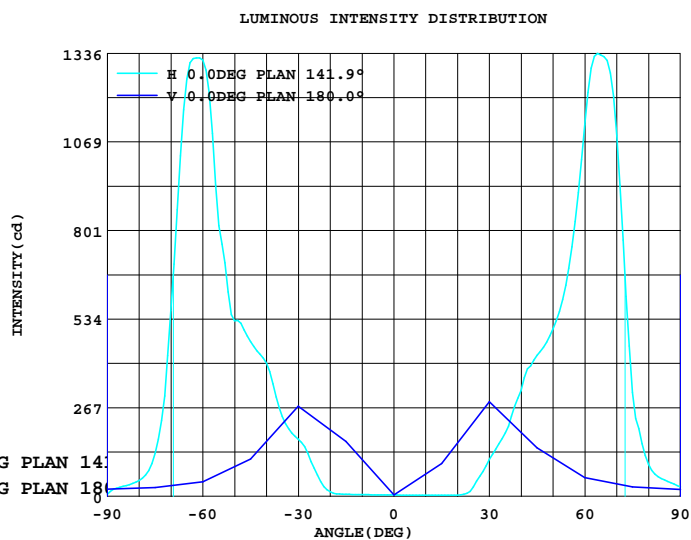
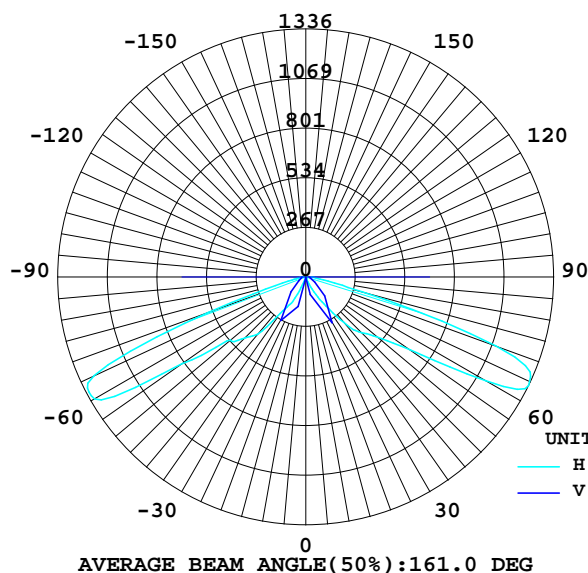


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-BL-24w | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| | | | | | |
|----------------------|--------|----------------------|---------------|------------------|-------|
| MODEL: | | | | | |
| NOMINAL POWER(W): | 20 | Imax(cd): | 1336 | Voltage(V) | 219.6 |
| RATED VOLTAGE(V): | 220 | AVAILABILITY(%): | 85.1 | Current(A) | 0.093 |
| NOMINAL FLUX(lm): | 1194 | Avail. FLUX(lm): | 1016 | Power(W) | 19.84 |
| TEST FLUX(lm): | 1194 | EFFICIENCY(%): | 100.0 | Power Factor(PF) | 0.964 |
| LAMPS QUANTITY : | 1 | TOTAL FLUX(lm): | 1194 | EFFICIENCY(lm/W) | 60.2 |
| Effective Flux(lm) : | 1016.2 | θ @50%(H, V): | 141.9,63.6DEG | EEL: | 0.255 |



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2020年11月07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-BL-24w | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

