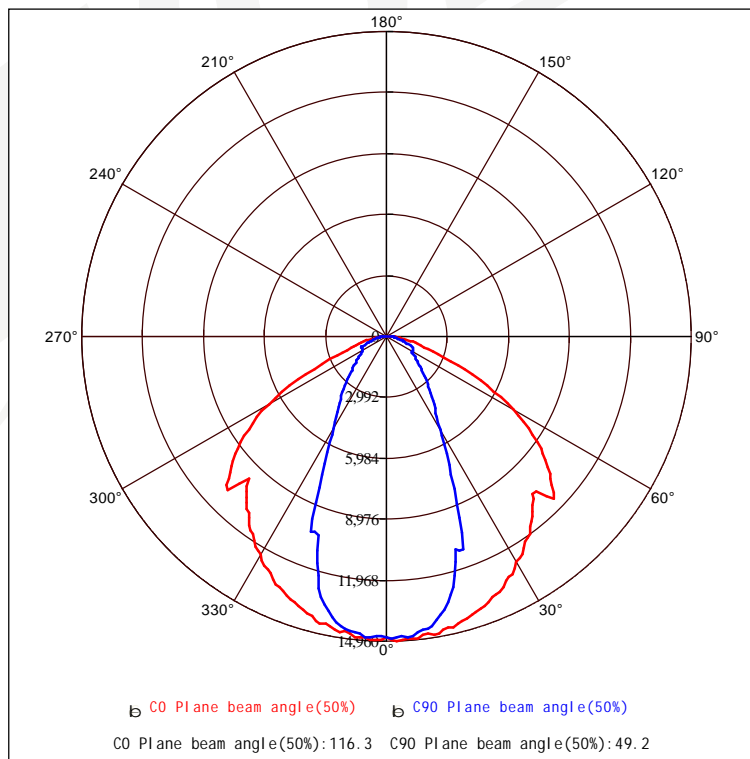


Goniophotometer Test Report

| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | | | | | |
|--|-------------|-----------------------|------------------|---------------------|------------------|-------|
| Lamp Name: LED FLOOD LIGHT | | Lamp Type: | | Weight(kg): | | |
| Lamp ID: LPFL-300M01 | | Lamp Spec: | | Shape Size: | | |
| Manufactory: LIPER | | Sur(m ²): | | Protect Angle(Deg): | | |
| Light Source Data | | | Photometric Data | | | |
| Model | LPFL-300M01 | | Peak Value(cd) | 15001.5 | Efficiency(lm/w) | 100.7 |
| Nominal P(w) | 1.0 | | Position | 180.0, 1.0 | UP(C0-C180) | 0.0 |
| Rated Volt(v) | 220.0 | | Total Flux(lm) | 29857.55 | Down(C0-C180) | 53.2 |
| Rated Flux(lm) | 1.0 | | Up Flux Rate(%) | 0.0 | UP(C180-C360) | 0.0 |
| Illuminant QTY | 1 | | Dw Flux Rate(%) | 100.0 | Down(C180-C360) | 46.8 |

