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NT

LumCAT: 3-2806-L  
Luminaire: 92.70.412.00  
LampCAT: P2141-036-1206-P3090-1  
Ballast type: AC  
Report No: 2024227-B020  
Test No: 2024227-C020  
Number of Lamps: 1  
Lamp flux(lm): 3316.0  
Length(mm): 0  
Phm Type: C  
Voltage(V): 35.9700  
Current(A): 0.7010  
Power (W): 25.2140  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

### Photometric Results

Lumens(lm): 2775.50, Efficiency(%): 83.70% , Luminous Efficacy(lm/W): 110.08  
Central intensity(cd): 9484.508, Maximum intensity(cd): 9484.508  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=23.8  
[C90/270]Total=23.8  
Field angle(10%Imax): [C0/180]Total=58.8  
[C90/270]Total=58.8  
Maximum s/h(1/2): C0\_180=0.40 C90\_270=0.40  
Maximum s/h(1/4): C0\_180=0.46 C90\_270=0.46  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 83.70%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.795%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/2/27  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0                | 9484.507      | 0.000       | 0         | 0.00%       | 0.00%      |
| 1.0                | 9418.597      | 9.045       | 9.045     | 0.27%       | 0.33%      |
| 2.0                | 9244.273      | 26.787      | 35.832    | 0.81%       | 1.29%      |
| 3.0                | 8971.119      | 43.565      | 79.397    | 1.31%       | 2.86%      |
| 4.0                | 8602.061      | 58.823      | 138.22    | 1.77%       | 4.98%      |
| 5.0                | 8163.435      | 72.124      | 210.344   | 2.18%       | 7.58%      |
| 6.0                | 7657.508      | 83.143      | 293.487   | 2.51%       | 10.57%     |
| 7.0                | 7140.974      | 91.854      | 385.341   | 2.77%       | 13.88%     |
| 8.0                | 6613.979      | 98.442      | 483.783   | 2.97%       | 17.43%     |
| 9.0                | 6101.834      | 103.055     | 586.838   | 3.11%       | 21.14%     |
| 10.0               | 5612.366      | 106.009     | 692.847   | 3.20%       | 24.96%     |
| 11.0               | 5140.309      | 107.441     | 800.288   | 3.24%       | 28.83%     |
| 12.0               | 4695.026      | 107.514     | 907.802   | 3.24%       | 32.71%     |
| 13.0               | 4302.706      | 106.780     | 1014.583  | 3.22%       | 36.55%     |
| 14.0               | 3943.597      | 105.552     | 1120.135  | 3.18%       | 40.36%     |
| 15.0               | 3609.799      | 103.696     | 1223.831  | 3.13%       | 44.09%     |
| 16.0               | 3307.092      | 101.352     | 1325.183  | 3.06%       | 47.75%     |
| 17.0               | 3034.670      | 98.758      | 1423.941  | 2.98%       | 51.30%     |
| 18.0               | 2794.947      | 96.118      | 1520.059  | 2.90%       | 54.77%     |
| 19.0               | 2566.782      | 93.283      | 1613.342  | 2.81%       | 58.13%     |
| 20.0               | 2360.490      | 90.183      | 1703.525  | 2.72%       | 61.38%     |
| 21.0               | 2169.780      | 86.990      | 1790.515  | 2.62%       | 64.51%     |
| 22.0               | 1988.360      | 83.560      | 1874.075  | 2.52%       | 67.52%     |
| 23.0               | 1809.135      | 79.682      | 1953.757  | 2.40%       | 70.39%     |
| 24.0               | 1630.905      | 75.212      | 2028.968  | 2.27%       | 73.10%     |
| 25.0               | 1470.824      | 70.527      | 2099.495  | 2.13%       | 75.64%     |
| 26.0               | 1334.745      | 66.226      | 2165.721  | 2.00%       | 78.03%     |
| 27.0               | 1205.439      | 62.146      | 2227.867  | 1.87%       | 80.27%     |
| 28.0               | 1101.547      | 58.408      | 2286.275  | 1.76%       | 82.37%     |
| 29.0               | 993.610       | 54.815      | 2341.09   | 1.65%       | 84.35%     |
| 30.0               | 888.606       | 50.819      | 2391.909  | 1.53%       | 86.18%     |
| 31.0               | 769.863       | 46.153      | 2438.062  | 1.39%       | 87.84%     |
| 32.0               | 648.715       | 40.641      | 2478.703  | 1.23%       | 89.31%     |
| 33.0               | 539.219       | 34.997      | 2513.7    | 1.06%       | 90.57%     |
| 34.0               | 433.652       | 29.442      | 2543.142  | 0.89%       | 91.63%     |
| 35.0               | 337.945       | 23.963      | 2567.105  | 0.72%       | 92.49%     |
| 36.0               | 271.574       | 19.407      | 2586.512  | 0.59%       | 93.19%     |
| 37.0               | 205.121       | 15.547      | 2602.059  | 0.47%       | 93.75%     |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0               | 160.769       | 12.213      | 2614.272  | 0.37%       | 94.19%     |
| 39.0               | 129.174       | 9.897       | 2624.168  | 0.30%       | 94.55%     |
| 40.0               | 96.599        | 7.874       | 2632.043  | 0.24%       | 94.83%     |
| 41.0               | 87.989        | 6.573       | 2638.616  | 0.20%       | 95.07%     |
| 42.0               | 80.732        | 6.130       | 2644.746  | 0.18%       | 95.29%     |
| 43.0               | 74.002        | 5.732       | 2650.477  | 0.17%       | 95.50%     |
| 44.0               | 67.967        | 5.358       | 2655.836  | 0.16%       | 95.69%     |
| 45.0               | 62.685        | 5.021       | 2660.857  | 0.15%       | 95.87%     |
| 46.0               | 58.142        | 4.725       | 2665.582  | 0.14%       | 96.04%     |
| 47.0               | 53.914        | 4.457       | 2670.039  | 0.13%       | 96.20%     |
| 48.0               | 50.461        | 4.219       | 2674.258  | 0.13%       | 96.35%     |
| 49.0               | 47.008        | 4.003       | 2678.261  | 0.12%       | 96.50%     |
| 50.0               | 44.375        | 3.810       | 2682.071  | 0.11%       | 96.63%     |
| 51.0               | 42.012        | 3.655       | 2685.726  | 0.11%       | 96.77%     |
| 52.0               | 39.839        | 3.512       | 2689.238  | 0.11%       | 96.89%     |
| 53.0               | 37.974        | 3.385       | 2692.623  | 0.10%       | 97.01%     |
| 54.0               | 36.503        | 3.283       | 2695.905  | 0.10%       | 97.13%     |
| 55.0               | 35.143        | 3.198       | 2699.104  | 0.10%       | 97.25%     |
| 56.0               | 34.053        | 3.127       | 2702.23   | 0.09%       | 97.36%     |
| 57.0               | 33.146        | 3.072       | 2705.303  | 0.09%       | 97.47%     |
| 58.0               | 32.451        | 3.033       | 2708.336  | 0.09%       | 97.58%     |
| 59.0               | 31.690        | 2.999       | 2711.335  | 0.09%       | 97.69%     |
| 60.0               | 30.973        | 2.960       | 2714.295  | 0.09%       | 97.79%     |
| 61.0               | 30.007        | 2.910       | 2717.205  | 0.09%       | 97.90%     |
| 62.0               | 29.027        | 2.845       | 2720.05   | 0.09%       | 98.00%     |
| 63.0               | 27.871        | 2.767       | 2722.817  | 0.08%       | 98.10%     |
| 64.0               | 26.577        | 2.672       | 2725.489  | 0.08%       | 98.20%     |
| 65.0               | 25.516        | 2.578       | 2728.067  | 0.08%       | 98.29%     |
| 66.0               | 24.455        | 2.493       | 2730.56   | 0.08%       | 98.38%     |
| 67.0               | 23.453        | 2.409       | 2732.969  | 0.07%       | 98.47%     |
| 68.0               | 22.692        | 2.338       | 2735.307  | 0.07%       | 98.55%     |
| 69.0               | 22.246        | 2.293       | 2737.599  | 0.07%       | 98.63%     |
| 70.0               | 21.887        | 2.267       | 2739.866  | 0.07%       | 98.72%     |
| 71.0               | 21.368        | 2.236       | 2742.102  | 0.07%       | 98.80%     |
| 72.0               | 21.017        | 2.204       | 2744.305  | 0.07%       | 98.88%     |
| 73.0               | 20.885        | 2.191       | 2746.497  | 0.07%       | 98.96%     |
| 74.0               | 20.198        | 2.160       | 2748.656  | 0.07%       | 99.03%     |
| 75.0               | 19.656        | 2.106       | 2750.762  | 0.06%       | 99.11%     |

