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Nata

| | |
|-----------------------------------|---------------------|
| LumCAT: 1-1005-M | |
| Luminaire: BJB 47.360.1020 | |
| Report No: 210720-B005 | Voltage(V): 36.1500 |
| Test No: 210720-C005 | Current(A): 0.5110 |
| LampCAT: Fortimo LED SLM 1204 G7N | Power (W): 18.4720 |
| Lamp flux(lm): 2455.6 | PF: 0.0000 |
| Number of Lamps: 1 | Ballast type: DC |
| Length(mm): 570 | Width(mm): 45 |
| Phm Type: C | Height(mm): 20 |

Photometric Results

Lumens(lm): 1798.13
Efficiency(%): 73.23%
Lumens(lm)/Power(W): 97.34
Central intensity(cd): 11034.700
Maximum intensity(cd): 11034.700
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=20.6
 [C90/270]Total=20.6
Field angle(10%Imax): [C0/180]Total=41.0
 [C90/270]Total=41.0
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.37 C90_270=0.37
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 73.23%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.540%

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0 | 11034.703 | 0.000 | 0 | .000% | .000% |
| 1.0 | 10978.172 | 10.533 | 10.533 | .429% | .586% |
| 2.0 | 10779.258 | 31.228 | 41.761 | 1.272% | 2.322% |
| 3.0 | 10453.711 | 50.782 | 92.543 | 2.068% | 5.147% |
| 4.0 | 10021.992 | 68.539 | 161.082 | 2.791% | 8.958% |
| 5.0 | 9434.320 | 83.700 | 244.782 | 3.409% | 13.613% |
| 6.0 | 8711.156 | 95.359 | 340.141 | 3.883% | 18.916% |
| 7.0 | 7976.672 | 103.581 | 443.723 | 4.218% | 24.677% |
| 8.0 | 7250.766 | 108.980 | 552.702 | 4.438% | 30.738% |
| 9.0 | 6456.797 | 111.092 | 663.795 | 4.524% | 36.916% |
| 10.0 | 5714.719 | 110.148 | 773.942 | 4.486% | 43.042% |
| 11.0 | 5064.609 | 107.708 | 881.65 | 4.386% | 49.032% |
| 12.0 | 4445.086 | 103.955 | 985.605 | 4.233% | 54.813% |
| 13.0 | 3846.727 | 98.403 | 1084.008 | 4.007% | 60.285% |
| 14.0 | 3341.320 | 92.006 | 1176.014 | 3.747% | 65.402% |
| 15.0 | 2887.875 | 85.517 | 1261.531 | 3.483% | 70.158% |
| 16.0 | 2487.094 | 78.758 | 1340.289 | 3.207% | 74.538% |
| 17.0 | 2120.203 | 71.748 | 1412.037 | 2.922% | 78.528% |
| 18.0 | 1790.086 | 64.472 | 1476.51 | 2.626% | 82.114% |
| 19.0 | 1487.187 | 57.018 | 1533.528 | 2.322% | 85.285% |
| 20.0 | 1222.193 | 49.589 | 1583.117 | 2.019% | 88.043% |
| 21.0 | 972.696 | 42.146 | 1625.263 | 1.716% | 90.387% |
| 22.0 | 772.812 | 35.077 | 1660.34 | 1.428% | 92.337% |
| 23.0 | 569.798 | 28.172 | 1688.511 | 1.147% | 93.904% |
| 24.0 | 396.584 | 21.129 | 1709.64 | .860% | 95.079% |
| 25.0 | 270.014 | 15.157 | 1724.797 | .617% | 95.922% |
| 26.0 | 155.510 | 10.045 | 1734.841 | .409% | 96.481% |
| 27.0 | 82.104 | 5.813 | 1740.655 | .237% | 96.804% |
| 28.0 | 45.380 | 3.228 | 1743.882 | .131% | 96.983% |
| 29.0 | 29.939 | 1.971 | 1745.853 | .080% | 97.093% |
| 30.0 | 21.586 | 1.391 | 1747.244 | .057% | 97.170% |
| 31.0 | 17.845 | 1.097 | 1748.341 | .045% | 97.231% |
| 32.0 | 16.130 | 0.973 | 1749.315 | .040% | 97.285% |
| 33.0 | 14.984 | 0.917 | 1750.231 | .037% | 97.336% |
| 34.0 | 14.098 | 0.880 | 1751.111 | .036% | 97.385% |
| 35.0 | 13.310 | 0.851 | 1751.963 | .035% | 97.433% |
| 36.0 | 12.656 | 0.827 | 1752.789 | .034% | 97.479% |
| 37.0 | 12.143 | 0.809 | 1753.598 | .033% | 97.524% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0 | 11.686 | 0.795 | 1754.394 | .032% | 97.568% |
| 39.0 | 11.285 | 0.784 | 1755.178 | .032% | 97.612% |
| 40.0 | 10.976 | 0.776 | 1755.954 | .032% | 97.655% |
| 41.0 | 10.716 | 0.772 | 1756.726 | .031% | 97.698% |
| 42.0 | 10.463 | 0.769 | 1757.496 | .031% | 97.740% |
| 43.0 | 10.259 | 0.768 | 1758.263 | .031% | 97.783% |
| 44.0 | 10.090 | 0.768 | 1759.031 | .031% | 97.826% |
| 45.0 | 9.942 | 0.770 | 1759.801 | .031% | 97.869% |
| 46.0 | 9.816 | 0.773 | 1760.574 | .031% | 97.912% |
| 47.0 | 9.696 | 0.776 | 1761.35 | .032% | 97.955% |
| 48.0 | 9.598 | 0.780 | 1762.13 | .032% | 97.998% |
| 49.0 | 9.520 | 0.785 | 1762.915 | .032% | 98.042% |
| 50.0 | 9.422 | 0.790 | 1763.705 | .032% | 98.086% |
| 51.0 | 9.338 | 0.794 | 1764.498 | .032% | 98.130% |
| 52.0 | 9.260 | 0.798 | 1765.297 | .032% | 98.174% |
| 53.0 | 9.211 | 0.803 | 1766.1 | .033% | 98.219% |
| 54.0 | 9.148 | 0.809 | 1766.909 | .033% | 98.264% |
| 55.0 | 9.098 | 0.814 | 1767.724 | .033% | 98.309% |
| 56.0 | 9.042 | 0.820 | 1768.543 | .033% | 98.355% |
| 57.0 | 9.000 | 0.825 | 1769.368 | .034% | 98.401% |
| 58.0 | 8.944 | 0.830 | 1770.198 | .034% | 98.447% |
| 59.0 | 8.909 | 0.835 | 1771.033 | .034% | 98.493% |
| 60.0 | 8.866 | 0.840 | 1771.872 | .034% | 98.540% |
| 61.0 | 8.831 | 0.845 | 1772.717 | .034% | 98.587% |
| 62.0 | 8.803 | 0.850 | 1773.567 | .035% | 98.634% |
| 63.0 | 8.775 | 0.855 | 1774.422 | .035% | 98.682% |
| 64.0 | 8.747 | 0.860 | 1775.281 | .035% | 98.730% |
| 65.0 | 8.726 | 0.865 | 1776.146 | .035% | 98.778% |
| 66.0 | 8.691 | 0.869 | 1777.015 | .035% | 98.826% |
| 67.0 | 8.677 | 0.873 | 1777.888 | .036% | 98.875% |
| 68.0 | 8.641 | 0.877 | 1778.766 | .036% | 98.923% |
| 69.0 | 8.620 | 0.881 | 1779.646 | .036% | 98.972% |
| 70.0 | 8.613 | 0.885 | 1780.531 | .036% | 99.022% |
| 71.0 | 8.592 | 0.889 | 1781.421 | .036% | 99.071% |
| 72.0 | 8.578 | 0.893 | 1782.313 | .036% | 99.121% |
| 73.0 | 8.543 | 0.895 | 1783.209 | .036% | 99.170% |
| 74.0 | 8.515 | 0.897 | 1784.106 | .037% | 99.220% |
| 75.0 | 8.494 | 0.899 | 1785.004 | .037% | 99.270% |

