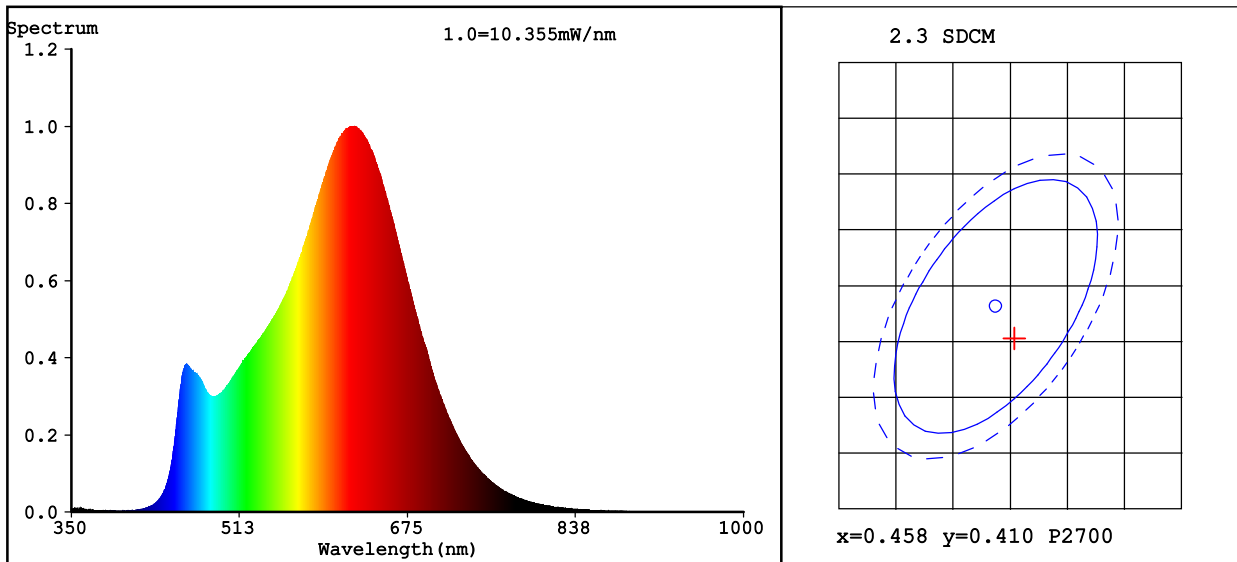


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4594$   $y=0.4072$  /  $u'=0.2638$   $v'=0.5260$   
 CCT=2679K (Duv=-0.0012) Dominant WL:Ld =584.7nm Purity=60.1%  
 Ratio:R=26.9% G=69.8% B=3.2% Peak WL:Lp=624.1nm FWHM=139.9nm  
 Render Index:Ra=91.6  
 R1 =95 R2 =98 R3 =92 R4 =91 R5 =95 R6 =93 R7 =87  
 R8 =80 R9 =61 R10=96 R11=94 R12=83 R13=98 R14=97 R15=90

**Photo Parameters:**

Flux = 466.7 lm Eff. : 99.65 lm/W Fe = 1.710 W

**Electrical parameters:**

V = 120.00 V I = 0.04919 A P = 4.684 W PF = 0.7935

Status: Integral T = 880 ms Ip = 32155 (49%)

Model:A19-5-E26-927-F-C Number:1  
 Tester:XCJ Date:2018-09-29  
 Temperature:24.8Deg Humidity:65.0%  
 Manufacturer:RAB Lighting Inc. Remarks:

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RAB Lighting Inc.

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Client:

LumCAT: A19-5-E26-927-F-C

Luminaire:

Report No:

Voltage(V): 120.0000

Test No: 255199-01-001

Current(A): 0.0490

LampCAT:

Power (W): 4.6780

Lamp flux(lm)

PF: 0.7922

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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Photometric Results

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Lumens(lm): 500.33

Lumens(lm)/Power(W): 106.95

Central intensity(cd): 29.774

Maximum intensity(cd): 55.558

Angle of maximum intensity:  $C=112.5$   $\gamma=75.0$

Beam Angle(50%Imax): [C0/180]Total=275.3

[C90/270]Total=282.3

Field angle(10%Imax): [C0/180]Total=N.A.

[C90/270]Total=N.A.