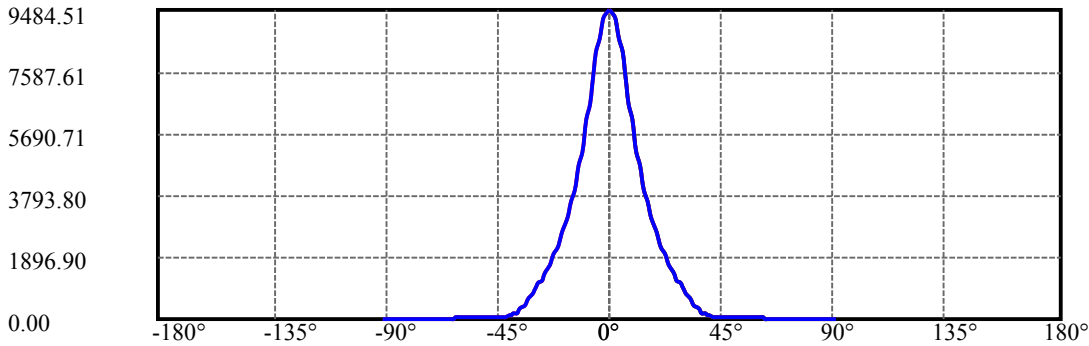
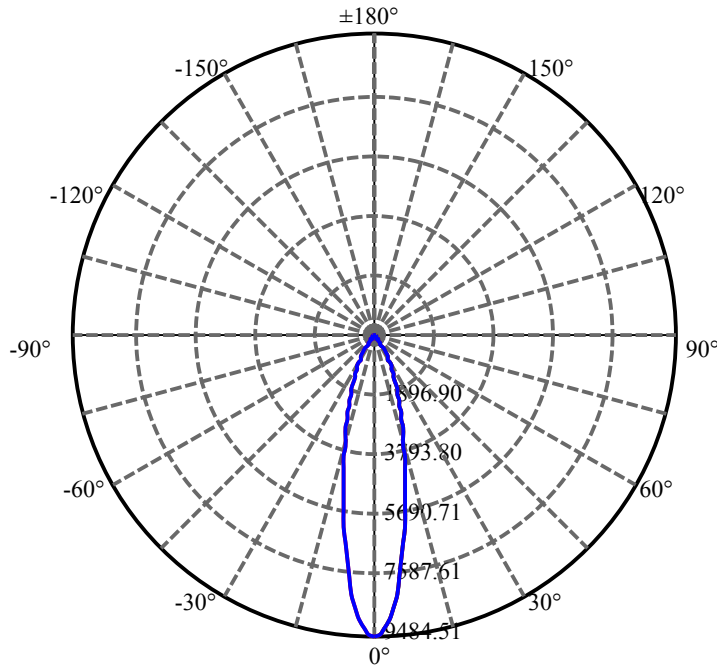
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0               | 19.451        | 2.076       | 2752.838  | 0.06%       | 99.18%     |
| 77.0               | 18.852        | 2.042       | 2754.88   | 0.06%       | 99.26%     |
| 78.0               | 18.420        | 1.995       | 2756.875  | 0.06%       | 99.33%     |
| 79.0               | 17.674        | 1.939       | 2758.815  | 0.06%       | 99.40%     |
| 80.0               | 16.847        | 1.861       | 2760.676  | 0.06%       | 99.47%     |
| 81.0               | 15.677        | 1.759       | 2762.435  | 0.05%       | 99.53%     |
| 82.0               | 14.843        | 1.655       | 2764.09   | 0.05%       | 99.59%     |
| 83.0               | 14.184        | 1.578       | 2765.668  | 0.05%       | 99.65%     |
| 84.0               | 13.621        | 1.515       | 2767.182  | 0.05%       | 99.70%     |
| 85.0               | 13.248        | 1.466       | 2768.649  | 0.04%       | 99.75%     |
| 86.0               | 12.853        | 1.427       | 2770.076  | 0.04%       | 99.80%     |
| 87.0               | 12.516        | 1.388       | 2771.464  | 0.04%       | 99.85%     |
| 88.0               | 12.312        | 1.360       | 2772.824  | 0.04%       | 99.90%     |
| 89.0               | 12.187        | 1.343       | 2774.167  | 0.04%       | 99.95%     |
| 90.0               | 12.136        | 1.334       | 2775.501  | 0.04%       | 100.00%    |

ZONAL LUMEN SUMMARY

| Zone    | Lumens  | %Lamp  | %Fixt   |
|---------|---------|--------|---------|
| 0-30    | 2391.91 | 72.13% | 86.18%  |
| 0-40    | 2632.04 | 79.37% | 94.83%  |
| 0-60    | 2714.30 | 81.85% | 97.79%  |
| 0-90    | 2774.17 | 83.66% | 99.95%  |
| 0-120   | 2774.17 | 83.66% | 99.95%  |
| 0-180   | 2775.50 | 83.70% | 100.00% |
| 60-90   | 59.87   | 1.81%  | 2.16%   |
| 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%   |
| 0-26.88 | 2220.40 | 66.96% | 80.00%  |

ZONAL LUMEN SUMMARY

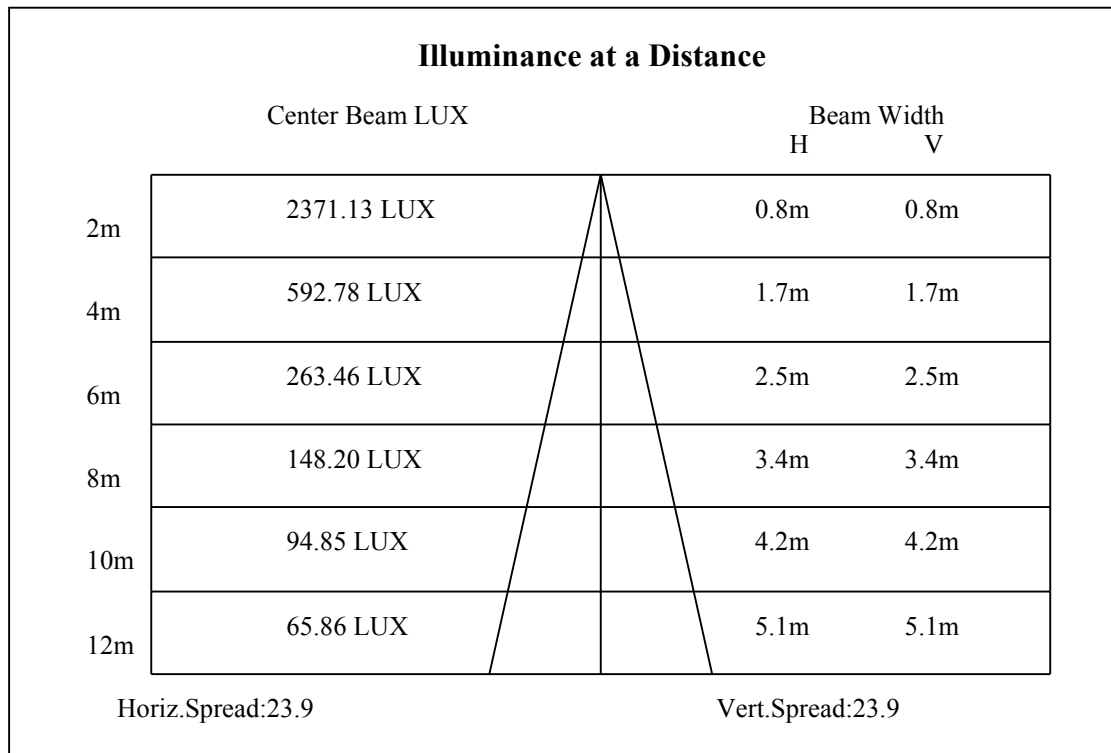
|         |         |
|---------|---------|
| 0-10    | 692.85  |
| 10-20   | 1010.68 |
| 20-30   | 688.38  |
| 30-40   | 240.13  |
| 40-50   | 50.03   |
| 50-60   | 32.22   |
| 60-70   | 25.57   |
| 70-80   | 20.81   |
| 80-90   | 13.49   |
| 90-100  | 0.00    |
| 100-110 | 0.00    |
| 110-120 | 0.00    |
| 120-130 | 0.00    |
| 130-140 | 0.00    |
| 140-150 | 0.00    |
| 150-160 | 0.00    |
| 160-170 | 0.00    |
| 170-180 | 0.00    |