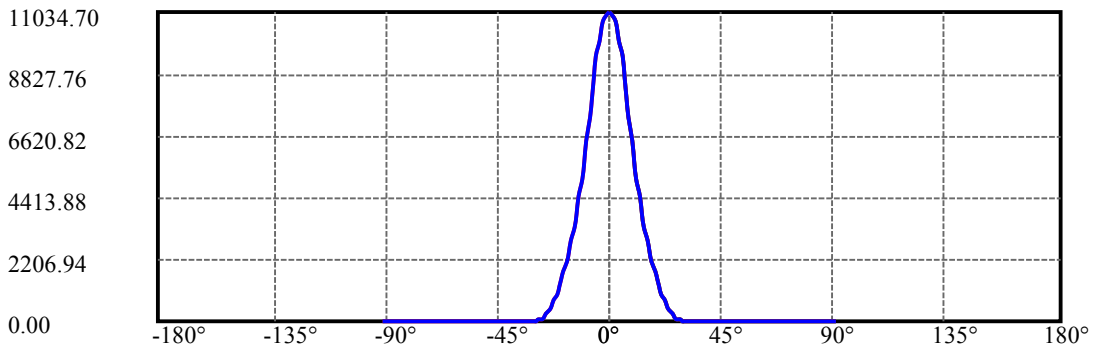
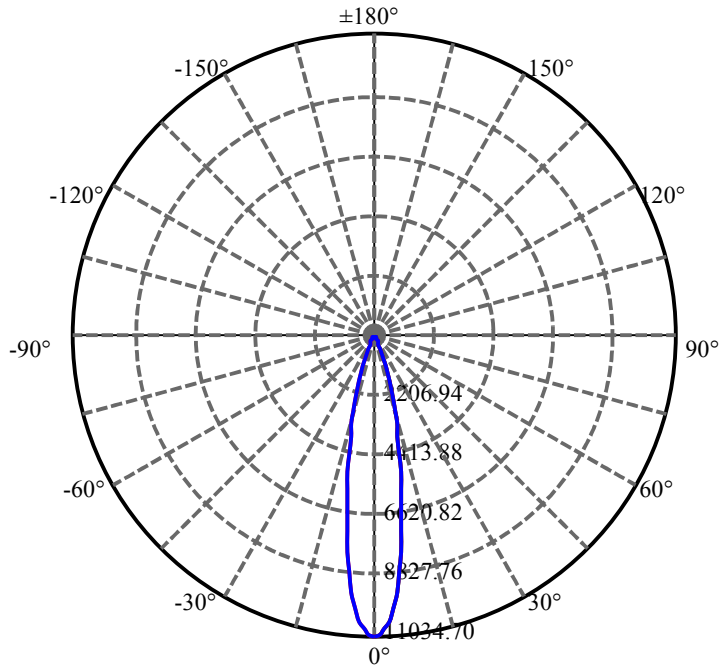
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0 | 8.480 | 0.901 | 1785.905 | .037% | 99.320% |
| 77.0 | 8.409 | 0.900 | 1786.806 | .037% | 99.370% |
| 78.0 | 8.353 | 0.897 | 1787.703 | .037% | 99.420% |
| 79.0 | 8.269 | 0.893 | 1788.596 | .036% | 99.470% |
| 80.0 | 8.198 | 0.888 | 1789.484 | .036% | 99.519% |
| 81.0 | 8.128 | 0.883 | 1790.367 | .036% | 99.569% |
| 82.0 | 8.030 | 0.876 | 1791.243 | .036% | 99.617% |
| 83.0 | 7.966 | 0.870 | 1792.113 | .035% | 99.666% |
| 84.0 | 7.938 | 0.866 | 1792.979 | .035% | 99.714% |
| 85.0 | 7.903 | 0.865 | 1793.844 | .035% | 99.762% |
| 86.0 | 7.868 | 0.862 | 1794.706 | .035% | 99.810% |
| 87.0 | 7.819 | 0.859 | 1795.564 | .035% | 99.858% |
| 88.0 | 7.791 | 0.855 | 1796.419 | .035% | 99.905% |
| 89.0 | 7.777 | 0.853 | 1797.272 | .035% | 99.953% |
| 90.0 | 7.777 | 0.853 | 1798.125 | .035% | 100.000% |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|--------|---------|
| 0-30 | 1747.24 | 71.15% | 97.17% |
| 0-40 | 1755.95 | 71.51% | 97.65% |
| 0-60 | 1771.87 | 72.16% | 98.54% |
| 0-90 | 1797.27 | 73.19% | 99.95% |
| 0-120 | 1797.27 | 73.19% | 99.95% |
| 0-180 | 1798.13 | 73.23% | 100.00% |
| 60-90 | 26.24 | 1.07% | 1.46% |
| 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% |
| 0-17.41 | 1438.50 | 58.58% | 80.00% |

ZONAL LUMEN SUMMARY

| | |
|---------|--------|
| 0-10 | 773.94 |
| 10-20 | 809.17 |
| 20-30 | 164.13 |
| 30-40 | 8.71 |
| 40-50 | 7.75 |
| 50-60 | 8.17 |
| 60-70 | 8.66 |
| 70-80 | 8.95 |
| 80-90 | 7.79 |
| 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: —————