Maximum s/h(1/2): C0\_180=1.95 C90\_270=1.93

Maximum s/h(1/4): C0\_180=2.23 C90\_270=2.02

Up flux rate of LUM(%): 40.07%

Down flux rate of LUM(%): 57.21%

CIE Type : General diffuse lighting

Output flux ratio in  $\pi$  solid angle : 28.326%

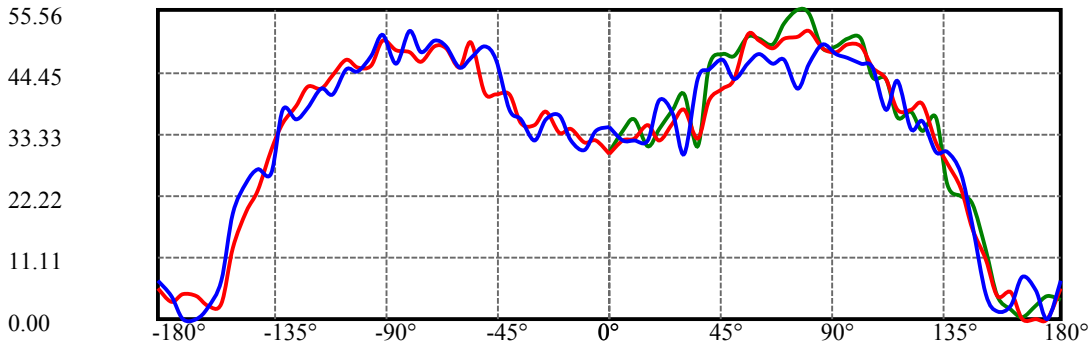
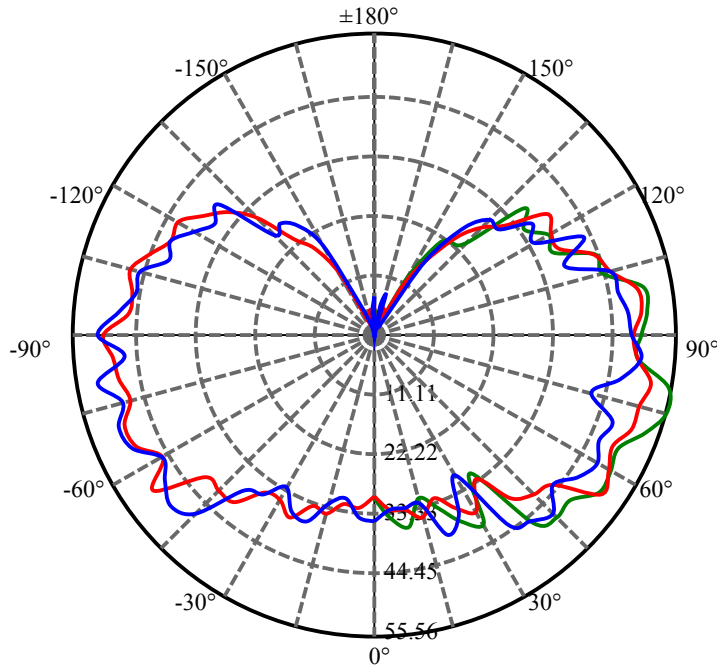
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0                | 31.654        | 0.189       | 0.189     | .038%       | .038%      |
| 5.0                | 32.863        | 1.570       | 1.759     | .314%       | .352%      |
| 10.0               | 33.170        | 3.157       | 4.916     | .631%       | .983%      |
| 15.0               | 33.208        | 4.711       | 9.628     | .942%       | 1.924%     |
| 20.0               | 32.805        | 6.150       | 15.778    | 1.229%      | 3.153%     |
| 25.0               | 35.990        | 8.337       | 24.115    | 1.666%      | 4.820%     |
| 30.0               | 36.565        | 10.021      | 34.136    | 2.003%      | 6.823%     |
| 35.0               | 37.889        | 11.912      | 46.049    | 2.381%      | 9.204%     |
| 40.0               | 41.553        | 14.641      | 60.69     | 2.926%      | 12.130%    |
| 45.0               | 44.297        | 17.169      | 77.859    | 3.432%      | 15.562%    |
| 50.0               | 45.601        | 19.148      | 97.006    | 3.827%      | 19.389%    |
| 55.0               | 47.808        | 21.466      | 118.472   | 4.290%      | 23.679%    |
| 60.0               | 48.824        | 23.177      | 141.649   | 4.632%      | 28.311%    |
| 65.0               | 49.688        | 24.684      | 166.333   | 4.934%      | 33.245%    |
| 70.0               | 50.321        | 25.919      | 192.252   | 5.180%      | 38.425%    |
| 75.0               | 49.477        | 26.196      | 218.448   | 5.236%      | 43.661%    |
| 80.0               | 50.762        | 27.402      | 245.85    | 5.477%      | 49.138%    |
| 85.0               | 49.170        | 26.849      | 272.699   | 5.366%      | 54.504%    |
| 90.0               | 49.227        | 26.983      | 299.682   | 5.393%      | 59.897%    |
| 95.0               | 47.942        | 26.179      | 325.861   | 5.232%      | 65.130%    |
| 100.0              | 46.196        | 24.937      | 350.798   | 4.984%      | 70.114%    |
| 105.0              | 44.949        | 23.799      | 374.597   | 4.757%      | 74.870%    |
| 110.0              | 43.587        | 22.451      | 397.048   | 4.487%      | 79.358%    |
| 115.0              | 41.956        | 20.843      | 417.891   | 4.166%      | 83.524%    |
| 120.0              | 39.079        | 18.551      | 436.442   | 3.708%      | 87.231%    |
| 125.0              | 36.489        | 16.384      | 452.825   | 3.275%      | 90.506%    |
| 130.0              | 34.283        | 14.395      | 467.22    | 2.877%      | 93.383%    |
| 135.0              | 30.292        | 11.741      | 478.961   | 2.347%      | 95.730%    |
| 140.0              | 26.609        | 9.375       | 488.337   | 1.874%      | 97.603%    |
| 145.0              | 19.645        | 6.176       | 494.513   | 1.234%      | 98.838%    |
| 150.0              | 11.722        | 3.213       | 497.725   | .642%       | 99.480%    |
| 155.0              | 4.892         | 1.133       | 498.859   | .227%       | 99.707%    |
| 160.0              | 3.741         | 0.701       | 499.56    | .140%       | 99.847%    |
| 165.0              | 2.494         | 0.354       | 499.914   | .071%       | 99.917%    |
| 170.0              | 2.954         | 0.281       | 500.195   | .056%       | 99.974%    |
| 175.0              | 2.302         | 0.110       | 500.305   | .022%       | 99.996%    |
| 180.0              | 3.683         | 0.022       | 500.327   | .004%       | 100.000%   |

ZONAL LUMEN SUMMARY

| Zone     | Lumens | %Fixt   |
|----------|--------|---------|
| 0-30     | 34.14  | 6.82%   |
| 0-40     | 60.69  | 12.13%  |
| 0-60     | 141.65 | 28.31%  |
| 0-90     | 299.68 | 59.90%  |
| 0-120    | 436.44 | 87.23%  |
| 0-180    | 500.33 | 100.00% |
| 60-90    | 181.21 | 36.22%  |
| 90-120   | 163.74 | 32.73%  |
| 90-130   | 194.52 | 38.88%  |
| 90-150   | 225.03 | 44.98%  |
| 90-180   | 227.61 | 45.49%  |
| 0-110.77 | 400.26 | 80.00%  |

ZONAL LUMEN SUMMARY

|         |       |
|---------|-------|
| 0-10    | 4.92  |
| 10-20   | 10.86 |
| 20-30   | 18.36 |
| 30-40   | 26.55 |
| 40-50   | 36.32 |
| 50-60   | 44.64 |
| 60-70   | 50.60 |
| 70-80   | 53.60 |
| 80-90   | 53.83 |
| 90-100  | 51.12 |
| 100-110 | 46.25 |
| 110-120 | 39.39 |
| 120-130 | 30.78 |
| 130-140 | 21.12 |
| 140-150 | 9.39  |
| 150-160 | 1.83  |
| 160-170 | 0.64  |
| 170-180 | 0.11  |