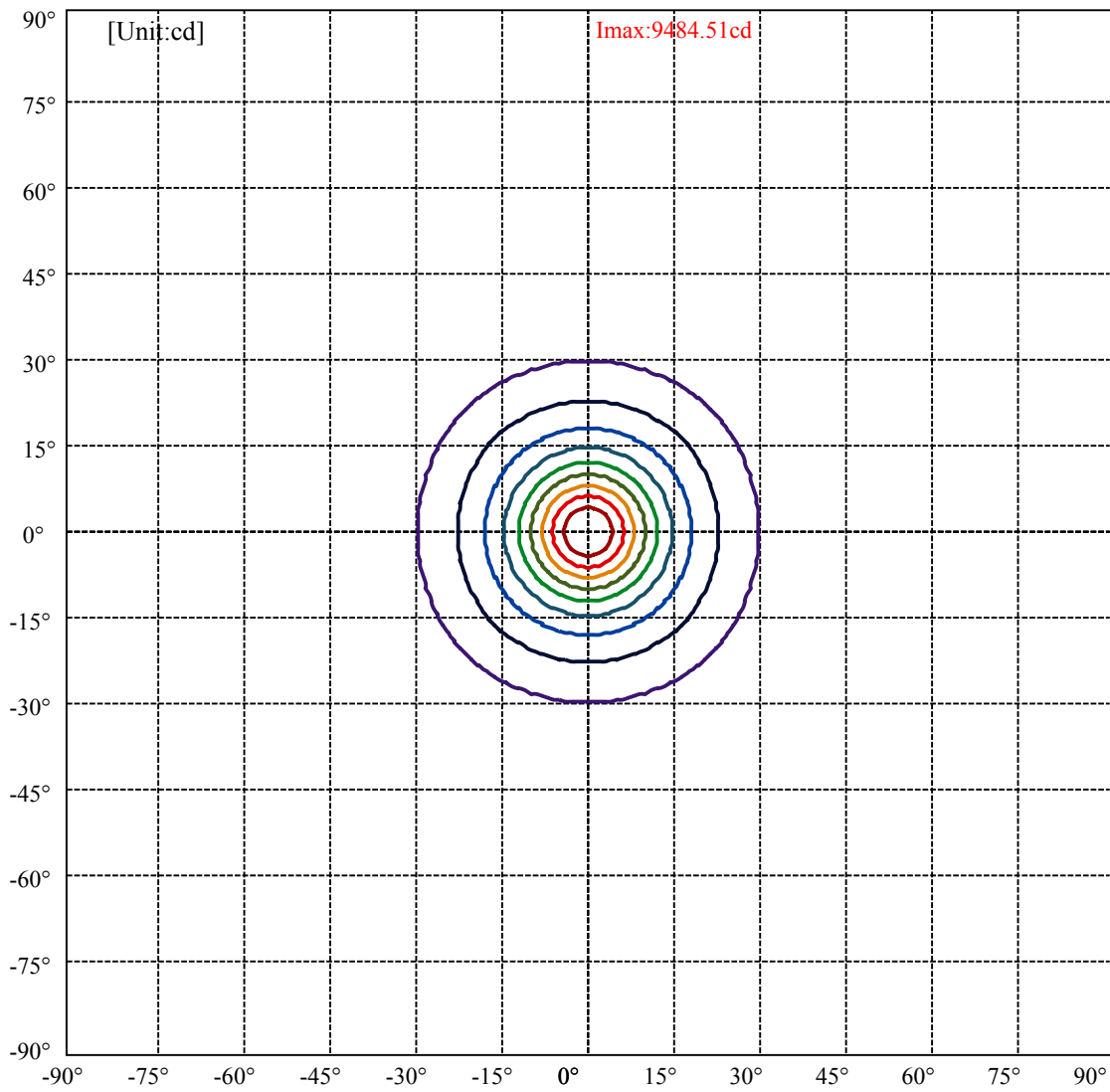


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:29.4 Right:29.4  
:C90/270Left:29.4 Right:29.4

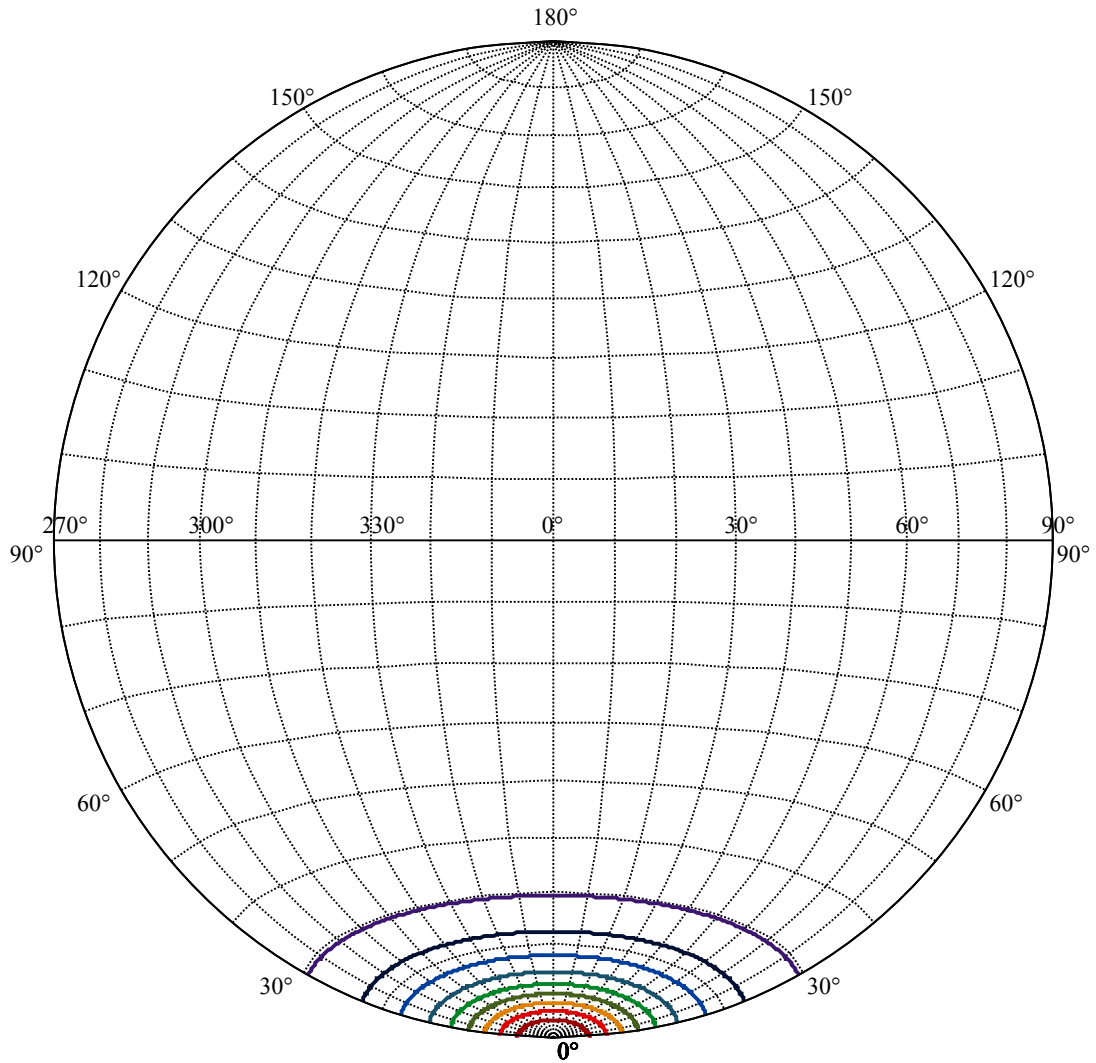
Beam Angle(50%Imax):C0/180Left:11.9 Right:11.9  
:C90/270Left:11.9 Right:11.9





|                   |   |
|-------------------|---|
| (10%Imax) 948.451 | — |
| (20%Imax) 1896.9  | — |
| (30%Imax) 2845.35 | — |
| (40%Imax) 3793.8  | — |
| (50%Imax) 4742.25 | — |
| (60%Imax) 5690.7  | — |
| (70%Imax) 6639.16 | — |
| (80%Imax) 7587.61 | — |
| (90%Imax) 8536.06 | — |





