

DILUCE | 登路仕

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HX-DA616S-30090

| | |
|----------------------------|---|
| LumCAT: HX-DA616S-30090 | Luminaire: HX-DA616S |
| Report No: | Voltage(V): 230.900 |
| Test No: | Current(A): 0.103 |
| LampCAT: 2835 12C12B 30090 | Power (W): 21.900 |
| Lamp flux(lm): 2525.0 | PF: 0.916 |
| Number of Lamps: 1 | Ballast type: EIP030C0600LSR 25/220-240/600CS |
| Length(mm): -165 | Width(mm): -165 |
| Phm Type: C | Height(mm): 0 |

Photometric Results

Lumens(lm): 1937.21
Efficiency(%): 76.72%
Lumens(lm)/Power(W): 88.46
Central intensity(cd): 797.286
Maximum intensity(cd): 802.783
Angle of maximum intensity: C=30.0 γ =1.0
Beam Angle(50%Imax): [H]Left=50.8 Right=49.4
[V]Left=52.2 Right=48.1
Field angle(10%Imax): [H]Left=76.0 Right=74.6
[V]Left=77.2 Right=73.3
Maximum s/h: C0_180=1.22 C90_270=1.23
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 76.72%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 84.082%

Equipment: GMS-1980
Temperature(°C): 25.0

Date: 2023-9-22
Humidity(%): 65.3%

Operator: MinLi Ke
Distance(m): 7.27

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0 | 799.092 | .000 | .000 | .000% | .000% |
| 1.0 | 798.898 | .765 | .765 | .030% | .030% |
| 2.0 | 798.369 | 2.293 | 3.057 | .091% | .121% |
| 3.0 | 797.348 | 3.816 | 6.874 | .151% | .272% |
| 4.0 | 796.238 | 5.334 | 12.208 | .211% | .483% |
| 5.0 | 794.406 | 6.843 | 19.051 | .271% | .754% |
| 6.0 | 792.388 | 8.339 | 27.390 | .330% | 1.085% |
| 7.0 | 789.997 | 9.822 | 37.212 | .389% | 1.474% |
| 8.0 | 787.187 | 11.288 | 48.499 | .447% | 1.921% |
| 9.0 | 784.262 | 12.736 | 61.235 | .504% | 2.425% |
| 10.0 | 780.686 | 14.162 | 75.397 | .561% | 2.986% |
| 11.0 | 776.801 | 15.562 | 90.960 | .616% | 3.602% |
| 12.0 | 772.458 | 16.936 | 107.895 | .671% | 4.273% |
| 13.0 | 767.900 | 18.280 | 126.175 | .724% | 4.997% |
| 14.0 | 763.178 | 19.598 | 145.773 | .776% | 5.773% |
| 15.0 | 757.902 | 20.882 | 166.655 | .827% | 6.600% |
| 16.0 | 752.322 | 22.129 | 188.784 | .876% | 7.477% |
| 17.0 | 746.556 | 23.342 | 212.126 | .924% | 8.401% |
| 18.0 | 740.108 | 24.512 | 236.638 | .971% | 9.372% |
| 19.0 | 733.545 | 25.639 | 262.276 | 1.015% | 10.387% |
| 20.0 | 726.798 | 26.728 | 289.004 | 1.059% | 11.446% |
| 21.0 | 719.394 | 27.770 | 316.774 | 1.100% | 12.546% |
| 22.0 | 712.039 | 28.765 | 345.540 | 1.139% | 13.685% |
| 23.0 | 703.895 | 29.710 | 375.250 | 1.177% | 14.861% |
| 24.0 | 695.756 | 30.601 | 405.851 | 1.212% | 16.073% |
| 25.0 | 686.687 | 31.434 | 437.285 | 1.245% | 17.318% |
| 26.0 | 678.015 | 32.214 | 469.499 | 1.276% | 18.594% |
| 27.0 | 668.805 | 32.950 | 502.449 | 1.305% | 19.899% |
| 28.0 | 659.274 | 33.624 | 536.073 | 1.332% | 21.231% |
| 29.0 | 649.941 | 34.253 | 570.326 | 1.357% | 22.587% |
| 30.0 | 639.661 | 34.819 | 605.145 | 1.379% | 23.966% |
| 31.0 | 629.416 | 35.317 | 640.461 | 1.399% | 25.365% |
| 32.0 | 618.727 | 35.758 | 676.219 | 1.416% | 26.781% |
| 33.0 | 608.183 | 36.145 | 712.364 | 1.431% | 28.212% |
| 34.0 | 597.141 | 36.477 | 748.841 | 1.445% | 29.657% |
| 35.0 | 586.090 | 36.747 | 785.588 | 1.455% | 31.112% |
| 36.0 | 574.793 | 36.963 | 822.551 | 1.464% | 32.576% |
| 37.0 | 563.650 | 37.130 | 859.680 | 1.470% | 34.047% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0 | 551.780 | 37.232 | 896.912 | 1.475% | 35.521% |
| 39.0 | 539.663 | 37.254 | 934.166 | 1.475% | 36.997% |
| 40.0 | 527.675 | 37.225 | 971.391 | 1.474% | 38.471% |
| 41.0 | 515.479 | 37.146 | 1008.537 | 1.471% | 39.942% |
| 42.0 | 503.653 | 37.027 | 1045.564 | 1.466% | 41.408% |
| 43.0 | 490.995 | 36.845 | 1082.408 | 1.459% | 42.868% |
| 44.0 | 478.601 | 36.595 | 1119.003 | 1.449% | 44.317% |
| 45.0 | 465.458 | 36.281 | 1155.285 | 1.437% | 45.754% |
| 46.0 | 452.760 | 35.910 | 1191.194 | 1.422% | 47.176% |
| 47.0 | 439.798 | 35.499 | 1226.694 | 1.406% | 48.582% |
| 48.0 | 426.941 | 35.038 | 1261.732 | 1.388% | 49.970% |
| 49.0 | 412.887 | 34.488 | 1296.220 | 1.366% | 51.335% |
| 50.0 | 400.819 | 33.926 | 1330.146 | 1.344% | 52.679% |
| 51.0 | 387.394 | 33.348 | 1363.494 | 1.321% | 54.000% |
| 52.0 | 374.005 | 32.672 | 1396.166 | 1.294% | 55.294% |
| 53.0 | 360.796 | 31.964 | 1428.130 | 1.266% | 56.560% |
| 54.0 | 347.200 | 31.205 | 1459.335 | 1.236% | 57.795% |
| 55.0 | 334.303 | 30.421 | 1489.757 | 1.205% | 59.000% |
| 56.0 | 321.068 | 29.614 | 1519.371 | 1.173% | 60.173% |
| 57.0 | 307.978 | 28.761 | 1548.132 | 1.139% | 61.312% |
| 58.0 | 294.549 | 27.863 | 1575.995 | 1.103% | 62.416% |
| 59.0 | 281.098 | 26.912 | 1602.907 | 1.066% | 63.481% |
| 60.0 | 267.792 | 25.932 | 1628.839 | 1.027% | 64.508% |
| 61.0 | 254.791 | 24.939 | 1653.778 | .988% | 65.496% |
| 62.0 | 241.701 | 23.924 | 1677.702 | .947% | 66.444% |
| 63.0 | 228.510 | 22.869 | 1700.570 | .906% | 67.349% |
| 64.0 | 216.023 | 21.813 | 1722.383 | .864% | 68.213% |
| 65.0 | 202.713 | 20.723 | 1743.106 | .821% | 69.034% |
| 66.0 | 189.896 | 19.589 | 1762.695 | .776% | 69.810% |
| 67.0 | 176.982 | 18.448 | 1781.143 | .731% | 70.540% |
| 68.0 | 164.712 | 17.309 | 1798.452 | .686% | 71.226% |
| 69.0 | 152.269 | 16.171 | 1814.623 | .640% | 71.866% |
| 70.0 | 140.100 | 15.016 | 1829.638 | .595% | 72.461% |
| 71.0 | 128.138 | 13.864 | 1843.502 | .549% | 73.010% |
| 72.0 | 116.633 | 12.727 | 1856.229 | .504% | 73.514% |
| 73.0 | 104.900 | 11.585 | 1867.814 | .459% | 73.973% |
| 74.0 | 93.594 | 10.435 | 1878.249 | .413% | 74.386% |
| 75.0 | 83.001 | 9.331 | 1887.580 | .370% | 74.756% |