C112.5(Max): —

C0/C180: —

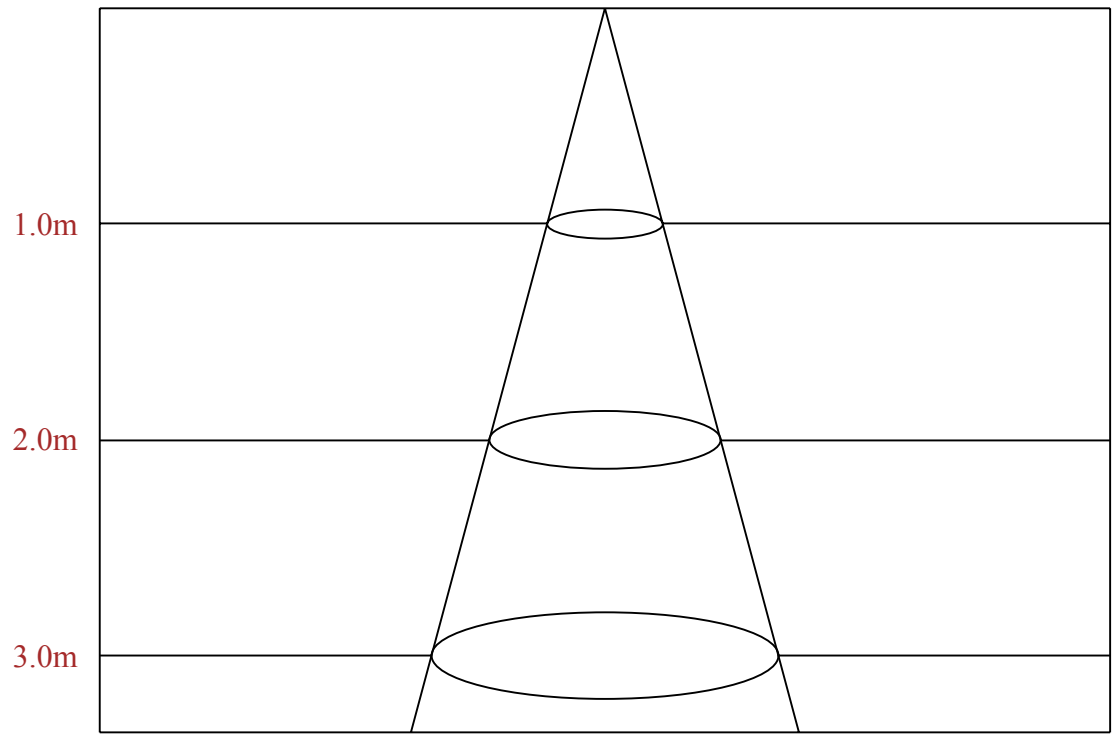
C90/C270: —

Field angle(10%Imax):C0/180Left:0.0 Right:0.0

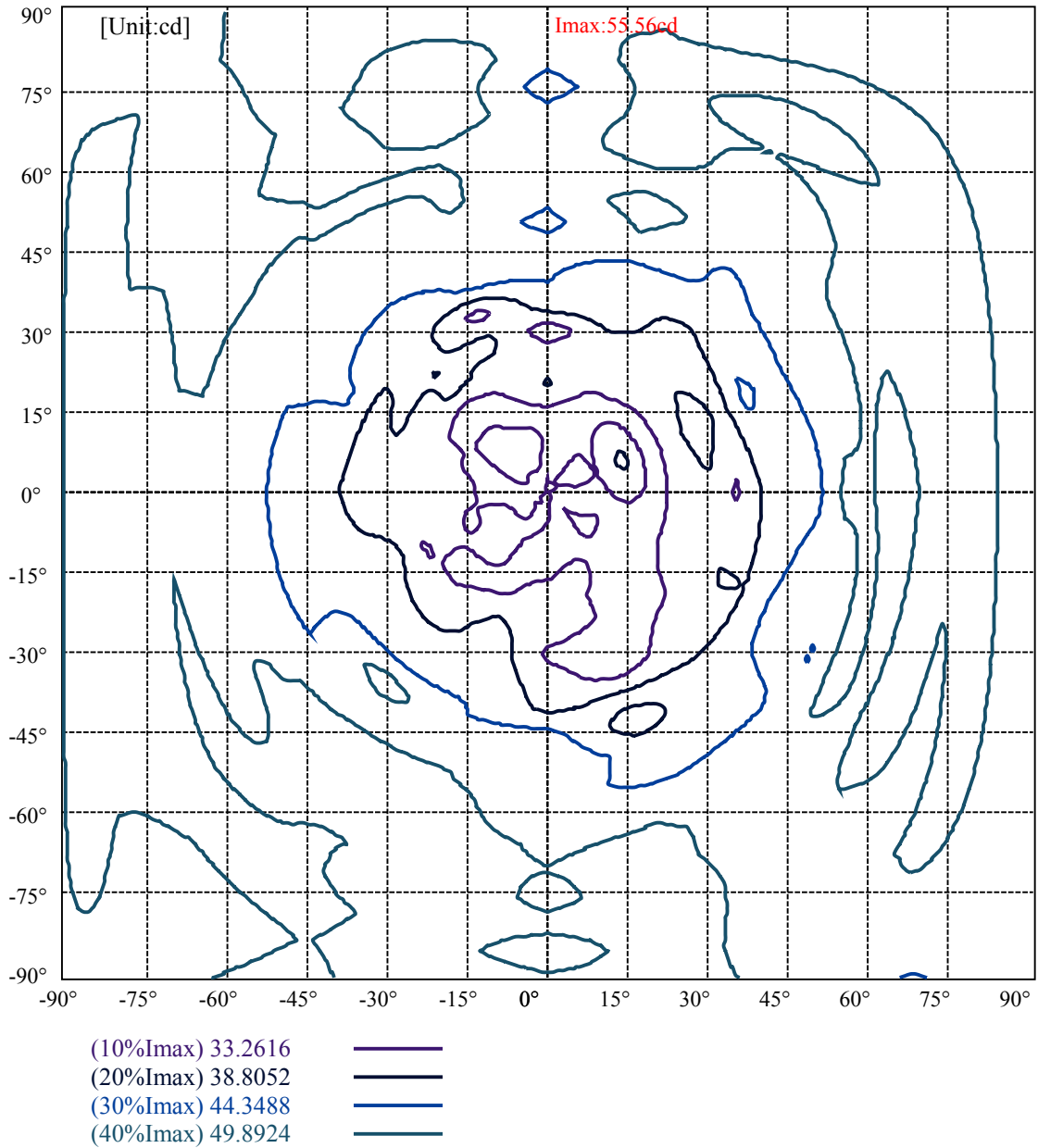
:C90/270Left:0.0 Right:0.0

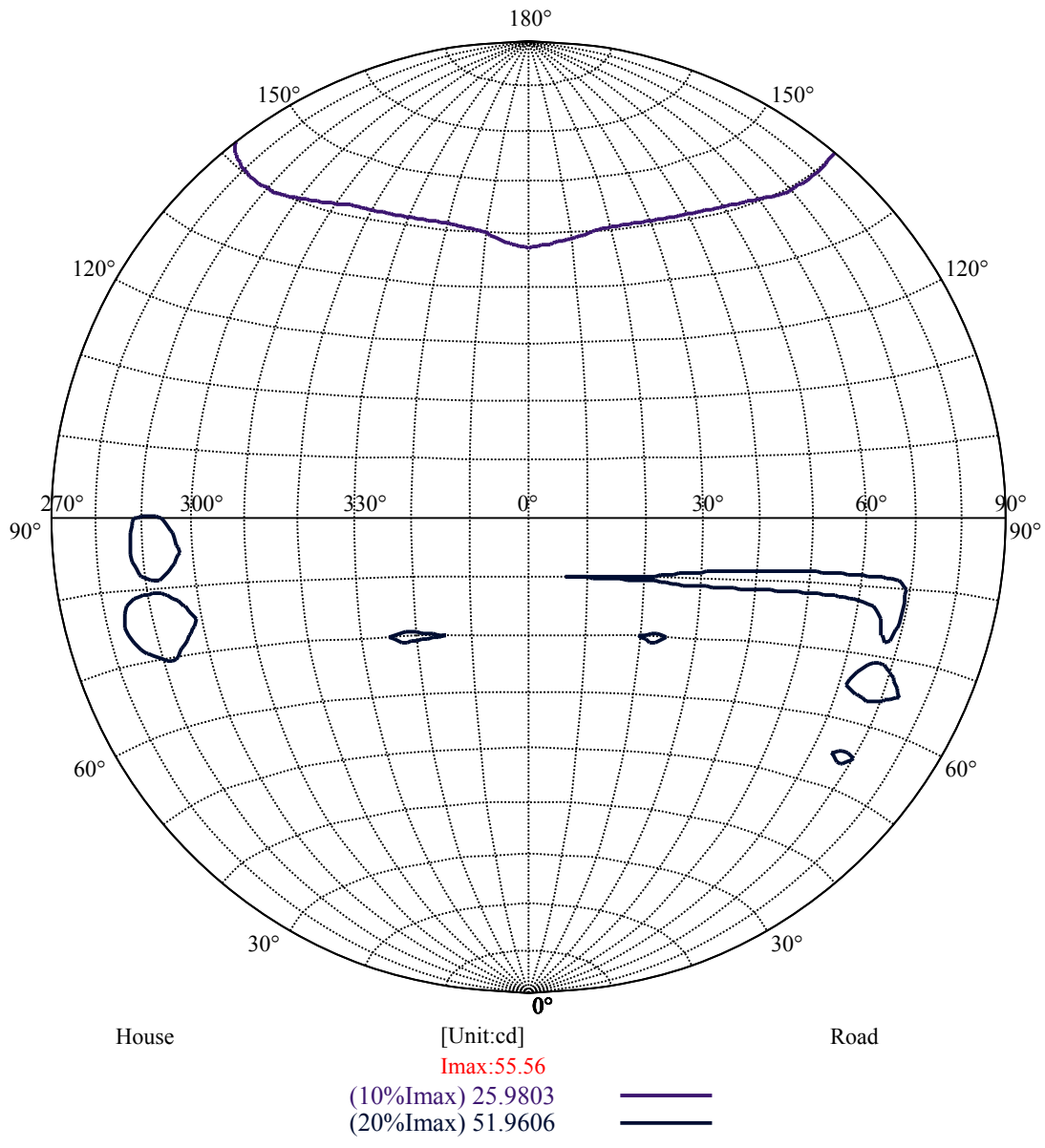
Beam Angle(50%Imax):C0/180Left:218.0 Right:57.3