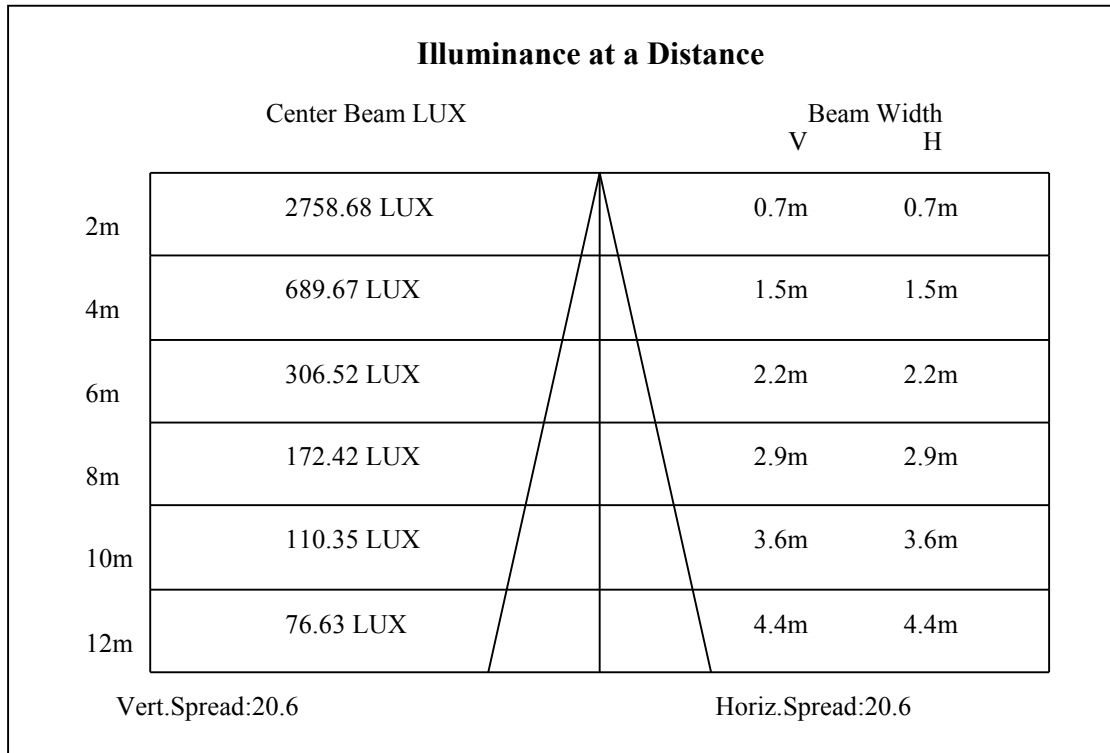
C90/C270: —————

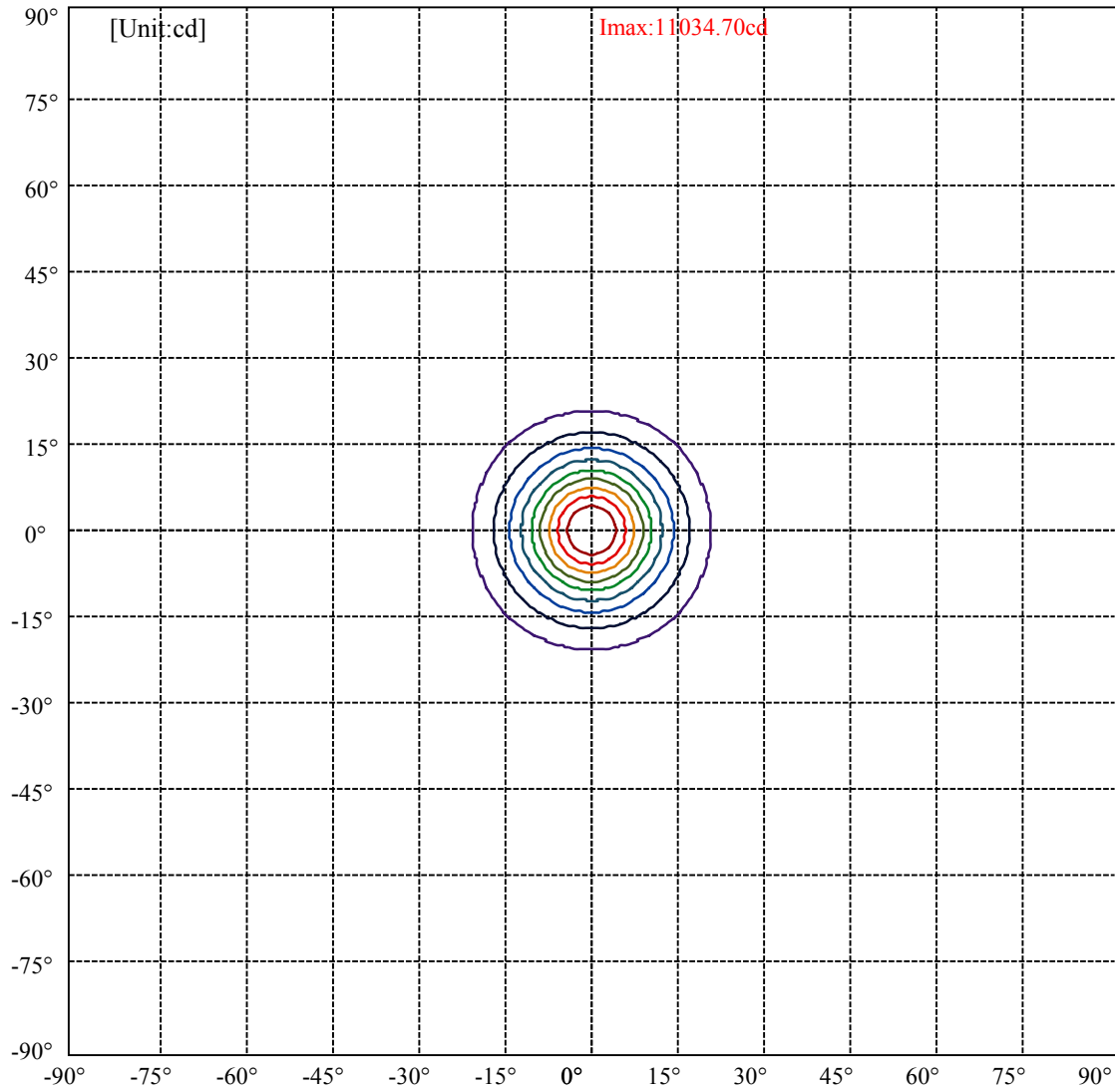
Field angle(10%Imax):C0/180Left:20.5 Right:20.5

