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Nata

LumCAT: LN01D03515DA-N

Luminaire: 97.70.267.00

Report No: 200612-B005

Test No: 200612-C005

LampCAT: LUMINUS CXM-4-AC40

Lamp flux(lm): 606.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.6200

Current(A): 0.1500

Power (W): 5.1900

PF: 0.0000

Ballast type: DC

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 524.41

Efficiency(%): 86.54%

Lumens(lm)/Power(W): 101.04

Central intensity(cd): 5023.125

Maximum intensity(cd): 5023.125

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=15.8

[C90/270]Total=15.8

Field angle(10%Imax): [C0/180]Total=29.4

[C90/270]Total=29.4

Maximum s/h(1/2): C0_180=0.27 C90_270=0.27

Maximum s/h(1/4): C0_180=0.27 C90_270=0.27

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.356%

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0 | 5023.125 | 0.000 | 0 | .000% | .000% |
| 1.0 | 4966.313 | 4.780 | 4.78 | .789% | .911% |
| 2.0 | 4809.234 | 14.031 | 18.811 | 2.315% | 3.587% |
| 3.0 | 4532.625 | 22.343 | 41.153 | 3.687% | 7.847% |
| 4.0 | 4189.078 | 29.194 | 70.348 | 4.818% | 13.415% |
| 5.0 | 3789.000 | 34.321 | 104.669 | 5.664% | 19.959% |
| 6.0 | 3295.547 | 37.231 | 141.9 | 6.144% | 27.059% |
| 7.0 | 2856.938 | 38.188 | 180.088 | 6.302% | 34.341% |
| 8.0 | 2462.625 | 38.071 | 218.159 | 6.282% | 41.601% |
| 9.0 | 2046.094 | 36.541 | 254.7 | 6.030% | 48.569% |
| 10.0 | 1666.125 | 33.594 | 288.294 | 5.544% | 54.975% |
| 11.0 | 1300.781 | 29.645 | 317.94 | 4.892% | 60.628% |
| 12.0 | 1068.314 | 25.898 | 343.837 | 4.274% | 65.566% |
| 13.0 | 801.478 | 22.190 | 366.027 | 3.662% | 69.797% |
| 14.0 | 609.398 | 18.059 | 384.086 | 2.980% | 73.241% |
| 15.0 | 456.398 | 14.632 | 398.718 | 2.414% | 76.031% |
| 16.0 | 344.222 | 11.731 | 410.449 | 1.936% | 78.268% |
| 17.0 | 265.247 | 9.491 | 419.94 | 1.566% | 80.078% |
| 18.0 | 219.178 | 7.987 | 427.928 | 1.318% | 81.601% |
| 19.0 | 169.102 | 6.755 | 434.683 | 1.115% | 82.889% |
| 20.0 | 140.878 | 5.673 | 440.356 | .936% | 83.971% |
| 21.0 | 118.673 | 4.984 | 445.34 | .822% | 84.921% |
| 22.0 | 100.941 | 4.413 | 449.753 | .728% | 85.763% |
| 23.0 | 88.045 | 3.965 | 453.719 | .654% | 86.519% |
| 24.0 | 76.134 | 3.590 | 457.308 | .592% | 87.204% |
| 25.0 | 67.303 | 3.261 | 460.57 | .538% | 87.826% |
| 26.0 | 60.848 | 3.025 | 463.595 | .499% | 88.402% |
| 27.0 | 55.209 | 2.839 | 466.434 | .469% | 88.944% |
| 28.0 | 49.613 | 2.654 | 469.088 | .438% | 89.450% |
| 29.0 | 45.534 | 2.489 | 471.578 | .411% | 89.925% |
| 30.0 | 41.484 | 2.349 | 473.927 | .388% | 90.373% |
| 31.0 | 37.645 | 2.202 | 476.129 | .363% | 90.793% |
| 32.0 | 34.256 | 2.060 | 478.189 | .340% | 91.185% |
| 33.0 | 31.542 | 1.938 | 480.127 | .320% | 91.555% |
| 34.0 | 29.039 | 1.833 | 481.961 | .303% | 91.905% |
| 35.0 | 26.775 | 1.733 | 483.694 | .286% | 92.235% |
| 36.0 | 25.031 | 1.650 | 485.344 | .272% | 92.550% |
| 37.0 | 23.484 | 1.582 | 486.926 | .261% | 92.851% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0 | 22.134 | 1.523 | 488.449 | .251% | 93.142% |
| 39.0 | 20.770 | 1.464 | 489.913 | .242% | 93.421% |
| 40.0 | 19.617 | 1.409 | 491.322 | .232% | 93.690% |
| 41.0 | 18.478 | 1.357 | 492.678 | .224% | 93.948% |
| 42.0 | 17.325 | 1.301 | 493.979 | .215% | 94.196% |
| 43.0 | 16.242 | 1.243 | 495.222 | .205% | 94.433% |
| 44.0 | 15.230 | 1.188 | 496.41 | .196% | 94.660% |
| 45.0 | 14.330 | 1.136 | 497.546 | .187% | 94.877% |
| 46.0 | 13.359 | 1.083 | 498.629 | .179% | 95.083% |
| 47.0 | 12.656 | 1.035 | 499.664 | .171% | 95.280% |
| 48.0 | 12.038 | 0.998 | 500.662 | .165% | 95.471% |
| 49.0 | 11.419 | 0.963 | 501.625 | .159% | 95.654% |
| 50.0 | 10.927 | 0.932 | 502.557 | .154% | 95.832% |
| 51.0 | 10.491 | 0.906 | 503.463 | .150% | 96.005% |
| 52.0 | 10.013 | 0.880 | 504.343 | .145% | 96.173% |
| 53.0 | 9.619 | 0.854 | 505.197 | .141% | 96.335% |
| 54.0 | 9.239 | 0.831 | 506.028 | .137% | 96.494% |
| 55.0 | 8.859 | 0.808 | 506.836 | .133% | 96.648% |
| 56.0 | 8.522 | 0.785 | 507.621 | .130% | 96.798% |
| 57.0 | 8.170 | 0.763 | 508.385 | .126% | 96.943% |
| 58.0 | 7.861 | 0.741 | 509.126 | .122% | 97.085% |
| 59.0 | 7.552 | 0.721 | 509.846 | .119% | 97.222% |
| 60.0 | 7.270 | 0.700 | 510.547 | .116% | 97.356% |
| 61.0 | 7.003 | 0.681 | 511.228 | .112% | 97.486% |
| 62.0 | 6.736 | 0.662 | 511.89 | .109% | 97.612% |
| 63.0 | 6.511 | 0.644 | 512.534 | .106% | 97.735% |
| 64.0 | 6.258 | 0.627 | 513.161 | .103% | 97.854% |
| 65.0 | 6.047 | 0.609 | 513.77 | .100% | 97.970% |
| 66.0 | 5.850 | 0.594 | 514.363 | .098% | 98.083% |
| 67.0 | 5.667 | 0.579 | 514.942 | .096% | 98.194% |
| 68.0 | 5.456 | 0.563 | 515.506 | .093% | 98.301% |
| 69.0 | 5.302 | 0.549 | 516.055 | .091% | 98.406% |
| 70.0 | 5.119 | 0.535 | 516.59 | .088% | 98.508% |
| 71.0 | 4.950 | 0.520 | 517.11 | .086% | 98.607% |
| 72.0 | 4.781 | 0.506 | 517.616 | .083% | 98.704% |
| 73.0 | 4.641 | 0.493 | 518.109 | .081% | 98.798% |
| 74.0 | 4.486 | 0.480 | 518.589 | .079% | 98.889% |
| 75.0 | 4.373 | 0.468 | 519.057 | .077% | 98.978% |