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

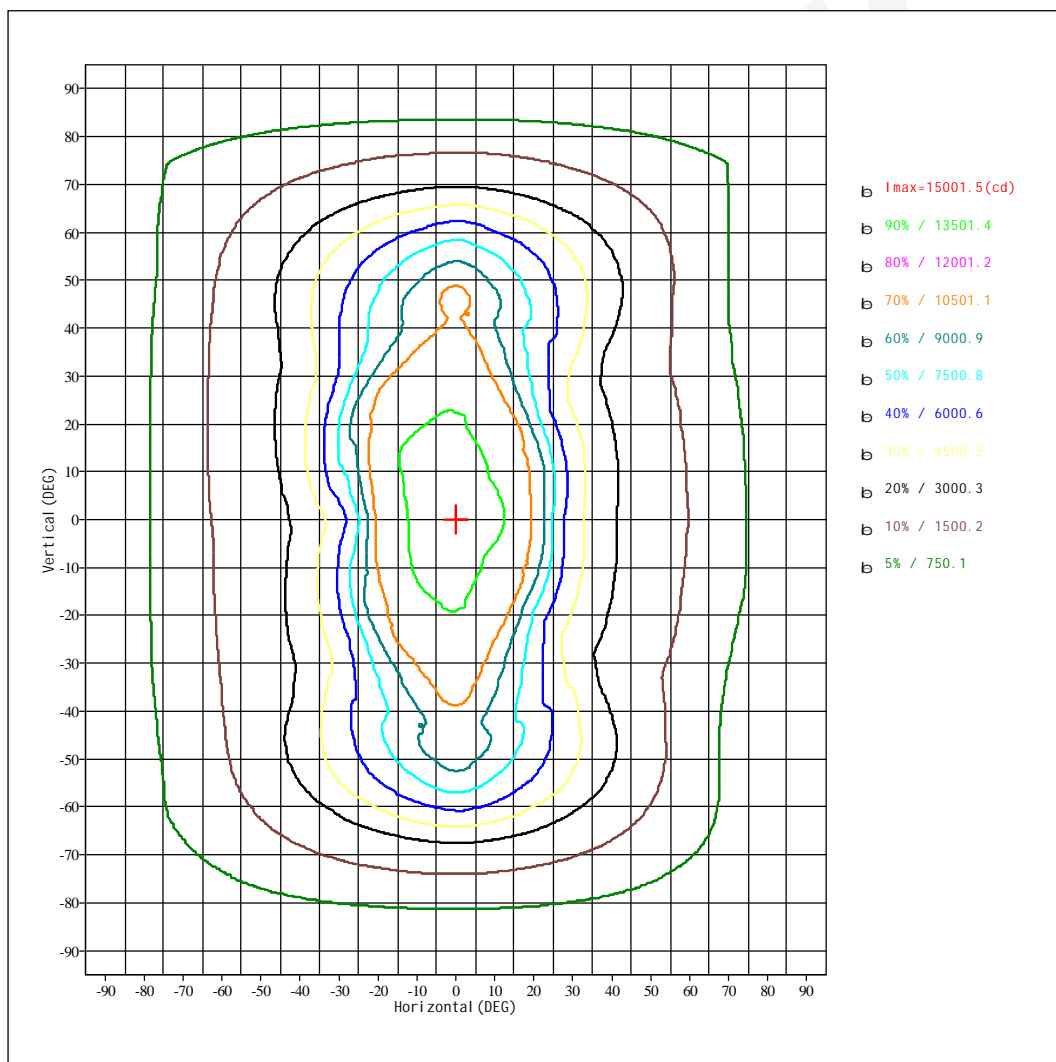
Humi di ty(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.551m | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Planar IsoCandela Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

