NATA LIGHTING CO.,LTD
www.nata.cn
Email:info@nata.cn
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: 3-2995-LM
Luminaire: 92.70.412.00 LED HOLDER
Report No: 20260202-B004
Ballast type: DC

| | |
|---|---|
| Test No: 20260202-C004 | Voltage(V): 36.910 |
| LampCAT: CITIZEN CLU038 LES14.5 | Current(A): 0.723 |
| Lamp flux(lm): 3615.0 | Power (W): 26.680 |
| Number of Lamps: 1 | PF: 0.000 |
| Length(mm): 92 | Width(mm): 92 |
| Phm Type: C | Height(mm): 49 |

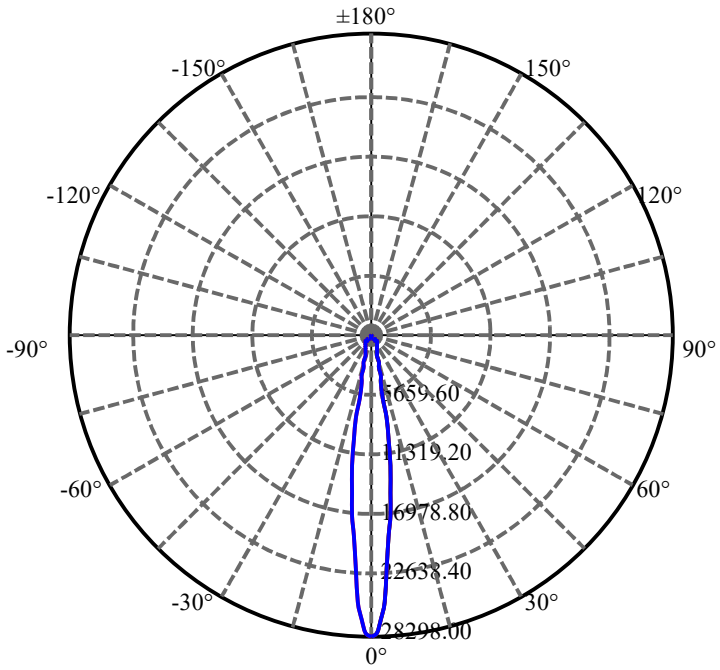
## Photometric Results

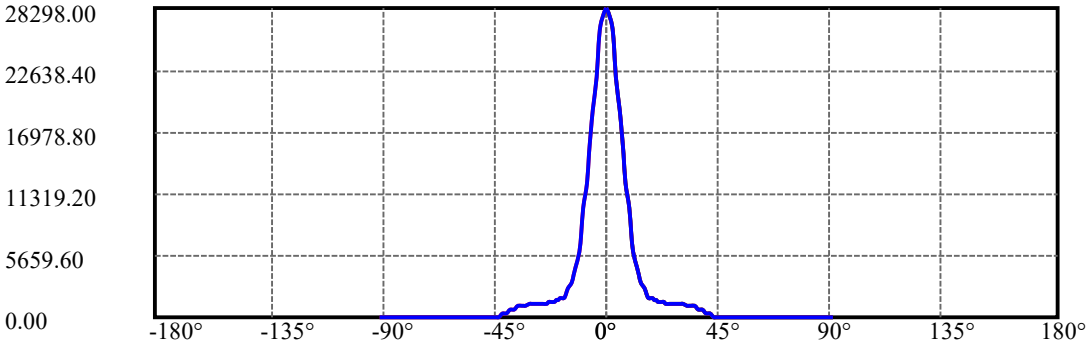
Lumens(lm): 3563.00, Efficiency(%): 98.56% , Luminous Efficacy(lm/W): 133.55
Central intensity(cd): 28298.000, Maximum intensity(cd): 28298.000
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=14.6
[C90/270]Total=14.6
Field angle(10%Imax): [C0/180]Total=29.2
[C90/270]Total=29.2
Maximum s/h(1/2): C0_180=0.25 C90_270=0.25
Maximum s/h(1/4): C0_180=0.25 C90_270=0.25
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 98.56%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.368%

| | | |
|---|---|---|
| Equipment: GMS1980 | Date: 2026/2/2 | Operator: YZQ |
| Temperature(°C): 25.0 | Humidity(%): 60.0% | Distance(m): 9.16 |

Light Distribution Curve [Unit:cd]






C0(Max):

C0/C180:

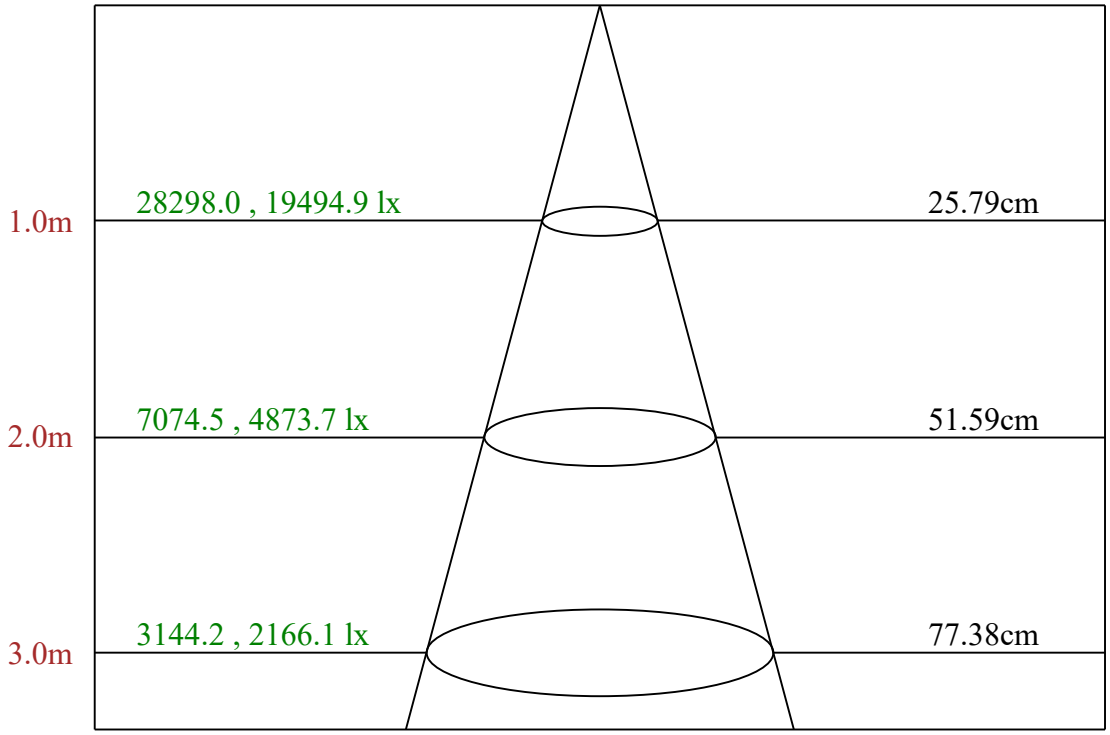
C90/C270:

Field angle(10%Imax):C0/180Left:14.6 Right:14.6
:C90/270Left:14.6 Right:14.6

Beam Angle(50%Imax):C0/180Left:7.3 Right:7.3
:C90/270Left:7.3 Right:7.3

Lux distance Curve



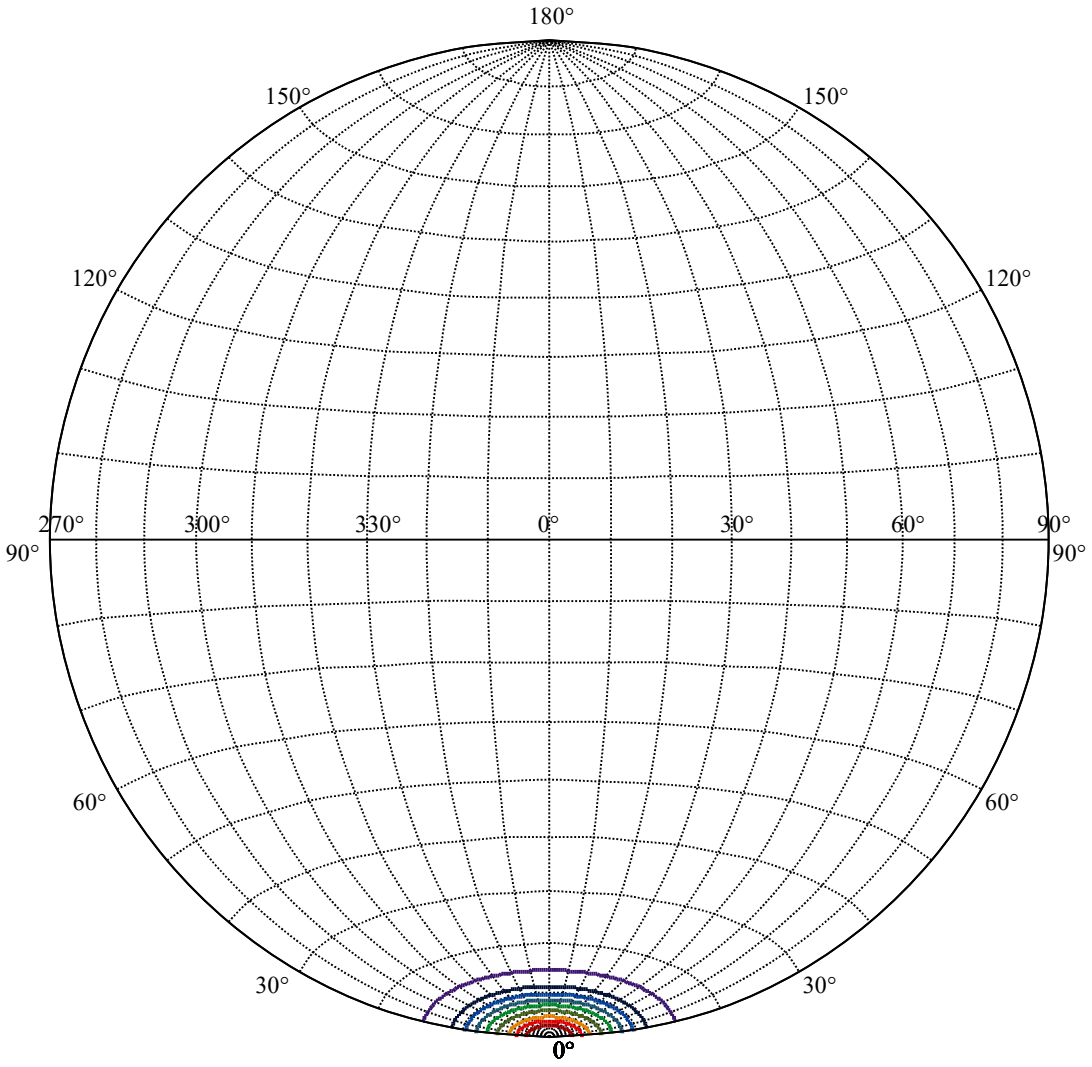



Max , Ave

Beam angle of C0 plane 14.70

## ISO candela diagram on circular web






House [Unit:cd] Road

Imax:28298.00

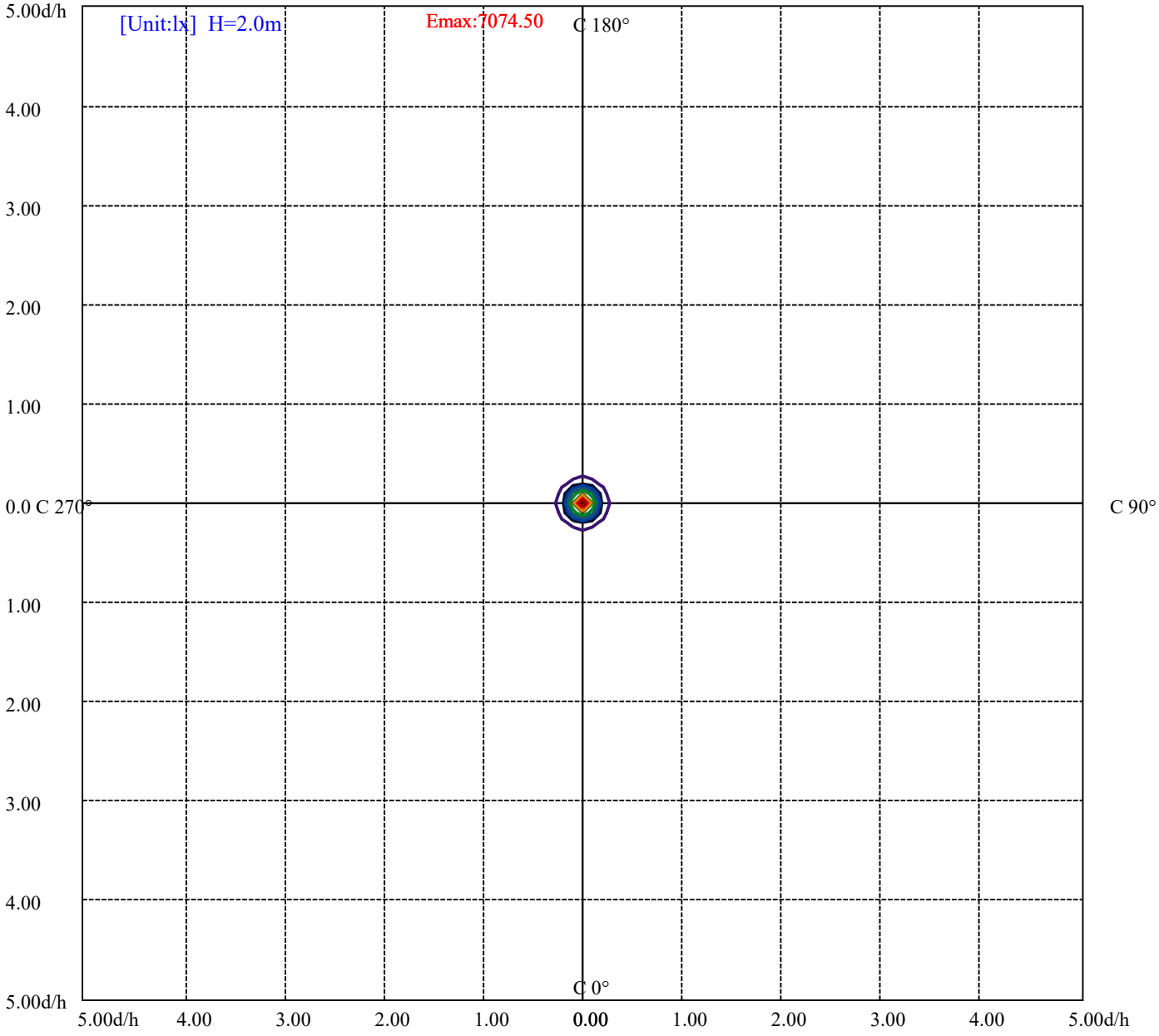
(10%Imax) 2829.8
(20%Imax) 5659.6
(30%Imax) 8489.4
(40%Imax) 11319.2