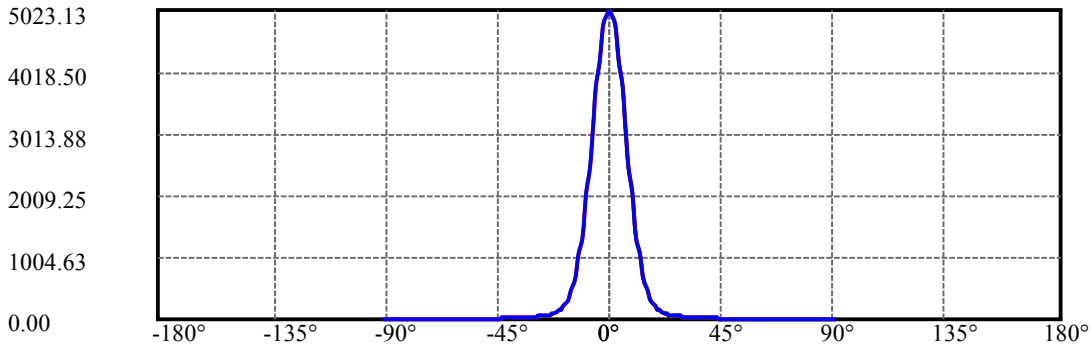
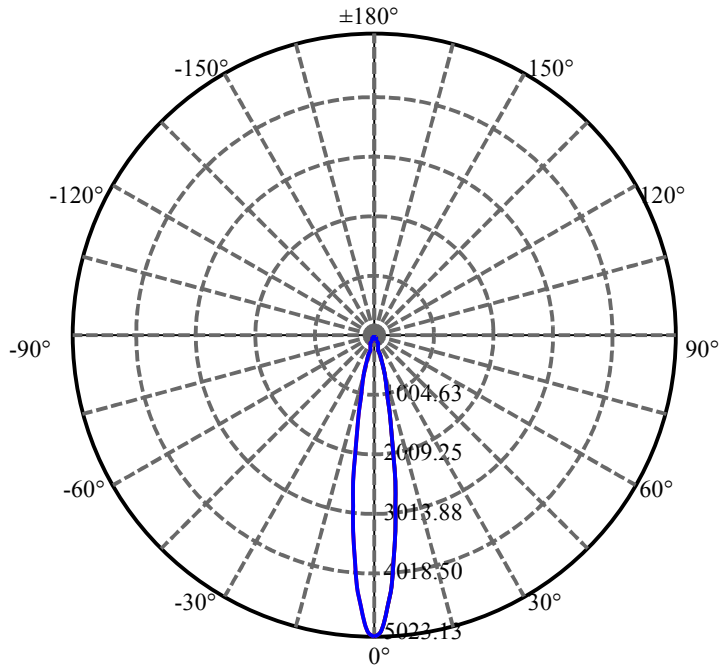
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0 | 4.247 | 0.458 | 519.514 | .076% | 99.066% |
| 77.0 | 4.120 | 0.446 | 519.961 | .074% | 99.151% |
| 78.0 | 4.022 | 0.436 | 520.396 | .072% | 99.234% |
| 79.0 | 3.867 | 0.424 | 520.82 | .070% | 99.315% |
| 80.0 | 3.741 | 0.410 | 521.23 | .068% | 99.393% |
| 81.0 | 3.586 | 0.396 | 521.627 | .065% | 99.468% |
| 82.0 | 3.431 | 0.381 | 522.007 | .063% | 99.541% |
| 83.0 | 3.277 | 0.365 | 522.372 | .060% | 99.611% |
| 84.0 | 3.094 | 0.347 | 522.719 | .057% | 99.677% |
| 85.0 | 2.967 | 0.331 | 523.05 | .055% | 99.740% |
| 86.0 | 2.770 | 0.314 | 523.363 | .052% | 99.800% |
| 87.0 | 2.559 | 0.292 | 523.655 | .048% | 99.855% |
| 88.0 | 2.348 | 0.269 | 523.924 | .044% | 99.907% |
| 89.0 | 2.222 | 0.251 | 524.174 | .041% | 99.954% |
| 90.0 | 2.152 | 0.240 | 524.414 | .040% | 100.000% |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|--------|---------|
| 0-30 | 473.93 | 78.21% | 90.37% |
| 0-40 | 491.32 | 81.08% | 93.69% |
| 0-60 | 510.55 | 84.25% | 97.36% |
| 0-90 | 524.17 | 86.50% | 99.95% |
| 0-120 | 524.17 | 86.50% | 99.95% |
| 0-180 | 524.41 | 86.54% | 100.00% |
| 60-90 | 14.33 | 2.36% | 2.73% |
| 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% |
| 0-16.96 | 419.53 | 69.23% | 80.00% |

ZONAL LUMEN SUMMARY

| | |
|---------|--------|
| 0-10 | 288.29 |
| 10-20 | 152.06 |
| 20-30 | 33.57 |
| 30-40 | 17.39 |
| 40-50 | 11.24 |
| 50-60 | 7.99 |
| 60-70 | 6.04 |
| 70-80 | 4.64 |
| 80-90 | 2.94 |
| 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 |