:C90/270Left:62.2 Right:220.1

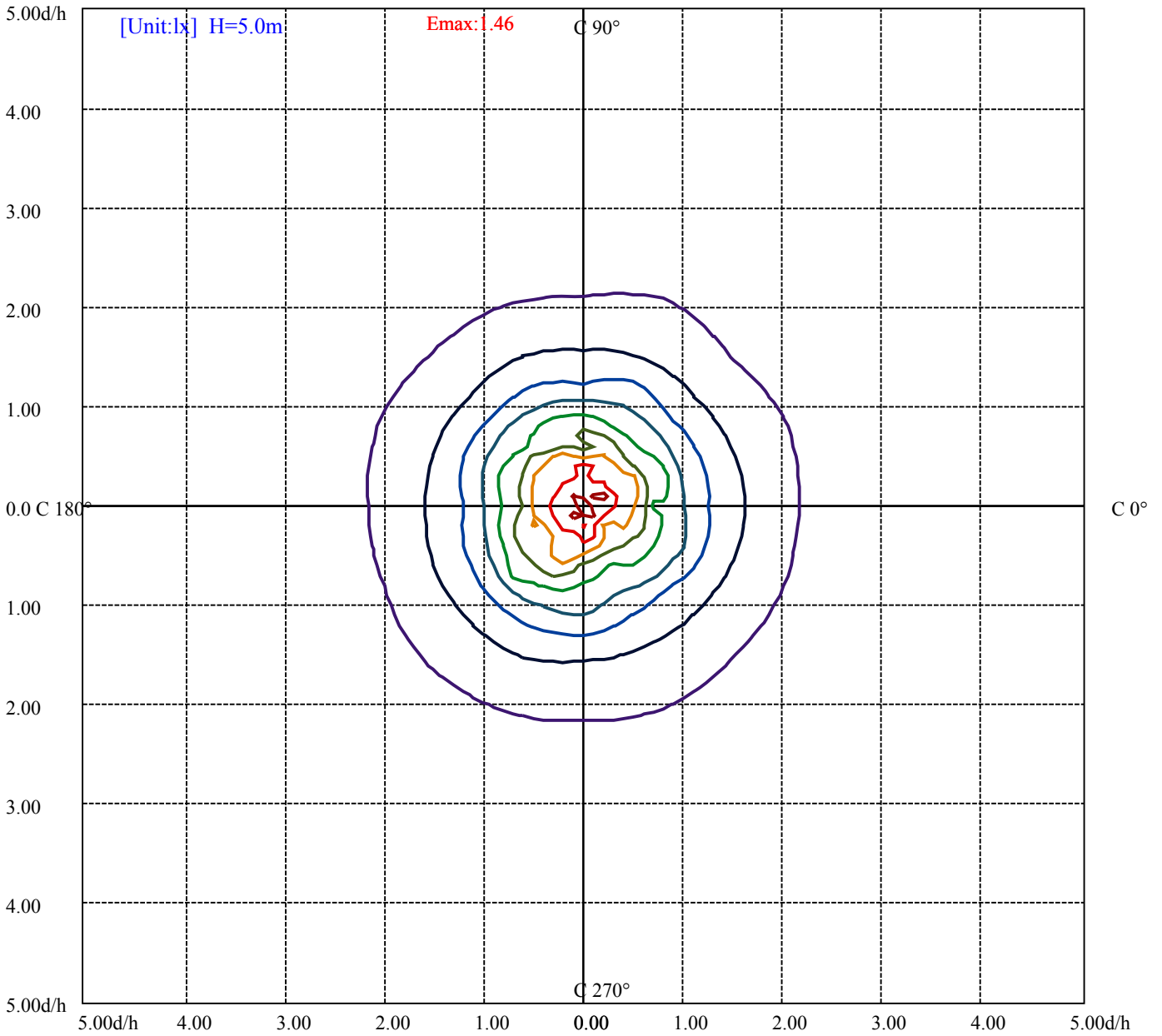


Max , Ave      Beam angle of C112.5 plane 294.97

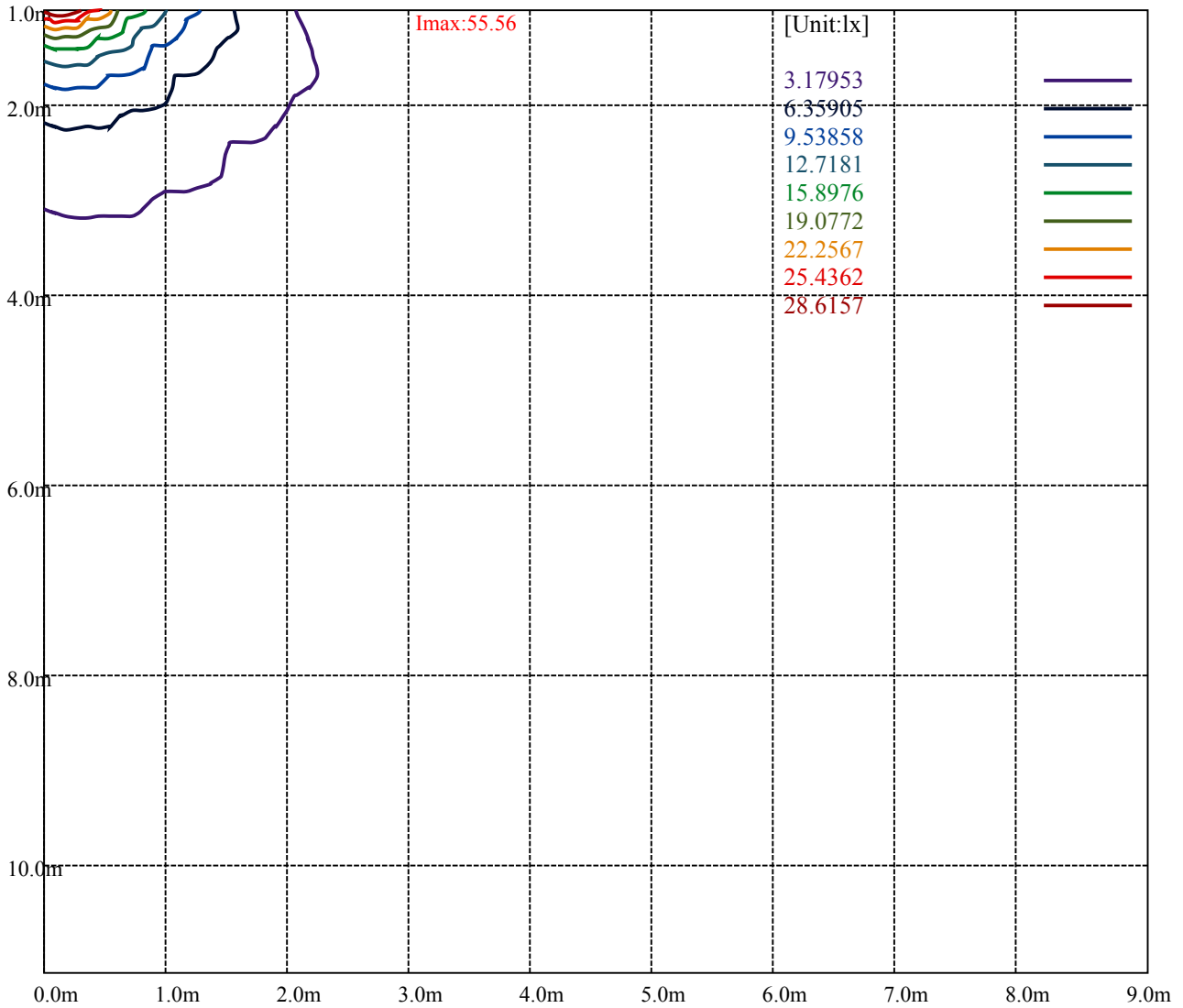








- (10%Emax) 0.1461048
- (20%Emax) 0.2922096
- (30%Emax) 0.438316
- (40%Emax) 0.58442
- (50%Emax) 0.730524
- (60%Emax) 0.876628
- (70%Emax) 1.022732
- (80%Emax) 1.16884
- (90%Emax) 1.314944