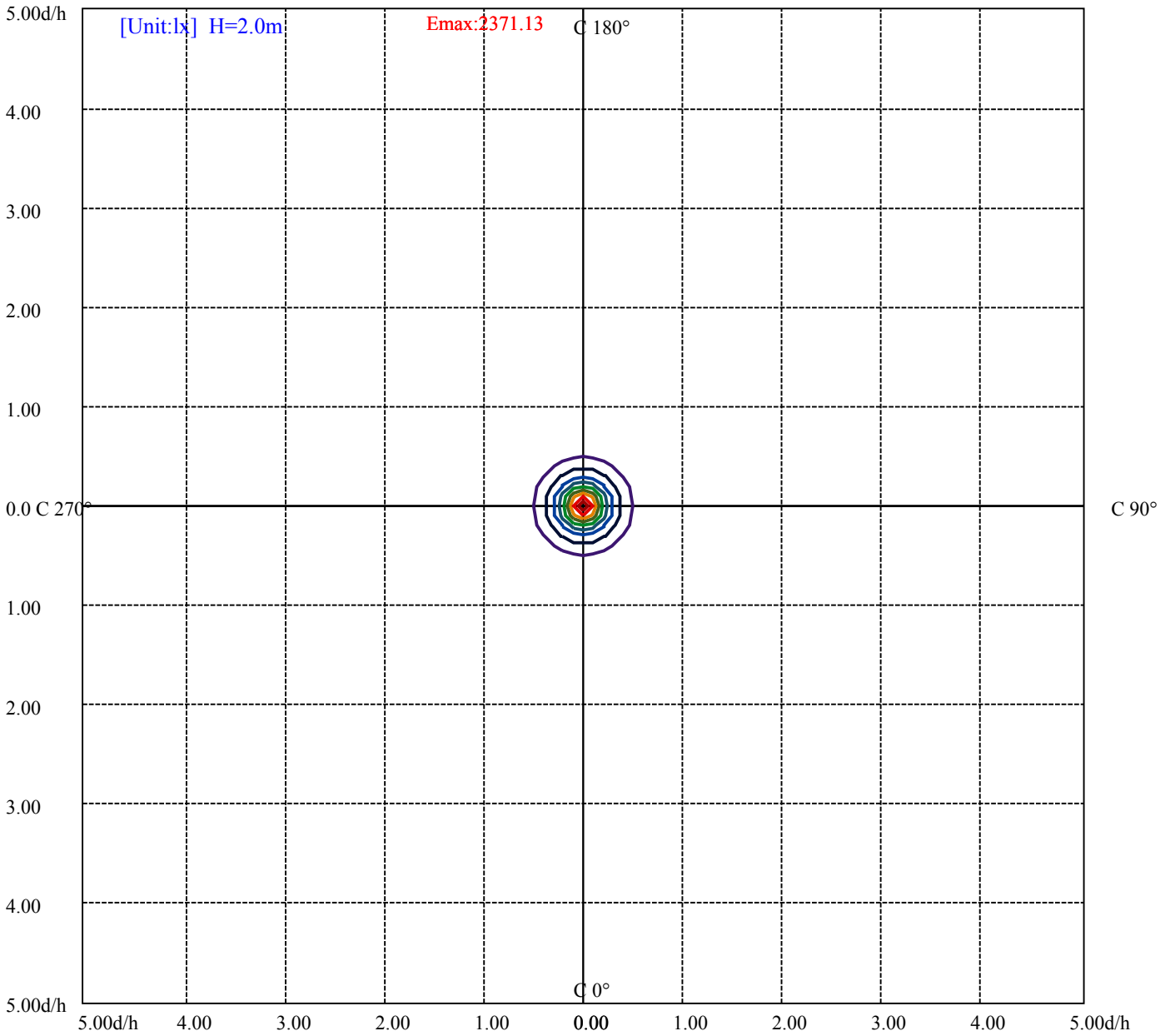
House

[Unit:cd]

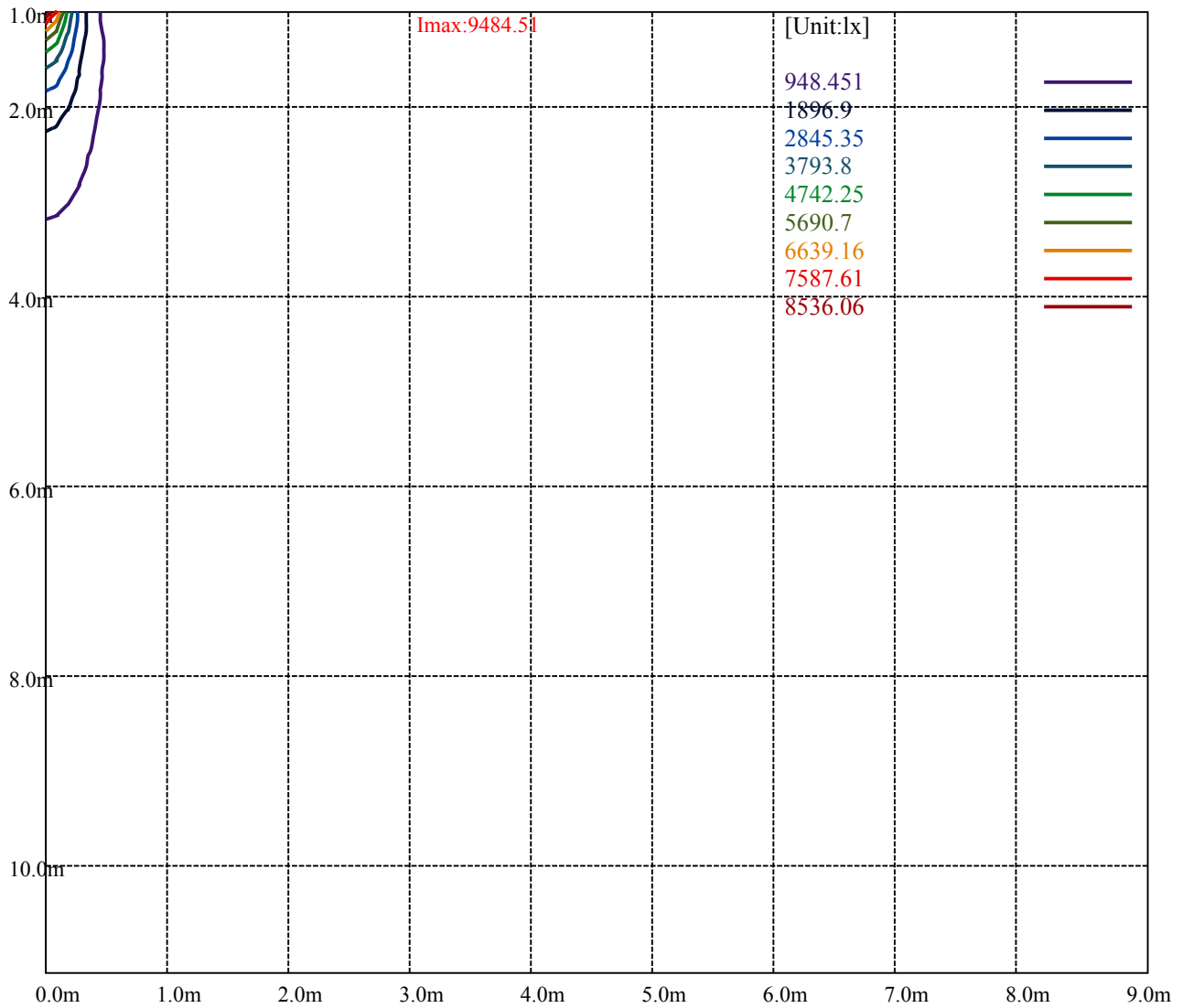
Road

Imax:9484.51

|           |         |   |
|-----------|---------|---|
| (10%Imax) | 948.451 | — |
| (20%Imax) | 1896.9  | — |
| (30%Imax) | 2845.35 | — |
| (40%Imax) | 3793.8  | — |
| (50%Imax) | 4742.25 | — |
| (60%Imax) | 5690.7  | — |
| (70%Imax) | 6639.16 | — |
| (80%Imax) | 7587.61 | — |
| (90%Imax) | 8536.06 | — |



- (10%Emax) 237.1125 ———
- (20%Emax) 474.225 ———
- (30%Emax) 711.3375 ———
- (40%Emax) 948.45 ———
- (50%Emax) 1185.563 ———
- (60%Emax) 1422.675 ———
- (70%Emax) 1659.787 ———
- (80%Emax) 1896.9 ———
- (90%Emax) 2134.012 ———