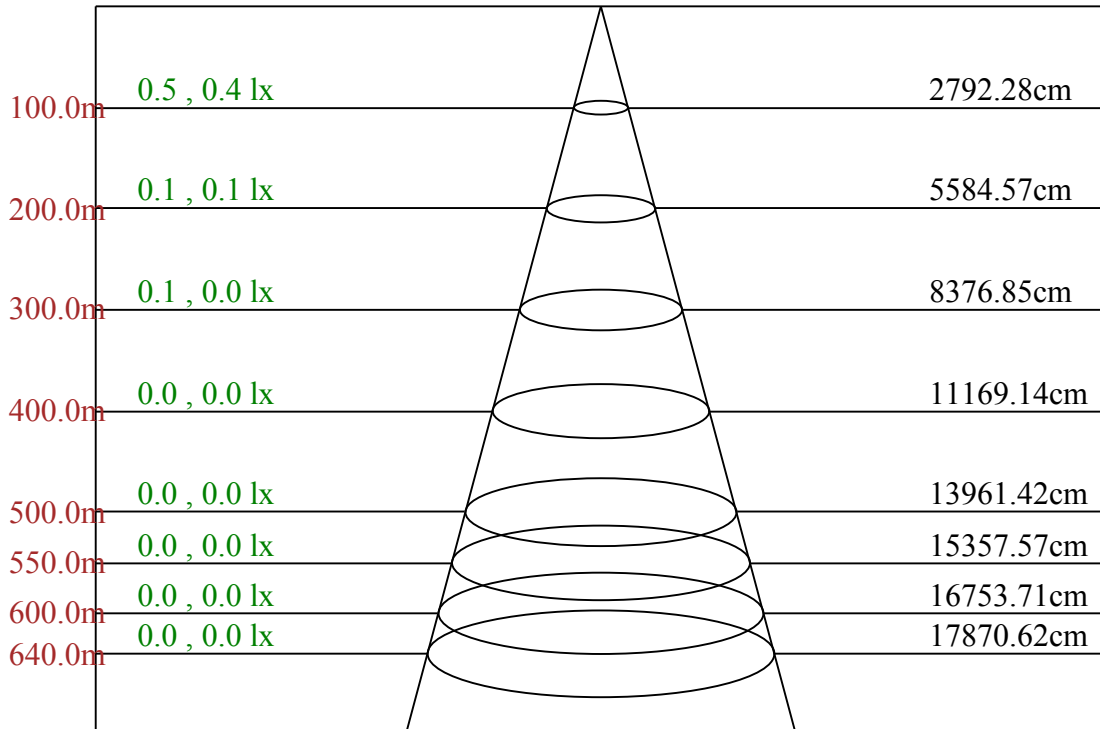
C0(Max): —————

C0/C180: —————

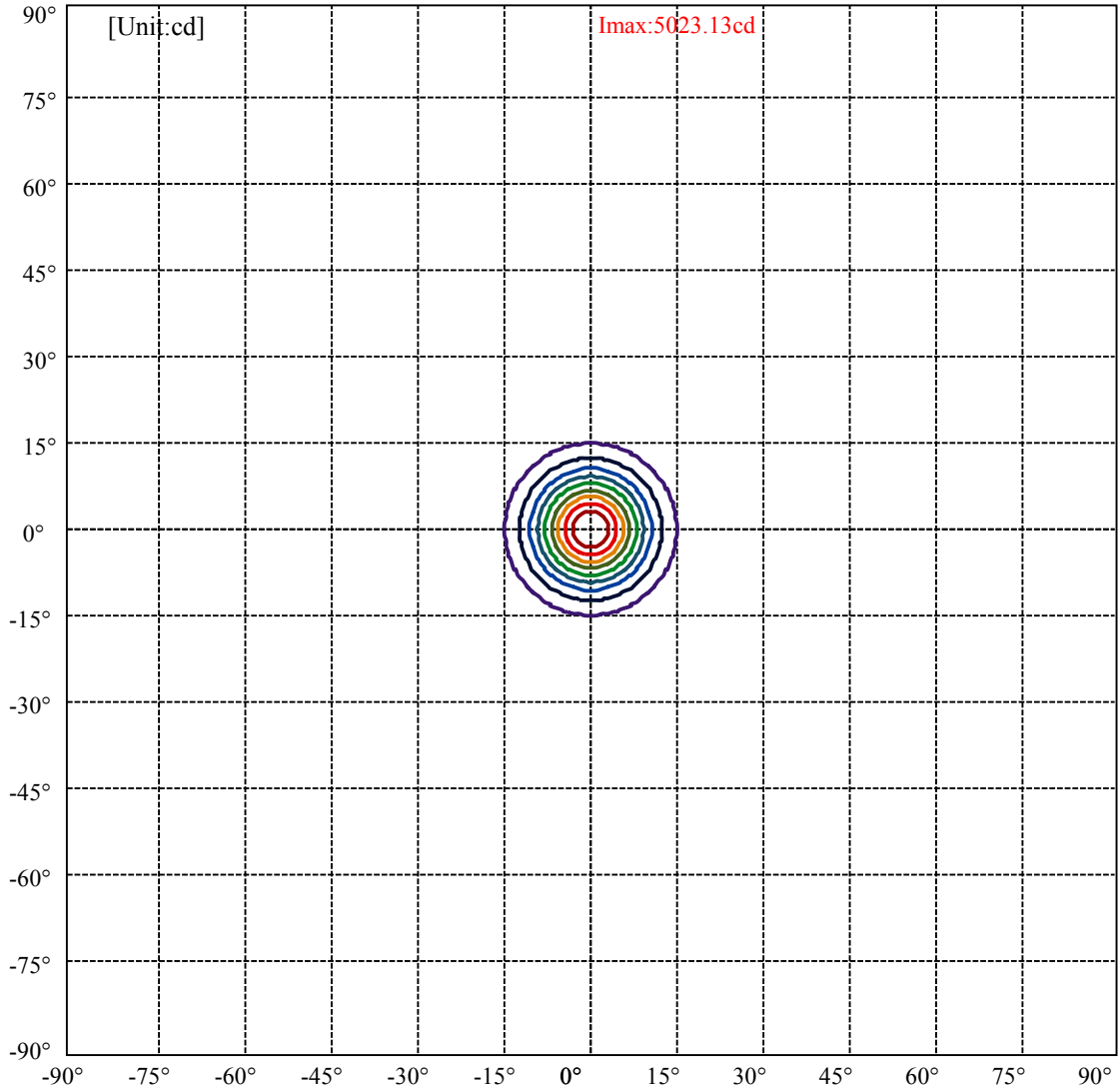
C90/C270: —————

Field angle(10%Imax):C0/180Left:14.7 Right:14.7
:C90/270Left:14.7 Right:14.7

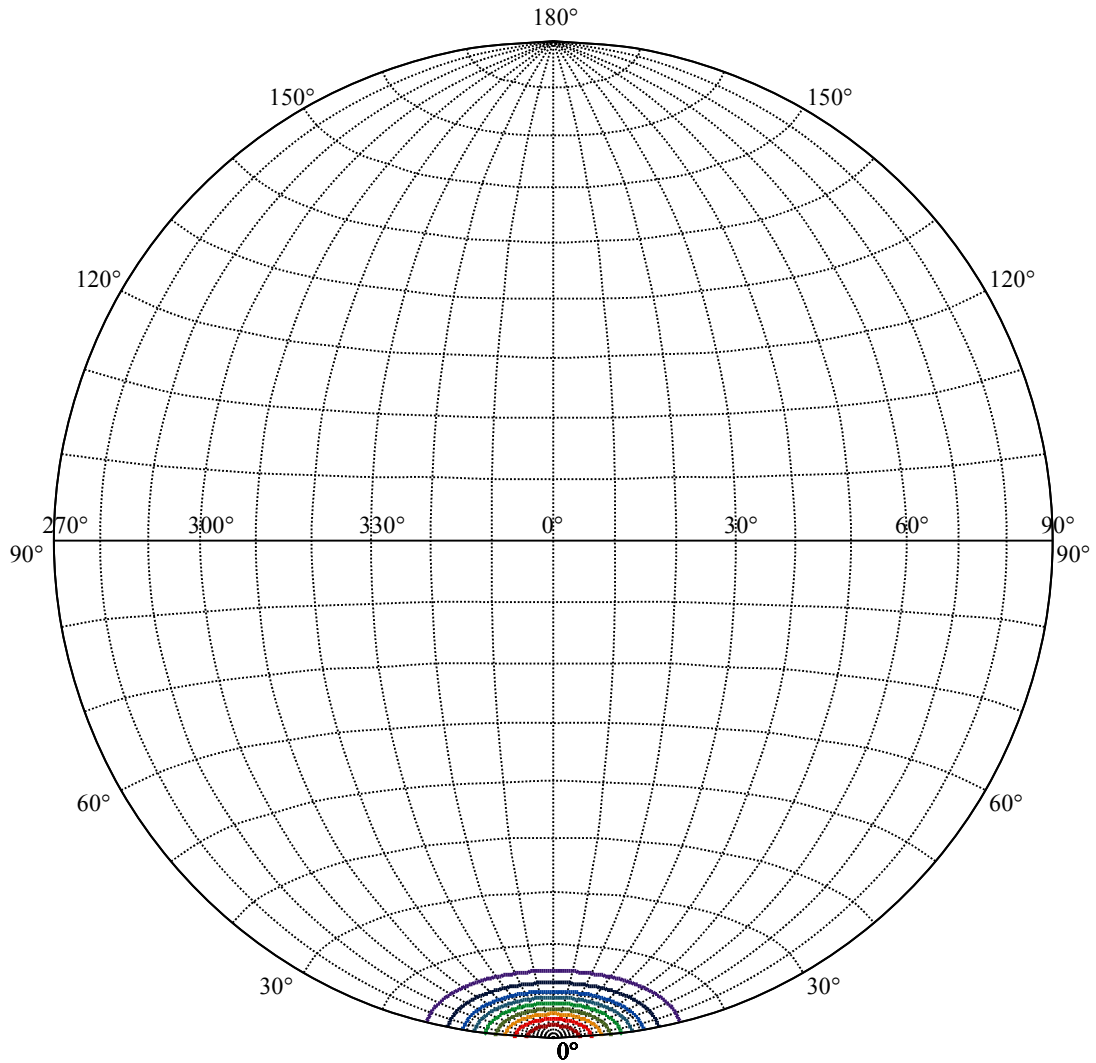
Beam Angle(50%Imax):C0/180Left:7.9 Right:7.9
:C90/270Left:7.9 Right:7.9



Max , Ave Beam angle of C0 plane 15.90