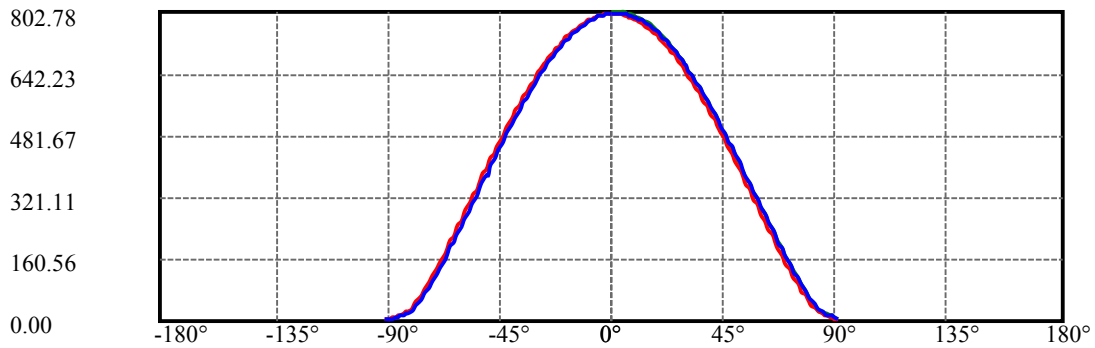
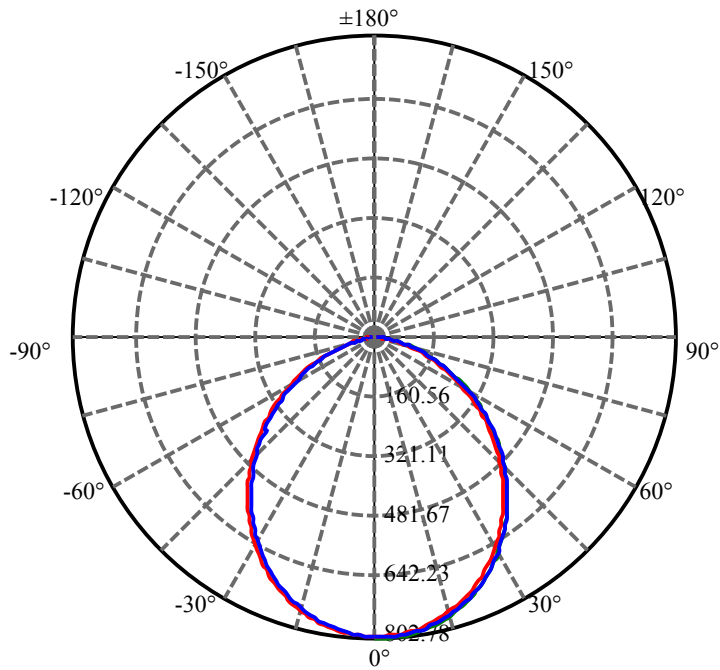
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0 | 72.320 | 8.245 | 1895.825 | .327% | 75.082% |
| 77.0 | 62.441 | 7.185 | 1903.010 | .285% | 75.367% |
| 78.0 | 52.765 | 6.167 | 1909.177 | .244% | 75.611% |
| 79.0 | 44.211 | 5.211 | 1914.387 | .206% | 75.817% |
| 80.0 | 36.662 | 4.360 | 1918.748 | .173% | 75.990% |
| 81.0 | 30.426 | 3.628 | 1922.376 | .144% | 76.134% |
| 82.0 | 25.576 | 3.037 | 1925.412 | .120% | 76.254% |
| 83.0 | 21.582 | 2.564 | 1927.976 | .102% | 76.355% |
| 84.0 | 18.415 | 2.179 | 1930.155 | .086% | 76.442% |
| 85.0 | 15.609 | 1.857 | 1932.012 | .074% | 76.515% |
| 86.0 | 12.940 | 1.561 | 1933.573 | .062% | 76.577% |
| 87.0 | 10.311 | 1.272 | 1934.845 | .050% | 76.628% |
| 88.0 | 7.941 | 1.000 | 1935.845 | .040% | 76.667% |
| 89.0 | 5.981 | .763 | 1936.608 | .030% | 76.697% |
| 90.0 | 4.907 | .597 | 1937.205 | .024% | 76.721% |

ZONAL LUMEN SUMMARY

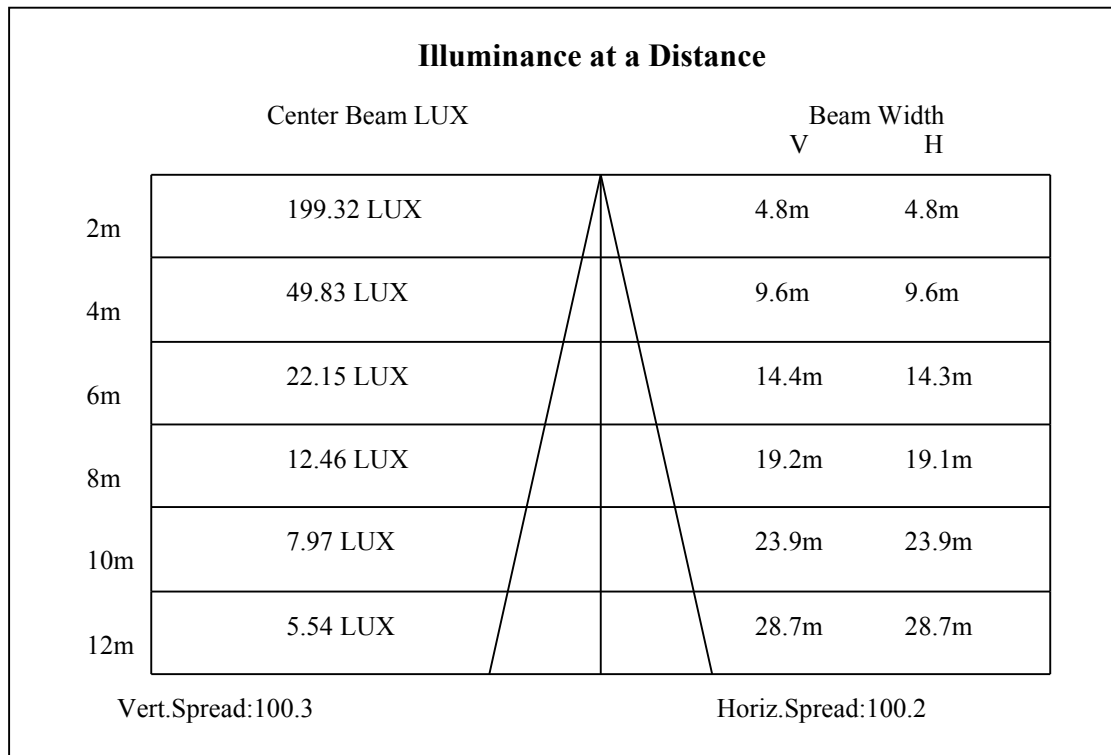
| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|--------|---------|
| 0-30 | 605.14 | 23.97% | 31.24% |
| 0-40 | 971.39 | 38.47% | 50.14% |
| 0-60 | 1628.84 | 64.51% | 84.08% |
| 0-90 | 1936.61 | 76.70% | 99.97% |
| 90-120 | 0.00 | 0.00% | 0.00% |
| 90-130 | 0.00 | 0.00% | 0.00% |
| 90-150 | 0.00 | 0.00% | 0.00% |
| 90-180 | 0.00 | 0.00% | 0.00% |
| 0-180 | 1937.21 | 76.72% | 100.00% |

