

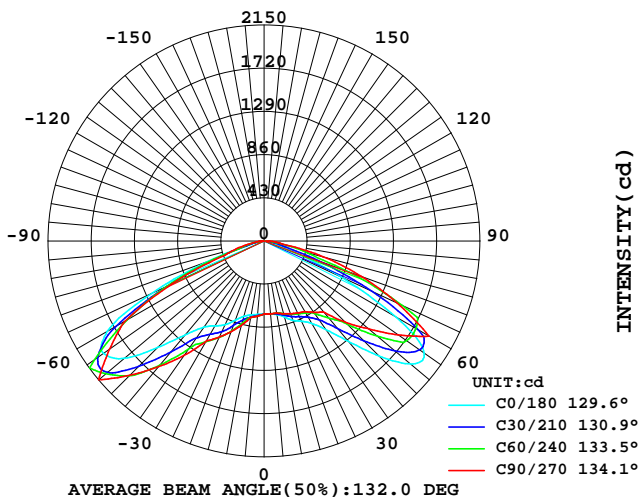
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

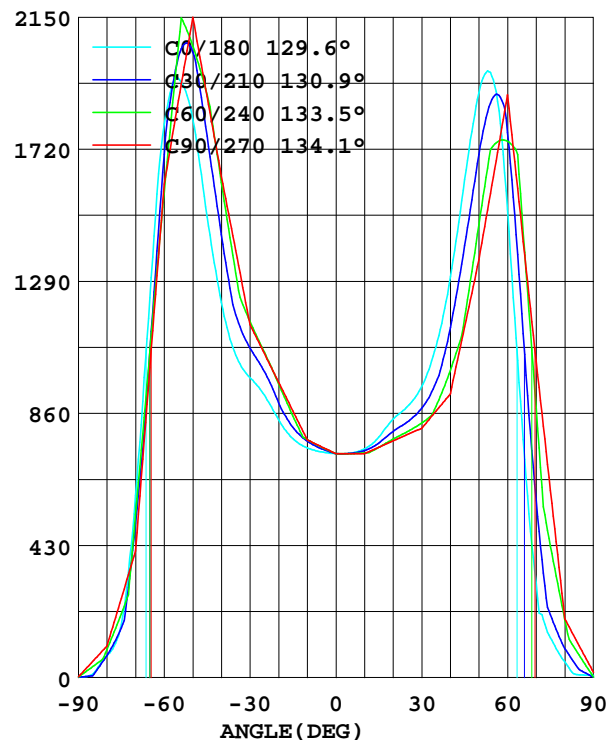
| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-YC-40W | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| | | | | | |
|------------------|--------|-----------------------|--------|------------------|-------|
| DATA OF LAMP | | I _{max} (cd) | 2169 | S/MH(C0/180) | 2.62 |
| MODEL | | EFFICIENCY(%) | 100.0 | S/MH(C90/270) | 2.51 |
| NOMINAL POWER(W) | 38 | TOTAL FLUX(lm) | 5798.1 | Voltage(V) | 219.6 |
| RATED VOLTAGE(V) | 220 | EFFICIENCY(lm/W) | 152.7 | Current(A) | 0.180 |
| NOMINAL FLUX(lm) | 5798.2 | η up(%) | 0.0 | Power(W) | 37.97 |
| LAMPS QUANTITY | 1 | η down(%) | 100.0 | Power Factor(PF) | 0.957 |
| TEST VOLTAGE(V) | 219.7 | Effective Flux(lm) | 5684.4 | EEI | 0.091 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年11月17日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

Color Temperature Data List

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-YC-40W | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

