | 445.06 | 396.75 | 347.14 | 297.71 | 235.88 | 188.86 |
| 135.0 | 638.22 | 593.44 | 551.24 | 503.88 | 456.51 | 444.46 | 381.25 | 285.48 | 237.17 |
| 180.0 | 575.36 | 521.96 | 474.60 | 438.43 | 438.43 | 325.96 | 265.68 | 219.69 | 173.96 |
| 225.0 | 536.26 | 490.62 | 432.14 | 382.80 | 332.68 | 269.90 | 222.79 | 165.00 | 123.24 |
| 270.0 | 590.00 | 549.52 | 493.54 | 446.18 | 434.98 | 376.34 | 285.57 | 237.51 | 191.79 |
| 315.0 | 546.51 | 502.93 | 458.58 | 412.25 | 351.71 | 301.50 | 252.33 | 191.70 | 148.64 |
| 360.0 | 615.66 | 577.34 | 533.16 | 473.82 | 424.99 | 375.82 | 325.18 | 263.52 | 214.87 |

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 | 167.16 | 122.72 | 73.63 | 42.71 | 22.22 | 13.43 | 12.40 | 11.45 | 10.42 |
| 45.0 | 199.62 | 142.78 | 100.76 | 64.93 | 31.26 | 16.88 | 13.18 | 12.14 | 11.02 |
| 90.0 | 132.45 | 91.72 | 56.67 | 25.66 | 15.85 | 13.78 | 12.92 | 11.71 | 10.76 |
| 135.0 | 177.23 | 134.86 | 94.90 | 52.45 | 28.51 | 17.22 | 13.95 | 13.00 | 11.71 |
| 180.0 | 117.29 | 79.06 | 47.37 | 21.36 | 13.87 | 12.49 | 11.37 | 10.42 | 9.65 |
| 225.0 | 85.08 | 52.62 | 28.42 | 14.47 | 12.49 | 11.63 | 10.68 | 9.56 | 8.78 |
| 270.0 | 136.24 | 95.85 | 60.54 | 32.64 | 16.28 | 13.69 | 12.75 | 11.88 | 10.59 |
| 315.0 | 107.39 | 70.19 | 35.39 | 19.38 | 14.55 | 13.26 | 12.31 | 10.94 | 10.08 |
| 360.0 | 167.16 | 122.72 | 73.63 | 42.71 | 22.22 | 13.43 | 12.40 | 11.45 | 10.42 |

| C/γ(°) | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 9.65 | 8.78 | 8.01 | 7.32 | 6.29 | 5.68 | 5.43 | 5.25 | 5.08 |
| 45.0 | 10.16 | 9.39 | 8.53 | 7.75 | 7.06 | 6.20 | 5.60 | 5.43 | 5.17 |
| 90.0 | 9.90 | 8.96 | 8.01 | 7.06 | 5.94 | 5.60 | 5.34 | 5.08 | 4.99 |
| 135.0 | 10.68 | 9.82 | 8.96 | 7.84 | 6.80 | 5.86 | 5.60 | 5.34 | 5.17 |
| 180.0 | 8.78 | 8.10 | 7.41 | 6.46 | 5.77 | 5.43 | 5.25 | 5.08 | 4.91 |
| 225.0 | 7.92 | 7.23 | 6.54 | 5.68 | 5.43 | 5.25 | 4.99 | 4.82 | 4.74 |
| 270.0 | 9.65 | 8.53 | 7.66 | 6.72 | 5.77 | 5.51 | 5.34 | 5.08 | 4.91 |
| 315.0 | 9.30 | 8.61 | 7.84 | 5.86 | 5.60 | 5.43 | 5.17 | 4.99 | 4.82 |
| 360.0 | 9.65 | 8.78 | 8.01 | 7.32 | 6.29 | 5.68 | 5.43 | 5.25 | 5.08 |