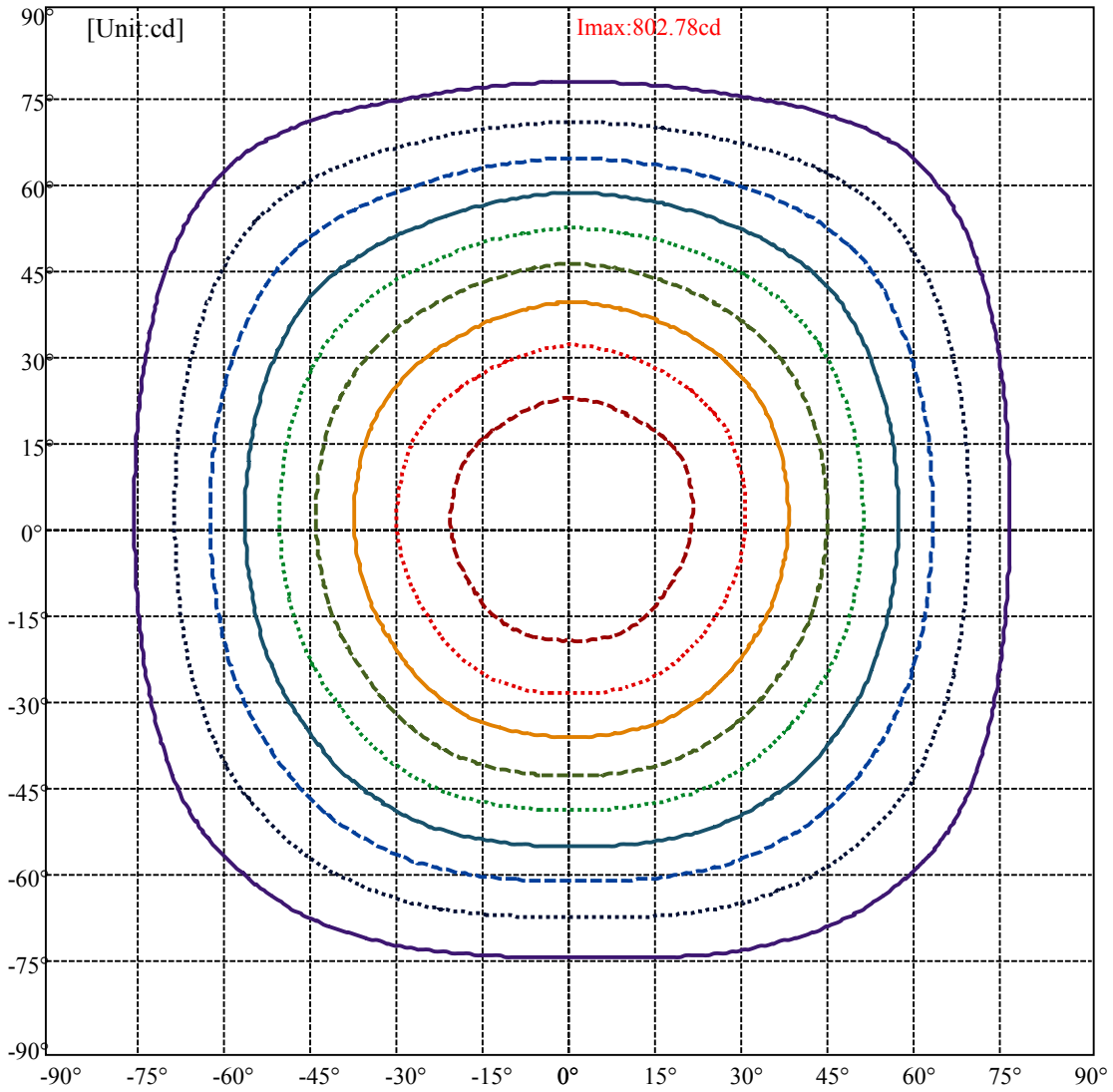
ZONAL LUMEN SUMMARY

| | |
|---------|--------|
| 0-10 | 75.40 |
| 10-20 | 213.61 |
| 20-30 | 316.14 |
| 30-40 | 366.25 |
| 40-50 | 358.76 |
| 50-60 | 298.69 |
| 60-70 | 200.80 |
| 70-80 | 89.11 |
| 80-90 | 17.86 |
| 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 |

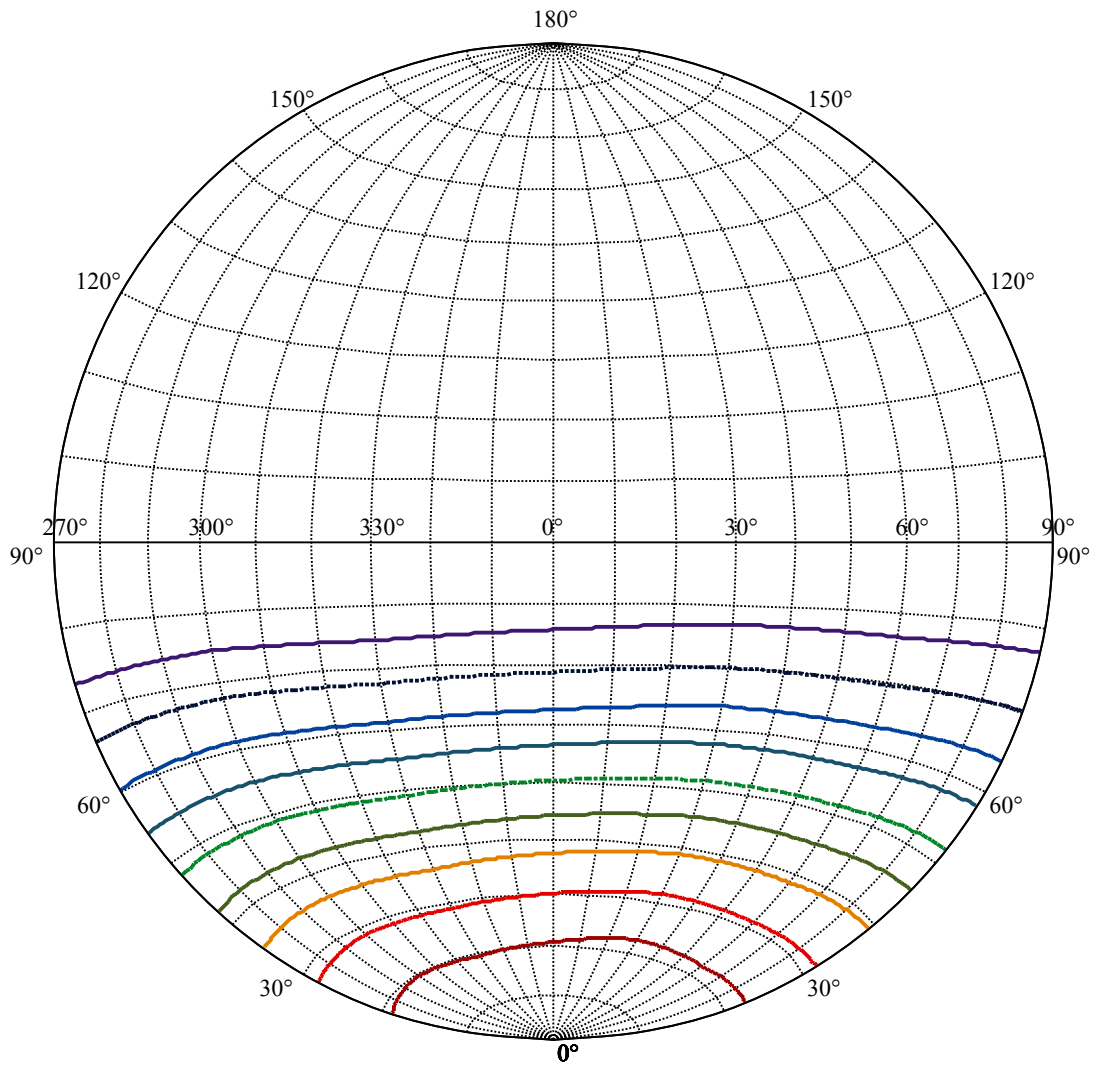


C30(Max): —
C0/C180: —
C90/C270: —





| | | |
|-----------|---------|-----------|
| (10%Imax) | 80.2112 | ——— |
| (20%Imax) | 160.422 | |
| (30%Imax) | 240.634 | - - - - - |
| (40%Imax) | 320.845 | ————— |
| (50%Imax) | 401.056 | |
| (60%Imax) | 481.267 | - - - - - |
| (70%Imax) | 561.478 | ————— |
| (80%Imax) | 641.689 | |
| (90%Imax) | 721.901 | - - - - - |