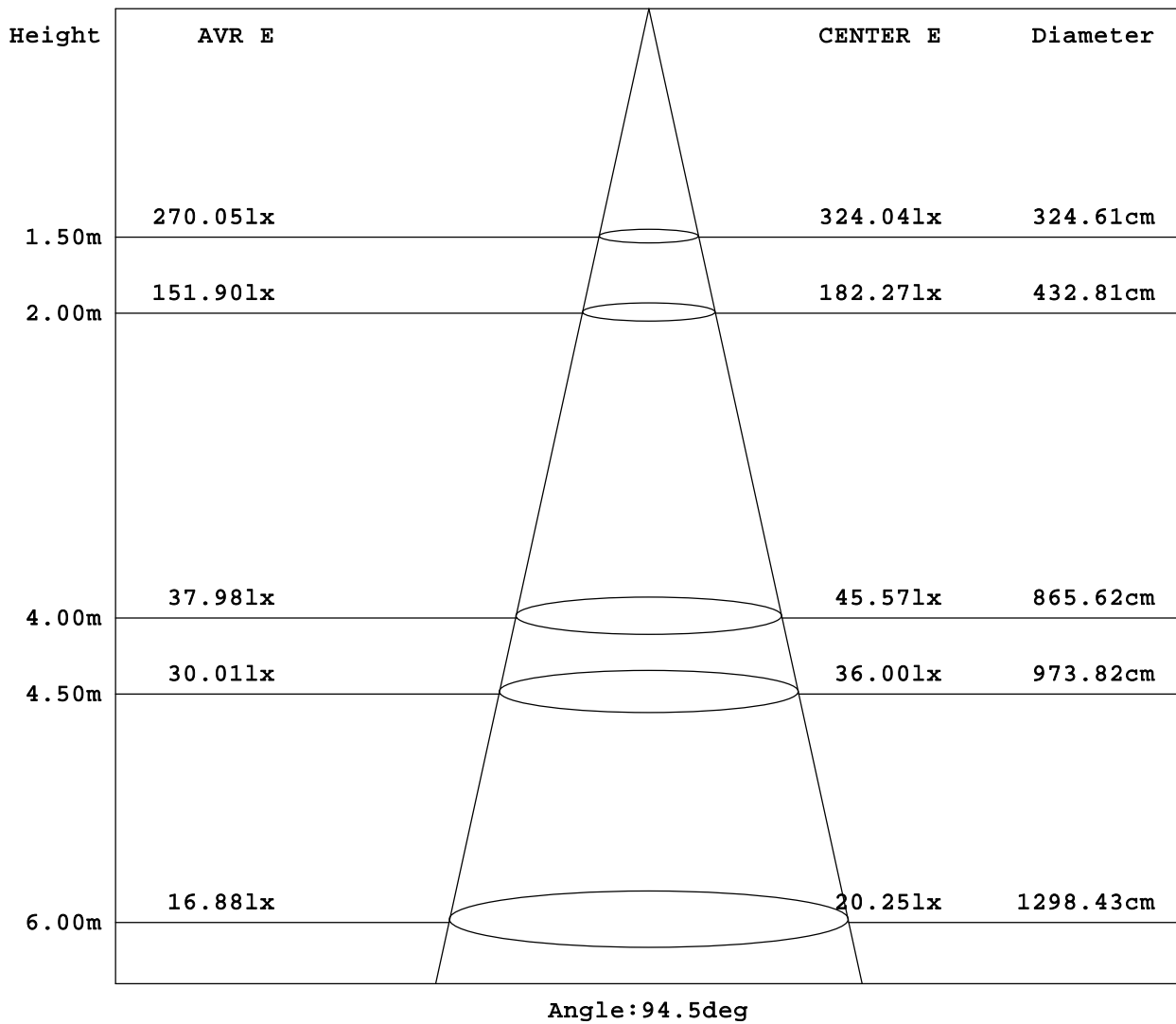
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
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AVERAGE AND CENTER E Figure

Report number:

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| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-YC-40W | TYPE: | WEIGHT: |
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Test System: HOP00 HPG1900
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018年11月17日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.500 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-YC-40W | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Zone | total |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|---------|-------|
| 5.0 | 734.9 | 748.5 | 751.5 | 746.5 | 730.6 | 729.5 | 729.2 | 732.6 | 0- 5 | 17.56 | 17.56 |
| 10.0 | 748.1 | 773.9 | 773.9 | 775.0 | 744.6 | 734.6 | 729.4 | 738.5 | 5- 10 | 53.37 | 70.94 |
| 15.0 | 778.0 | 823.8 | 867.6 | 828.7 | 783.4 | 751.2 | 750.3 | 753.1 | 10- 15 | 91.77 | 162.7 |
| 20.0 | 839.2 | 928.2 | 961.2 | 914.3 | 841.5 | 784.2 | 771.1 | 790.3 | 15- 20 | 136.3 | 299.0 |
| 25.0 | 919.5 | 1025 | 1055 | 986.2 | 882.5 | 809.4 | 791.5 | 829.0 | 20- 25 | 186.1 | 485.1 |
| 30.0 | 976.5 | 1125 | 1149 | 1101 | 948.3 | 848.4 | 811.8 | 864.8 | 25- 30 | 239.6 | 724.8 |
| 35.0 | 1050 | 1285 | 1391 | 1290 | 1078 | 923.7 | 867.7 | 919.0 | 30- 35 | 304.3 | 1029 |
| 40.0 | 1222 | 1525 | 1632 | 1538 | 1305 | 1051 | 923.6 | 1019 | 35- 40 | 396.4 | 1426 |
| 45.0 | 1499 | 1842 | 1891 | 1834 | 1622 | 1288 | 1142 | 1227 | 40- 45 | 523.1 | 1949 |
| 50.0 | 1818 | 2107 | 2150 | 2069 | 1905 | 1560 | 1361 | 1483 | 45- 50 | 677.7 | 2627 |
| 55.0 | 1951 | 2008 | 1879 | 1891 | 1947 | 1796 | 1629 | 1777 | 50- 55 | 807.9 | 3435 |
| 60.0 | 1803 | 1704 | 1607 | 1528 | 1526 | 1835 | 1898 | 1899 | 55- 60 | 833.9 | 4269 |
| 65.0 | 1237 | 1042 | 1010 | 922.7 | 840.3 | 1351 | 1463 | 1473 | 60- 65 | 707.3 | 4976 |
| 70.0 | 592.8 | 520.9 | 412.2 | 452.2 | 306.8 | 786.8 | 1028 | 921.9 | 65- 70 | 451.6 | 5427 |
| 75.0 | 173.3 | 179.1 | 257.4 | 168.2 | 129.5 | 280.9 | 609.6 | 352.7 | 70- 75 | 221.3 | 5649 |
| 80.0 | 71.77 | 76.83 | 102.7 | 74.35 | 51.48 | 135.0 | 191.2 | 156.0 | 75- 80 | 100.0 | 5749 |
| 85.0 | 10.69 | 24.89 | 52.53 | 24.10 | 8.930 | 56.86 | 104.1 | 54.29 | 80- 85 | 37.74 | 5787 |
| 90.0 | 3.638 | 1.212 | 2.315 | 1.543 | 7.166 | 1.212 | 17.08 | 1.212 | 85- 90 | 11.43 | 5798 |
| 95.0 | | | | | | | | | 90- 95 | | |
| 100.0 | | | | | | | | | 95-100 | | |
| 105.0 | | | | | | | | | 100-105 | | |
| 110.0 | | | | | | | | | 105-110 | | |
| 115.0 | | | | | | | | | 110-115 | | |
| 120.0 | | | | | | | | | 115-120 | | |
| 125.0 | | | | | | | | | 120-125 | | |
| 130.0 | | | | | | | | | 125-130 | | |
| 135.0 | | | | | | | | | 130-135 | | |
| 140.0 | | | | | | | | | 135-140 | | |
| 145.0 | | | | | | | | | 140-145 | | |
| 150.0 | | | | | | | | | 145-150 | | |
| 155.0 | | | | | | | | | 150-155 | | |
| 160.0 | | | | | | | | | 155-160 | | |
| 165.0 | | | | | | | | | 160-165 | | |
| 170.0 | | | | | | | | | 165-170 | | |
| 175.0 | | | | | | | | | 170-175 | | |
| 180.0 | | | | | | | | | 175-180 | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