| | |
|-------------------|---|
| (10%Imax) 502.313 | — |
| (20%Imax) 1004.63 | — |
| (30%Imax) 1506.94 | — |
| (40%Imax) 2009.25 | — |
| (50%Imax) 2511.56 | — |
| (60%Imax) 3013.88 | — |
| (70%Imax) 3516.19 | — |
| (80%Imax) 4018.5 | — |
| (90%Imax) 4520.81 | — |



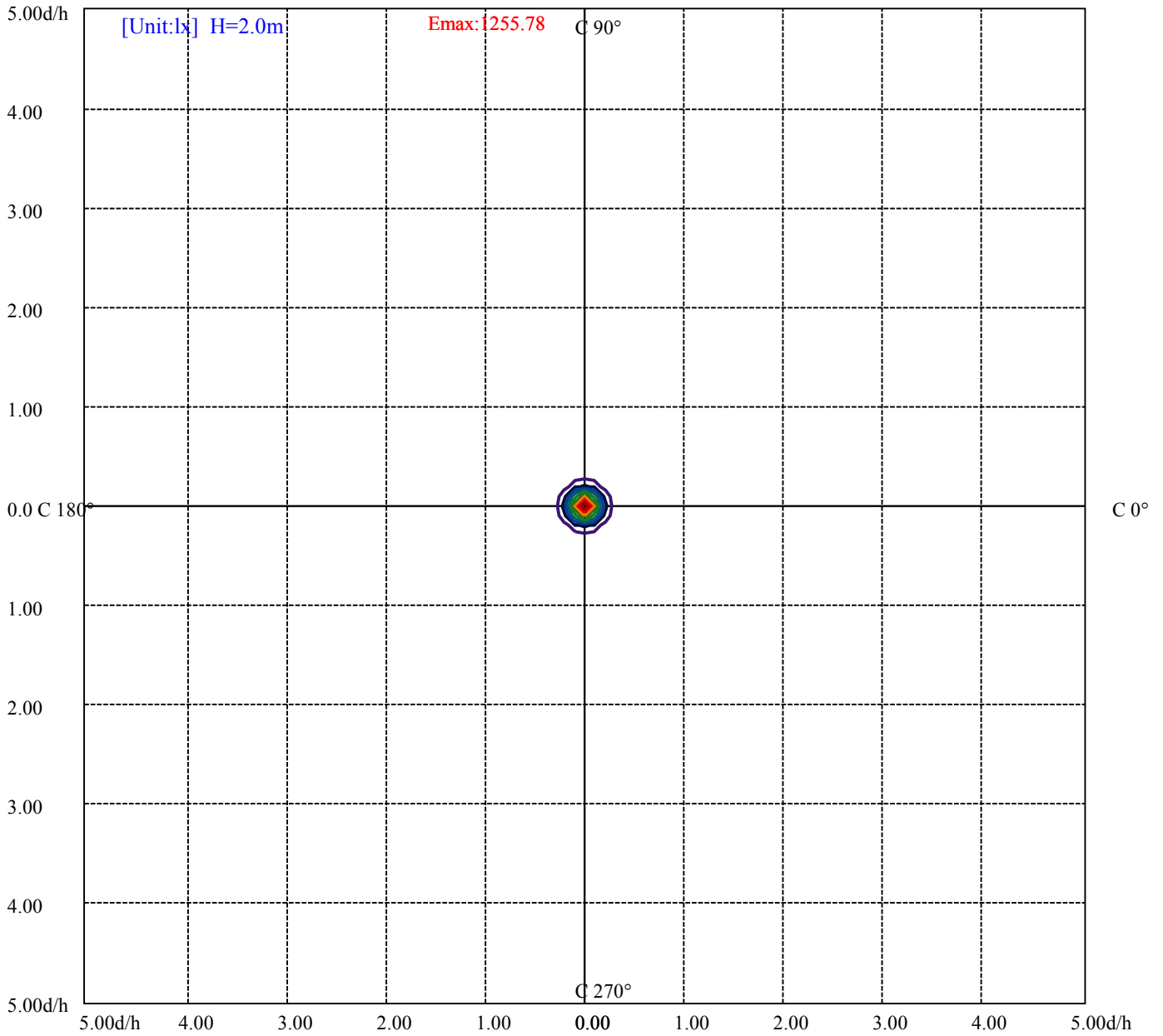
House

[Unit:cd]