(50%Imax) 14149
(60%Imax) 16978.8
(70%Imax) 19808.6
(80%Imax) 22638.4
(90%Imax) 25468.2

Equipment: GMS1980 Date: 2026/2/2 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.16

NT Nata 3-2995-LM

ISO illuminance diagram



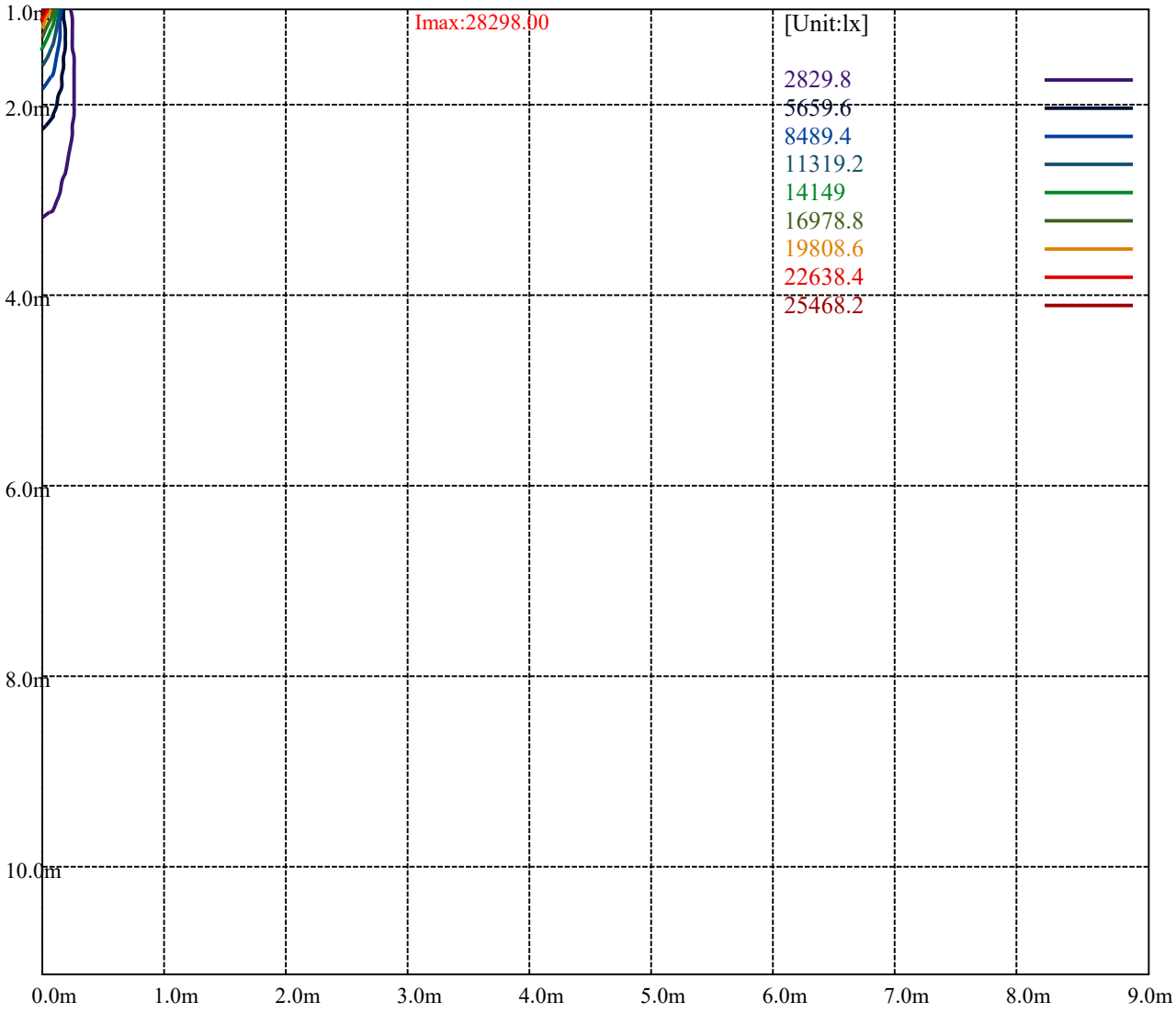



(10%Emax) 707.4475
(20%Emax) 1414.897
(30%Emax) 2122.345
(40%Emax) 2829.8
(50%Emax) 3537.25
(60%Emax) 4244.7
(70%Emax) 4952.15
(80%Emax) 5659.6
(90%Emax) 6367.05