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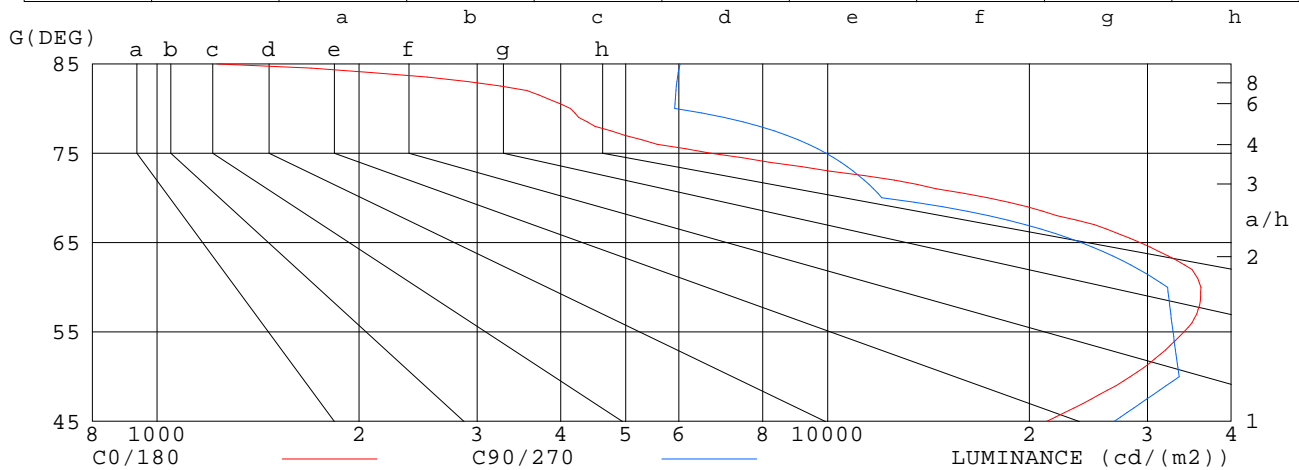
LUMINANCE LIMITATION CURVES

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-YC-40W | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1227 | 6028 |
| 80 | 4133 | 5917 |
| 75 | 6696 | 9949 |
| 70 | 17333 | 12053 |
| 65 | 29262 | 23891 |
| 60 | 36056 | 32142 |
| 55 | 34020 | 32755 |
| 50 | 28278 | 33455 |
| 45 | 21198 | 26745 |

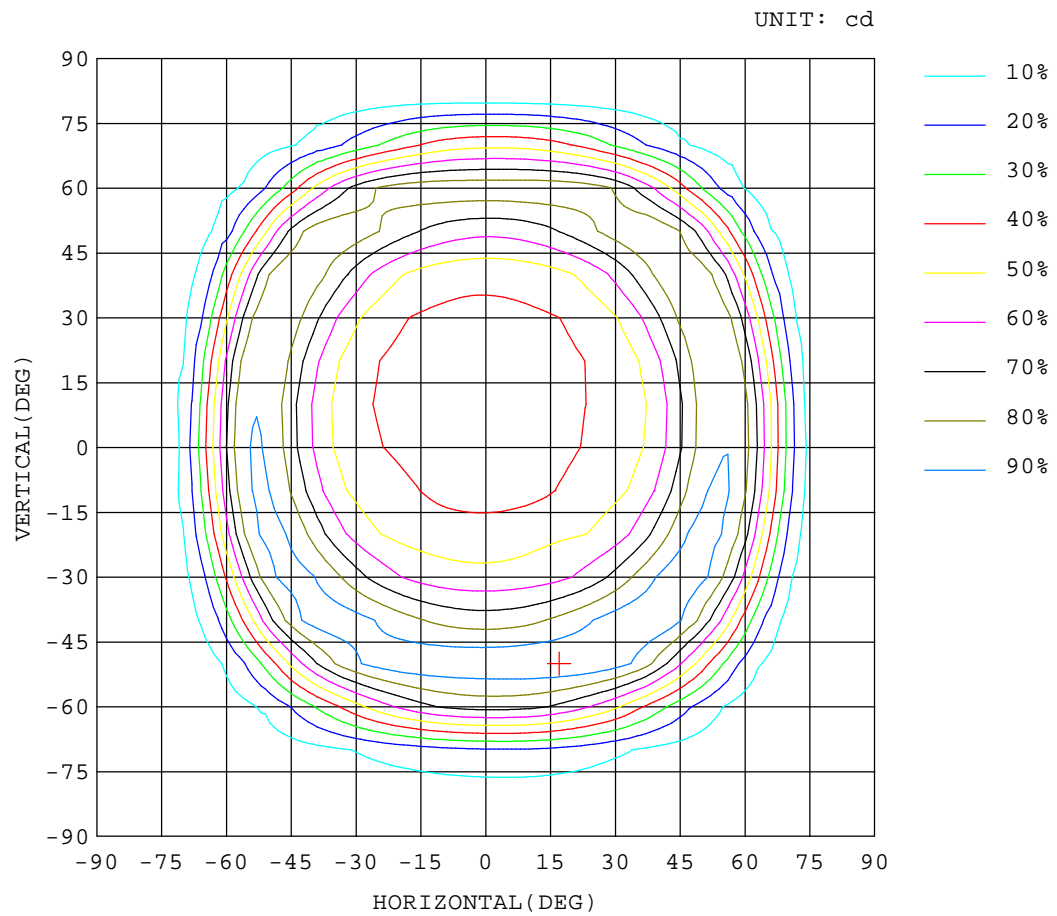
Test System:HOP00 HPG1900
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 Test Distance:10.500 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-YC-40W | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年11月17日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