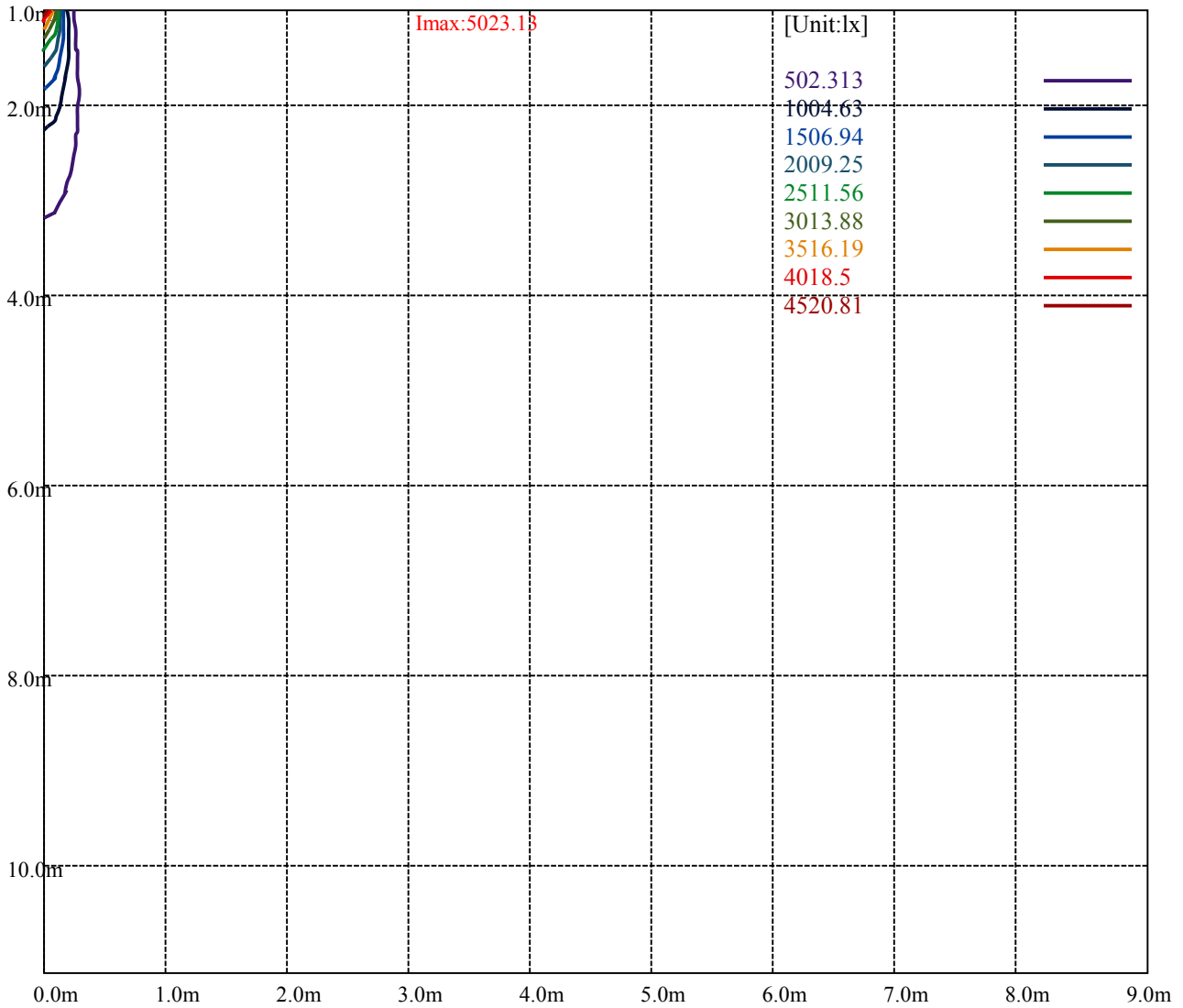
Road

Imax:5023.13

| | |
|-------------------|---|
| (10%Imax) 502.313 | — |
| (20%Imax) 1004.63 | — |
| (30%Imax) 1506.94 | — |
| (40%Imax) 2009.25 | — |
| (50%Imax) 2511.56 | — |
| (60%Imax) 3013.88 | — |
| (70%Imax) 3516.19 | — |
| (80%Imax) 4018.5 | — |
| (90%Imax) 4520.81 | — |



| | |
|--------------------|---|
| (10%Emax) 125.578 | — |
| (20%Emax) 251.155 | — |
| (30%Emax) 376.7325 | — |
| (40%Emax) 502.3125 | — |
| (50%Emax) 627.89 | — |
| (60%Emax) 753.4675 | — |
| (70%Emax) 879.045 | — |
| (80%Emax) 1004.622 | — |
| (90%Emax) 1130.2 | — |



Luminance Table

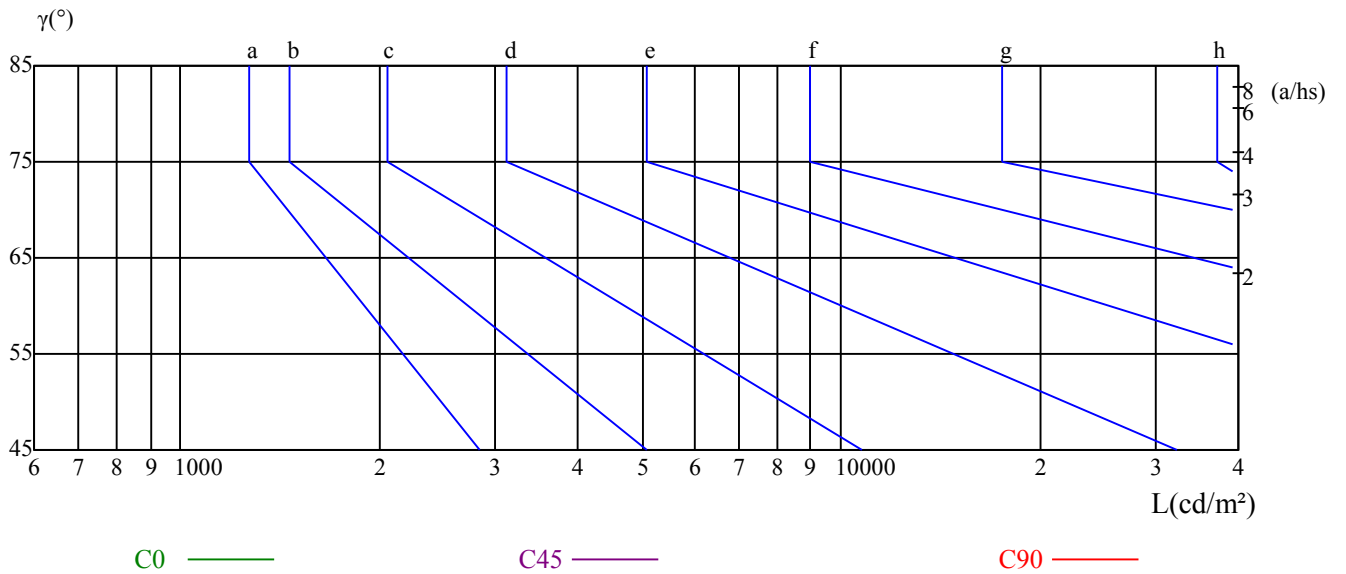
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|----|----|----|----|----|----|----|----|
| C0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