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2026/2/2
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.16

## Space ISO Lux diagram






Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/2/2
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.16

NT Nata 3-2995-LM

## Luminance Limitting Curve(no luminous side)



Luminance Table

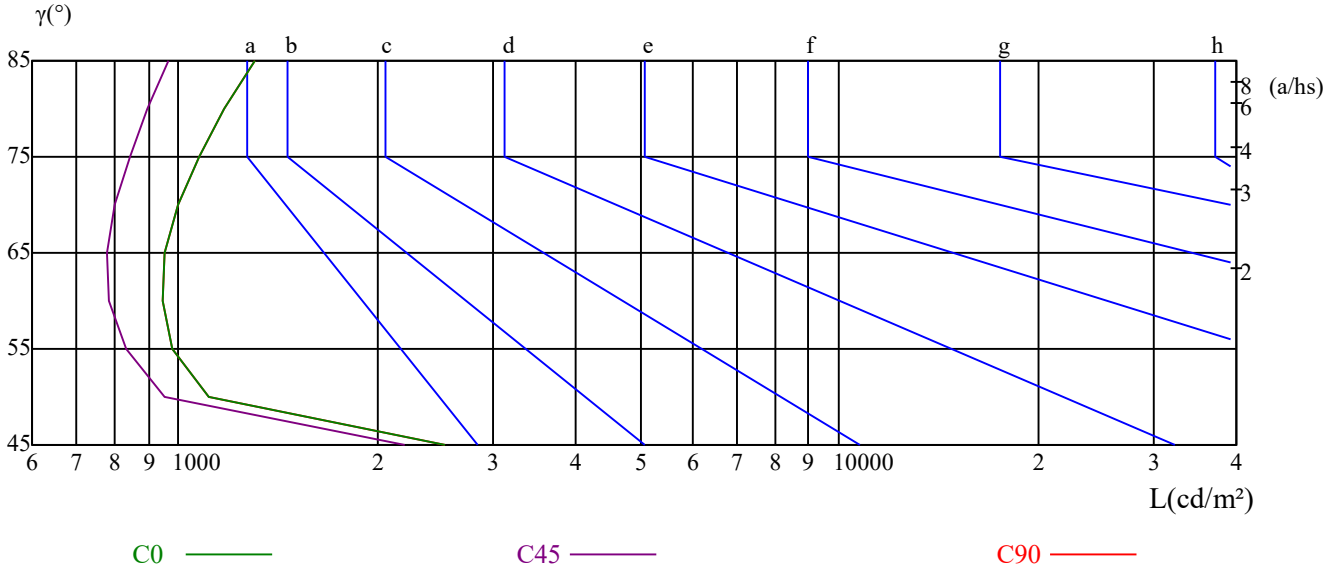
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 2527 | 1109 | 982 | 943 | 953 | 1000 | 1077 | 1175 | 1307 |
| C45 | 2206 | 954 | 831 | 786 | 779 | 801 | 843 | 895 | 963 |
| C90 | 2527 | 1109 | 982 | 943 | 953 | 1000 | 1077 | 1175 | 1307 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|---|---|---|---|---|---|---|---|---|
| 2064 | 2064 | 2064 | 3260 | 3260 | 3260 | 9426 | 9426 | 9426 |

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 | 17.58 | 18.49 | 17.94 | 18.80 | 19.11 | 17.60 | 18.51 | 17.97 | 18.83 | 19.14 |
| | 3H | 17.37 | 18.18 | 17.76 | 18.52 | 18.86 | 17.39 | 18.20 | 17.78 | 18.54 | 18.89 |
| | 4H | 17.27 | 18.02 | 17.67 | 18.37 | 18.74 | 17.30 | 18.05 | 17.70 | 18.40 | 18.77 |
| | 6H | 17.20 | 17.88 | 17.62 | 18.26 | 18.66 | 17.22 | 17.90 | 17.64 | 18.28 | 18.68 |
| | 8H | 17.13 | 17.79 | 17.56 | 18.17 | 18.58 | 17.16 | 17.81 | 17.58 | 18.20 | 18.61 |
| | 12H | 17.08 | 17.70 | 17.51 | 18.09 | 18.51 | 17.11 | 17.72 | 17.53 | 18.12 | 18.54 |
| 4H | 2H | 17.25 | 18.00 | 17.65 | 18.35 | 18.72 | 17.27 | 18.02 | 17.68 | 18.38 | 18.75 |
| | 3H | 17.01 | 17.63 | 17.43 | 18.03 | 18.45 | 17.03 | 17.66 | 17.46 | 18.06 | 18.47 |
| | 4H | 16.94 | 17.48 | 17.38 | 17.91 | 18.36 | 16.97 | 17.51 | 17.41 | 17.93 | 18.38 |
| | 6H | 16.83 | 17.31 | 17.31 | 17.76 | 18.21 | 16.86 | 17.33 | 17.33 | 17.79 | 18.24 |
| | 8H | 16.80 | 17.24 | 17.28 | 17.70 | 18.17 | 16.82 | 17.26 | 17.31 | 17.72 | 18.20 |
| | 12H | 16.78 | 17.18 | 17.27 | 17.64 | 18.16 | 16.80 | 17.21 | 17.29 | 17.66 | 18.18 |
| 8H | 4H | 16.74 | 17.18 | 17.23 | 17.64 | 18.12 | 16.77 | 17.21 | 17.25 | 17.67 | 18.14 |
| | 6H | 16.63 | 16.99 | 17.14 | 17.47 | 17.99 | 16.66 | 17.02 | 17.17 | 17.50 | 18.01 |
| | 8H | 16.66 | 16.96 | 17.19 | 17.48 | 17.98 | 16.68 | 16.98 | 17.22 | 17.51 | 18.00 |
| | 12H | 16.66 | 16.89 | 17.21 | 17.41 | 17.93 | 16.69 | 16.91 | 17.23 | 17.43 | 17.95 |
| 12H | 4H | 16.69 | 17.10 | 17.18 | 17.55 | 18.07 | 16.72 | 17.12 | 17.21 | 17.57 | 18.10 |
| | 6H | 16.62 | 16.92 | 17.16 | 17.45 | 17.94 | 16.65 | 16.95 | 17.18 | 17.47 | 17.97 |
| | 8H | 16.62 | 16.84 | 17.16 | 17.36 | 17.89 | 16.64 | 16.87 | 17.19 | 17.39 | 17.91 |