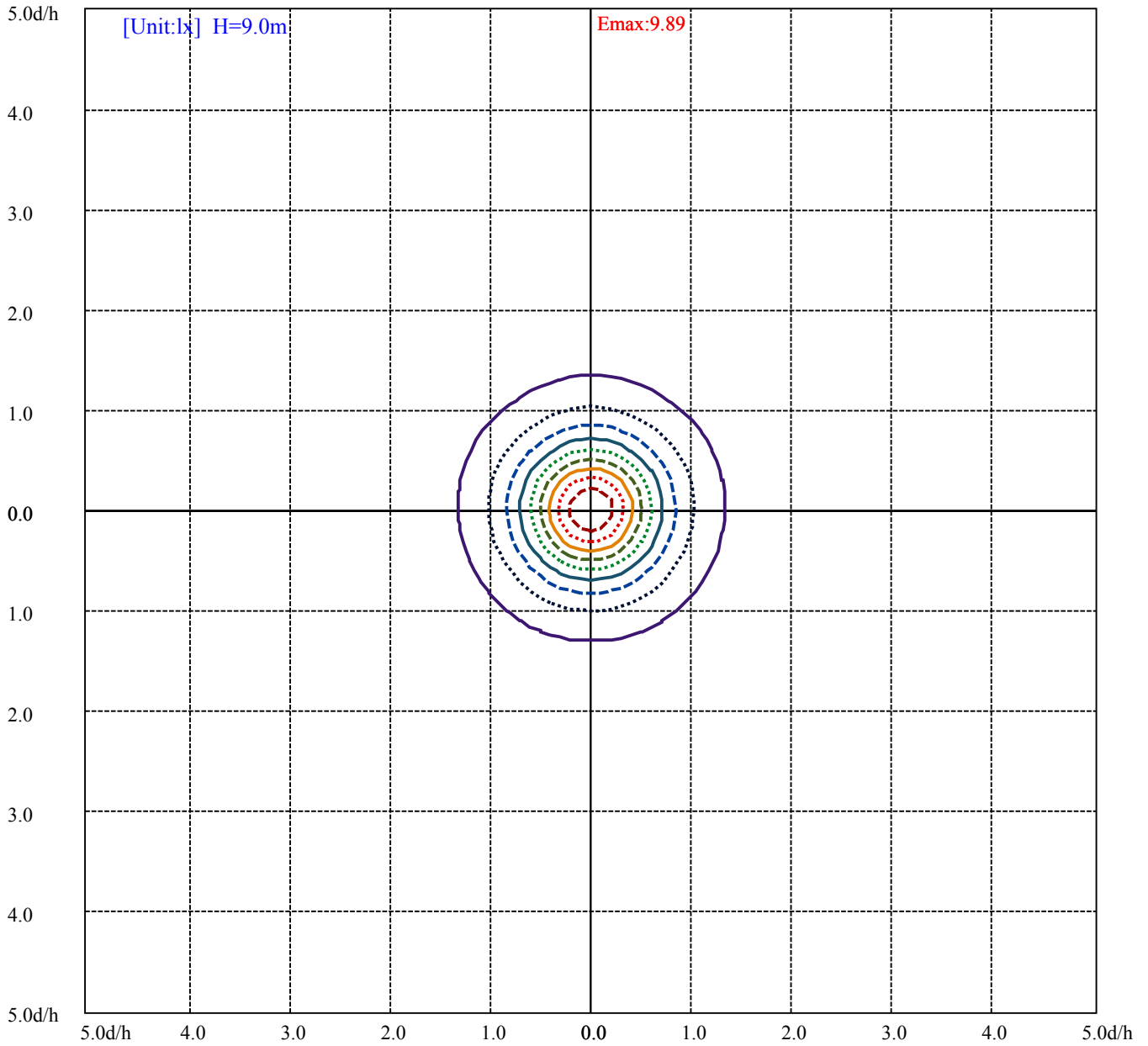


House

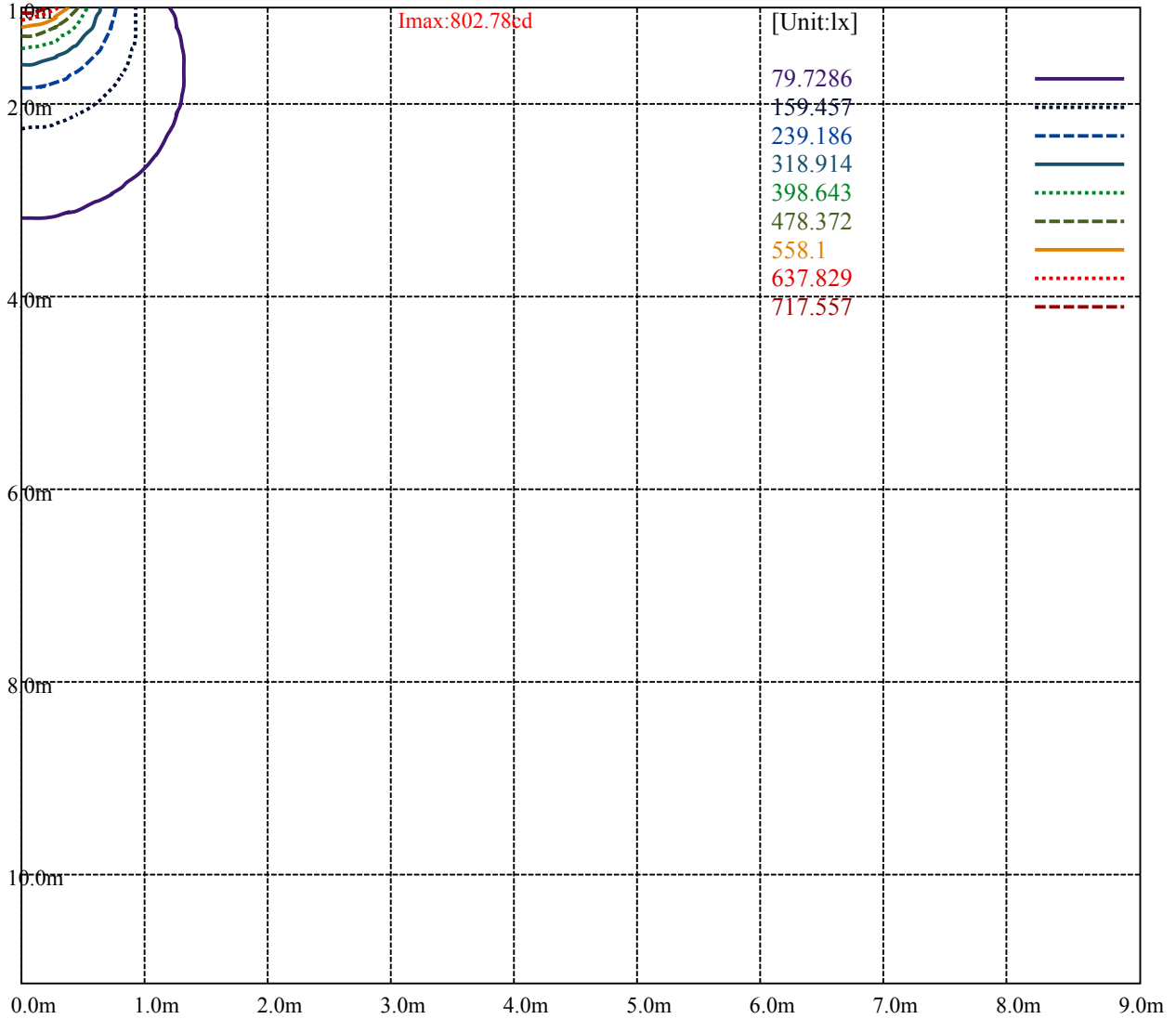
Road

I_{max}:802.78cd

| | |
|--------------------------------|-------|
| (10%I _{max}) 80.2783 | — |
| (20%I _{max}) 160.557 | ⋯ |
| (30%I _{max}) 240.835 | - - - |
| (40%I _{max}) 321.113 | — |
| (50%I _{max}) 401.391 | ⋯ |
| (60%I _{max}) 481.67 | - - - |
| (70%I _{max}) 561.948 | — |
| (80%I _{max}) 642.226 | ⋯ |
| (90%I _{max}) 722.504 | - - - |



- (10%Emax) 0.9888062 ————
- (20%Emax) 1.977617
- (30%Emax) 2.96642 - - - - -
- (40%Emax) 3.955222 —————
- (50%Emax) 4.944025
- (60%Emax) 5.932839 - - - - -
- (70%Emax) 6.921642 —————
- (80%Emax) 7.910444
- (90%Emax) 8.899247 - - - - -