:C90/270Left:20.5 Right:20.5

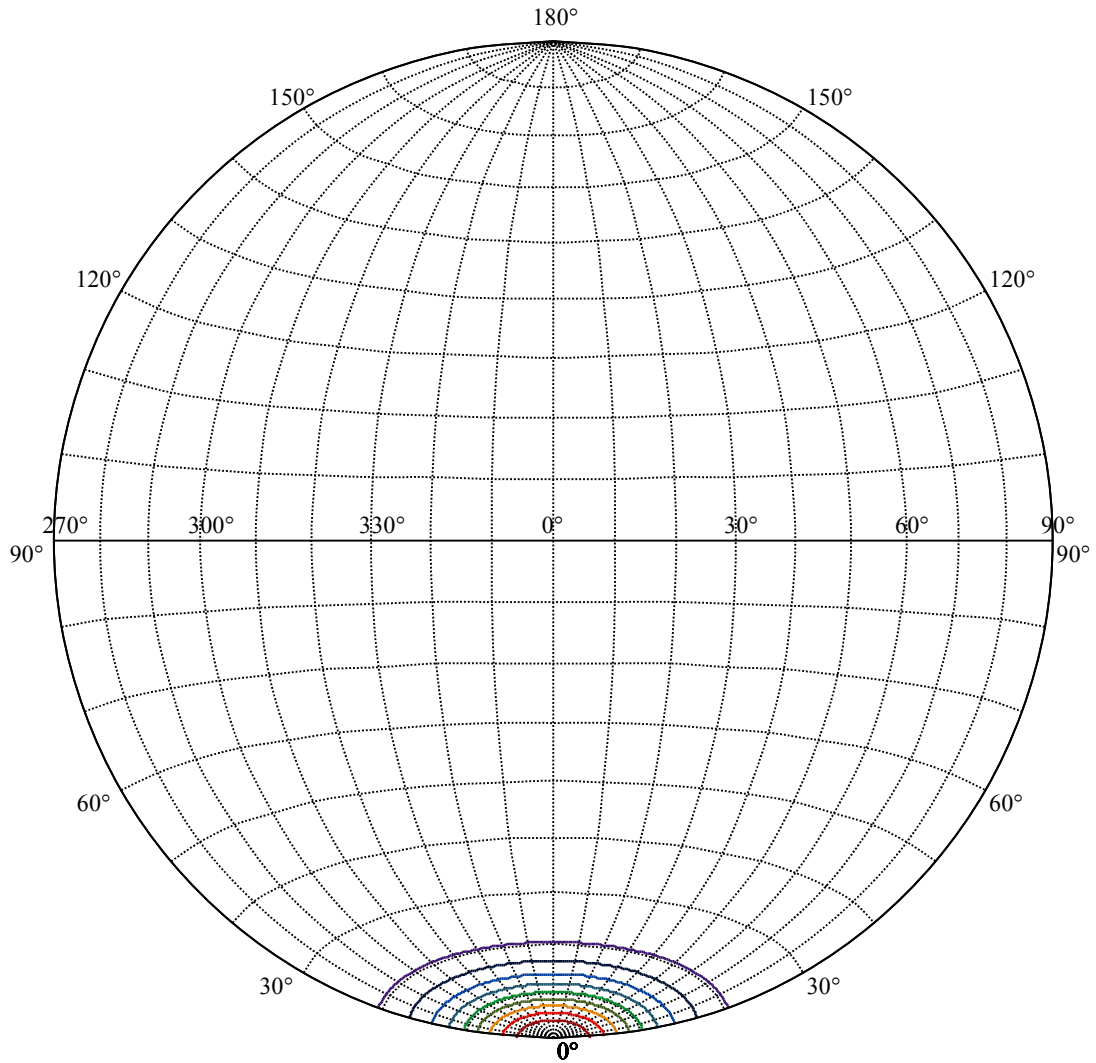
Beam Angle(50%Imax):C0/180Left:10.3 Right:10.3

:C90/270Left:10.3 Right:10.3





| | |
|-------------------|---|
| (10%Imax) 1103.47 | — |
| (20%Imax) 2206.94 | — |
| (30%Imax) 3310.41 | — |
| (40%Imax) 4413.88 | — |
| (50%Imax) 5517.35 | — |
| (60%Imax) 6620.82 | — |
| (70%Imax) 7724.29 | — |
| (80%Imax) 8827.76 | — |
| (90%Imax) 9931.23 | — |



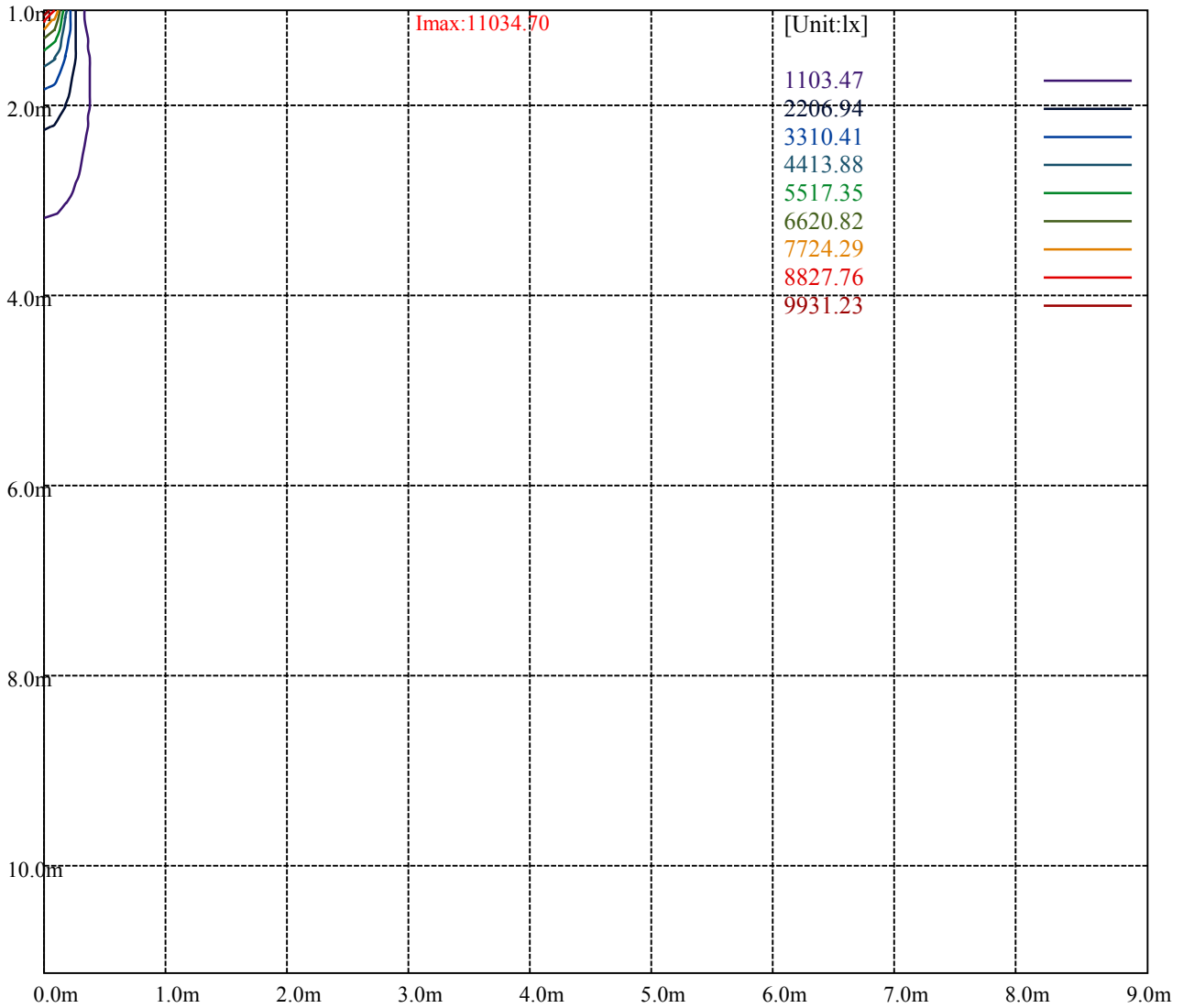
House

[Unit:cd]