Luminance Table

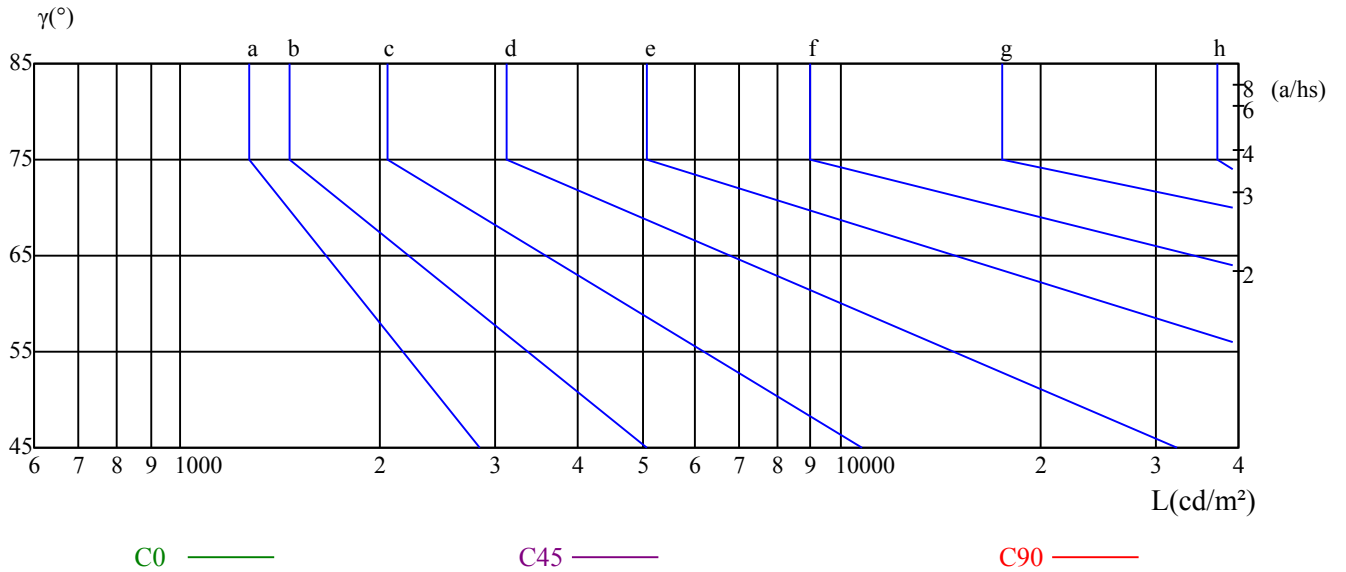
| $\gamma$ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|----|----|----|----|----|----|----|----|
| C0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| C45      | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| C90      | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| 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

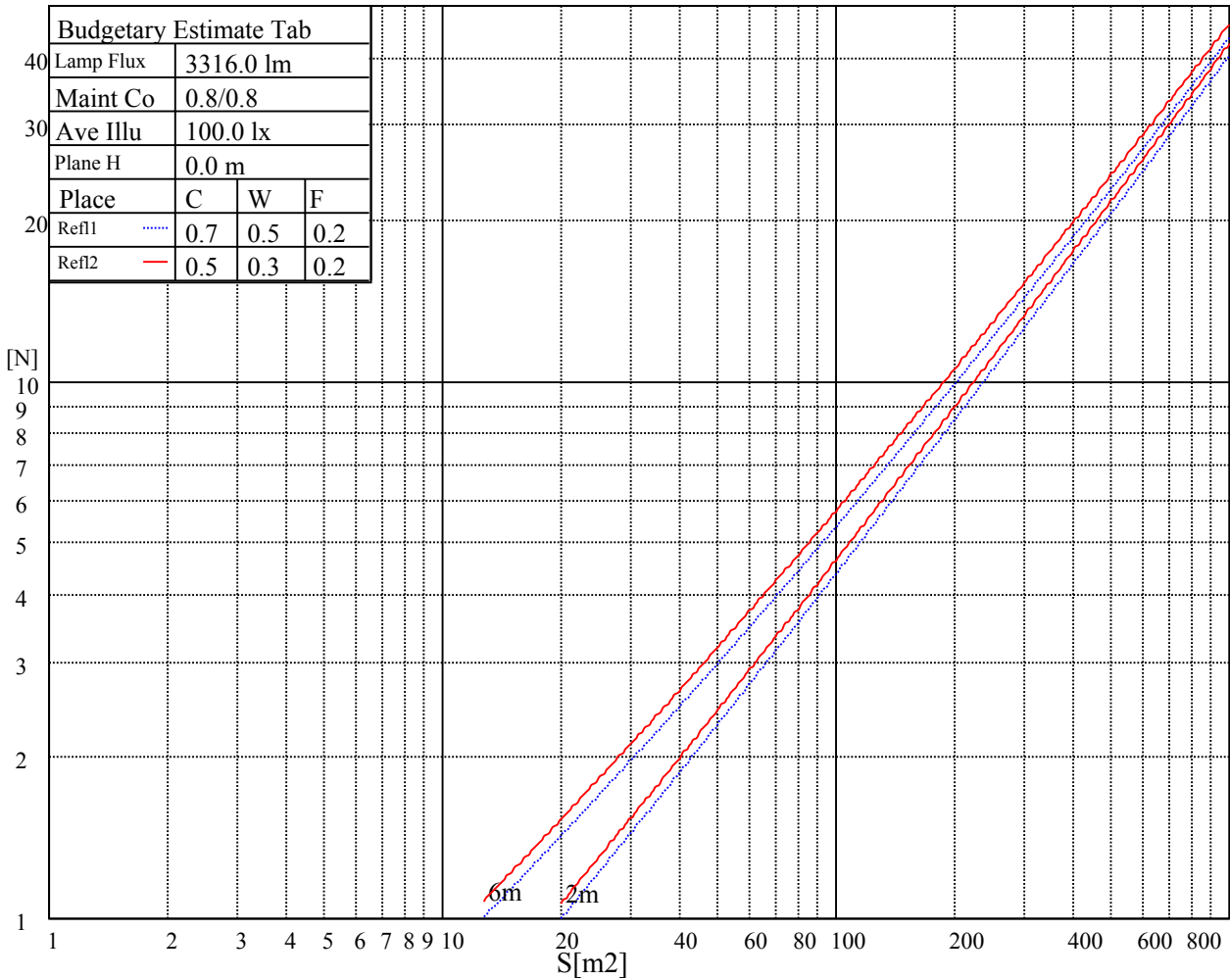
| Glare | Quality | Service Values Illuminance(lx) |      |      |       |       |       |       |       |
|-------|---------|--------------------------------|------|------|-------|-------|-------|-------|-------|
| 1.15  | A       | 2000                           | 1000 | 500  | <=300 |       |    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