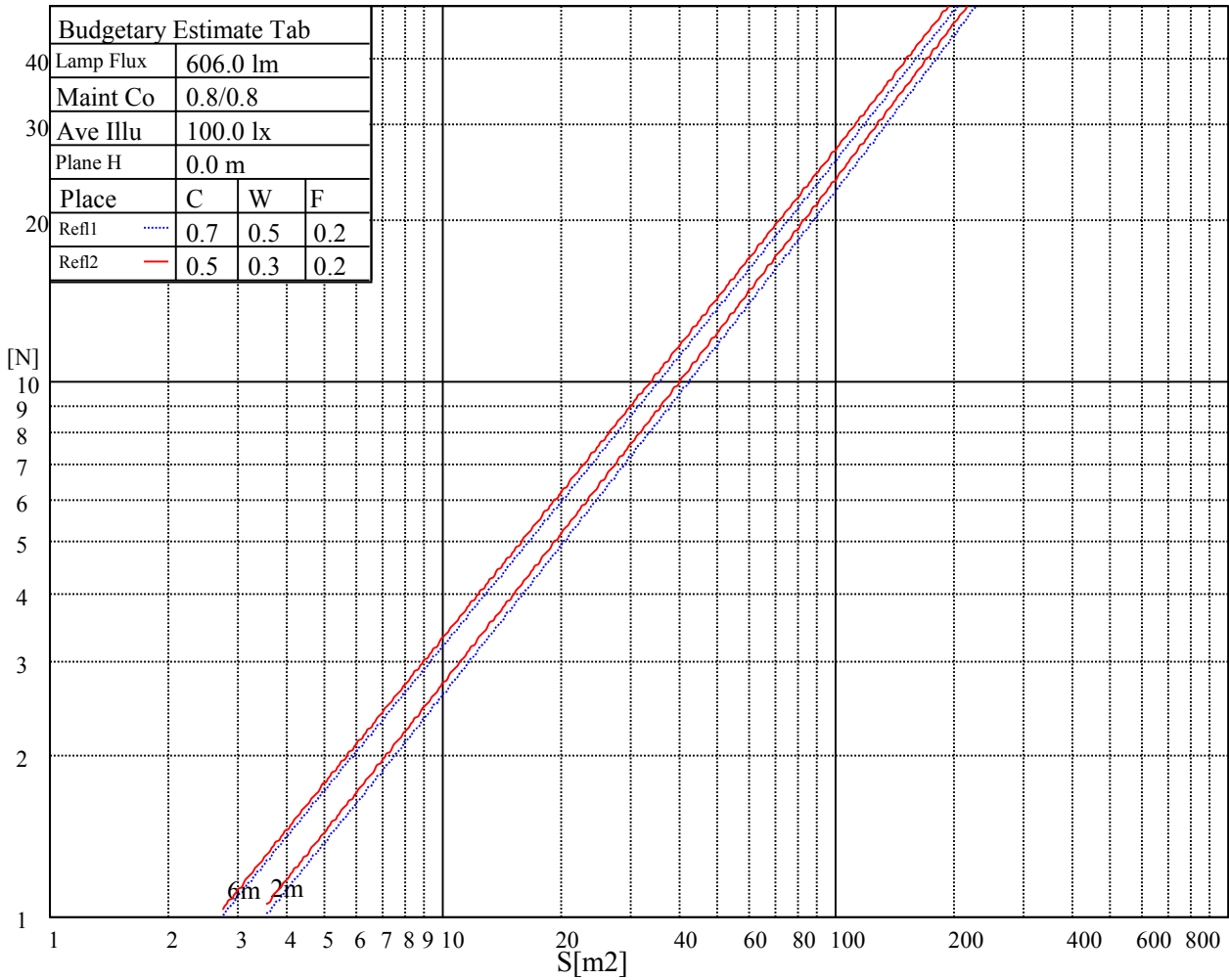
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Glare Table