Uncorrected UGR Table

Report number:

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|-------------|------|
| MANUFACTURER: LITIAN | | | | | | Address: | | | | |
| NAME: LT-YC-40W | | | | | | TYPE: | | | WEIGHT: | |
| SPECIFICATION: | | | | | | DIMENSION: | | | SERIAL No.: | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 26.8 | 28.6 | 27.1 | 28.8 | 29.0 | 26.6 | 28.3 | 26.8 | 28.5 | 28.7 |
| 3H | 27.6 | 29.2 | 27.9 | 29.4 | 29.7 | 27.2 | 28.8 | 27.5 | 29.0 | 29.3 |
| 4H | 27.5 | 29.1 | 27.9 | 29.3 | 29.6 | 27.2 | 28.8 | 27.6 | 29.0 | 29.3 |
| 6H | 27.5 | 28.9 | 27.8 | 29.2 | 29.5 | 27.2 | 28.6 | 27.5 | 28.9 | 29.2 |
| 8H | 27.4 | 28.8 | 27.8 | 29.1 | 29.4 | 27.2 | 28.6 | 27.5 | 28.8 | 29.2 |
| 12H | 27.4 | 28.7 | 27.7 | 29.0 | 29.3 | 27.1 | 28.5 | 27.5 | 28.8 | 29.1 |
| 4H 2H | 27.3 | 28.8 | 27.6 | 29.0 | 29.3 | 27.1 | 28.6 | 27.4 | 28.8 | 29.1 |
| 3H | 28.0 | 29.3 | 28.4 | 29.6 | 29.9 | 27.7 | 29.0 | 28.1 | 29.3 | 29.7 |
| 4H | 28.0 | 29.2 | 28.4 | 29.5 | 29.9 | 27.8 | 29.0 | 28.2 | 29.3 | 29.7 |
| 6H | 27.9 | 29.0 | 28.3 | 29.4 | 29.7 | 27.8 | 28.9 | 28.2 | 29.2 | 29.6 |
| 8H | 27.9 | 28.9 | 28.3 | 29.3 | 29.7 | 27.8 | 28.8 | 28.2 | 29.2 | 29.6 |
| 12H | 27.9 | 28.8 | 28.3 | 29.2 | 29.6 | 27.8 | 28.7 | 28.2 | 29.1 | 29.5 |
| 8H 4H | 27.9 | 28.9 | 28.4 | 29.3 | 29.7 | 27.7 | 28.7 | 28.2 | 29.1 | 29.5 |
| 6H | 27.9 | 28.7 | 28.4 | 29.1 | 29.6 | 27.8 | 28.6 | 28.3 | 29.0 | 29.5 |
| 8H | 27.9 | 28.6 | 28.4 | 29.0 | 29.5 | 27.8 | 28.5 | 28.3 | 29.0 | 29.4 |
| 12H | 27.9 | 28.5 | 28.4 | 28.9 | 29.4 | 27.8 | 28.5 | 28.3 | 28.9 | 29.4 |
| 12H 4H | 27.9 | 28.8 | 28.3 | 29.2 | 29.6 | 27.7 | 28.6 | 28.1 | 29.0 | 29.4 |
| 6H | 27.9 | 28.6 | 28.4 | 29.0 | 29.5 | 27.8 | 28.5 | 28.2 | 28.9 | 29.4 |
| 8H | 27.9 | 28.5 | 28.4 | 28.9 | 29.4 | 27.8 | 28.4 | 28.3 | 28.9 | 29.3 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 1.2 / - 1.0 | | | | | + 1.0 / - 1.1 | | | | |
| 2.0H | + 0.8 / - 2.8 | | | | | + 0.6 / - 1.9 | | | | |

CIE Pub.117 Corrected 5798 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.1)

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