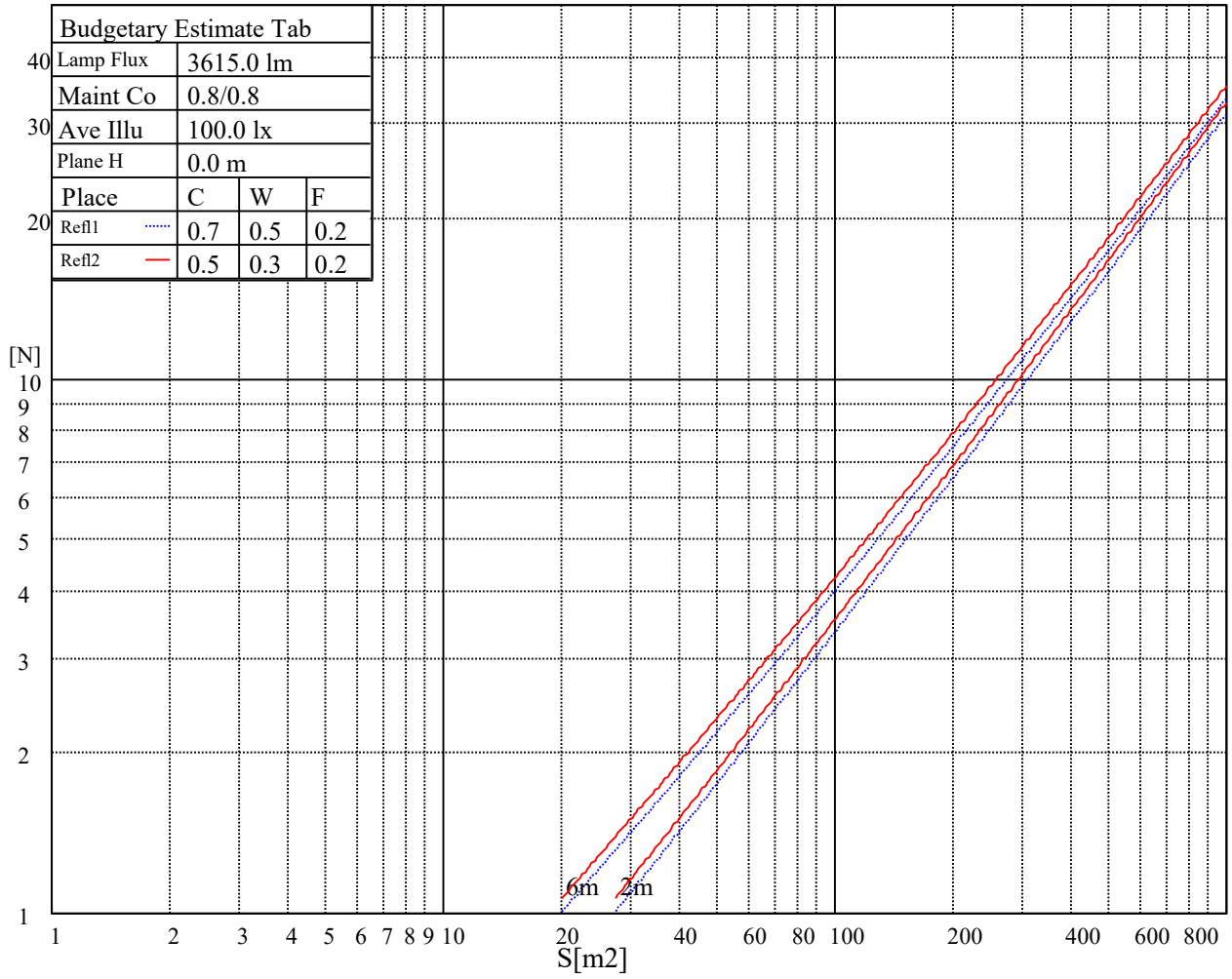
Variation with the observer position at spacings:

| | | |
|---|---|---|
| S = 1.0H | 5.0/-14.3 | 5.0/-14.3 |
| S = 1.5H | 7.8/-12.2 | 7.8/-12.2 |
| S = 2.0H | 9.7/-10.8 | 9.7/-10.8 |
| Standard tables: | BK0 | BK0 |
| Uncorrected UGR | -2.0 | -2.0 |