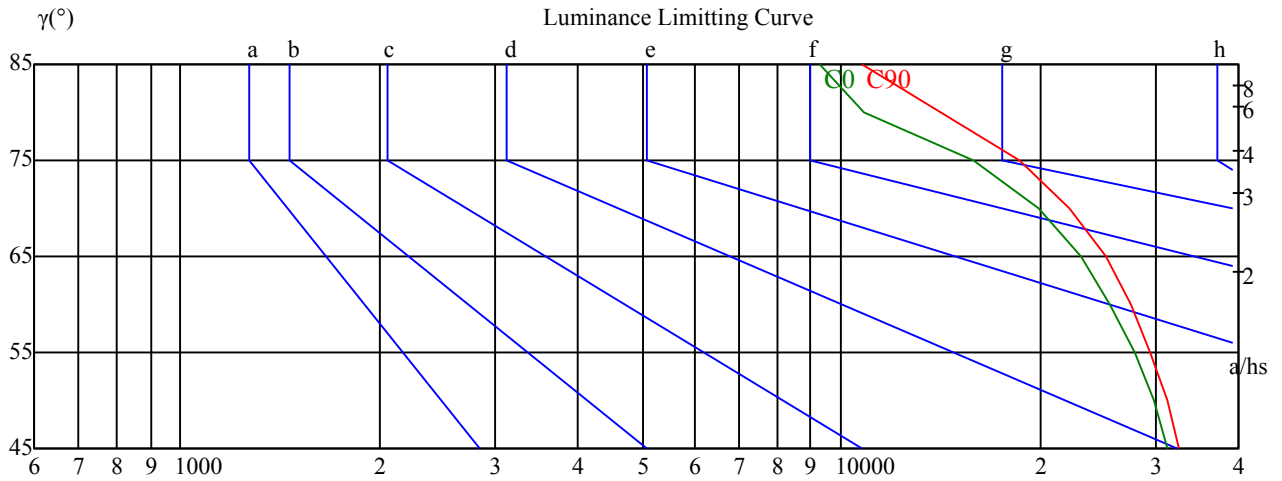


Luminance Table

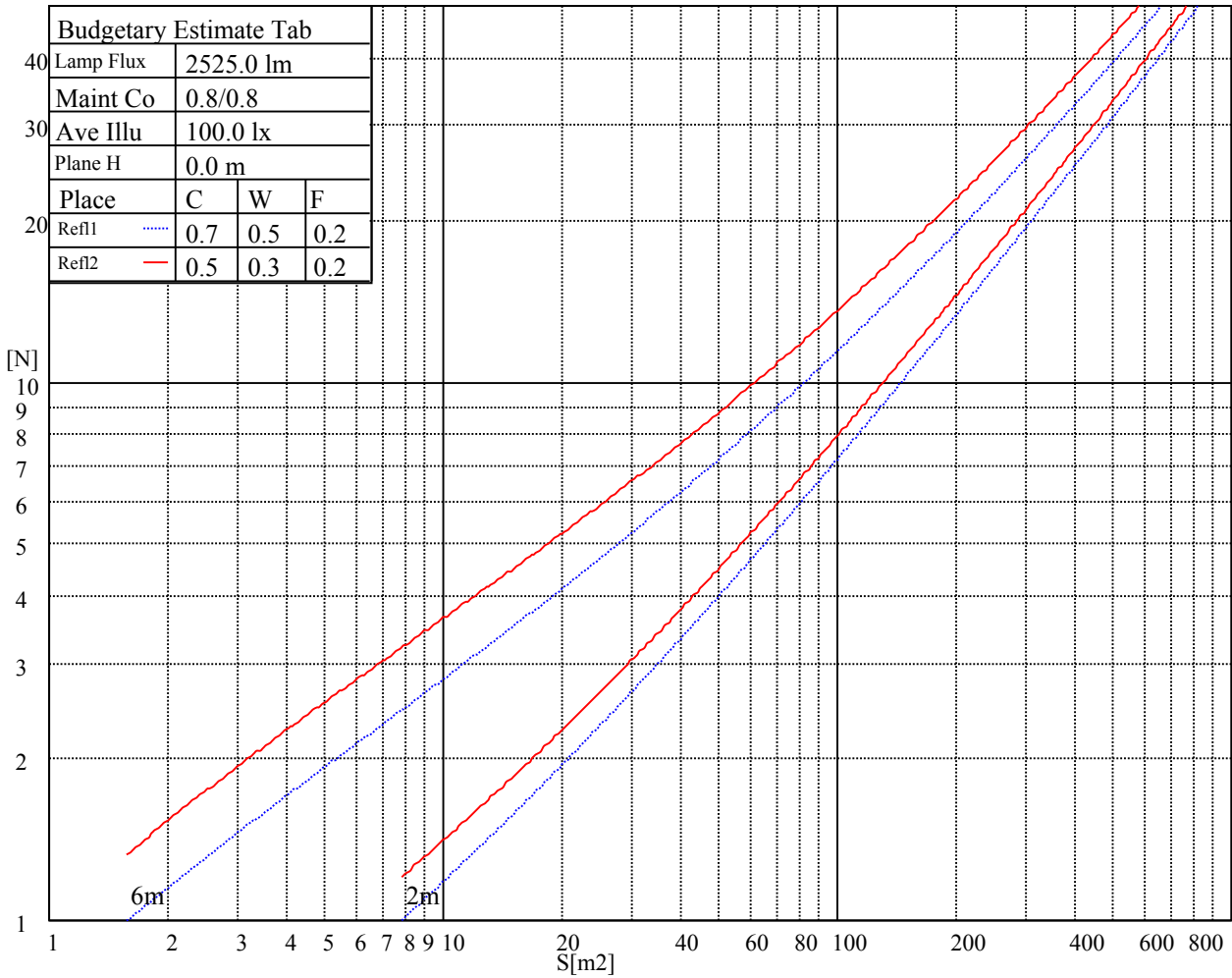
| | | | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
| C0 | 31321 | 29690 | 27942 | 25568 | 23126 | 19874 | 15863 | 10861 | 9274 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 32464 | 31179 | 29399 | 27442 | 25115 | 22216 | 18652 | 14135 | 10777 |

Glare Table

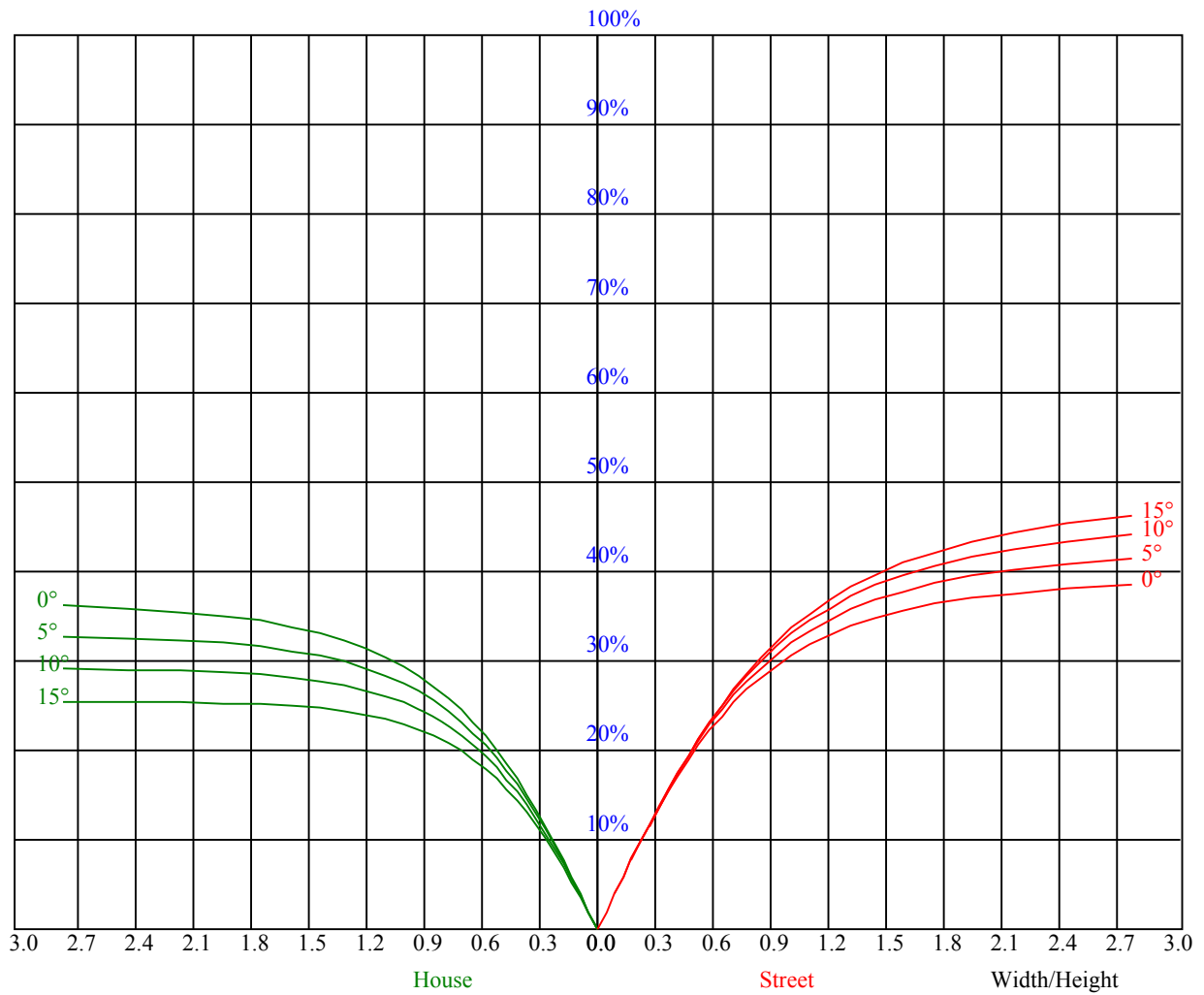
| Glare | Quality | Service Values Illuminance(lx) | | | | | | | |
|-------|---------|--------------------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.2 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |