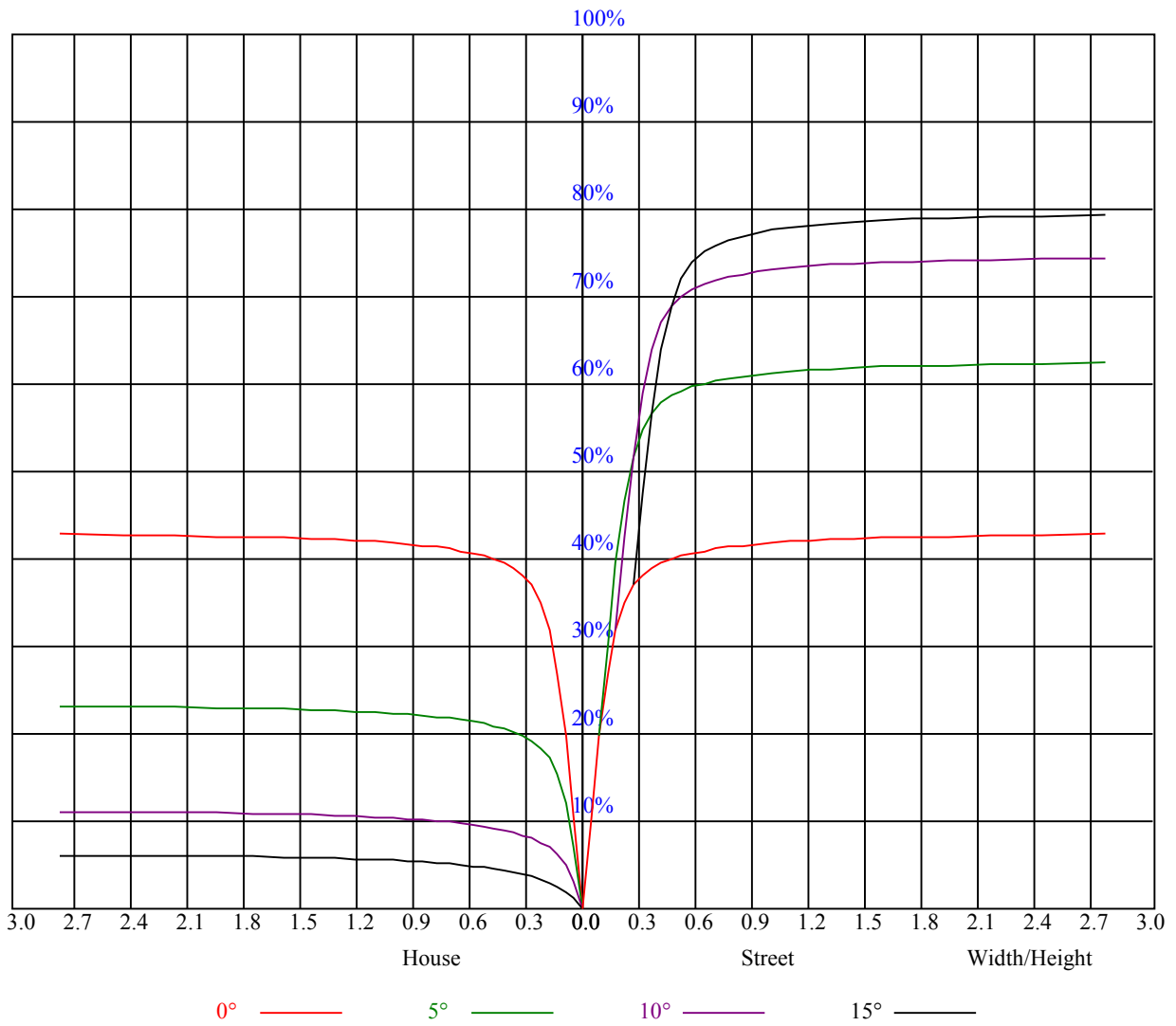
| Glare | Quality | Service Values Illuminance(lx) | | | | | | | |
|-------|---------|--------------------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 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 | 1.03 | 1.03 | 1.03 | 1.01 | 1.01 | 1.01 | 0.96 | 0.96 | 0.96 | 0.92 | 0.92 | 0.92 | 0.88 | 0.88 | 0.88 | 0.87 |
| 1 | 0.98 | 0.96 | 0.94 | 0.96 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.89 | 0.88 | 0.87 | 0.86 | 0.85 | 0.85 | 0.83 |
| 2 | 0.93 | 0.90 | 0.88 | 0.92 | 0.89 | 0.87 | 0.89 | 0.87 | 0.85 | 0.86 | 0.85 | 0.84 | 0.84 | 0.83 | 0.82 | 0.81 |
| 3 | 0.89 | 0.86 | 0.84 | 0.88 | 0.85 | 0.83 | 0.86 | 0.84 | 0.82 | 0.84 | 0.82 | 0.81 | 0.82 | 0.81 | 0.80 | 0.78 |
| 4 | 0.86 | 0.83 | 0.81 | 0.85 | 0.82 | 0.80 | 0.84 | 0.81 | 0.79 | 0.82 | 0.80 | 0.78 | 0.81 | 0.79 | 0.77 | 0.76 |
| 5 | 0.84 | 0.80 | 0.78 | 0.83 | 0.80 | 0.78 | 0.82 | 0.79 | 0.77 | 0.80 | 0.78 | 0.76 | 0.79 | 0.77 | 0.76 | 0.75 |
| 6 | 0.81 | 0.78 | 0.76 | 0.81 | 0.78 | 0.75 | 0.80 | 0.77 | 0.75 | 0.79 | 0.76 | 0.74 | 0.78 | 0.76 | 0.74 | 0.73 |
| 7 | 0.79 | 0.76 | 0.74 | 0.79 | 0.76 | 0.74 | 0.78 | 0.75 | 0.73 | 0.77 | 0.75 | 0.73 | 0.76 | 0.74 | 0.73 | 0.72 |
| 8 | 0.78 | 0.74 | 0.72 | 0.77 | 0.74 | 0.72 | 0.76 | 0.74 | 0.72 | 0.76 | 0.73 | 0.71 | 0.75 | 0.73 | 0.71 | 0.70 |
| 9 | 0.76 | 0.73 | 0.71 | 0.76 | 0.73 | 0.71 | 0.75 | 0.72 | 0.70 | 0.74 | 0.72 | 0.70 | 0.74 | 0.72 | 0.70 | 0.69 |
| 10 | 0.74 | 0.71 | 0.69 | 0.74 | 0.71 | 0.69 | 0.74 | 0.71 | 0.69 | 0.73 | 0.71 | 0.69 | 0.73 | 0.70 | 0.69 | 0.68 |