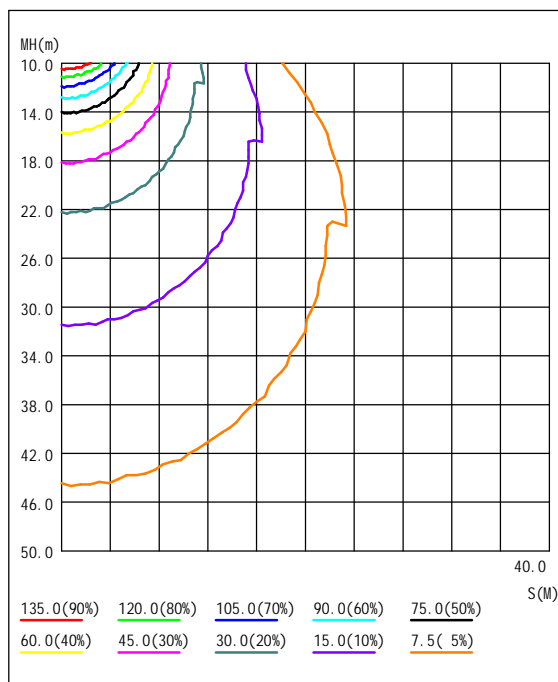
Humi di ty(%): 60

Date: 2023-10-24

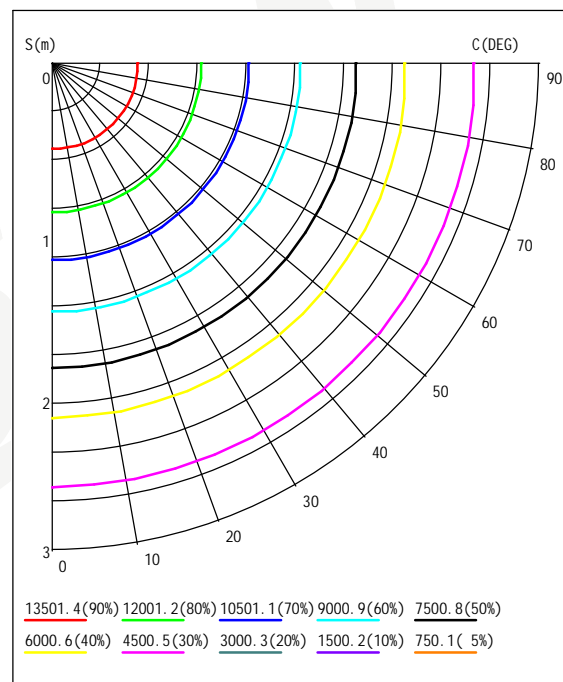
Remark:

| | | |
|--|------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|-----------------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m ²): | Protect Angle(Deg): |

Luminance Limit Curve

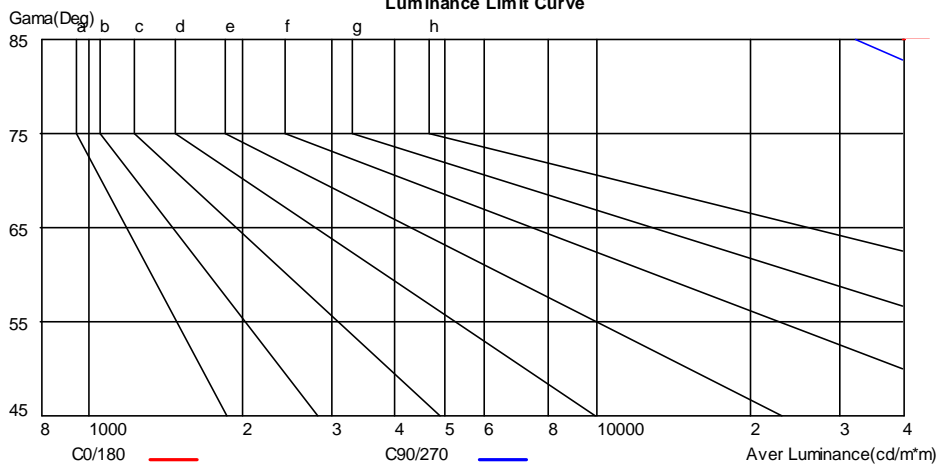
Aver Luminance(cd/m²)

| Gm(Deg) | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---------|-----------|-----------|----------|----------|----------|----------|----------|---------|---------|
| C0 | 1152533.3 | 1038995.6 | 883550.6 | 697528.3 | 489698.1 | 284925.9 | 168015.7 | 95668.6 | 45030.4 |
| C90 | 250797.2 | 200750.4 | 162934.8 | 148860.5 | 142520.4 | 108228.8 | 78025.9 | 52363.7 | 32282.7 |

Glare

| Glare | Class | Illuminance(lx) | | | | | | | |
|-------|-------|-----------------|------|------|-------|-------|-------|-------|-------|
| | | a | b | c | d | e | f | g | h |
| 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 |