Road

Imax:11034.70

| | | |
|-----------|---------|---|
| (10%Imax) | 1103.47 | — |
| (20%Imax) | 2206.94 | — |
| (30%Imax) | 3310.41 | — |
| (40%Imax) | 4413.88 | — |
| (50%Imax) | 5517.35 | — |
| (60%Imax) | 6620.82 | — |
| (70%Imax) | 7724.29 | — |
| (80%Imax) | 8827.76 | — |
| (90%Imax) | 9931.23 | — |



Luminance Table

| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|-----|-----|-----|-----|-----|-----|------|------|------|
| C0 | 379 | 374 | 378 | 391 | 412 | 442 | 481 | 523 | 581 |
| C45 | 409 | 407 | 417 | 436 | 466 | 508 | 565 | 630 | 725 |
| C90 | 530 | 549 | 589 | 652 | 749 | 895 | 1131 | 1535 | 2523 |

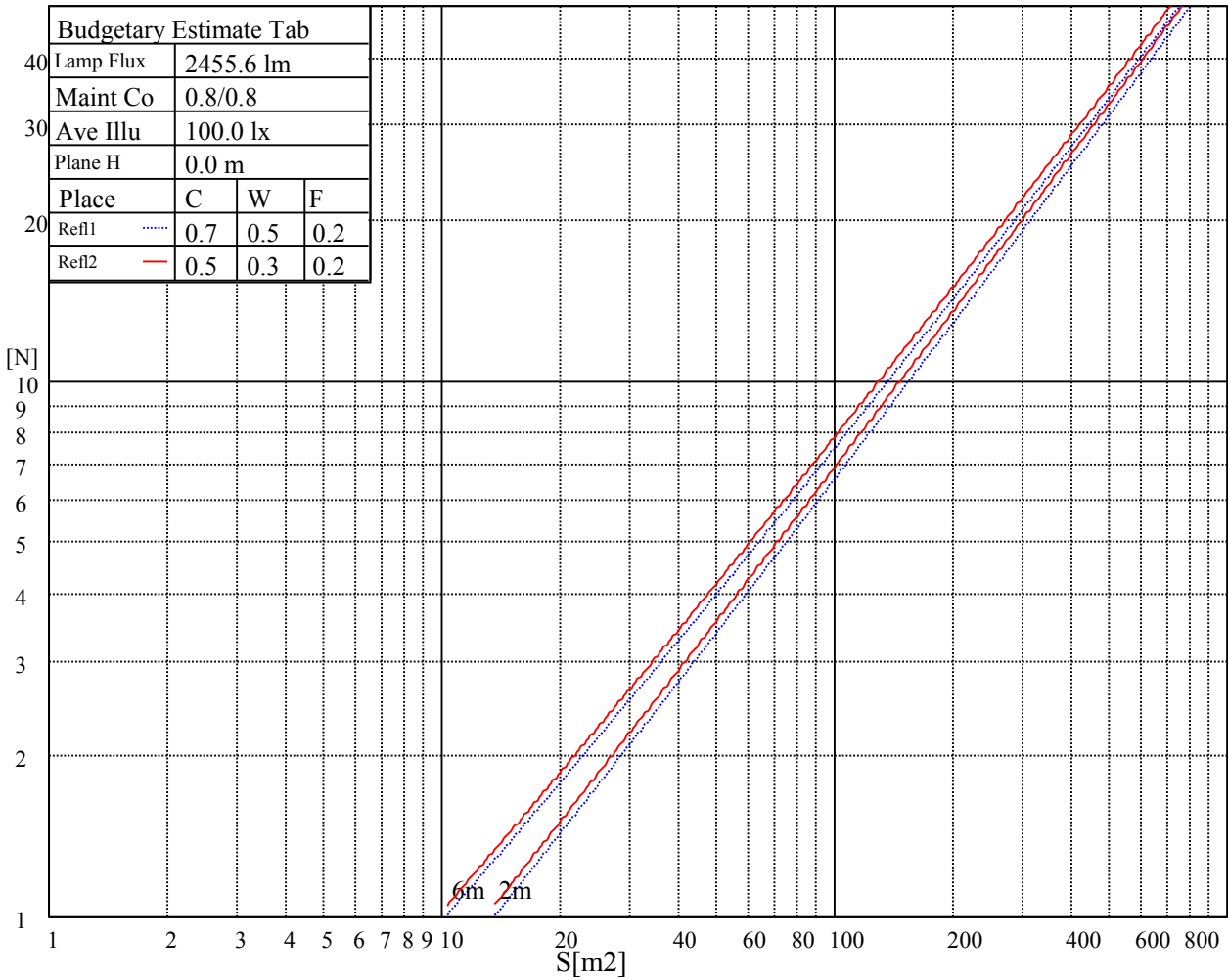
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 805 | 805 | 805 | 1279 | 1279 | 1279 | 3535 | 3535 | 3535 |