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

## Budgetary Estimate Table



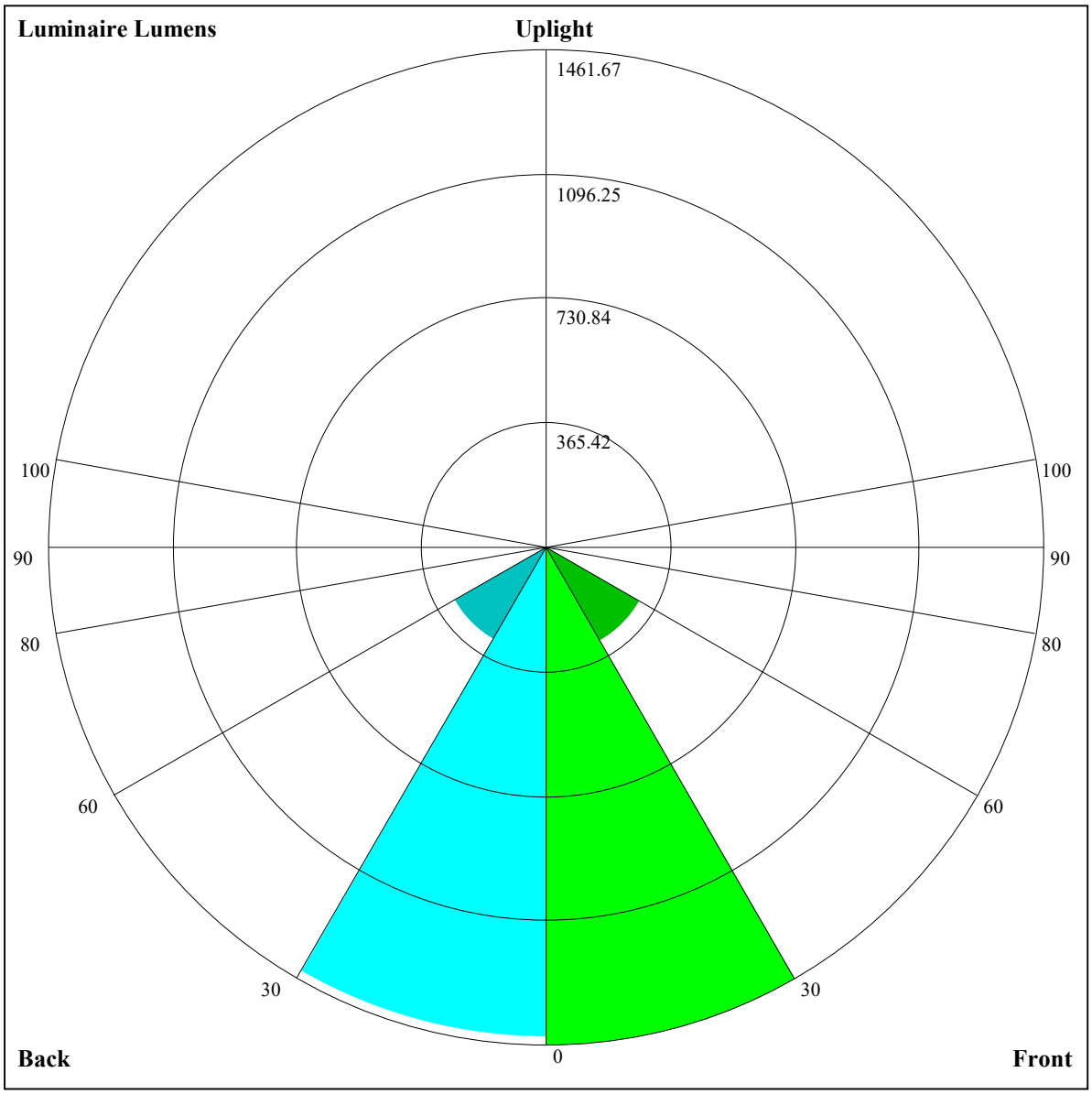



Equipment: GMS1980 Date: 2026/2/2 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.16

## 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 | 1.17 | 1.17 | 1.17 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | 0.99 |
| 1 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.94 |
| 2 | 1.05 | 1.02 | 0.99 | 1.03 | 1.01 | 0.98 | 1.00 | 0.98 | 0.96 | 0.97 | 0.96 | 0.94 | 0.95 | 0.93 | 0.92 | 0.91 |
| 3 | 1.00 | 0.96 | 0.93 | 0.99 | 0.95 | 0.92 | 0.96 | 0.93 | 0.91 | 0.94 | 0.92 | 0.90 | 0.92 | 0.90 | 0.88 | 0.87 |
| 4 | 0.96 | 0.91 | 0.88 | 0.95 | 0.91 | 0.88 | 0.93 | 0.89 | 0.87 | 0.91 | 0.88 | 0.86 | 0.89 | 0.87 | 0.85 | 0.83 |
| 5 | 0.92 | 0.87 | 0.84 | 0.91 | 0.87 | 0.84 | 0.89 | 0.86 | 0.83 | 0.88 | 0.85 | 0.82 | 0.86 | 0.84 | 0.82 | 0.80 |
| 6 | 0.88 | 0.84 | 0.80 | 0.87 | 0.83 | 0.80 | 0.86 | 0.82 | 0.80 | 0.85 | 0.82 | 0.79 | 0.84 | 0.81 | 0.79 | 0.78 |
| 7 | 0.85 | 0.80 | 0.77 | 0.84 | 0.80 | 0.77 | 0.83 | 0.80 | 0.77 | 0.82 | 0.79 | 0.76 | 0.81 | 0.78 | 0.76 | 0.75 |
| 8 | 0.82 | 0.78 | 0.75 | 0.82 | 0.77 | 0.74 | 0.81 | 0.77 | 0.74 | 0.80 | 0.76 | 0.74 | 0.79 | 0.76 | 0.74 | 0.73 |
| 9 | 0.79 | 0.75 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.75 | 0.72 | 0.77 | 0.74 | 0.72 | 0.77 | 0.74 | 0.71 | 0.70 |
| 10 | 0.77 | 0.73 | 0.70 | 0.77 | 0.73 | 0.70 | 0.76 | 0.72 | 0.70 | 0.75 | 0.72 | 0.70 | 0.75 | 0.72 | 0.69 | 0.68 |




Luminaire Lumens:
FL=1461.67,FM=317.29,FH=7.44,FVH=3.8
BL=1440.15,BM=314.04,BH=7.45,BVH=3.8
UL=0,UH=0

BUG Rating:B3-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 | 28532.94 | 28180.53 | 27131.71 | 25554.29 | 23557.34 | 16161.98 | 16161.98 | 15541.08 | 12489.43 |
| 45.0 | 27920.43 | 28524.55 | 28432.25 | 27316.31 | 25730.49 | 23708.37 | 20746.50 | 18271.28 | 15787.68 |
| 90.0 | 28591.67 | 28247.66 | 26880.00 | 25168.32 | 23053.90 | 16244.21 | 16244.21 | 15014.15 | 12596.83 |
| 135.0 | 28146.97 | 28633.63 | 28205.71 | 27140.11 | 25000.51 | 22785.40 | 20343.75 | 17214.07 | 14747.25 |
| 180.0 | 28532.94 | 28021.11 | 26846.44 | 25151.54 | 22483.34 | 20083.64 | 17608.43 | 14453.58 | 12037.10 |
| 225.0 | 27920.43 | 26687.02 | 24438.35 | 22214.85 | 16536.20 | 16536.20 | 13995.54 | 11548.01 | 9300.18 |
| 270.0 | 28591.67 | 28205.71 | 26770.92 | 25042.47 | 22894.48 | 19899.05 | 17365.10 | 14797.59 | 11760.21 |
| 315.0 | 28146.97 | 27031.03 | 24908.22 | 22743.45 | 16447.26 | 16447.26 | 14534.21 | 12048.93 | 9758.31 |
| 360.0 | 28532.94 | 28180.53 | 27131.71 | 25554.29 | 23557.34 | 16161.98 | 16161.98 | 15541.08 | 12489.43 |