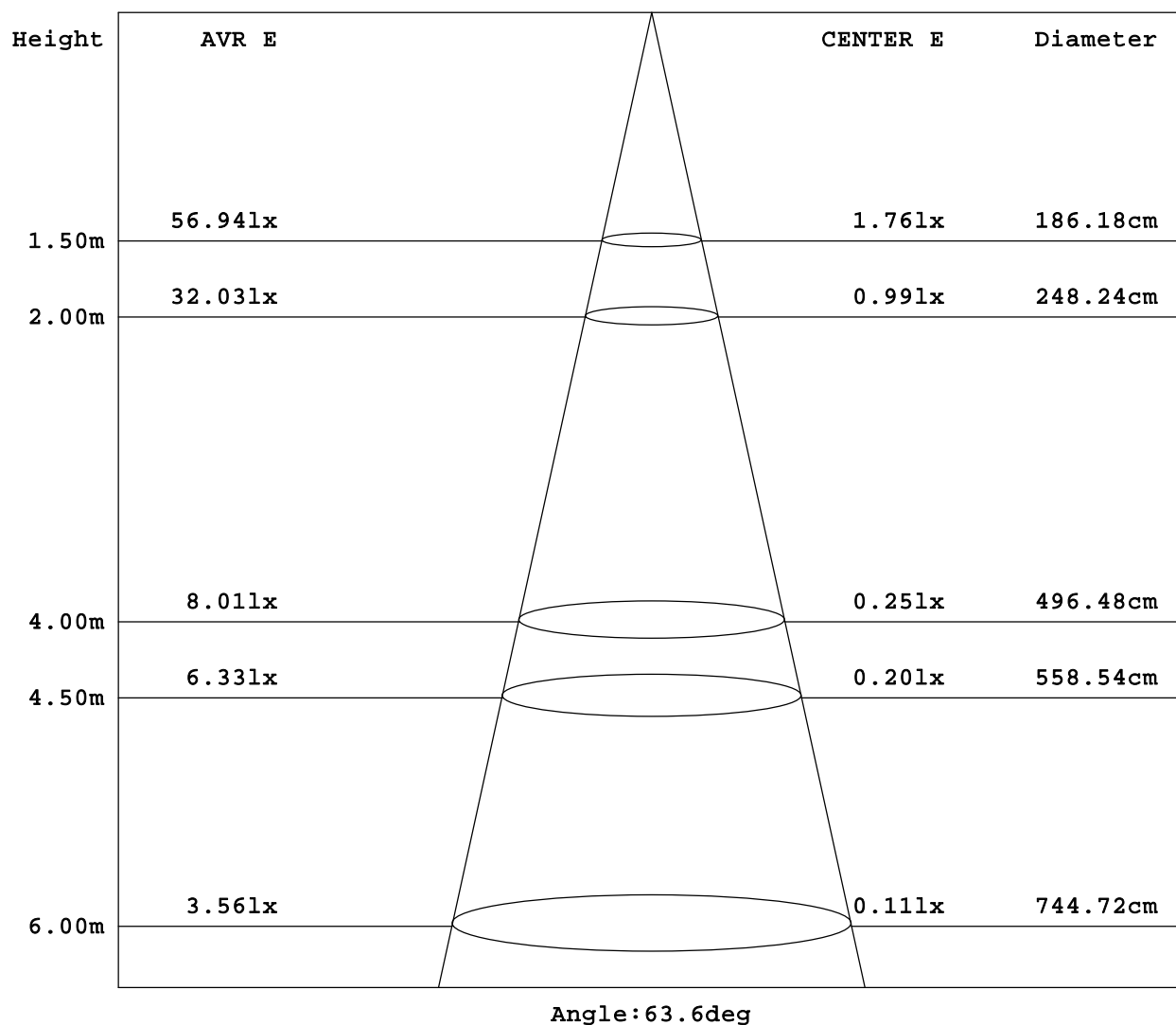
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2020年11月07日

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

AVERAGE AND CENTER E Figure

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-BL-24w | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



Test System: HOP00 HPG1900
Temperature: 25.3DEG
Operators:
Test Date: 2020年11月07日

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

AREA LUMINOUS FLUX

Report number:

| | | | |
|----------------------|------------|-------------|--|
| MANUFACTURER: LITIAN | Address: | | |
| NAME: LT-BL-24w | TYPE: | WEIGHT: | |
| SPECIFICATION: | DIMENSION: | SERIAL No.: | |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | UNIT:lm | | | Φ t | Φ a | | | | | | | |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|---------|------|------|-----|-----|----|----|----|----|----|----|----|
| | 0.03 | 0.08 | 0.11 | 0.16 | 0.25 | 0.31 | 0.43 | 0.54 | 0.59 | 0.57 | 0.52 | 0.42 | 0.31 | 0.26 | 0.17 | 0.11 | 0.08 | 0.04 | 4.99 | 0.00 | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 0.04 | 0.11 | 0.17 | 0.28 | 0.57 | 0.69 | 0.66 | 0.71 | 0.72 | 0.70 | 0.67 | 0.62 | 0.64 | 0.61 | 0.37 | 0.17 | 0.11 | 0.05 | 7.87 | 0.00 | | | | | | | | | |
| 70 | 0.05 | 0.17 | 0.28 | 0.52 | 1.18 | 1.42 | 1.11 | 1.07 | 1.03 | 0.98 | 0.99 | 1.02 | 1.28 | 1.28 | 0.76 | 0.30 | 0.17 | 0.07 | 13.7 | 0.00 | | | | | | | | | |
| 60 | 0.07 | 0.25 | 0.71 | 1.33 | 1.43 | 1.76 | 1.95 | 1.99 | 2.02 | 1.95 | 1.83 | 1.80 | 1.66 | 1.37 | 1.39 | 0.95 | 0.32 | 0.08 | 22.9 | 0.00 | | | | | | | | | |
| 50 | 0.08 | 0.37 | 1.92 | 4.12 | 3.12 | 2.89 | 3.44 | 3.78 | 3.79 | 3.64 | 3.63 | 3.43 | 2.90 | 2.37 | 3.40 | 3.02 | 0.64 | 0.10 | 46.6 | 32.0 | | | | | | | | | |
| 40 | 0.09 | 0.54 | 3.96 | 8.90 | 5.99 | 4.65 | 5.73 | 6.62 | 6.58 | 6.28 | 6.52 | 6.02 | 4.87 | 4.00 | 6.76 | 6.56 | 1.15 | 0.12 | 85.4 | 84.2 | | | | | | | | | |
| 30 | 0.09 | 0.97 | 9.98 | 15.8 | 13.4 | 13.4 | 13.5 | 12.6 | 10.8 | 10.1 | 10.9 | 11.6 | 11.4 | 11.5 | 13.8 | 12.3 | 1.95 | 0.15 | 175 | 174 | | | | | | | | | |
| | 0.10 | 1.14 | 12.0 | 18.5 | 15.8 | 14.3 | 12.2 | 10.0 | 8.02 | 7.20 | 8.32 | 9.62 | 11.0 | 13.0 | 15.3 | 15.0 | 3.46 | 0.17 | 176 | 171 | | | | | | | | | |
| | 0.11 | 1.21 | 12.7 | 19.4 | 16.2 | 11.6 | 5.68 | 1.85 | 0.58 | 0.22 | 0.88 | 2.60 | 6.76 | 12.1 | 14.3 | 16.5 | 5.75 | 0.18 | 129 | 123 | | | | | | | | | |
| | 0.09 | 1.77 | 16.1 | 14.5 | 8.72 | 4.74 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 4.02 | 8.37 | 12.2 | 17.3 | 3.74 | 0.16 | 93.4 | 89.9 | | | | | | | | | |
| | 0.09 | 1.42 | 12.7 | 14.6 | 10.2 | 7.76 | 5.24 | 3.58 | 3.10 | 2.84 | 3.03 | 3.95 | 6.45 | 9.28 | 11.7 | 15.0 | 3.32 | 0.15 | 115 | 113 | | | | | | | | | |
| -30 | 0.10 | 0.49 | 4.23 | 15.9 | 15.5 | 16.1 | 13.8 | 10.1 | 8.80 | 8.09 | 8.63 | 10.8 | 12.5 | 12.1 | 11.1 | 9.46 | 2.72 | 0.13 | 161 | 160 | | | | | | | | | |
| -40 | 0.07 | 0.48 | 4.31 | 10.3 | 8.90 | 8.24 | 9.57 | 10.9 | 10.2 | 9.10 | 9.34 | 8.95 | 7.14 | 5.43 | 6.74 | 5.43 | 0.55 | 0.10 | 116 | 115 | | | | | | | | | |
| -50 | 0.06 | 0.29 | 1.72 | 5.54 | 4.64 | 3.82 | 5.60 | 7.41 | 7.30 | 6.62 | 6.59 | 5.76 | 3.67 | 1.96 | 3.02 | 2.11 | 0.20 | 0.08 | 66.4 | 55.4 | | | | | | | | | |
| -60 | 0.06 | 0.14 | 0.01 | 0.27 | 0.13 | 0.00 | 0.02 | 0.13 | 0.38 | 0.51 | 0.31 | 0.10 | 0.01 | 0.00 | 0.01 | 0.03 | 0.09 | 0.05 | 2.25 | 0.02 | | | | | | | | | |
| -70 | 0.05 | 0.14 | 0.11 | 0.12 | 0.56 | 1.39 | 1.15 | 0.92 | 0.71 | 0.61 | 0.61 | 0.81 | 1.08 | 1.25 | 0.44 | 0.08 | 0.10 | 0.05 | 10.1 | 0.00 | | | | | | | | | |
| -80 | 0.04 | 0.09 | 0.07 | 0.10 | 0.31 | 0.91 | 0.64 | 0.41 | 0.36 | 0.35 | 0.32 | 0.35 | 0.64 | 0.87 | 0.29 | 0.07 | 0.06 | 0.04 | 5.92 | 0.00 | | | | | | | | | |
| -90 | 0.03 | 0.08 | 0.05 | 0.02 | 0.19 | 0.31 | 0.32 | 0.36 | 0.44 | 0.44 | 0.39 | 0.27 | 0.22 | 0.21 | 0.23 | 0.03 | 0.05 | 0.03 | 3.67 | 0.00 | | | | | | | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | HORIZONTAL (DEG) | | | | | | | | | | | | | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| Φ t | 1.25 | 9.75 | 81.3 | 131 | 107 | 94.5 | 82.3 | 73.2 | 65.4 | 60.2 | 63.5 | 68.6 | 76.7 | 86.1 | 102 | 105 | 24.5 | 1.76 | 1194 | | | | | | | | | | |
| Φ a | 0.00 | 4.86 | 78.2 | 127 | 101 | 85.2 | 72.6 | 62.7 | 54.8 | 50.3 | 53.4 | 59.0 | 67.9 | 78.9 | 97.2 | 102 | 21.5 | 0.00 | | 1016 | | | | | | | | | |