Glare Table

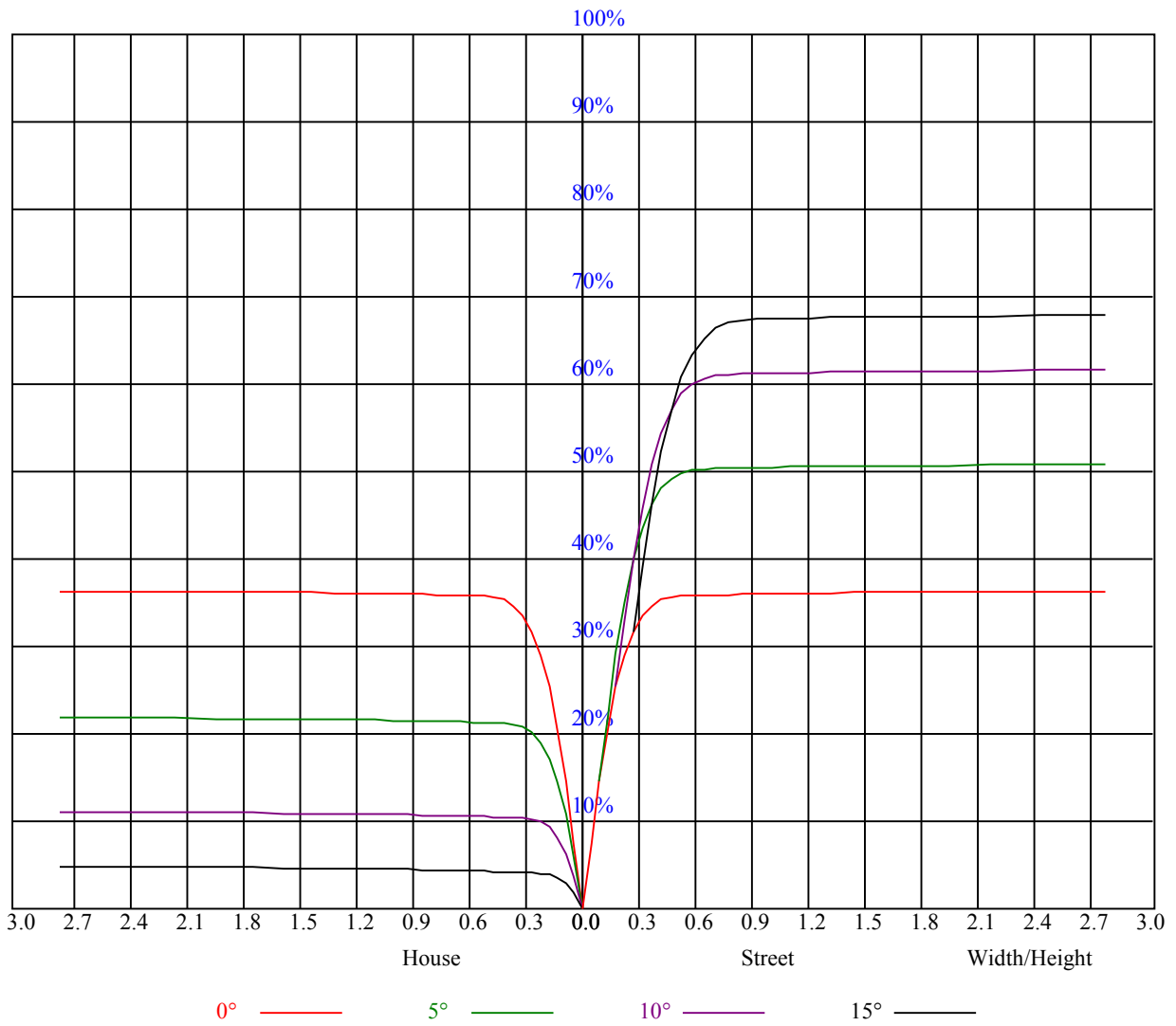
| Glare | Quality | Service Values Illuminance(lx) | | | | | | | |
|-------|---------|--------------------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 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





| 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 RHOFC=20 CU | | | | | | | | | | | | | | | |
| 0 | 0.87 | 0.87 | 0.87 | 0.85 | 0.85 | 0.85 | 0.81 | 0.81 | 0.81 | 0.78 | 0.78 | 0.78 | 0.75 | 0.75 | 0.75 | 0.73 |
| 1 | 0.83 | 0.81 | 0.80 | 0.81 | 0.80 | 0.79 | 0.78 | 0.77 | 0.76 | 0.76 | 0.75 | 0.74 | 0.73 | 0.72 | 0.72 | 0.71 |
| 2 | 0.79 | 0.77 | 0.75 | 0.78 | 0.76 | 0.74 | 0.76 | 0.74 | 0.73 | 0.73 | 0.72 | 0.71 | 0.72 | 0.71 | 0.70 | 0.69 |
| 3 | 0.76 | 0.73 | 0.71 | 0.75 | 0.73 | 0.71 | 0.73 | 0.71 | 0.70 | 0.72 | 0.70 | 0.69 | 0.70 | 0.69 | 0.68 | 0.67 |
| 4 | 0.73 | 0.71 | 0.69 | 0.73 | 0.70 | 0.68 | 0.71 | 0.69 | 0.67 | 0.70 | 0.68 | 0.67 | 0.69 | 0.67 | 0.66 | 0.65 |
| 5 | 0.71 | 0.68 | 0.66 | 0.70 | 0.68 | 0.66 | 0.69 | 0.67 | 0.65 | 0.68 | 0.66 | 0.65 | 0.67 | 0.66 | 0.64 | 0.64 |
| 6 | 0.69 | 0.66 | 0.64 | 0.69 | 0.66 | 0.64 | 0.68 | 0.65 | 0.64 | 0.67 | 0.65 | 0.63 | 0.66 | 0.64 | 0.63 | 0.62 |
| 7 | 0.67 | 0.64 | 0.62 | 0.67 | 0.64 | 0.62 | 0.66 | 0.64 | 0.62 | 0.65 | 0.63 | 0.62 | 0.65 | 0.63 | 0.61 | 0.61 |
| 8 | 0.65 | 0.63 | 0.61 | 0.65 | 0.63 | 0.61 | 0.64 | 0.62 | 0.60 | 0.64 | 0.62 | 0.60 | 0.63 | 0.61 | 0.60 | 0.59 |
| 9 | 0.64 | 0.61 | 0.59 | 0.64 | 0.61 | 0.59 | 0.63 | 0.61 | 0.59 | 0.63 | 0.60 | 0.59 | 0.62 | 0.60 | 0.59 | 0.58 |
| 10 | 0.62 | 0.60 | 0.58 | 0.62 | 0.60 | 0.58 | 0.62 | 0.59 | 0.58 | 0.61 | 0.59 | 0.58 | 0.61 | 0.59 | 0.58 | 0.57 |