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 | 5049.00 | 5021.44 | 4883.06 | 4630.50 | 4314.94 | 3926.81 | 3409.31 | 2987.44 | 2586.94 |
| 90.0 | 4997.25 | 4997.81 | 4884.19 | 4657.50 | 4371.19 | 4007.25 | 3499.31 | 3084.75 | 2684.25 |
| 180.0 | 5049.00 | 4961.25 | 4785.75 | 4475.81 | 4064.63 | 3664.13 | 3180.38 | 2707.88 | 2313.00 |
| 270.0 | 4997.25 | 4884.75 | 4683.94 | 4366.69 | 4005.56 | 3557.81 | 3093.19 | 2647.69 | 2266.31 |
| 360.0 | 5049.00 | 5021.44 | 4883.06 | 4630.50 | 4314.94 | 3926.81 | 3409.31 | 2987.44 | 2586.94 |
| C/γ(°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
| 0.0 | 2124.00 | 1780.31 | 1464.19 | 1144.69 | 865.69 | 657.56 | 478.13 | 360.00 | 286.31 |
| 90.0 | 2208.38 | 1851.19 | 1526.06 | 1195.88 | 915.75 | 712.13 | 533.81 | 414.00 | 314.44 |
| 180.0 | 1944.56 | 1533.38 | 1111.61 | 986.12 | 713.76 | 538.71 | 405.79 | 285.86 | 222.86 |
| 270.0 | 1907.44 | 1499.63 | 1101.26 | 946.58 | 710.72 | 529.20 | 407.87 | 317.03 | 237.38 |
| 360.0 | 2124.00 | 1780.31 | 1464.19 | 1144.69 | 865.69 | 657.56 | 478.13 | 360.00 | 286.31 |
| C/γ(°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
| 0.0 | 215.94 | 175.28 | 145.13 | 124.82 | 105.75 | 92.36 | 80.10 | 69.98 | 62.83 |
| 90.0 | 287.44 | 197.89 | 162.28 | 134.10 | 114.30 | 98.61 | 83.19 | 73.74 | 66.77 |
| 180.0 | 178.99 | 141.47 | 121.84 | 103.22 | 87.19 | 78.58 | 68.91 | 60.47 | 55.58 |
| 270.0 | 194.34 | 161.78 | 134.27 | 112.56 | 96.53 | 82.63 | 72.34 | 65.03 | 58.22 |
| 360.0 | 215.94 | 175.28 | 145.13 | 124.82 | 105.75 | 92.36 | 80.10 | 69.98 | 62.83 |
| C/γ(°) | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 |
| 0.0 | 56.70 | 50.57 | 46.41 | 42.81 | 38.64 | 35.55 | 32.85 | 30.21 | 27.90 |
| 90.0 | 59.79 | 54.06 | 49.61 | 44.21 | 39.77 | 36.28 | 32.85 | 30.32 | 27.96 |
| 180.0 | 50.96 | 45.56 | 42.47 | 39.04 | 35.66 | 32.46 | 30.09 | 27.62 | 25.59 |
| 270.0 | 53.38 | 48.26 | 43.65 | 39.88 | 36.51 | 32.74 | 30.38 | 28.01 | 25.65 |
| 360.0 | 56.70 | 50.57 | 46.41 | 42.81 | 38.64 | 35.55 | 32.85 | 30.21 | 27.90 |
| C/γ(°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
| 0.0 | 26.21 | 24.58 | 23.23 | 21.77 | 20.53 | 19.41 | 18.23 | 17.10 | 16.14 |
| 90.0 | 25.82 | 24.24 | 22.78 | 21.26 | 20.14 | 18.96 | 17.55 | 16.59 | 15.47 |
| 180.0 | 24.02 | 22.50 | 21.38 | 20.14 | 18.96 | 17.89 | 16.93 | 15.81 | 14.91 |
| 270.0 | 24.08 | 22.61 | 21.15 | 19.91 | 18.84 | 17.66 | 16.59 | 15.47 | 14.40 |
| 360.0 | 26.21 | 24.58 | 23.23 | 21.77 | 20.53 | 19.41 | 18.23 | 17.10 | 16.14 |
| C/γ(°) | 45.0 | 46.0 | 47.0 | 48.0 | 49.0 | 50.0 | 51.0 | 52.0 | 53.0 |
| 0.0 | 15.30 | 14.12 | 13.39 | 12.77 | 12.04 | 11.48 | 11.08 | 10.52 | 10.07 |
| 90.0 | 14.40 | 13.44 | 12.71 | 11.98 | 11.36 | 10.91 | 10.35 | 9.90 | 9.51 |
| 180.0 | 14.12 | 13.22 | 12.60 | 12.04 | 11.48 | 11.03 | 10.63 | 10.13 | 9.79 |
| 270.0 | 13.50 | 12.66 | 11.93 | 11.36 | 10.80 | 10.29 | 9.90 | 9.51 | 9.11 |
| 360.0 | 15.30 | 14.12 | 13.39 | 12.77 | 12.04 | 11.48 | 11.08 | 10.52 | 10.07 |
| C/γ(°) | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
| 0.0 | 9.73 | 9.23 | 8.89 | 8.55 | 8.16 | 7.88 | 7.54 | 7.20 | 6.98 |
| 90.0 | 9.11 | 8.78 | 8.44 | 8.04 | 7.76 | 7.48 | 7.20 | 6.92 | 6.69 |
| 180.0 | 9.39 | 9.06 | 8.72 | 8.38 | 8.04 | 7.71 | 7.43 | 7.20 | 6.86 |
| 270.0 | 8.72 | 8.38 | 8.04 | 7.71 | 7.48 | 7.14 | 6.92 | 6.69 | 6.41 |
| 360.0 | 9.73 | 9.23 | 8.89 | 8.55 | 8.16 | 7.88 | 7.54 | 7.20 | 6.98 |
| C/γ(°) | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
| 0.0 | 6.69 | 6.41 | 6.19 | 5.96 | 5.74 | 5.57 | 5.40 | 5.18 | 5.01 |
| 90.0 | 6.47 | 6.19 | 6.02 | 5.85 | 5.68 | 5.46 | 5.29 | 5.18 | 5.01 |
| 180.0 | 6.64 | 6.41 | 6.19 | 5.96 | 5.79 | 5.57 | 5.40 | 5.23 | 5.06 |
| 270.0 | 6.24 | 6.02 | 5.79 | 5.63 | 5.46 | 5.23 | 5.12 | 4.89 | 4.73 |
| 360.0 | 6.69 | 6.41 | 6.19 | 5.96 | 5.74 | 5.57 | 5.40 | 5.18 | 5.01 |

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Intensity data(cd)

| | | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|------|------|
| C/ γ ($^{\circ}$) | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
| 0.0 | 4.84 | 4.67 | 4.56 | 4.39 | 4.28 | 4.11 | 4.05 | 3.94 | 3.83 |
| 90.0 | 4.84 | 4.67 | 4.56 | 4.44 | 4.28 | 4.22 | 4.16 | 3.99 | 3.83 |
| 180.0 | 4.89 | 4.78 | 4.56 | 4.44 | 4.33 | 4.16 | 3.99 | 3.88 | 3.77 |
| 270.0 | 4.56 | 4.44 | 4.28 | 4.22 | 4.11 | 3.99 | 3.88 | 3.66 | 3.54 |
| 360.0 | 4.84 | 4.67 | 4.56 | 4.39 | 4.28 | 4.11 | 4.05 | 3.94 | 3.83 |
| C/ γ ($^{\circ}$) | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
| 0.0 | 3.66 | 3.54 | 3.38 | 3.21 | 3.04 | 2.87 | 2.76 | 2.53 | 2.36 |
| 90.0 | 3.66 | 3.49 | 3.38 | 3.15 | 3.04 | 2.81 | 2.64 | 2.31 | 2.19 |
| 180.0 | 3.60 | 3.43 | 3.26 | 3.09 | 2.98 | 2.76 | 2.48 | 2.36 | 2.25 |
| 270.0 | 3.43 | 3.26 | 3.09 | 2.93 | 2.81 | 2.64 | 2.36 | 2.19 | 2.08 |
| 360.0 | 3.66 | 3.54 | 3.38 | 3.21 | 3.04 | 2.87 | 2.76 | 2.53 | 2.36 |
| C/ γ ($^{\circ}$) | 90.0 | | | | | | | | |
| 0.0 | 2.25 | | | | | | | | |
| 90.0 | 2.08 | | | | | | | | |
| 180.0 | 2.25 | | | | | | | | |
| 270.0 | 2.03 | | | | | | | | |
| 360.0 | 2.25 | | | | | | | | |