| C/γ(°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 10192.10 | 8117.95 | 5986.75 | 4689.57 | 3713.75 | 2880.56 | 2440.06 | 2120.38 | 1671.90 |
| 45.0 | 12767.08 | 10476.45 | 8378.81 | 6197.27 | 4854.78 | 4301.00 | 4301.00 | 2471.94 | 2138.84 |
| 90.0 | 10291.11 | 7742.05 | 6064.78 | 4739.07 | 3545.10 | 2894.83 | 2439.22 | 2054.93 | 1662.17 |
| 135.0 | 12355.94 | 10098.88 | 7623.66 | 5995.89 | 4703.75 | 4435.25 | 3454.48 | 2445.93 | 2131.29 |
| 180.0 | 9788.43 | 7313.21 | 5702.22 | 4468.81 | 4468.81 | 2770.65 | 2352.80 | 2063.32 | 1814.12 |
| 225.0 | 6874.47 | 5337.32 | 4177.74 | 3161.65 | 2621.29 | 2174.08 | 1651.51 | 1651.51 | 1622.31 |
| 270.0 | 9519.93 | 7522.98 | 5844.86 | 4275.83 | 4275.83 | 3313.52 | 2362.87 | 2011.30 | 1813.28 |
| 315.0 | 7715.20 | 5675.46 | 4445.40 | 3544.26 | 2904.90 | 2372.93 | 2082.62 | 1661.25 | 1661.25 |
| 360.0 | 10192.10 | 8117.95 | 5986.75 | 4689.57 | 3713.75 | 2880.56 | 2440.06 | 2120.38 | 1671.90 |

| C/γ(°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 1671.90 | 1592.61 | 1511.81 | 1449.13 | 1387.30 | 1348.70 | 1316.48 | 1282.25 | 1257.41 |
| 45.0 | 1907.26 | 1744.48 | 1596.81 | 1511.22 | 1446.62 | 1388.72 | 1351.80 | 1321.60 | 1288.03 |
| 90.0 | 1662.17 | 1559.81 | 1482.61 | 1424.72 | 1379.74 | 1336.11 | 1307.58 | 1283.42 | 1261.94 |
| 135.0 | 1866.98 | 1721.83 | 1617.78 | 1520.45 | 1461.72 | 1416.41 | 1371.94 | 1341.73 | 1316.56 |
| 180.0 | 1673.16 | 1569.12 | 1491.93 | 1418.09 | 1372.78 | 1336.70 | 1301.46 | 1276.29 | 1248.60 |
| 225.0 | 1523.22 | 1435.88 | 1385.45 | 1346.85 | 1315.14 | 1282.25 | 1259.67 | 1238.03 | 1213.53 |
| 270.0 | 1666.45 | 1538.91 | 1468.43 | 1413.89 | 1360.19 | 1327.47 | 1292.23 | 1269.58 | 1247.76 |
| 315.0 | 1587.75 | 1510.38 | 1439.48 | 1395.35 | 1358.85 | 1321.43 | 1295.08 | 1271.42 | 1249.27 |
| 360.0 | 1671.90 | 1592.61 | 1511.81 | 1449.13 | 1387.30 | 1348.70 | 1316.48 | 1282.25 | 1257.41 |

| C/γ(°) | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 1234.08 | 1207.82 | 1188.36 | 1165.28 | 1145.40 | 1125.85 | 1107.39 | 1088.26 | 1018.87 |
| 45.0 | 1264.54 | 1237.69 | 1218.39 | 1199.93 | 1182.31 | 1159.66 | 1140.36 | 1122.74 | 1104.28 |
| 90.0 | 1237.52 | 1219.48 | 1202.70 | 1182.15 | 1163.60 | 1144.64 | 1121.57 | 1099.25 | 1026.25 |
| 135.0 | 1293.91 | 1267.06 | 1246.92 | 1228.46 | 1210.00 | 1185.67 | 1166.37 | 1142.04 | 1117.71 |
| 180.0 | 1227.62 | 1208.32 | 1187.35 | 1169.73 | 1147.91 | 1129.45 | 1106.80 | 1076.59 | 1003.59 |
| 225.0 | 1195.57 | 1178.37 | 1157.65 | 1137.09 | 1114.77 | 1096.81 | 1062.41 | 987.07 | 855.08 |
| 270.0 | 1227.62 | 1204.97 | 1188.19 | 1170.57 | 1149.59 | 1131.97 | 1110.99 | 1087.50 | 1030.44 |
| 315.0 | 1223.60 | 1203.54 | 1185.08 | 1165.78 | 1141.37 | 1123.16 | 1101.18 | 1030.36 | 933.87 |
| 360.0 | 1234.08 | 1207.82 | 1188.36 | 1165.28 | 1145.40 | 1125.85 | 1107.39 | 1088.26 | 1018.87 |

| C/γ(°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 918.10 | 801.21 | 672.17 | 501.50 | 371.11 | 249.95 | 122.84 | 57.56 | 32.22 |
| 45.0 | 1067.36 | 952.41 | 830.75 | 663.78 | 521.98 | 423.81 | 423.81 | 123.76 | 56.89 |
| 90.0 | 931.10 | 809.02 | 668.81 | 483.30 | 345.36 | 220.92 | 119.99 | 56.38 | 29.03 |
| 135.0 | 1058.97 | 925.56 | 799.70 | 665.46 | 521.98 | 449.82 | 449.82 | 115.87 | 53.45 |
| 180.0 | 898.71 | 748.52 | 624.34 | 495.13 | 430.52 | 430.52 | 105.13 | 39.86 | 28.78 |
| 225.0 | 734.43 | 606.64 | 472.98 | 310.28 | 190.13 | 94.48 | 43.80 | 28.02 | 21.40 |
| 270.0 | 913.82 | 791.31 | 627.70 | 482.54 | 444.78 | 275.29 | 90.70 | 44.05 | 29.28 |
| 315.0 | 787.54 | 651.11 | 509.22 | 370.44 | 215.81 | 115.96 | 56.22 | 35.24 | 26.68 |
| 360.0 | 918.10 | 801.21 | 672.17 | 501.50 | 371.11 | 249.95 | 122.84 | 57.56 | 32.22 |