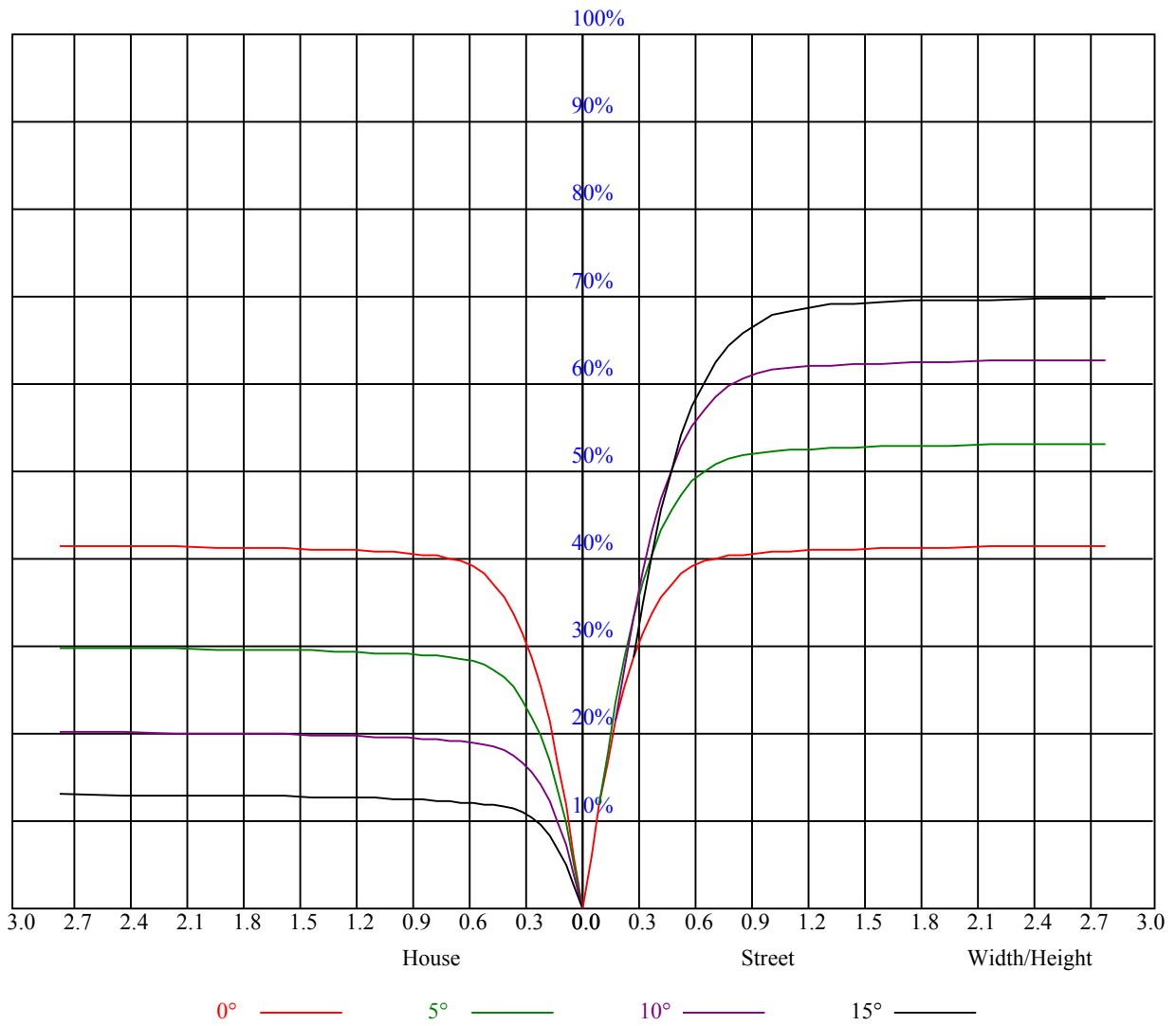


| Illumination assessment according UGR             |     |                  |     |     |     |     |                |     |     |     |     |
|---|-----|------------------|-----|-----|-----|-----|----------------|-----|-----|-----|-----|
| Rf of Ceiling                                     | 70  | 70               | 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  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 3H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 4H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 6H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 8H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 12H | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
| 4H  | 2H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 3H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 4H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 6H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 8H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
| 8H  | 12H | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 4H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 6H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 8H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
| 12H   | 12H | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 4H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 6H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
|   | 8H  | 非数字              | 非数字 | 非数字 | 非数字 | 非数字 | 非数字            | 非数字 | 非数字 | 非数字 | 非数字 |
| Variation with the observer position at spacings: |     |                  |     |     |     |     |                |     |     |     |     |
| S = 1.0H  |     | 非数字/非数字          |     |     |     |     | 非数字/非数字        |     |     |     |     |
| S = 1.5H  |     | 非数字/非数字          |     |     |     |     | 非数字/非数字        |     |     |     |     |
| S = 2.0H  |     | 非数字/非数字          |     |     |     |     | 非数字/非数字        |     |     |     |     |
| Standard tables:                                  |     | BK0              |     |     |     |     | BK0            |     |     |     |     |
| Uncorrected UGR                                   |     | 负无穷大             |     |     |     |     | 负无穷大           |     |     |     |     |

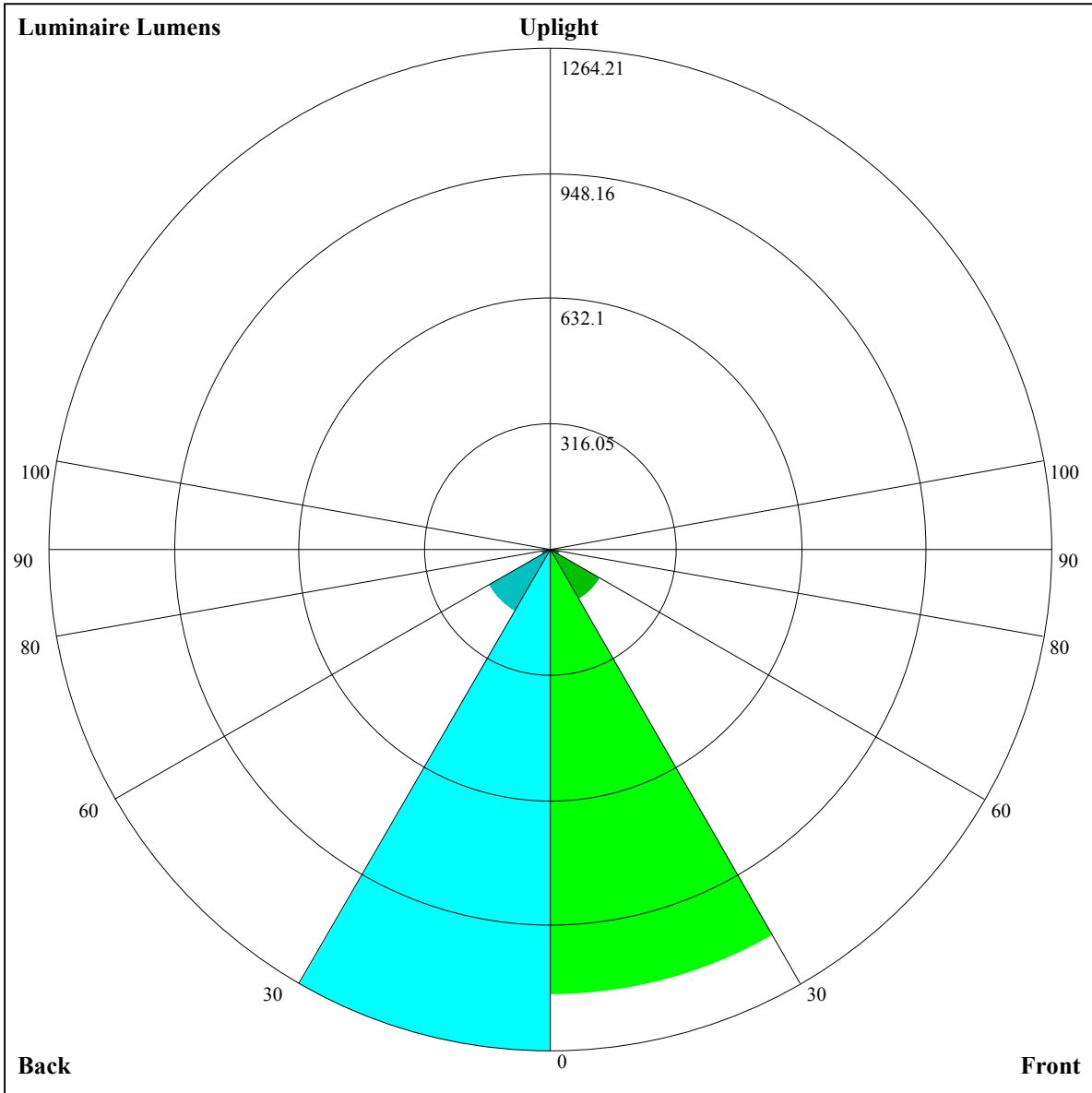
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



| 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     | 1.00                                    | 1.00 | 1.00 | 0.97 | 0.97 | 0.97 | 0.93 | 0.93 | 0.93 | 0.89 | 0.89 | 0.89 | 0.85 | 0.85 | 0.85 | 0.84 |
| 1     | 0.93                                    | 0.91 | 0.90 | 0.91 | 0.90 | 0.88 | 0.88 | 0.87 | 0.86 | 0.85 | 0.84 | 0.83 | 0.82 | 0.81 | 0.81 | 0.79 |
| 2     | 0.88                                    | 0.85 | 0.82 | 0.86 | 0.84 | 0.81 | 0.84 | 0.82 | 0.80 | 0.81 | 0.80 | 0.78 | 0.79 | 0.78 | 0.76 | 0.75 |
| 3     | 0.83                                    | 0.80 | 0.77 | 0.82 | 0.79 | 0.76 | 0.80 | 0.77 | 0.75 | 0.78 | 0.76 | 0.74 | 0.76 | 0.74 | 0.73 | 0.71 |
| 4     | 0.79                                    | 0.75 | 0.72 | 0.78 | 0.74 | 0.72 | 0.76 | 0.73 | 0.71 | 0.75 | 0.72 | 0.70 | 0.73 | 0.71 | 0.69 | 0.68 |
| 5     | 0.75                                    | 0.71 | 0.68 | 0.74 | 0.71 | 0.68 | 0.73 | 0.70 | 0.67 | 0.72 | 0.69 | 0.67 | 0.71 | 0.68 | 0.66 | 0.65 |
| 6     | 0.72                                    | 0.68 | 0.65 | 0.71 | 0.67 | 0.64 | 0.70 | 0.67 | 0.64 | 0.69 | 0.66 | 0.64 | 0.68 | 0.65 | 0.63 | 0.62 |
| 7     | 0.69                                    | 0.65 | 0.62 | 0.68 | 0.64 | 0.62 | 0.67 | 0.64 | 0.61 | 0.66 | 0.63 | 0.61 | 0.66 | 0.63 | 0.61 | 0.60 |
| 8     | 0.66                                    | 0.62 | 0.59 | 0.66 | 0.62 | 0.59 | 0.65 | 0.61 | 0.59 | 0.64 | 0.61 | 0.58 | 0.63 | 0.60 | 0.58 | 0.57 |
| 9     | 0.64                                    | 0.59 | 0.57 | 0.63 | 0.59 | 0.57 | 0.62 | 0.59 | 0.56 | 0.62 | 0.59 | 0.56 | 0.61 | 0.58 | 0.56 | 0.55 |
| 10    | 0.61                                    | 0.57 | 0.55 | 0.61 | 0.57 | 0.54 | 0.60 | 0.57 | 0.54 | 0.60 | 0.56 | 0.54 | 0.59 | 0.56 | 0.54 | 0.53 |