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 | 11021.63 | 11097.00 | 11112.75 | 11001.38 | 10756.13 | 10261.13 | 9702.56 | 9051.19 | 8255.25 |
| 45.0 | 11082.38 | 10966.50 | 10713.94 | 10299.38 | 9770.06 | 9055.69 | 8247.38 | 7489.69 | 6765.19 |
| 90.0 | 10981.13 | 10702.69 | 10263.94 | 9705.94 | 9054.56 | 8259.75 | 7415.44 | 6585.75 | 5895.56 |
| 135.0 | 11053.69 | 10877.06 | 10434.38 | 9920.81 | 9309.94 | 8632.69 | 7709.06 | 6974.44 | 6281.44 |
| 180.0 | 11021.63 | 10815.75 | 10406.25 | 9828.00 | 9220.50 | 8448.75 | 7707.38 | 6870.94 | 6082.31 |
| 225.0 | 11082.38 | 11097.56 | 11007.00 | 10752.75 | 10352.81 | 9827.44 | 9208.69 | 8358.19 | 7628.06 |
| 270.0 | 10981.13 | 11110.50 | 11149.88 | 11090.81 | 10895.63 | 10612.69 | 9949.50 | 9354.94 | 8773.88 |
| 315.0 | 11053.69 | 11158.31 | 11145.94 | 11030.63 | 10816.31 | 10376.44 | 9749.25 | 9128.25 | 8324.44 |
| 360.0 | 11021.63 | 11097.00 | 11112.75 | 11001.38 | 10756.13 | 10261.13 | 9702.56 | 9051.19 | 8255.25 |
| C/γ(°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
| 0.0 | 7419.38 | 6683.06 | 5907.38 | 5265.00 | 4579.88 | 3950.44 | 3446.44 | 2951.44 | 2507.06 |
| 45.0 | 5913.00 | 5255.44 | 4658.06 | 4050.56 | 3506.06 | 3079.69 | 2656.13 | 2277.56 | 1977.75 |
| 90.0 | 5258.81 | 4534.88 | 4015.69 | 3548.25 | 3081.94 | 2667.94 | 2332.69 | 2034.00 | 1697.63 |
| 135.0 | 5464.69 | 4858.31 | 4295.25 | 3731.63 | 3235.50 | 2837.25 | 2444.06 | 2127.38 | 1819.69 |
| 180.0 | 5428.69 | 4746.38 | 4129.31 | 3636.56 | 3197.81 | 2703.38 | 2355.75 | 2042.44 | 1725.19 |
| 225.0 | 6881.63 | 5986.13 | 5330.81 | 4700.25 | 3989.25 | 3483.00 | 3040.88 | 2548.69 | 2239.88 |
| 270.0 | 7738.88 | 6963.75 | 6307.88 | 5430.38 | 4697.44 | 4172.06 | 3494.25 | 3032.44 | 2612.25 |
| 315.0 | 7549.31 | 6689.81 | 5872.50 | 5198.06 | 4485.94 | 3836.81 | 3332.81 | 2882.81 | 2382.19 |
| 360.0 | 7419.38 | 6683.06 | 5907.38 | 5265.00 | 4579.88 | 3950.44 | 3446.44 | 2951.44 | 2507.06 |
| C/γ(°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
| 0.0 | 2161.69 | 1861.31 | 1527.75 | 1284.75 | 1052.44 | 785.81 | 590.63 | 419.63 | 289.69 |
| 45.0 | 1676.81 | 1423.69 | 1152.00 | 897.19 | 694.69 | 508.50 | 313.88 | 295.88 | 94.28 |
| 90.0 | 1440.00 | 1101.21 | 933.53 | 700.88 | 516.09 | 336.32 | 195.98 | 108.79 | 49.50 |
| 135.0 | 1524.38 | 1275.75 | 1019.25 | 780.19 | 586.13 | 437.06 | 291.94 | 139.33 | 73.58 |
| 180.0 | 1431.00 | 1100.48 | 904.89 | 701.21 | 520.09 | 327.94 | 222.98 | 125.10 | 61.54 |
| 225.0 | 1891.13 | 1549.69 | 1238.63 | 1068.53 | 853.43 | 635.34 | 464.85 | 300.88 | 172.74 |
| 270.0 | 2156.06 | 1844.44 | 1564.31 | 1246.50 | 1022.63 | 816.75 | 584.44 | 417.38 | 291.38 |
| 315.0 | 2039.63 | 1740.94 | 1437.19 | 1102.33 | 937.01 | 710.66 | 507.99 | 353.14 | 211.39 |
| 360.0 | 2161.69 | 1861.31 | 1527.75 | 1284.75 | 1052.44 | 785.81 | 590.63 | 419.63 | 289.69 |
| C/γ(°) | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 |
| 0.0 | 139.39 | 72.79 | 43.54 | 25.99 | 19.97 | 18.23 | 16.43 | 15.19 | 14.34 |
| 45.0 | 40.78 | 25.37 | 19.52 | 16.88 | 15.36 | 14.40 | 13.56 | 12.77 | 12.26 |
| 90.0 | 28.24 | 19.86 | 17.16 | 15.81 | 14.79 | 13.73 | 13.05 | 12.49 | 11.93 |
| 135.0 | 37.69 | 22.11 | 17.89 | 16.03 | 14.74 | 13.84 | 13.11 | 12.54 | 11.98 |
| 180.0 | 39.43 | 23.06 | 17.33 | 16.03 | 14.91 | 13.78 | 13.16 | 12.60 | 12.04 |
| 225.0 | 97.76 | 55.97 | 34.88 | 22.84 | 19.46 | 17.33 | 16.09 | 15.08 | 14.06 |
| 270.0 | 153.17 | 80.16 | 49.67 | 32.12 | 22.61 | 19.69 | 17.83 | 16.59 | 15.47 |
| 315.0 | 120.38 | 63.73 | 39.54 | 27.00 | 20.93 | 18.06 | 16.65 | 15.53 | 14.40 |
| 360.0 | 139.39 | 72.79 | 43.54 | 25.99 | 19.97 | 18.23 | 16.43 | 15.19 | 14.34 |
| C/γ(°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
| 0.0 | 13.44 | 12.83 | 12.21 | 11.76 | 11.31 | 11.03 | 10.69 | 10.41 | 10.24 |
| 45.0 | 11.76 | 11.31 | 10.91 | 10.63 | 10.35 | 10.18 | 9.96 | 9.84 | 9.68 |
| 90.0 | 11.53 | 11.19 | 10.86 | 10.58 | 10.41 | 10.24 | 10.07 | 9.90 | 9.79 |
| 135.0 | 11.53 | 11.19 | 10.91 | 10.58 | 10.35 | 10.24 | 10.01 | 9.90 | 9.79 |
| 180.0 | 11.59 | 11.19 | 10.91 | 10.63 | 10.41 | 10.18 | 10.01 | 9.84 | 9.68 |
| 225.0 | 13.28 | 12.66 | 12.09 | 11.64 | 11.31 | 10.91 | 10.63 | 10.41 | 10.18 |
| 270.0 | 14.51 | 13.78 | 13.16 | 12.49 | 12.04 | 11.70 | 11.31 | 11.03 | 10.86 |
| 315.0 | 13.61 | 12.99 | 12.43 | 11.98 | 11.64 | 11.25 | 11.03 | 10.74 | 10.52 |
| 360.0 | 13.44 | 12.83 | 12.21 | 11.76 | 11.31 | 11.03 | 10.69 | 10.41 | 10.24 |