Luminance Table

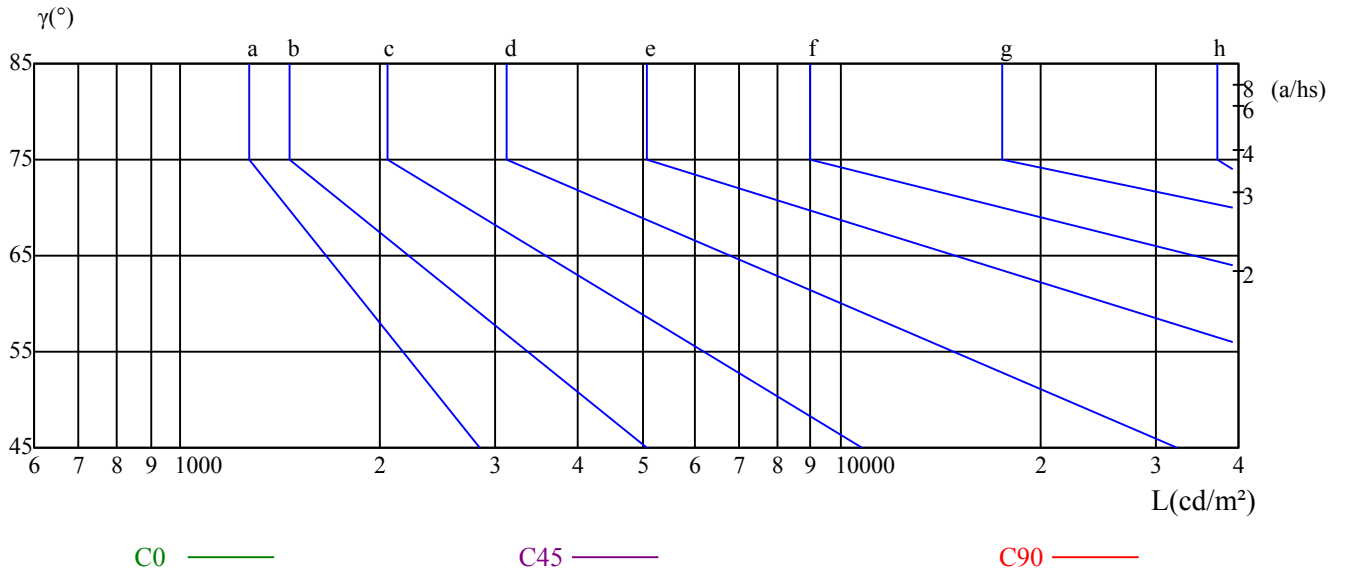
| $\gamma$ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|----|----|----|----|----|----|----|----|
| C0       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| C45      | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| C90      | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