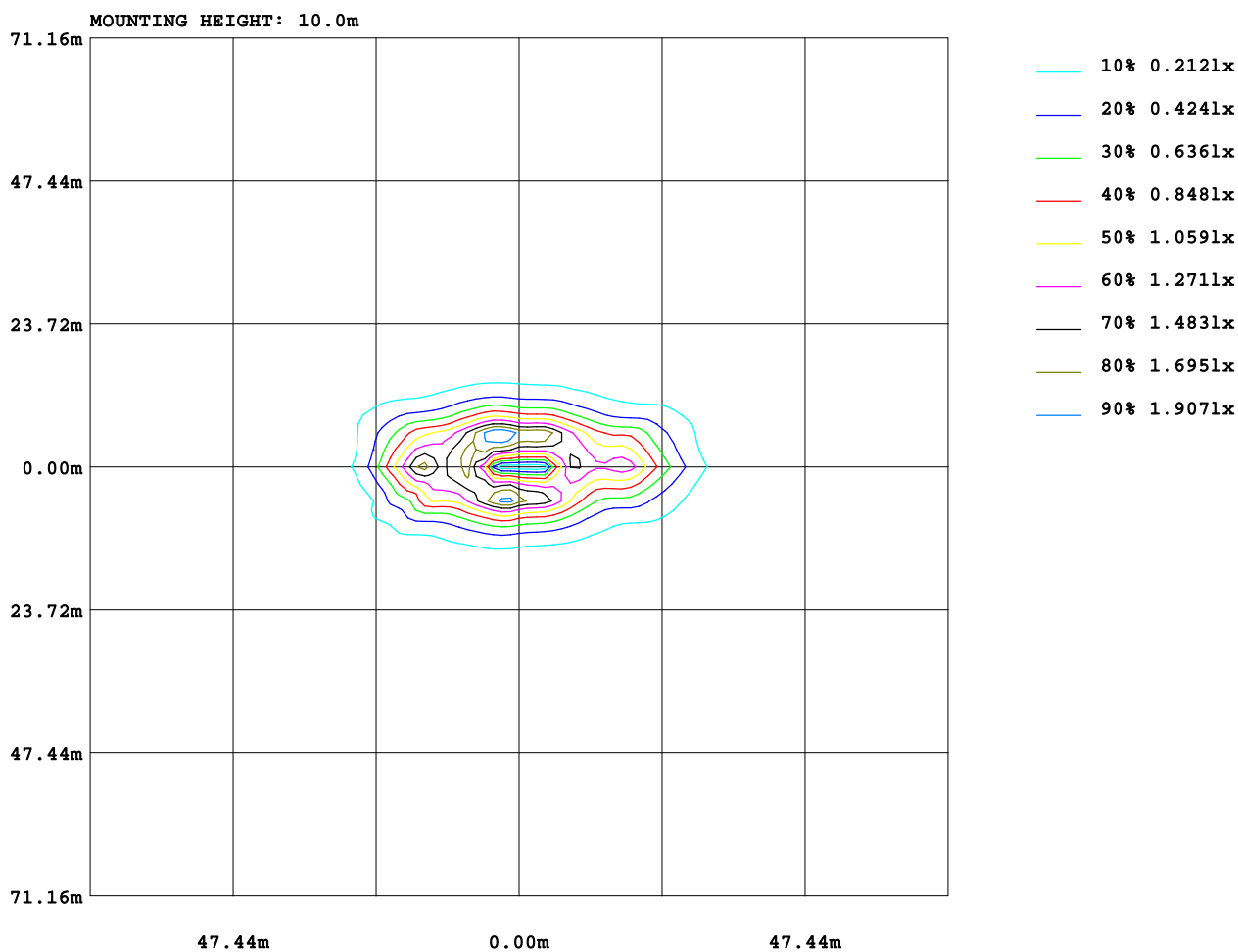
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2020年11月07日