Luminaire Lumens:

FL=1124.55,FM=144.3,FH=23.46,FVH=7.38

BL=1264.21,BM=179.91,BH=23.57,BVH=7.56

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    | 9311.57 | 8922.98 | 8527.96 | 8062.70 | 7431.83 | 6920.34 | 6428.76 | 5947.11 | 5480.69 |
| 45.0   | 9543.32 | 9394.09 | 9151.81 | 8708.79 | 8266.95 | 7775.94 | 7272.65 | 6658.16 | 6167.16 |
| 90.0   | 9492.41 | 9310.99 | 8949.32 | 8549.61 | 8091.38 | 7619.69 | 6997.59 | 6513.03 | 5903.81 |
| 135.0  | 9590.73 | 9582.53 | 9442.08 | 9216.77 | 8874.41 | 8341.27 | 7862.56 | 7377.40 | 6747.70 |
| 180.0  | 9311.57 | 9499.43 | 9587.21 | 9566.15 | 9438.57 | 9154.73 | 8796.58 | 8371.12 | 7885.97 |
| 225.0  | 9543.32 | 9577.27 | 9504.11 | 9342.59 | 9001.99 | 8616.33 | 8039.88 | 7530.15 | 7007.54 |
| 270.0  | 9492.41 | 9572.00 | 9548.59 | 9388.24 | 9171.12 | 8822.33 | 8413.25 | 7811.06 | 7308.93 |
| 315.0  | 9590.73 | 9489.48 | 9243.10 | 8934.10 | 8540.25 | 8056.85 | 7448.80 | 6919.76 | 6410.03 |
| 360.0  | 9311.57 | 8922.98 | 8527.96 | 8062.70 | 7431.83 | 6920.34 | 6428.76 | 5947.11 | 5480.69 |
| C/γ(°) | 9.0     | 10.0    | 11.0    | 12.0    | 13.0    | 14.0    | 15.0    | 16.0    | 17.0    |
| 0.0    | 4958.67 | 4570.08 | 4211.34 | 3792.90 | 3493.85 | 3225.23 | 2921.50 | 2703.80 | 2462.69 |
| 45.0   | 5705.42 | 5266.50 | 4769.64 | 4388.66 | 4046.89 | 3652.45 | 3365.10 | 3103.51 | 2812.65 |
| 90.0   | 5449.67 | 5025.97 | 4533.80 | 4165.69 | 3841.48 | 3537.74 | 3194.80 | 2949.01 | 2731.30 |
| 135.0  | 6273.09 | 5797.88 | 5355.45 | 4839.28 | 4454.79 | 4104.24 | 3777.10 | 3403.73 | 3149.74 |
| 180.0  | 7250.41 | 6741.85 | 6245.58 | 5749.89 | 5179.88 | 4773.15 | 4399.78 | 4046.30 | 3654.79 |
| 225.0  | 6489.62 | 5992.18 | 5408.71 | 4984.42 | 4604.61 | 4156.91 | 3832.70 | 3528.97 | 3255.67 |
| 270.0  | 6775.79 | 6166.57 | 5683.18 | 5114.93 | 4712.88 | 4331.31 | 3990.12 | 3591.00 | 3311.85 |
| 315.0  | 5912.00 | 5337.90 | 4914.78 | 4524.43 | 4087.27 | 3767.74 | 3397.29 | 3130.43 | 2898.68 |
| 360.0  | 4958.67 | 4570.08 | 4211.34 | 3792.90 | 3493.85 | 3225.23 | 2921.50 | 2703.80 | 2462.69 |
| C/γ(°) | 18.0    | 19.0    | 20.0    | 21.0    | 22.0    | 23.0    | 24.0    | 25.0    | 26.0    |
| 0.0    | 2283.61 | 2108.62 | 1946.52 | 1735.84 | 1577.83 | 1419.23 | 1151.55 | 1151.55 | 1080.68 |
| 45.0   | 2609.58 | 2428.16 | 2205.19 | 2036.64 | 1873.95 | 1714.18 | 1513.45 | 1360.12 | 1248.34 |
| 90.0   | 2532.91 | 2301.75 | 2126.18 | 1963.49 | 1759.83 | 1600.65 | 1442.64 | 1151.61 | 1151.61 |
| 135.0  | 2912.72 | 2649.96 | 2459.17 | 2240.89 | 2068.24 | 1904.97 | 1746.37 | 1545.64 | 1388.80 |
| 180.0  | 3377.98 | 3061.37 | 2838.40 | 2621.87 | 2421.13 | 2202.85 | 2034.89 | 1872.78 | 1711.84 |
| 225.0  | 2948.42 | 2722.53 | 2480.83 | 2297.07 | 2124.43 | 1920.77 | 1761.59 | 1601.23 | 1448.49 |
| 270.0  | 3063.13 | 2830.21 | 2573.29 | 2381.92 | 2202.85 | 1990.41 | 1834.74 | 1676.73 | 1483.60 |
| 315.0  | 2631.23 | 2431.67 | 2254.35 | 2080.53 | 1878.63 | 1720.03 | 1562.02 | 1406.94 | 1164.60 |
| 360.0  | 2283.61 | 2108.62 | 1946.52 | 1735.84 | 1577.83 | 1419.23 | 1151.55 | 1151.55 | 1080.68 |
| C/γ(°) | 27.0    | 28.0    | 29.0    | 30.0    | 31.0    | 32.0    | 33.0    | 34.0    | 35.0    |
| 0.0    | 971.12  | 863.38  | 726.85  | 619.46  | 486.20  | 386.37  | 294.49  | 196.23  | 140.10  |
| 45.0   | 1154.71 | 1021.86 | 914.77  | 807.67  | 670.14  | 563.04  | 431.37  | 336.56  | 313.74  |
| 90.0   | 1079.62 | 952.75  | 851.39  | 745.64  | 611.09  | 499.49  | 393.97  | 298.70  | 194.59  |
| 135.0  | 1255.95 | 1161.14 | 1034.15 | 931.15  | 829.91  | 696.48  | 588.79  | 478.77  | 350.02  |
| 180.0  | 1515.79 | 1365.39 | 1244.83 | 1138.32 | 1038.83 | 906.57  | 798.31  | 692.38  | 556.02  |
| 225.0  | 1163.25 | 1163.25 | 1097.41 | 994.77  | 865.66  | 756.58  | 646.79  | 513.48  | 411.24  |
| 270.0  | 1338.47 | 1206.21 | 1124.86 | 1027.71 | 924.13  | 788.36  | 677.16  | 568.90  | 461.80  |
| 315.0  | 1164.60 | 1078.39 | 954.62  | 844.13  | 732.94  | 592.83  | 482.87  | 384.20  | 276.05  |
| 360.0  | 971.12  | 863.38  | 726.85  | 619.46  | 486.20  | 386.37  | 294.49  | 196.23  | 140.10  |
| C/γ(°) | 36.0    | 37.0    | 38.0    | 39.0    | 40.0    | 41.0    | 42.0    | 43.0    | 44.0    |
| 0.0    | 118.33  | 107.10  | 95.92   | 88.19   | 81.17   | 75.20   | 68.24   | 63.15   | 58.76   |
| 45.0   | 313.74  | 123.01  | 110.37  | 100.48  | 92.58   | 83.92   | 77.72   | 72.10   | 65.25   |
| 90.0   | 134.54  | 110.14  | 99.66   | 89.19   | 82.52   | 76.78   | 70.23   | 65.43   | 59.63   |
| 135.0  | 300.28  | 300.28  | 114.94  | 102.24  | 92.93   | 83.98   | 77.89   | 72.10   | 67.07   |
| 180.0  | 448.93  | 348.27  | 302.03  | 302.03  | 116.81  | 103.94  | 93.99   | 84.86   | 78.48   |
| 225.0  | 316.49  | 213.49  | 150.17  | 118.16  | 103.99  | 94.86   | 87.49   | 80.59   | 72.74   |
| 270.0  | 340.66  | 296.77  | 296.77  | 129.86  | 107.97  | 97.91   | 90.01   | 81.17   | 74.56   |
| 315.0  | 199.62  | 141.92  | 116.28  | 103.23  | 94.81   | 87.32   | 80.29   | 72.63   | 67.24   |
| 360.0  | 118.33  | 107.10  | 95.92   | 88.19   | 81.17   | 75.20   | 68.24   | 63.15   | 58.76   |