| Illuminatin 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 | 21.1 | 22.4 | 21.4 | 22.6 | 22.9 | 21.2 | 22.5 | 21.5 | 22.7 | 23.0 |
| | 3H | 22.3 | 23.5 | 22.6 | 23.7 | 24.0 | 22.5 | 23.7 | 22.8 | 23.9 | 24.2 |
| | 4H | 22.5 | 23.5 | 22.9 | 23.8 | 24.2 | 22.8 | 23.8 | 23.2 | 24.1 | 24.4 |
| | 6H | 22.8 | 23.8 | 23.2 | 24.1 | 24.4 | 23.1 | 24.1 | 23.5 | 24.4 | 24.7 |
| | 8H | 22.9 | 23.8 | 23.2 | 24.2 | 24.5 | 23.2 | 24.2 | 23.6 | 24.5 | 24.8 |
| | 12H | 22.7 | 23.5 | 23.1 | 23.8 | 24.2 | 23.1 | 23.8 | 23.5 | 24.2 | 24.6 |
| 4H | 2H | 21.5 | 22.5 | 21.9 | 22.8 | 23.2 | 21.6 | 22.6 | 22.0 | 22.9 | 23.2 |
| | 3H | 22.9 | 23.7 | 23.4 | 24.1 | 24.5 | 23.1 | 23.8 | 23.5 | 24.2 | 24.6 |
| | 4H | 23.5 | 24.2 | 23.9 | 24.6 | 25.0 | 23.6 | 24.4 | 24.1 | 24.8 | 25.2 |
| | 6H | 23.8 | 24.6 | 24.2 | 24.9 | 25.4 | 24.0 | 24.8 | 24.5 | 25.2 | 25.6 |
| | 8H | 23.8 | 24.2 | 24.2 | 24.6 | 25.1 | 24.0 | 24.4 | 24.5 | 24.9 | 25.4 |
| | 12H | 23.8 | 24.2 | 24.3 | 24.7 | 25.2 | 24.1 | 24.5 | 24.6 | 25.0 | 25.5 |
| 8H | 4H | 23.6 | 24.1 | 24.1 | 24.5 | 25.0 | 23.8 | 24.2 | 24.3 | 24.7 | 25.2 |
| | 6H | 24.1 | 24.5 | 24.6 | 24.9 | 25.4 | 24.2 | 24.6 | 24.7 | 25.1 | 25.6 |
| | 8H | 24.2 | 24.6 | 24.7 | 25.1 | 25.6 | 24.4 | 24.8 | 24.9 | 25.3 | 25.8 |
| | 12H | 24.3 | 24.7 | 24.8 | 25.2 | 25.7 | 24.5 | 24.9 | 25.0 | 25.4 | 25.9 |
| 12H | 4H | 23.7 | 24.1 | 24.2 | 24.6 | 25.1 | 23.8 | 24.2 | 24.3 | 24.7 | 25.2 |
| | 6H | 24.1 | 24.5 | 24.6 | 25.0 | 25.5 | 24.3 | 24.7 | 24.8 | 25.2 | 25.7 |
| | 8H | 24.2 | 24.7 | 24.7 | 25.1 | 25.6 | 24.4 | 24.9 | 24.9 | 25.3 | 25.8 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 0.4/-0.4 | | | | | 0.4/-0.5 | | | | |
| S = 1.5H | | 0.7/-0.9 | | | | | 0.7/-0.8 | | | | |
| S = 2.0H | | 1.3/-1.2 | | | | | 1.2/-1.0 | | | | |
| Standard tables: | | BK3 | | | | | BK3 | | | | |
| Uncorrected UGR | | 5.0 | | | | | 5.2 | | | | |
| According 1000lm | | | | | | | | | | | |



| 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 RHOF=20 CU | | | | | | | | | | | | | | | |
| 0 | 0.91 | 0.91 | 0.91 | 0.89 | 0.89 | 0.89 | 0.85 | 0.85 | 0.85 | 0.82 | 0.82 | 0.82 | 0.78 | 0.78 | 0.78 | 0.77 |
| 1 | 0.81 | 0.78 | 0.75 | 0.79 | 0.76 | 0.74 | 0.76 | 0.74 | 0.72 | 0.73 | 0.71 | 0.69 | 0.70 | 0.69 | 0.67 | 0.66 |
| 2 | 0.71 | 0.66 | 0.62 | 0.70 | 0.65 | 0.62 | 0.67 | 0.63 | 0.60 | 0.65 | 0.61 | 0.59 | 0.62 | 0.60 | 0.57 | 0.56 |
| 3 | 0.63 | 0.57 | 0.52 | 0.62 | 0.56 | 0.52 | 0.60 | 0.55 | 0.51 | 0.57 | 0.54 | 0.50 | 0.56 | 0.52 | 0.49 | 0.48 |
| 4 | 0.56 | 0.50 | 0.45 | 0.55 | 0.49 | 0.45 | 0.53 | 0.48 | 0.44 | 0.52 | 0.47 | 0.43 | 0.50 | 0.46 | 0.43 | 0.41 |
| 5 | 0.50 | 0.44 | 0.39 | 0.50 | 0.43 | 0.39 | 0.48 | 0.42 | 0.38 | 0.46 | 0.42 | 0.38 | 0.45 | 0.41 | 0.38 | 0.36 |
| 6 | 0.46 | 0.39 | 0.34 | 0.45 | 0.39 | 0.34 | 0.43 | 0.38 | 0.34 | 0.42 | 0.37 | 0.33 | 0.41 | 0.37 | 0.33 | 0.32 |
| 7 | 0.41 | 0.35 | 0.30 | 0.41 | 0.35 | 0.30 | 0.40 | 0.34 | 0.30 | 0.39 | 0.34 | 0.30 | 0.38 | 0.33 | 0.30 | 0.28 |
| 8 | 0.38 | 0.32 | 0.27 | 0.37 | 0.31 | 0.27 | 0.36 | 0.31 | 0.27 | 0.35 | 0.30 | 0.27 | 0.35 | 0.30 | 0.27 | 0.25 |
| 9 | 0.35 | 0.29 | 0.25 | 0.34 | 0.29 | 0.25 | 0.34 | 0.28 | 0.24 | 0.33 | 0.28 | 0.24 | 0.32 | 0.27 | 0.24 | 0.23 |
| 10 | 0.32 | 0.26 | 0.22 | 0.32 | 0.26 | 0.22 | 0.31 | 0.26 | 0.22 | 0.30 | 0.26 | 0.22 | 0.30 | 0.25 | 0.22 | 0.21 |