Luminance Limit Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

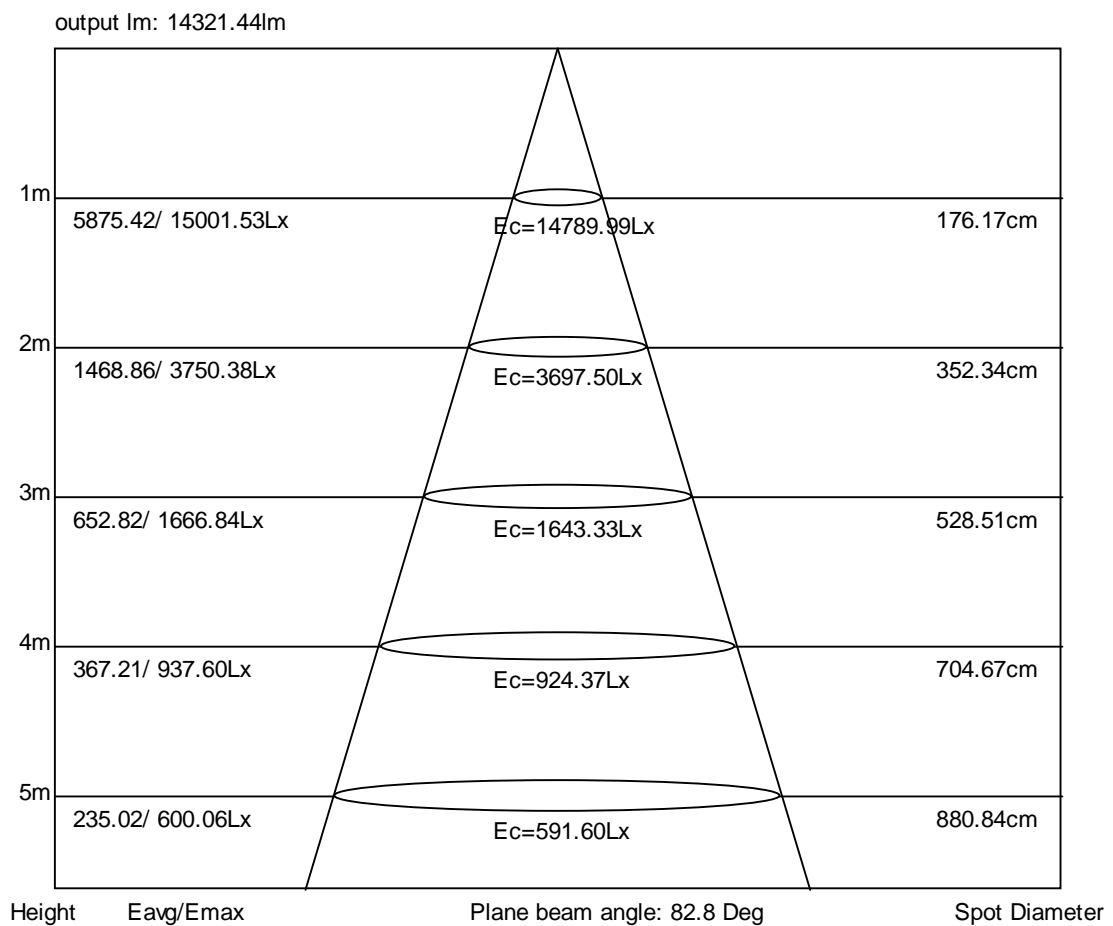
Humi di ty(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|-----------------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m ²): | Protect Angle(Deg): |