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    | 54.02 | 50.56 | 46.94 | 44.30 | 42.25 | 39.85 | 38.27 | 36.93 | 35.64 |
| 45.0   | 60.75 | 57.06 | 52.38 | 49.28 | 45.65 | 43.37 | 41.38 | 39.74 | 37.98 |
| 90.0   | 55.95 | 52.49 | 49.28 | 45.94 | 43.48 | 41.43 | 39.68 | 37.75 | 36.52 |
| 135.0  | 61.04 | 56.71 | 52.96 | 49.69 | 45.82 | 43.25 | 40.91 | 38.62 | 36.93 |
| 180.0  | 72.45 | 66.25 | 61.39 | 56.94 | 52.38 | 48.98 | 45.88 | 42.66 | 40.32 |
| 225.0  | 67.42 | 62.27 | 56.77 | 53.08 | 49.63 | 46.76 | 43.42 | 41.20 | 38.80 |
| 270.0  | 67.89 | 62.85 | 58.29 | 54.54 | 50.21 | 47.23 | 44.65 | 42.25 | 39.74 |
| 315.0  | 61.98 | 56.94 | 53.31 | 49.92 | 46.64 | 44.13 | 41.90 | 39.56 | 37.86 |
| 360.0  | 54.02 | 50.56 | 46.94 | 44.30 | 42.25 | 39.85 | 38.27 | 36.93 | 35.64 |
| C/γ(°) | 54.0  | 55.0  | 56.0  | 57.0  | 58.0  | 59.0  | 60.0  | 61.0  | 62.0  |
| 0.0    | 34.35 | 33.71 | 32.95 | 32.13 | 31.60 | 30.55 | 29.03 | 27.74 | 26.51 |
| 45.0   | 36.87 | 35.76 | 35.00 | 34.24 | 33.47 | 32.66 | 32.13 | 30.49 | 29.32 |
| 90.0   | 35.52 | 34.18 | 33.77 | 33.18 | 32.30 | 31.72 | 31.08 | 29.44 | 28.44 |
| 135.0  | 35.58 | 34.18 | 33.18 | 32.42 | 32.07 | 31.43 | 30.78 | 30.55 | 29.32 |
| 180.0  | 38.45 | 36.64 | 34.82 | 33.59 | 32.54 | 31.72 | 31.19 | 30.49 | 29.90 |
| 225.0  | 37.04 | 35.64 | 34.12 | 33.01 | 32.42 | 31.89 | 31.25 | 30.43 | 29.90 |
| 270.0  | 37.86 | 36.28 | 34.94 | 33.47 | 32.60 | 31.89 | 31.25 | 30.55 | 29.90 |
| 315.0  | 36.34 | 34.76 | 33.65 | 33.12 | 32.60 | 31.66 | 31.08 | 30.37 | 28.91 |
| 360.0  | 34.35 | 33.71 | 32.95 | 32.13 | 31.60 | 30.55 | 29.03 | 27.74 | 26.51 |
| C/γ(°) | 63.0  | 64.0  | 65.0  | 66.0  | 67.0  | 68.0  | 69.0  | 70.0  | 71.0  |
| 0.0    | 24.99 | 23.76 | 22.82 | 21.59 | 20.60 | 19.96 | 19.37 | 18.96 | 18.73 |
| 45.0   | 27.97 | 26.39 | 25.28 | 24.70 | 24.29 | 23.76 | 23.64 | 24.99 | 25.63 |
| 90.0   | 27.39 | 26.16 | 26.45 | 26.22 | 25.57 | 25.87 | 27.97 | 28.62 | 26.04 |
| 135.0  | 27.97 | 27.04 | 25.69 | 24.17 | 23.23 | 22.24 | 21.07 | 20.48 | 19.96 |
| 180.0  | 29.55 | 28.32 | 26.80 | 25.87 | 24.40 | 23.29 | 22.41 | 21.19 | 20.25 |
| 225.0  | 28.73 | 27.21 | 26.10 | 24.70 | 23.35 | 22.53 | 21.36 | 20.42 | 20.19 |
| 270.0  | 28.85 | 27.51 | 26.51 | 24.93 | 23.70 | 22.82 | 21.89 | 20.89 | 21.13 |
| 315.0  | 27.51 | 26.22 | 24.46 | 23.47 | 22.47 | 21.07 | 20.25 | 19.55 | 19.02 |
| 360.0  | 24.99 | 23.76 | 22.82 | 21.59 | 20.60 | 19.96 | 19.37 | 18.96 | 18.73 |
| C/γ(°) | 72.0  | 73.0  | 74.0  | 75.0  | 76.0  | 77.0  | 78.0  | 79.0  | 80.0  |
| 0.0    | 18.49 | 18.14 | 17.91 | 17.26 | 16.68 | 16.09 | 15.45 | 14.92 | 14.34 |
| 45.0   | 25.16 | 24.35 | 24.58 | 24.17 | 23.94 | 23.64 | 23.47 | 22.41 | 19.78 |
| 90.0   | 25.05 | 26.39 | 24.23 | 23.23 | 23.53 | 22.71 | 21.48 | 20.25 | 18.32 |
| 135.0  | 19.78 | 19.55 | 19.20 | 18.90 | 18.26 | 17.85 | 17.32 | 16.68 | 16.21 |
| 180.0  | 19.61 | 18.84 | 18.26 | 17.85 | 17.44 | 17.03 | 16.68 | 16.27 | 15.86 |
| 225.0  | 20.13 | 19.96 | 19.08 | 18.73 | 18.79 | 18.08 | 18.14 | 17.44 | 17.21 |
| 270.0  | 21.54 | 21.83 | 20.66 | 19.72 | 20.07 | 18.96 | 18.73 | 17.85 | 17.91 |
| 315.0  | 18.38 | 18.02 | 17.67 | 17.38 | 16.91 | 16.44 | 16.09 | 15.57 | 15.16 |
| 360.0  | 18.49 | 18.14 | 17.91 | 17.26 | 16.68 | 16.09 | 15.45 | 14.92 | 14.34 |
| C/γ(°) | 81.0  | 82.0  | 83.0  | 84.0  | 85.0  | 86.0  | 87.0  | 88.0  | 89.0  |
| 0.0    | 13.99 | 13.69 | 13.34 | 12.87 | 12.58 | 12.23 | 12.00 | 12.17 | 12.06 |
| 45.0   | 16.91 | 14.34 | 13.87 | 13.52 | 13.11 | 12.52 | 12.23 | 12.00 | 12.11 |
| 90.0   | 15.10 | 14.05 | 13.69 | 13.28 | 12.76 | 12.47 | 12.23 | 12.00 | 12.17 |
| 135.0  | 15.68 | 15.04 | 14.46 | 13.75 | 13.28 | 12.82 | 12.52 | 12.29 | 12.11 |
| 180.0  | 15.51 | 15.04 | 14.63 | 14.28 | 13.93 | 13.58 | 13.11 | 12.82 | 12.52 |
| 225.0  | 16.62 | 15.80 | 14.81 | 13.81 | 13.52 | 13.23 | 12.76 | 12.52 | 12.29 |
| 270.0  | 16.91 | 16.44 | 14.75 | 13.81 | 13.52 | 13.23 | 12.82 | 12.52 | 12.23 |
| 315.0  | 14.69 | 14.34 | 13.93 | 13.64 | 13.28 | 12.76 | 12.47 | 12.17 | 12.00 |
| 360.0  | 13.99 | 13.69 | 13.34 | 12.87 | 12.58 | 12.23 | 12.00 | 12.17 | 12.06 |

Intensity data(cd)

|                 |       |
|-----------------|-------|
| C/ $\gamma$ (°) | 90.0  |
| 0.0             | 12.06 |
| 45.0            | 12.00 |
| 90.0            | 12.00 |
| 135.0           | 12.06 |
| 180.0           | 12.29 |
| 225.0           | 12.29 |
| 270.0           | 12.11 |
| 315.0           | 12.29 |
| 360.0           | 12.06 |