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

ISOLUX DIAGRAM

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: LITIAN | Address: | |
| NAME: LT-BL-24w | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2020年11月07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-BL-24w | | | | | | 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 | | | | |
| x = 2H y = 2H | | | | | | Viewed endwise | | | | |
| 3H | | | | | | 11.1 | 12.8 | 11.4 | 13.1 | 13.3 |
| 4H | | | | | | 11.7 | 13.4 | 12.0 | 13.6 | 13.9 |
| 6H | | | | | | 12.2 | 13.7 | 12.5 | 14.0 | 14.3 |
| 8H | | | | | | 12.8 | 14.3 | 13.2 | 14.6 | 14.9 |
| 12H | | | | | | 13.3 | 14.8 | 13.7 | 15.0 | 15.4 |
| 2H | | | | | | 14.0 | 15.4 | 14.4 | 15.7 | 16.0 |
| 4H | | | | | | 12.6 | 14.1 | 12.9 | 14.4 | 14.6 |
| 6H | | | | | | 13.2 | 14.6 | 13.6 | 14.9 | 15.2 |
| 8H | | | | | | 13.7 | 14.9 | 14.1 | 15.3 | 15.6 |
| 12H | | | | | | 14.4 | 15.5 | 14.8 | 15.9 | 16.3 |
| 2H | | | | | | 15.0 | 16.0 | 15.4 | 16.4 | 16.8 |
| 4H | | | | | | 15.7 | 16.6 | 16.1 | 17.0 | 17.4 |
| 6H | | | | | | 14.6 | 15.6 | 15.0 | 16.0 | 16.4 |
| 8H | | | | | | 15.4 | 16.3 | 15.9 | 16.7 | 17.1 |
| 12H | | | | | | 16.0 | 16.8 | 16.5 | 17.2 | 17.7 |
| 2H | | | | | | 16.9 | 17.6 | 17.4 | 18.0 | 18.5 |
| 4H | | | | | | 14.7 | 15.6 | 15.1 | 16.0 | 16.4 |
| 6H | | | | | | 15.6 | 16.4 | 16.1 | 16.8 | 17.2 |
| 8H | | | | | | 16.3 | 17.0 | 16.8 | 17.4 | 17.9 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | | + 0.9 / - 0.9 | | | | + 0.8 / - 0.8 | | | | |
| 1.5H | | + 2.2 / - 2.8 | | | | + 1.6 / - 0.6 | | | | |
| 2.0H | | + 3.6 / - 7.1 | | | | + 0.5 / - 0.5 | | | | |

CIE Pub.117 Corrected 1194 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2020年11月07日

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