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 | 797.29 | 797.29 | 797.87 | 796.07 | 795.59 | 794.11 | 791.53 | 789.31 | 787.51 |
| 30.0 | 802.41 | 802.78 | 802.73 | 802.68 | 802.04 | 801.20 | 799.56 | 797.87 | 796.02 |
| 60.0 | 799.45 | 800.72 | 799.77 | 799.35 | 799.61 | 797.39 | 795.91 | 794.91 | 792.74 |
| 90.0 | 799.08 | 799.03 | 799.82 | 799.66 | 798.18 | 797.18 | 796.44 | 794.75 | 792.42 |
| 120.0 | 799.14 | 798.50 | 798.77 | 798.24 | 796.97 | 795.38 | 794.33 | 791.16 | 788.94 |
| 150.0 | 797.18 | 797.50 | 796.60 | 795.81 | 795.81 | 793.43 | 792.53 | 790.57 | 787.14 |
| 180.0 | 797.29 | 797.81 | 797.18 | 796.07 | 793.90 | 792.79 | 789.73 | 787.46 | 785.13 |
| 210.0 | 802.41 | 800.77 | 799.56 | 797.81 | 796.97 | 793.59 | 791.68 | 788.88 | 784.34 |
| 240.0 | 799.45 | 798.77 | 798.61 | 797.23 | 794.43 | 792.85 | 790.52 | 786.66 | 783.65 |
| 270.0 | 799.08 | 798.18 | 796.44 | 794.85 | 793.32 | 790.42 | 788.09 | 785.18 | 781.17 |
| 300.0 | 799.14 | 798.66 | 796.92 | 796.33 | 794.75 | 792.95 | 790.15 | 787.61 | 784.07 |
| 330.0 | 797.18 | 796.76 | 796.18 | 794.06 | 793.27 | 791.58 | 788.20 | 785.61 | 783.12 |
| 360.0 | 797.29 | 797.29 | 797.87 | 796.07 | 795.59 | 794.11 | 791.53 | 789.31 | 787.51 |
| C/ γ (°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
| 0.0 | 784.76 | 780.43 | 777.20 | 773.34 | 767.85 | 763.41 | 758.86 | 752.41 | 747.18 |
| 30.0 | 793.69 | 790.31 | 787.19 | 783.76 | 779.58 | 775.56 | 770.75 | 765.57 | 760.76 |
| 60.0 | 789.04 | 786.72 | 783.49 | 778.63 | 774.77 | 771.07 | 766.68 | 760.50 | 755.74 |
| 90.0 | 790.15 | 786.66 | 783.65 | 780.48 | 776.78 | 771.86 | 767.58 | 763.09 | 758.96 |
| 120.0 | 786.72 | 783.70 | 779.10 | 775.46 | 771.86 | 766.31 | 762.03 | 757.12 | 750.41 |
| 150.0 | 784.44 | 782.12 | 778.89 | 773.87 | 770.38 | 766.16 | 760.08 | 755.22 | 750.41 |
| 180.0 | 782.01 | 777.47 | 773.82 | 769.80 | 764.41 | 759.76 | 754.85 | 749.35 | 743.43 |
| 210.0 | 780.80 | 777.41 | 771.71 | 767.16 | 762.67 | 757.49 | 750.41 | 744.64 | 738.67 |
| 240.0 | 780.74 | 777.15 | 771.81 | 767.74 | 761.66 | 756.59 | 751.09 | 745.44 | 739.47 |
| 270.0 | 777.68 | 773.82 | 769.33 | 764.25 | 758.81 | 753.89 | 747.34 | 741.53 | 735.34 |
| 300.0 | 781.11 | 777.31 | 773.50 | 768.59 | 764.09 | 758.86 | 753.00 | 747.82 | 740.79 |
| 330.0 | 780.00 | 775.14 | 771.92 | 766.42 | 761.93 | 757.17 | 752.15 | 745.17 | 739.52 |
| 360.0 | 784.76 | 780.43 | 777.20 | 773.34 | 767.85 | 763.41 | 758.86 | 752.41 | 747.18 |
| C/ γ (°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
| 0.0 | 741.05 | 735.24 | 728.15 | 721.39 | 714.68 | 706.33 | 699.14 | 690.84 | 681.27 |
| 30.0 | 754.85 | 748.34 | 742.42 | 735.92 | 729.21 | 720.65 | 713.09 | 705.37 | 695.86 |
| 60.0 | 748.82 | 743.16 | 737.03 | 730.69 | 722.45 | 715.15 | 707.59 | 698.35 | 690.58 |
| 90.0 | 751.99 | 745.97 | 740.10 | 733.23 | 727.78 | 719.54 | 711.72 | 703.79 | 696.23 |
| 120.0 | 744.91 | 739.15 | 732.96 | 724.45 | 717.27 | 709.81 | 700.41 | 692.53 | 684.23 |
| 150.0 | 743.59 | 737.83 | 731.80 | 723.82 | 717.11 | 709.97 | 702.47 | 692.90 | 684.66 |
| 180.0 | 736.40 | 729.85 | 723.40 | 715.26 | 708.23 | 700.25 | 692.43 | 683.02 | 674.24 |
| 210.0 | 730.37 | 723.13 | 715.84 | 706.54 | 698.77 | 690.47 | 682.17 | 671.65 | 662.56 |
| 240.0 | 731.91 | 725.04 | 717.00 | 709.81 | 701.57 | 693.69 | 684.02 | 674.98 | 666.32 |
| 270.0 | 729.05 | 721.07 | 713.94 | 706.91 | 698.08 | 690.42 | 681.86 | 671.87 | 662.51 |
| 300.0 | 734.71 | 728.15 | 720.02 | 712.93 | 705.06 | 695.76 | 687.56 | 678.42 | 669.75 |
| 330.0 | 733.65 | 725.62 | 718.91 | 711.77 | 704.26 | 694.70 | 686.61 | 676.52 | 667.96 |
| 360.0 | 741.05 | 735.24 | 728.15 | 721.39 | 714.68 | 706.33 | 699.14 | 690.84 | 681.27 |
| C/ γ (°) | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 |
| 0.0 | 672.34 | 663.78 | 655.01 | 644.17 | 634.39 | 624.88 | 613.52 | 602.36 | 592.01 |
| 30.0 | 687.56 | 678.79 | 670.07 | 659.29 | 649.46 | 638.36 | 628.63 | 618.27 | 608.18 |
| 60.0 | 682.01 | 673.56 | 662.93 | 653.90 | 644.22 | 632.97 | 622.71 | 612.83 | 600.73 |
| 90.0 | 686.77 | 678.58 | 669.54 | 660.77 | 650.09 | 640.10 | 630.54 | 619.22 | 609.13 |
| 120.0 | 673.82 | 665.00 | 655.59 | 644.33 | 634.87 | 624.46 | 614.36 | 602.47 | 591.27 |
| 150.0 | 676.25 | 665.63 | 656.80 | 647.34 | 637.88 | 626.73 | 616.42 | 606.59 | 594.60 |
| 180.0 | 665.74 | 655.64 | 646.50 | 636.45 | 625.14 | 615.15 | 604.27 | 592.27 | 581.86 |
| 210.0 | 653.42 | 642.11 | 632.60 | 622.29 | 610.29 | 600.09 | 589.10 | 576.57 | 565.90 |
| 240.0 | 655.75 | 646.60 | 636.56 | 627.15 | 616.05 | 605.48 | 593.70 | 583.39 | 571.87 |
| 270.0 | 653.47 | 642.53 | 632.91 | 622.24 | 612.25 | 600.36 | 589.10 | 578.58 | 566.27 |
| 300.0 | 659.45 | 649.25 | 640.15 | 628.79 | 619.28 | 608.97 | 598.77 | 586.67 | 575.20 |
| 330.0 | 659.08 | 649.83 | 640.63 | 629.21 | 619.07 | 607.17 | 597.08 | 586.46 | 576.10 |
| 360.0 | 672.34 | 663.78 | 655.01 | 644.17 | 634.39 | 624.88 | 613.52 | 602.36 | 592.01 |

Intensity data(cd)

Page: 18 Total:19

| C/γ(°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0 | 580.06 | 569.38 | 557.55 | 544.91 | 533.92 | 521.82 | 510.66 | 497.82 | 486.35 |
| 30.0 | 596.02 | 585.66 | 574.09 | 561.35 | 550.25 | 538.04 | 526.63 | 513.20 | 500.46 |
| 60.0 | 590.68 | 579.95 | 569.44 | 556.49 | 544.75 | 533.55 | 520.18 | 508.71 | 496.24 |
| 90.0 | 598.14 | 587.83 | 575.62 | 563.83 | 551.15 | 540.00 | 527.79 | 516.48 | 503.16 |
| 120.0 | 580.96 | 568.54 | 557.65 | 545.71 | 532.33 | 520.81 | 508.34 | 494.54 | 482.92 |
| 150.0 | 584.39 | 573.08 | 560.56 | 548.88 | 537.83 | 524.57 | 512.99 | 500.52 | 488.89 |
| 180.0 | 570.55 | 559.98 | 547.45 | 535.24 | 523.88 | 510.61 | 499.04 | 486.14 | 474.35 |
| 210.0 | 554.27 | 543.22 | 529.96 | 517.96 | 506.44 | 492.59 | 480.91 | 468.22 | 456.17 |
| 240.0 | 561.03 | 548.51 | 537.57 | 525.46 | 512.36 | 501.05 | 488.73 | 477.37 | 463.57 |
| 270.0 | 555.48 | 543.33 | 530.64 | 519.49 | 506.70 | 493.65 | 483.55 | 470.39 | 456.97 |
| 300.0 | 562.46 | 551.57 | 539.63 | 528.42 | 515.42 | 504.06 | 491.48 | 478.48 | 466.85 |
| 330.0 | 563.46 | 552.74 | 541.21 | 528.21 | 517.06 | 505.01 | 493.54 | 480.06 | 467.27 |
| 360.0 | 580.06 | 569.38 | 557.55 | 544.91 | 533.92 | 521.82 | 510.66 | 497.82 | 486.35 |
| C/γ(°) | 45.0 | 46.0 | 47.0 | 48.0 | 49.0 | 50.0 | 51.0 | 52.0 | 53.0 |
| 0.0 | 473.56 | 459.77 | 446.61 | 434.61 | 420.39 | 408.08 | 394.60 | 382.39 | 368.33 |
| 30.0 | 488.94 | 475.46 | 463.57 | 450.25 | 438.10 | 424.41 | 410.51 | 396.40 | 384.03 |
| 60.0 | 482.55 | 469.86 | 458.02 | 444.02 | 432.02 | 419.65 | 405.96 | 391.43 | 377.95 |
| 90.0 | 490.84 | 479.32 | 465.58 | 453.69 | 440.74 | 428.53 | 414.21 | 400.52 | 386.35 |
| 120.0 | 470.18 | 458.29 | 444.39 | 432.65 | 419.81 | 405.49 | 392.96 | 379.33 | 367.06 |
| 150.0 | 475.15 | 462.46 | 450.47 | 436.41 | 424.36 | 410.98 | 396.40 | 383.92 | 370.60 |
| 180.0 | 460.98 | 447.51 | 435.56 | 422.19 | 408.71 | 396.19 | 381.81 | 369.28 | 355.17 |
| 210.0 | 442.11 | 429.01 | 414.90 | 402.58 | 390.16 | 376.84 | 362.41 | 350.10 | 336.41 |
| 240.0 | 450.47 | 438.26 | 423.99 | 411.62 | 398.09 | 383.55 | 371.29 | 357.76 | 345.34 |
| 270.0 | 443.70 | 430.06 | 418.07 | 404.32 | 379.64 | 378.06 | 365.79 | 351.89 | 337.62 |
| 300.0 | 453.58 | 441.59 | 427.95 | 414.58 | 400.52 | 388.20 | 376.05 | 362.57 | 350.52 |
| 330.0 | 453.43 | 441.53 | 428.48 | 416.38 | 402.10 | 389.84 | 376.74 | 362.47 | 350.15 |
| 360.0 | 473.56 | 459.77 | 446.61 | 434.61 | 420.39 | 408.08 | 394.60 | 382.39 | 368.33 |
| C/γ(°) | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
| 0.0 | 355.07 | 342.70 | 328.16 | 315.64 | 301.79 | 287.20 | 273.36 | 260.83 | 246.45 |
| 30.0 | 370.39 | 358.13 | 344.55 | 332.34 | 318.65 | 304.64 | 292.44 | 278.53 | 265.00 |
| 60.0 | 365.64 | 351.10 | 338.73 | 325.20 | 312.84 | 298.83 | 285.56 | 273.30 | 259.14 |
| 90.0 | 374.04 | 360.56 | 348.25 | 334.03 | 321.56 | 307.82 | 293.39 | 280.81 | 267.22 |
| 120.0 | 353.11 | 339.74 | 327.48 | 313.47 | 301.37 | 288.26 | 276.37 | 262.57 | 249.31 |
| 150.0 | 356.39 | 344.13 | 330.86 | 318.70 | 304.54 | 291.06 | 278.85 | 264.90 | 252.74 |
| 180.0 | 341.06 | 328.48 | 314.47 | 301.79 | 287.73 | 273.83 | 261.67 | 247.77 | 235.30 |
| 210.0 | 322.09 | 309.77 | 296.19 | 283.82 | 269.87 | 256.18 | 242.12 | 229.91 | 217.81 |
| 240.0 | 331.39 | 317.96 | 305.44 | 290.90 | 277.27 | 264.95 | 250.79 | 238.31 | 224.68 |
| 270.0 | 323.67 | 311.25 | 298.67 | 284.40 | 270.66 | 258.29 | 243.92 | 230.07 | 217.91 |
| 300.0 | 336.88 | 323.51 | 309.77 | 297.51 | 283.71 | 271.51 | 257.92 | 245.66 | 232.02 |
| 330.0 | 336.67 | 324.31 | 310.25 | 297.93 | 284.61 | 270.61 | 257.13 | 244.81 | 232.82 |
| 360.0 | 355.07 | 342.70 | 328.16 | 315.64 | 301.79 | 287.20 | 273.36 | 260.83 | 246.45 |
| C/γ(°) | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
| 0.0 | 234.24 | 222.09 | 208.98 | 195.34 | 182.13 | 170.13 | 156.92 | 145.35 | 132.71 |
| 30.0 | 252.85 | 240.64 | 227.00 | 213.79 | 201.95 | 188.63 | 175.58 | 162.58 | 151.21 |
| 60.0 | 246.77 | 233.13 | 219.23 | 205.91 | 193.81 | 180.18 | 168.50 | 155.81 | 144.61 |
| 90.0 | 254.86 | 240.59 | 226.95 | 214.74 | 200.95 | 187.73 | 175.84 | 162.47 | 151.11 |
| 120.0 | 235.41 | 223.30 | 211.46 | 198.30 | 184.83 | 173.20 | 160.57 | 147.88 | 135.78 |
| 150.0 | 239.37 | 227.27 | 213.53 | 200.31 | 186.94 | 175.31 | 163.69 | 150.95 | 138.10 |
| 180.0 | 221.08 | 208.77 | 195.08 | 181.34 | 168.13 | 156.50 | 143.44 | 132.34 | 120.24 |
| 210.0 | 204.49 | 192.44 | 179.01 | 166.06 | 153.11 | 141.80 | 129.28 | 118.23 | 106.02 |
| 240.0 | 210.94 | 199.04 | 186.15 | 174.47 | 161.04 | 149.47 | 136.62 | 123.83 | 111.68 |
| 270.0 | 204.22 | 192.07 | 178.80 | 165.38 | 153.91 | 141.17 | 129.97 | 117.44 | 106.71 |
| 300.0 | 218.76 | 207.08 | 194.18 | 182.71 | 169.71 | 156.66 | 144.02 | 132.77 | 120.40 |
| 330.0 | 219.13 | 205.86 | 192.17 | 180.39 | 167.28 | 155.76 | 142.81 | 131.55 | 119.08 |
| 360.0 | 234.24 | 222.09 | 208.98 | 195.34 | 182.13 | 170.13 | 156.92 | 145.35 | 132.71 |