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 | 25.42 | 18.29 | 12.08 | 10.66 | 10.15 | 9.82 | 9.40 | 9.06 | 8.89 |
| 45.0 | 30.63 | 24.08 | 17.37 | 12.42 | 10.40 | 9.98 | 9.57 | 9.31 | 8.98 |
| 90.0 | 22.82 | 15.19 | 11.33 | 10.49 | 9.90 | 9.57 | 9.23 | 8.98 | 8.73 |
| 135.0 | 31.63 | 24.67 | 18.21 | 14.01 | 12.59 | 11.83 | 11.08 | 10.66 | 10.15 |
| 180.0 | 21.56 | 13.84 | 10.82 | 10.32 | 9.90 | 9.48 | 9.31 | 9.06 | 8.81 |
| 225.0 | 14.01 | 10.74 | 10.07 | 9.57 | 9.31 | 9.06 | 8.89 | 8.64 | 8.39 |
| 270.0 | 20.98 | 15.10 | 11.16 | 10.07 | 9.65 | 9.31 | 9.15 | 8.81 | 8.56 |
| 315.0 | 19.72 | 14.52 | 12.50 | 11.66 | 11.08 | 10.49 | 10.07 | 9.73 | 9.23 |
| 360.0 | 25.42 | 18.29 | 12.08 | 10.66 | 10.15 | 9.82 | 9.40 | 9.06 | 8.89 |

| C/γ(°) | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 8.64 | 8.39 | 8.22 | 8.14 | 7.89 | 7.80 | 7.72 | 7.64 | 7.55 |
| 45.0 | 8.73 | 8.47 | 8.22 | 8.14 | 7.97 | 7.89 | 7.80 | 7.72 | 7.55 |
| 90.0 | 8.47 | 8.31 | 8.05 | 7.97 | 7.89 | 7.72 | 7.64 | 7.55 | 7.47 |
| 135.0 | 9.65 | 9.31 | 8.98 | 8.64 | 8.47 | 8.31 | 8.14 | 7.97 | 7.80 |
| 180.0 | 8.56 | 8.31 | 8.22 | 8.05 | 7.89 | 7.89 | 7.72 | 7.64 | 7.55 |
| 225.0 | 8.22 | 8.05 | 7.89 | 7.80 | 7.64 | 7.64 | 7.55 | 7.47 | 7.47 |
| 270.0 | 8.39 | 8.14 | 8.05 | 7.97 | 7.72 | 7.72 | 7.64 | 7.55 | 7.47 |
| 315.0 | 8.98 | 8.73 | 8.47 | 8.22 | 8.14 | 7.97 | 7.80 | 7.72 | 7.64 |
| 360.0 | 8.64 | 8.39 | 8.22 | 8.14 | 7.89 | 7.80 | 7.72 | 7.64 | 7.55 |

| C/γ(°) | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 7.55 | 7.47 | 7.38 | 7.38 | 7.30 | 7.30 | 7.30 | 7.22 | 7.30 |
| 45.0 | 7.55 | 7.47 | 7.38 | 7.30 | 7.30 | 7.22 | 7.22 | 7.22 | 7.13 |
| 90.0 | 7.38 | 7.38 | 7.30 | 7.30 | 7.22 | 7.30 | 7.13 | 7.22 | 7.13 |
| 135.0 | 7.72 | 7.72 | 7.55 | 7.47 | 7.47 | 7.38 | 7.30 | 7.30 | 7.30 |
| 180.0 | 7.47 | 7.47 | 7.38 | 7.30 | 7.30 | 7.30 | 7.30 | 7.22 | 7.22 |
| 225.0 | 7.38 | 7.30 | 7.30 | 7.30 | 7.13 | 7.22 | 7.13 | 7.13 | 7.13 |
| 270.0 | 7.47 | 7.38 | 7.30 | 7.30 | 7.30 | 7.22 | 7.22 | 7.22 | 7.13 |
| 315.0 | 7.55 | 7.47 | 7.47 | 7.38 | 7.38 | 7.30 | 7.30 | 7.22 | 7.22 |
| 360.0 | 7.55 | 7.47 | 7.38 | 7.38 | 7.30 | 7.30 | 7.30 | 7.22 | 7.30 |

| C/γ(°) | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 7.22 | 7.22 | 7.22 | 7.13 | 7.13 | 7.13 | 7.13 | 7.13 | 7.05 |
| 45.0 | 7.13 | 7.13 | 7.13 | 7.13 | 7.13 | 7.05 | 7.05 | 7.05 | 7.05 |
| 90.0 | 7.05 | 7.13 | 7.13 | 7.13 | 7.05 | 7.05 | 7.05 | 7.05 | 6.96 |
| 135.0 | 7.30 | 7.22 | 7.22 | 7.22 | 7.22 | 7.13 | 7.13 | 7.13 | 7.13 |
| 180.0 | 7.22 | 7.22 | 7.13 | 7.13 | 7.13 | 7.13 | 7.05 | 7.05 | 7.05 |
| 225.0 | 7.13 | 7.13 | 7.05 | 7.13 | 7.05 | 7.05 | 7.05 | 7.05 | 7.05 |
| 270.0 | 7.13 | 7.13 | 7.13 | 7.13 | 7.05 | 7.05 | 7.13 | 7.05 | 7.05 |
| 315.0 | 7.22 | 7.13 | 7.22 | 7.13 | 7.13 | 7.13 | 7.05 | 7.05 | 7.05 |
| 360.0 | 7.22 | 7.22 | 7.22 | 7.13 | 7.13 | 7.13 | 7.13 | 7.13 | 7.05 |

| C/γ(°) | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 7.05 | 7.05 | 7.05 | 7.05 | 6.96 | 7.05 | 7.05 | 7.05 | 6.96 |
| 45.0 | 6.96 | 7.05 | 7.05 | 7.05 | 6.96 | 6.96 | 6.88 | 6.88 | 6.88 |
| 90.0 | 7.05 | 7.05 | 7.05 | 6.96 | 6.88 | 6.88 | 6.88 | 6.88 | 6.88 |
| 135.0 | 7.05 | 7.13 | 7.05 | 7.13 | 7.05 | 6.88 | 6.88 | 6.96 | 6.88 |
| 180.0 | 7.05 | 7.05 | 6.96 | 7.05 | 6.96 | 6.96 | 6.96 | 6.96 | 6.96 |
| 225.0 | 7.05 | 7.05 | 7.05 | 6.96 | 6.96 | 6.96 | 6.96 | 6.88 | 6.96 |
| 270.0 | 6.88 | 7.05 | 6.96 | 6.88 | 6.96 | 6.96 | 6.88 | 6.88 | 6.88 |
| 315.0 | 7.05 | 6.96 | 6.96 | 6.88 | 6.88 | 6.96 | 6.88 | 6.88 | 6.88 |
| 360.0 | 7.05 | 7.05 | 7.05 | 7.05 | 6.96 | 7.05 | 7.05 | 7.05 | 6.96 |

## Intensity data(cd)



| C/γ(°) | 90.0 |
|---|---|
| 0.0 | 6.96 |
| 45.0 | 6.88 |
| 90.0 | 6.88 |
| 135.0 | 6.88 |
| 180.0 | 6.88 |
| 225.0 | 6.96 |
| 270.0 | 6.88 |
| 315.0 | 6.88 |
| 360.0 | 6.96 |