| C/γ(°) | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 4.99 | 4.91 | 4.82 | 4.74 | 4.65 | 4.65 | 4.56 | 4.65 | 4.56 |
| 45.0 | 5.08 | 4.91 | 4.82 | 4.74 | 4.74 | 4.65 | 4.56 | 4.56 | 4.56 |
| 90.0 | 4.82 | 4.82 | 4.74 | 4.65 | 4.65 | 4.56 | 4.56 | 4.56 | 4.48 |
| 135.0 | 4.99 | 4.91 | 4.82 | 4.74 | 4.74 | 4.65 | 4.65 | 4.56 | 4.56 |
| 180.0 | 4.82 | 4.74 | 4.74 | 4.56 | 4.56 | 4.56 | 4.56 | 4.48 | 4.48 |
| 225.0 | 4.74 | 4.65 | 4.65 | 4.56 | 4.56 | 4.48 | 4.48 | 4.39 | 4.48 |
| 270.0 | 4.82 | 4.74 | 4.65 | 4.65 | 4.65 | 4.56 | 4.56 | 4.48 | 4.48 |
| 315.0 | 4.74 | 4.74 | 4.65 | 4.65 | 4.65 | 4.56 | 4.56 | 4.56 | 4.48 |
| 360.0 | 4.99 | 4.91 | 4.82 | 4.74 | 4.65 | 4.65 | 4.56 | 4.65 | 4.56 |

| C/γ(°) | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 4.48 | 4.48 | 4.48 | 4.48 | 4.48 | 4.39 | 4.39 | 4.48 | 4.39 |
| 45.0 | 4.56 | 4.56 | 4.48 | 4.48 | 4.48 | 4.48 | 4.39 | 4.39 | 4.39 |
| 90.0 | 4.48 | 4.39 | 4.48 | 4.39 | 4.48 | 4.39 | 4.39 | 4.39 | 4.39 |
| 135.0 | 4.48 | 4.48 | 4.48 | 4.48 | 4.48 | 4.48 | 4.39 | 4.39 | 4.39 |
| 180.0 | 4.48 | 4.48 | 4.39 | 4.48 | 4.39 | 4.39 | 4.39 | 4.48 | 4.39 |
| 225.0 | 4.48 | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 | 4.39 | 4.31 |
| 270.0 | 4.48 | 4.48 | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 |
| 315.0 | 4.48 | 4.48 | 4.48 | 4.48 | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 |
| 360.0 | 4.48 | 4.48 | 4.48 | 4.48 | 4.48 | 4.39 | 4.39 | 4.48 | 4.39 |

| C/γ(°) | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 | 4.31 | 4.39 | 4.31 | 4.22 |
| 45.0 | 4.48 | 4.31 | 4.39 | 4.39 | 4.39 | 4.31 | 4.22 | 4.31 | 4.31 |
| 90.0 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 | 4.31 | 4.31 | 4.22 | 4.31 |
| 135.0 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 | 4.22 | 4.31 | 4.31 | 4.22 |
| 180.0 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 | 4.22 | 4.31 | 4.31 | 4.22 |
| 225.0 | 4.31 | 4.39 | 4.39 | 4.31 | 4.31 | 4.22 | 4.22 | 4.22 | 4.22 |
| 270.0 | 4.39 | 4.31 | 4.31 | 4.31 | 4.22 | 4.31 | 4.31 | 4.22 | 4.31 |
| 315.0 | 4.31 | 4.39 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 | 4.22 |
| 360.0 | 4.39 | 4.39 | 4.39 | 4.39 | 4.31 | 4.31 | 4.39 | 4.31 | 4.22 |

## Intensity data(cd)



| C/γ(°) | 90.0 |
|---|---|
| 0.0 | 4.22 |
| 45.0 | 4.22 |
| 90.0 | 4.22 |
| 135.0 | 4.22 |
| 180.0 | 4.22 |
| 225.0 | 4.22 |
| 270.0 | 4.22 |
| 315.0 | 4.22 |
| 360.0 | 4.22 |