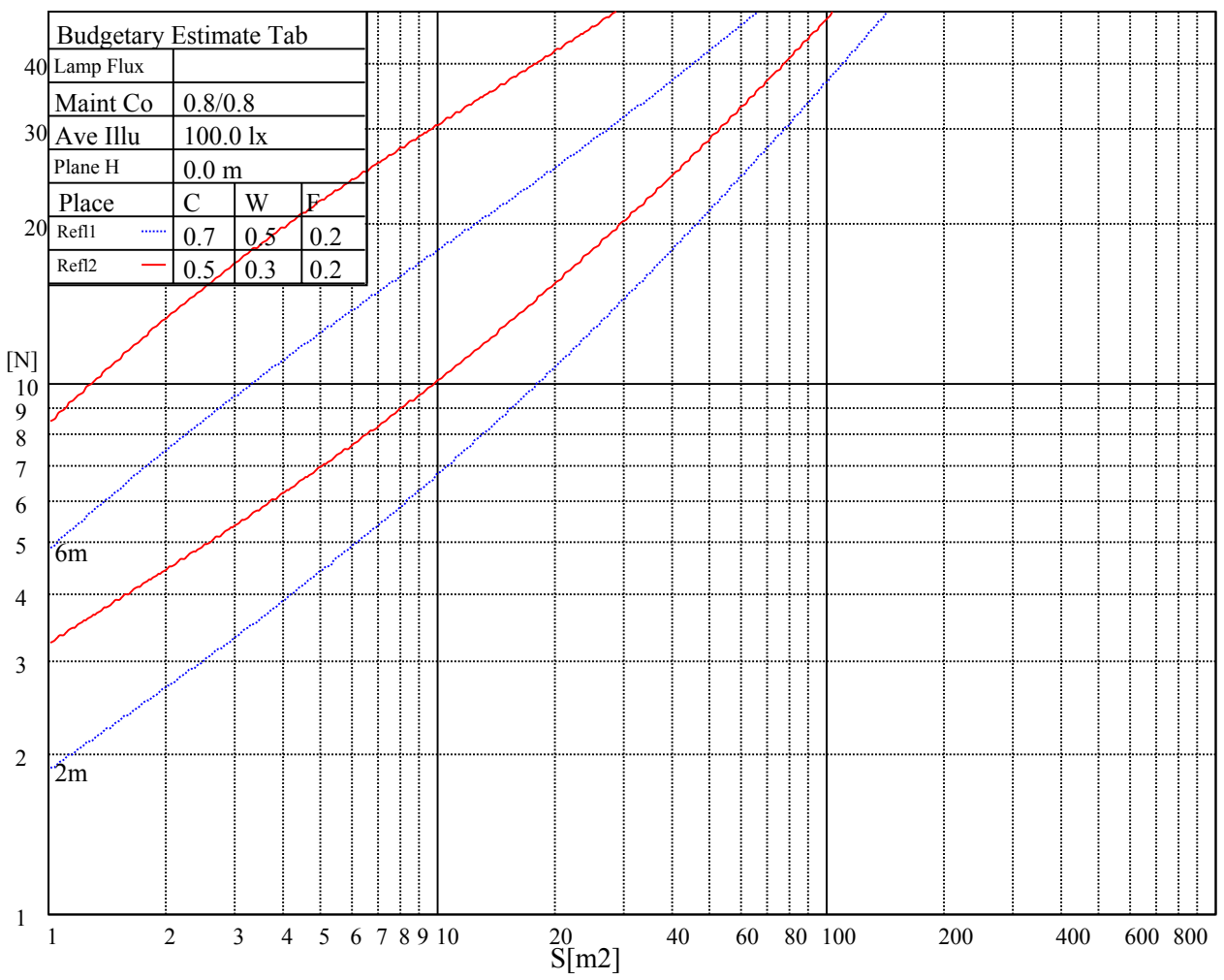
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 0          | 0          | 0       | 0          | 0          | 0       | 0     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





| 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     | 1.09                                    | 1.09 | 1.09 | 1.01 | 1.01 | 1.01 | 0.87 | 0.87 | 0.87 | 0.75 | 0.75 | 0.75 | 0.63 | 0.63 | 0.63 | 0.57 |
| 1     | 0.89                                    | 0.83 | 0.78 | 0.82 | 0.77 | 0.73 | 0.70 | 0.66 | 0.63 | 0.59 | 0.56 | 0.53 | 0.49 | 0.46 | 0.44 | 0.39 |
| 2     | 0.75                                    | 0.67 | 0.60 | 0.69 | 0.62 | 0.56 | 0.59 | 0.53 | 0.48 | 0.49 | 0.44 | 0.41 | 0.40 | 0.36 | 0.33 | 0.29 |
| 3     | 0.64                                    | 0.55 | 0.47 | 0.59 | 0.51 | 0.44 | 0.50 | 0.43 | 0.38 | 0.41 | 0.36 | 0.32 | 0.34 | 0.30 | 0.26 | 0.22 |
| 4     | 0.56                                    | 0.46 | 0.39 | 0.51 | 0.43 | 0.36 | 0.43 | 0.36 | 0.31 | 0.36 | 0.31 | 0.26 | 0.29 | 0.25 | 0.21 | 0.18 |
| 5     | 0.49                                    | 0.39 | 0.32 | 0.45 | 0.37 | 0.30 | 0.38 | 0.31 | 0.26 | 0.32 | 0.26 | 0.22 | 0.26 | 0.21 | 0.18 | 0.14 |
| 6     | 0.43                                    | 0.34 | 0.27 | 0.40 | 0.32 | 0.26 | 0.34 | 0.27 | 0.22 | 0.28 | 0.23 | 0.18 | 0.23 | 0.18 | 0.15 | 0.12 |
| 7     | 0.39                                    | 0.30 | 0.24 | 0.36 | 0.28 | 0.22 | 0.31 | 0.24 | 0.19 | 0.25 | 0.20 | 0.16 | 0.21 | 0.16 | 0.13 | 0.10 |
| 8     | 0.35                                    | 0.26 | 0.20 | 0.33 | 0.25 | 0.19 | 0.28 | 0.21 | 0.16 | 0.23 | 0.18 | 0.14 | 0.19 | 0.15 | 0.11 | 0.09 |
| 9     | 0.32                                    | 0.24 | 0.18 | 0.30 | 0.22 | 0.17 | 0.25 | 0.19 | 0.15 | 0.21 | 0.16 | 0.12 | 0.17 | 0.13 | 0.10 | 0.08 |
| 10    | 0.29                                    | 0.21 | 0.16 | 0.27 | 0.20 | 0.15 | 0.23 | 0.17 | 0.13 | 0.20 | 0.14 | 0.11 | 0.16 | 0.12 | 0.09 | 0.07 |