Intensity data(cd)

| | | | | | | | | | |
|-----------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| C/ γ (°) | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
| 0.0 | 121.61 | 109.25 | 97.78 | 87.79 | 77.01 | 67.86 | 57.98 | 48.78 | 40.33 |
| 30.0 | 138.69 | 127.64 | 115.27 | 104.60 | 92.70 | 80.97 | 70.88 | 59.99 | 50.74 |
| 60.0 | 131.97 | 119.61 | 108.61 | 96.56 | 86.31 | 74.95 | 64.06 | 54.86 | 45.24 |
| 90.0 | 138.53 | 125.90 | 115.06 | 103.22 | 92.97 | 81.76 | 72.25 | 62.10 | 52.48 |
| 120.0 | 124.84 | 113.95 | 101.64 | 91.07 | 79.49 | 68.13 | 57.29 | 48.15 | 38.64 |
| 150.0 | 126.85 | 114.69 | 102.69 | 92.18 | 80.71 | 70.88 | 60.25 | 50.42 | 42.12 |
| 180.0 | 109.46 | 97.67 | 86.26 | 76.37 | 65.75 | 56.82 | 47.51 | 39.01 | 32.40 |
| 210.0 | 95.24 | 83.45 | 71.93 | 61.84 | 51.11 | 42.28 | 33.98 | 28.06 | 23.94 |
| 240.0 | 101.00 | 89.06 | 78.91 | 68.13 | 58.88 | 49.21 | 40.12 | 33.24 | 27.48 |
| 270.0 | 95.14 | 83.77 | 73.04 | 63.85 | 54.12 | 46.19 | 38.11 | 31.82 | 26.16 |
| 300.0 | 109.51 | 97.62 | 87.21 | 75.69 | 64.80 | 55.39 | 45.40 | 37.37 | 30.50 |
| 330.0 | 106.76 | 96.19 | 84.72 | 74.73 | 64.00 | 54.86 | 45.35 | 36.73 | 29.91 |
| 360.0 | 121.61 | 109.25 | 97.78 | 87.79 | 77.01 | 67.86 | 57.98 | 48.78 | 40.33 |
| C/ γ (°) | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
| 0.0 | 33.67 | 27.80 | 22.94 | 19.82 | 17.28 | 14.27 | 11.68 | 9.20 | 6.55 |
| 30.0 | 41.12 | 32.50 | 27.01 | 22.94 | 20.45 | 17.86 | 15.12 | 12.47 | 9.83 |
| 60.0 | 37.00 | 30.55 | 25.37 | 21.78 | 19.13 | 16.54 | 13.90 | 11.26 | 8.62 |
| 90.0 | 43.87 | 36.36 | 29.81 | 24.26 | 20.08 | 17.28 | 14.80 | 12.47 | 9.62 |
| 120.0 | 31.02 | 25.90 | 22.09 | 19.71 | 17.12 | 14.38 | 11.79 | 9.62 | 6.92 |
| 150.0 | 34.09 | 27.85 | 23.36 | 20.08 | 17.60 | 14.96 | 12.37 | 9.62 | 7.19 |
| 180.0 | 26.64 | 22.57 | 19.45 | 16.65 | 14.01 | 11.57 | 8.93 | 6.55 | 4.12 |
| 210.0 | 21.62 | 19.03 | 15.96 | 13.32 | 10.57 | 8.03 | 5.44 | 3.70 | 3.65 |
| 240.0 | 23.36 | 20.61 | 17.71 | 15.01 | 12.05 | 9.41 | 6.71 | 4.33 | 3.75 |
| 270.0 | 22.20 | 19.19 | 16.33 | 13.74 | 10.99 | 8.30 | 5.71 | 3.81 | 3.75 |
| 300.0 | 25.26 | 22.46 | 19.50 | 16.97 | 14.01 | 11.31 | 8.67 | 6.13 | 3.91 |
| 330.0 | 25.26 | 22.09 | 19.45 | 16.70 | 14.01 | 11.36 | 8.62 | 6.13 | 3.86 |
| 360.0 | 33.67 | 27.80 | 22.94 | 19.82 | 17.28 | 14.27 | 11.68 | 9.20 | 6.55 |
| C/ γ (°) | 90.0 | | | | | | | | |
| 0.0 | 4.12 | | | | | | | | |
| 30.0 | 7.45 | | | | | | | | |
| 60.0 | 7.40 | | | | | | | | |
| 90.0 | 7.14 | | | | | | | | |
| 120.0 | 5.81 | | | | | | | | |
| 150.0 | 4.70 | | | | | | | | |
| 180.0 | 3.65 | | | | | | | | |
| 210.0 | 3.65 | | | | | | | | |
| 240.0 | 3.59 | | | | | | | | |
| 270.0 | 3.81 | | | | | | | | |
| 300.0 | 3.75 | | | | | | | | |
| 330.0 | 3.81 | | | | | | | | |
| 360.0 | 4.12 | | | | | | | | |