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 | 10.01 | 9.90 | 9.73 | 9.62 | 9.51 | 9.39 | 9.34 | 9.23 | 9.17 |
| 45.0 | 9.56 | 9.45 | 9.39 | 9.28 | 9.23 | 9.17 | 9.06 | 9.00 | 8.94 |
| 90.0 | 9.68 | 9.56 | 9.45 | 9.39 | 9.34 | 9.28 | 9.23 | 9.17 | 9.17 |
| 135.0 | 9.68 | 9.56 | 9.51 | 9.39 | 9.34 | 9.28 | 9.23 | 9.11 | 9.11 |
| 180.0 | 9.62 | 9.51 | 9.39 | 9.28 | 9.28 | 9.11 | 9.06 | 9.00 | 8.94 |
| 225.0 | 10.01 | 9.90 | 9.73 | 9.68 | 9.56 | 9.45 | 9.34 | 9.28 | 9.23 |
| 270.0 | 10.63 | 10.41 | 10.29 | 10.18 | 10.07 | 9.96 | 9.84 | 9.73 | 9.68 |
| 315.0 | 10.35 | 10.24 | 10.07 | 9.96 | 9.84 | 9.73 | 9.62 | 9.56 | 9.45 |
| 360.0 | 10.01 | 9.90 | 9.73 | 9.62 | 9.51 | 9.39 | 9.34 | 9.23 | 9.17 |
| C/γ(°) | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
| 0.0 | 9.06 | 9.00 | 8.94 | 8.94 | 8.83 | 8.78 | 8.72 | 8.66 | 8.66 |
| 45.0 | 8.94 | 8.89 | 8.83 | 8.78 | 8.72 | 8.66 | 8.66 | 8.61 | 8.61 |
| 90.0 | 9.11 | 9.06 | 9.00 | 9.00 | 9.00 | 8.94 | 8.94 | 8.94 | 8.94 |
| 135.0 | 9.06 | 9.00 | 8.94 | 8.89 | 8.83 | 8.83 | 8.78 | 8.78 | 8.72 |
| 180.0 | 8.89 | 8.83 | 8.78 | 8.72 | 8.66 | 8.66 | 8.61 | 8.55 | 8.55 |
| 225.0 | 9.11 | 9.11 | 9.06 | 9.00 | 8.94 | 8.89 | 8.89 | 8.83 | 8.78 |
| 270.0 | 9.62 | 9.56 | 9.51 | 9.45 | 9.39 | 9.34 | 9.28 | 9.28 | 9.23 |
| 315.0 | 9.39 | 9.34 | 9.28 | 9.23 | 9.17 | 9.11 | 9.06 | 9.00 | 8.94 |
| 360.0 | 9.06 | 9.00 | 8.94 | 8.94 | 8.83 | 8.78 | 8.72 | 8.66 | 8.66 |
| C/γ(°) | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
| 0.0 | 8.61 | 8.55 | 8.55 | 8.49 | 8.49 | 8.44 | 8.44 | 8.44 | 8.38 |
| 45.0 | 8.61 | 8.55 | 8.55 | 8.49 | 8.49 | 8.44 | 8.44 | 8.44 | 8.38 |
| 90.0 | 8.94 | 8.94 | 8.94 | 8.94 | 8.94 | 8.94 | 8.94 | 8.94 | 8.94 |
| 135.0 | 8.66 | 8.66 | 8.61 | 8.55 | 8.61 | 8.49 | 8.49 | 8.44 | 8.44 |
| 180.0 | 8.49 | 8.49 | 8.44 | 8.38 | 8.38 | 8.33 | 8.33 | 8.33 | 8.33 |
| 225.0 | 8.72 | 8.72 | 8.72 | 8.66 | 8.61 | 8.61 | 8.55 | 8.55 | 8.49 |
| 270.0 | 9.23 | 9.17 | 9.17 | 9.17 | 9.11 | 9.17 | 9.11 | 9.11 | 9.11 |
| 315.0 | 8.94 | 8.89 | 8.83 | 8.83 | 8.78 | 8.72 | 8.66 | 8.66 | 8.66 |
| 360.0 | 8.61 | 8.55 | 8.55 | 8.49 | 8.49 | 8.44 | 8.44 | 8.44 | 8.38 |
| C/γ(°) | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
| 0.0 | 8.38 | 8.33 | 8.33 | 8.27 | 8.27 | 8.27 | 8.21 | 8.21 | 8.16 |
| 45.0 | 8.38 | 8.33 | 8.33 | 8.33 | 8.27 | 8.27 | 8.21 | 8.21 | 8.16 |
| 90.0 | 9.00 | 8.94 | 8.89 | 8.89 | 8.89 | 8.55 | 8.33 | 7.99 | 7.88 |
| 135.0 | 8.38 | 8.38 | 8.33 | 8.33 | 8.27 | 8.27 | 8.27 | 8.16 | 8.16 |
| 180.0 | 8.27 | 8.21 | 8.21 | 8.16 | 8.16 | 8.10 | 8.10 | 8.04 | 8.04 |
| 225.0 | 8.49 | 8.44 | 8.38 | 8.38 | 8.38 | 8.33 | 8.33 | 8.27 | 8.21 |
| 270.0 | 9.11 | 9.11 | 9.11 | 9.11 | 9.11 | 9.06 | 9.00 | 8.89 | 8.66 |
| 315.0 | 8.61 | 8.61 | 8.55 | 8.49 | 8.49 | 8.44 | 8.38 | 8.38 | 8.33 |
| 360.0 | 8.38 | 8.33 | 8.33 | 8.27 | 8.27 | 8.27 | 8.21 | 8.21 | 8.16 |
| C/γ(°) | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
| 0.0 | 8.16 | 8.10 | 8.10 | 8.04 | 8.04 | 7.99 | 7.93 | 7.88 | 7.88 |
| 45.0 | 8.04 | 7.99 | 7.88 | 7.93 | 7.82 | 7.76 | 7.71 | 7.71 | 7.71 |
| 90.0 | 7.88 | 7.88 | 7.88 | 7.88 | 7.76 | 7.76 | 7.76 | 7.71 | 7.71 |
| 135.0 | 8.10 | 8.04 | 7.93 | 7.88 | 7.88 | 7.82 | 7.82 | 7.82 | 7.76 |
| 180.0 | 7.99 | 7.99 | 7.93 | 7.93 | 7.93 | 7.88 | 7.88 | 7.88 | 7.88 |
| 225.0 | 8.21 | 8.10 | 7.99 | 7.93 | 7.88 | 7.88 | 7.76 | 7.71 | 7.71 |
| 270.0 | 8.38 | 7.99 | 7.93 | 7.93 | 7.93 | 7.93 | 7.82 | 7.82 | 7.76 |
| 315.0 | 8.27 | 8.16 | 8.10 | 7.99 | 7.99 | 7.93 | 7.88 | 7.82 | 7.82 |
| 360.0 | 8.16 | 8.10 | 8.10 | 8.04 | 8.04 | 7.99 | 7.93 | 7.88 | 7.88 |

Intensity data(cd)

| | |
|---------------|-------------|
| C/γ(°) | 90.0 |
| 0.0 | 7.88 |
| 45.0 | 7.71 |
| 90.0 | 7.71 |
| 135.0 | 7.82 |
| 180.0 | 7.88 |
| 225.0 | 7.71 |
| 270.0 | 7.71 |
| 315.0 | 7.82 |
| 360.0 | 7.88 |