Intensity data(cd)

|        |       |       |       |       |       |       |       |       |       |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C/γ(°) | 0.0   | 5.0   | 10.0  | 15.0  | 20.0  | 25.0  | 30.0  | 35.0  | 40.0  |
| 0.0    | 29.77 | 32.23 | 32.54 | 34.69 | 31.92 | 35.30 | 37.45 | 32.54 | 39.29 |
| 22.5   | 28.24 | 34.38 | 33.15 | 41.13 | 30.39 | 36.53 | 42.36 | 36.83 | 45.74 |
| 45.0   | 36.53 | 36.83 | 32.54 | 34.69 | 31.92 | 35.91 | 36.53 | 35.30 | 39.29 |
| 67.5   | 30.39 | 28.55 | 33.46 | 30.08 | 33.15 | 38.98 | 37.45 | 41.75 | 39.90 |
| 90.0   | 34.38 | 32.23 | 32.23 | 32.23 | 39.29 | 36.83 | 29.77 | 42.97 | 44.81 |
| 112.5  | 30.08 | 33.76 | 35.91 | 31.00 | 34.07 | 37.75 | 40.21 | 31.00 | 45.43 |
| 135.0  | 32.23 | 33.15 | 34.99 | 34.69 | 28.55 | 39.60 | 38.68 | 41.44 | 39.29 |
| 157.5  | 31.62 | 33.76 | 33.15 | 32.54 | 34.38 | 35.61 | 39.60 | 37.45 | 44.81 |
| 180.0  | 29.77 | 31.92 | 31.62 | 34.07 | 33.46 | 37.14 | 34.99 | 35.30 | 40.21 |
| 202.5  | 28.24 | 31.92 | 34.69 | 32.54 | 34.69 | 32.84 | 40.21 | 42.67 | 43.28 |
| 225.0  | 36.53 | 31.31 | 36.53 | 35.30 | 31.00 | 34.07 | 34.07 | 44.51 | 42.97 |
| 247.5  | 30.39 | 36.22 | 32.54 | 31.92 | 32.84 | 39.29 | 43.28 | 42.97 | 44.20 |
| 270.0  | 34.38 | 33.76 | 30.39 | 32.23 | 36.53 | 35.91 | 32.23 | 35.91 | 37.45 |
| 292.5  | 30.08 | 31.31 | 28.55 | 35.61 | 33.15 | 33.15 | 30.08 | 30.39 | 40.82 |
| 315.0  | 32.23 | 33.46 | 35.30 | 28.55 | 28.85 | 30.70 | 33.46 | 35.91 | 38.68 |
| 337.5  | 31.62 | 31.00 | 33.15 | 30.08 | 30.70 | 36.22 | 34.69 | 39.29 | 38.68 |
| 360.0  | 29.77 | 32.23 | 32.54 | 34.69 | 31.92 | 35.30 | 37.45 | 32.54 | 39.29 |
| C/γ(°) | 45.0  | 50.0  | 55.0  | 60.0  | 65.0  | 70.0  | 75.0  | 80.0  | 85.0  |
| 0.0    | 41.44 | 42.97 | 50.95 | 50.03 | 48.50 | 50.34 | 50.65 | 51.87 | 48.81 |
| 22.5   | 42.05 | 46.35 | 45.43 | 50.34 | 51.26 | 52.18 | 50.34 | 52.18 | 47.88 |
| 45.0   | 43.89 | 43.59 | 46.35 | 46.96 | 45.43 | 50.03 | 44.81 | 55.25 | 45.43 |
| 67.5   | 44.51 | 49.73 | 52.80 | 46.96 | 54.33 | 51.57 | 52.80 | 52.49 | 50.03 |
| 90.0   | 46.66 | 42.97 | 45.74 | 47.58 | 45.74 | 46.66 | 41.44 | 46.04 | 49.42 |
| 112.5  | 47.58 | 47.27 | 50.65 | 50.34 | 49.42 | 53.10 | 55.56 | 54.94 | 48.81 |
| 135.0  | 45.43 | 49.42 | 44.20 | 50.95 | 49.11 | 47.27 | 48.19 | 45.74 | 47.27 |
| 157.5  | 45.43 | 46.66 | 49.11 | 47.88 | 52.18 | 51.57 | 53.10 | 53.72 | 50.95 |
| 180.0  | 40.52 | 40.82 | 49.73 | 45.12 | 48.50 | 49.11 | 46.35 | 47.88 | 48.19 |
| 202.5  | 43.59 | 44.20 | 49.11 | 50.34 | 48.19 | 52.18 | 47.58 | 50.03 | 52.49 |
| 225.0  | 53.10 | 45.74 | 51.87 | 50.03 | 53.72 | 49.42 | 49.42 | 48.50 | 49.73 |
| 247.5  | 44.51 | 49.42 | 50.03 | 52.49 | 52.18 | 51.26 | 55.56 | 51.87 | 52.80 |
| 270.0  | 46.66 | 49.11 | 46.96 | 45.12 | 49.11 | 50.03 | 47.88 | 51.87 | 46.04 |
| 292.5  | 35.91 | 42.05 | 42.67 | 48.81 | 50.65 | 52.18 | 54.64 | 51.57 | 53.72 |
| 315.0  | 42.67 | 39.60 | 45.43 | 46.35 | 47.88 | 45.43 | 45.43 | 48.19 | 45.43 |
| 337.5  | 44.81 | 49.73 | 43.89 | 51.87 | 48.81 | 52.80 | 47.88 | 50.03 | 49.73 |
| 360.0  | 41.44 | 42.97 | 50.95 | 50.03 | 48.50 | 50.34 | 50.65 | 51.87 | 48.81 |
| C/γ(°) | 90.0  | 95.0  | 100.0 | 105.0 | 110.0 | 115.0 | 120.0 | 125.0 | 130.0 |
| 0.0    | 47.88 | 49.42 | 49.11 | 45.12 | 42.97 | 37.45 | 37.75 | 38.68 | 31.62 |
| 22.5   | 49.73 | 46.66 | 44.81 | 44.20 | 46.35 | 43.28 | 34.99 | 35.30 | 32.84 |
| 45.0   | 48.50 | 49.11 | 44.81 | 48.81 | 42.67 | 38.37 | 39.90 | 38.98 | 35.91 |
| 67.5   | 49.42 | 50.95 | 50.03 | 45.74 | 42.67 | 39.60 | 40.52 | 36.22 | 32.54 |
| 90.0   | 47.58 | 46.96 | 45.74 | 45.12 | 37.45 | 42.67 | 34.07 | 35.61 | 30.08 |
| 112.5  | 49.11 | 50.34 | 50.34 | 43.59 | 43.28 | 36.22 | 37.14 | 33.76 | 36.22 |
| 135.0  | 43.89 | 42.05 | 40.82 | 40.21 | 38.37 | 39.90 | 35.30 | 37.14 | 37.45 |
| 157.5  | 53.10 | 50.95 | 49.73 | 46.66 | 44.51 | 46.96 | 40.21 | 34.99 | 31.00 |
| 180.0  | 50.03 | 45.43 | 45.12 | 46.66 | 43.89 | 41.44 | 41.75 | 38.37 | 35.30 |
| 202.5  | 50.34 | 49.11 | 47.58 | 46.35 | 47.58 | 42.67 | 37.75 | 38.68 | 34.07 |
| 225.0  | 48.50 | 48.50 | 49.11 | 50.34 | 46.04 | 46.96 | 49.73 | 36.22 | 34.99 |
| 247.5  | 54.33 | 49.42 | 43.59 | 44.81 | 46.04 | 47.58 | 39.29 | 35.30 | 37.75 |
| 270.0  | 50.95 | 47.27 | 44.51 | 44.81 | 40.21 | 41.44 | 38.06 | 35.91 | 37.45 |
| 292.5  | 52.18 | 48.19 | 46.96 | 42.97 | 43.89 | 41.75 | 44.51 | 39.90 | 36.83 |
| 315.0  | 48.19 | 42.05 | 42.97 | 40.21 | 41.44 | 37.14 | 37.14 | 30.70 | 31.92 |
| 337.5  | 43.89 | 50.65 | 43.89 | 43.59 | 50.03 | 47.88 | 37.14 | 38.06 | 32.54 |
| 360.0  | 47.88 | 49.42 | 49.11 | 45.12 | 42.97 | 37.45 | 37.75 | 38.68 | 31.62 |

Intensity data(cd)

|        |       |       |       |       |       |       |       |       |       |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C/γ(°) | 135.0 | 140.0 | 145.0 | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 |
| 0.0    | 27.93 | 23.64 | 16.27 | 10.74 | 3.99  | 4.91  | 0.00  | 0.00  | 0.00  |
| 22.5   | 29.47 | 27.01 | 19.64 | 11.05 | 2.46  | 4.91  | 0.61  | 2.15  | 1.84  |
| 45.0   | 32.54 | 28.85 | 12.58 | 6.14  | 0.00  | 1.84  | 6.45  | 2.15  | 0.31  |
| 67.5   | 34.07 | 25.17 | 20.26 | 8.90  | 3.07  | 4.60  | 0.31  | 3.68  | 3.38  |
| 90.0   | 30.08 | 26.09 | 16.88 | 4.60  | 1.53  | 2.46  | 7.67  | 5.22  | 0.00  |
| 112.5  | 24.25 | 22.10 | 20.87 | 12.58 | 3.99  | 1.84  | 0.31  | 2.46  | 4.30  |
| 135.0  | 28.85 | 25.17 | 18.72 | 10.44 | 3.68  | 2.46  | 0.00  | 2.46  | 4.30  |
| 157.5  | 28.85 | 19.03 | 17.80 | 13.81 | 4.30  | 0.31  | 2.76  | 4.60  | 3.68  |
| 180.0  | 30.39 | 23.02 | 19.34 | 12.89 | 2.76  | 2.46  | 3.99  | 4.60  | 3.07  |
| 202.5  | 31.31 | 32.23 | 23.02 | 15.96 | 12.28 | 9.21  | 2.15  | 3.68  | 0.92  |
| 225.0  | 33.76 | 31.00 | 22.41 | 15.04 | 7.98  | 3.68  | 2.76  | 6.45  | 3.38  |
| 247.5  | 32.54 | 32.23 | 25.78 | 14.73 | 7.98  | 4.60  | 1.84  | 4.30  | 0.00  |
| 270.0  | 26.09 | 27.01 | 24.56 | 19.03 | 6.75  | 2.15  | 0.00  | 0.00  | 4.30  |
| 292.5  | 34.99 | 25.48 | 16.88 | 13.51 | 6.45  | 4.30  | 4.60  | 0.31  | 0.61  |
| 315.0  | 31.00 | 28.85 | 20.87 | 10.13 | 6.45  | 7.06  | 3.07  | 0.92  | 2.15  |
| 337.5  | 28.55 | 28.85 | 18.42 | 7.98  | 4.60  | 3.07  | 3.38  | 4.30  | 4.60  |
| 360.0  | 27.93 | 23.64 | 16.27 | 10.74 | 3.99  | 4.91  | 0.00  | 0.00  | 0.00  |
| C/γ(°) | 180.0 |       |       |       |       |       |       |       |       |
| 0.0    | 5.53  |       |       |       |       |       |       |       |       |
| 22.5   | 3.99  |       |       |       |       |       |       |       |       |
| 45.0   | 2.46  |       |       |       |       |       |       |       |       |
| 67.5   | 2.76  |       |       |       |       |       |       |       |       |
| 90.0   | 7.06  |       |       |       |       |       |       |       |       |
| 112.5  | 3.38  |       |       |       |       |       |       |       |       |
| 135.0  | 4.30  |       |       |       |       |       |       |       |       |
| 157.5  | 0.00  |       |       |       |       |       |       |       |       |
| 180.0  | 5.53  |       |       |       |       |       |       |       |       |
| 202.5  | 3.99  |       |       |       |       |       |       |       |       |
| 225.0  | 2.46  |       |       |       |       |       |       |       |       |
| 247.5  | 2.76  |       |       |       |       |       |       |       |       |
| 270.0  | 7.06  |       |       |       |       |       |       |       |       |
| 292.5  | 3.38  |       |       |       |       |       |       |       |       |
| 315.0  | 4.30  |       |       |       |       |       |       |       |       |
| 337.5  | 0.00  |       |       |       |       |       |       |       |       |
| 360.0  | 5.53  |       |       |       |       |       |       |       |       |