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

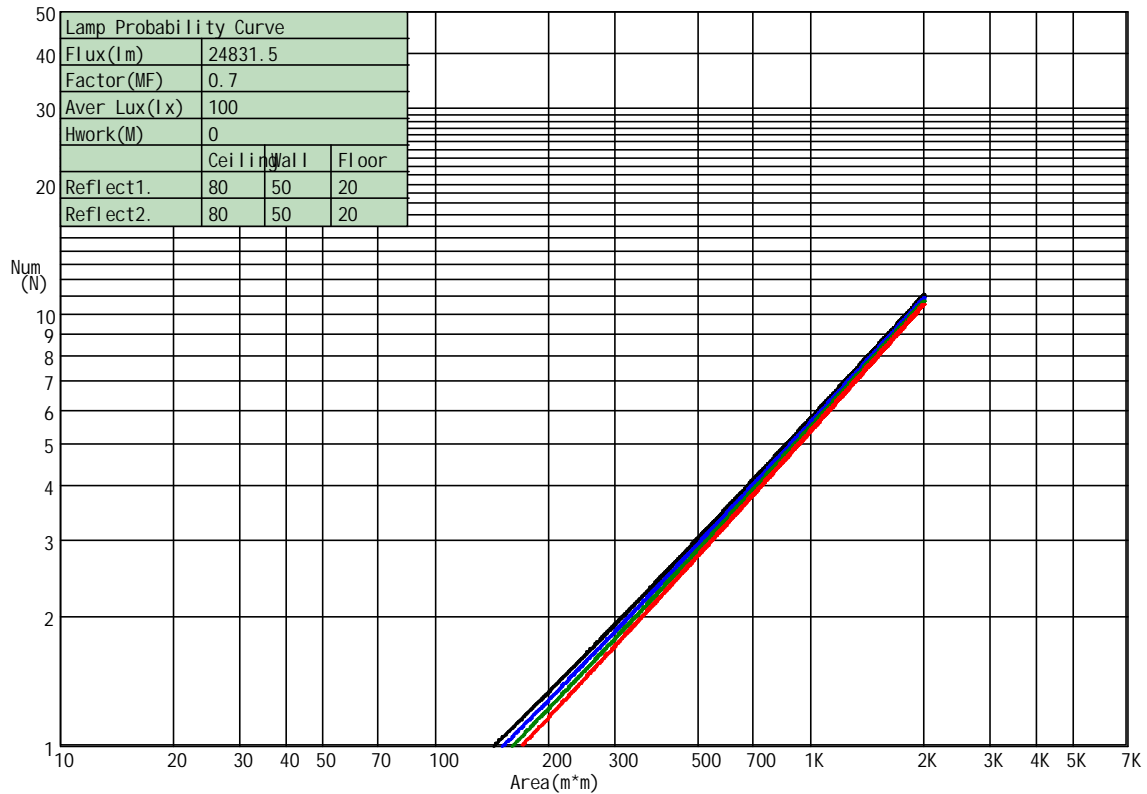
Humi di ty(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|-----------------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m ²): | Protect Angle(Deg): |

Lamp Probability Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

UF Table

| | | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 |
| Wall | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 |
| Floor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 0.60 | 62 | 49 | 41 | 60 | 48 | 41 | 58 | 47 | 40 |
| 0.80 | 66 | 52 | 42 | 64 | 51 | 42 | 60 | 49 | 41 |
| 1.00 | 68 | 54 | 43 | 66 | 52 | 43 | 62 | 50 | 41 |
| 1.25 | 70 | 55 | 43 | 68 | 53 | 42 | 63 | 50 | 41 |
| 1.50 | 72 | 55 | 43 | 68 | 53 | 42 | 63 | 50 | 40 |
| 2.00 | 73 | 56 | 42 | 69 | 54 | 41 | 63 | 50 | 39 |
| 2.50 | 73 | 55 | 40 | 69 | 53 | 39 | 62 | 48 | 37 |
| 3.00 | 73 | 55 | 39 | 69 | 52 | 38 | 62 | 47 | 35 |
| 4.00 | 74 | 54 | 38 | 69 | 52 | 36 | 61 | 46 | 33 |
| 5.00 | 74 | 54 | 37 | 69 | 51 | 35 | 60 | 45 | 32 |

CoEfficients Utilization

| | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ceiling(%) | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | |
| Wall (%) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Floor (%) | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | |
| 0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 |
| 1 | 1.06 | 1.02 | 0.99 | 1.04 | 1 | 0.97 | 1 | 0.97 | 0.94 | 0.96 | 0.93 | 0.91 | 0.92 | 0.9 | 0.89 |
| 2 | 0.94 | 0.88 | 0.83 | 0.93 | 0.87 | 0.82 | 0.89 | 0.84 | 0.8 | 0.86 | 0.82 | 0.79 | 0.83 | 0.8 | 0.77 |
| 3 | 0.84 | 0.77 | 0.71 | 0.83 | 0.76 | 0.71 | 0.8 | 0.74 | 0.7 | 0.77 | 0.73 | 0.68 | 0.75 | 0.71 | 0.67 |
| 4 | 0.76 | 0.68 | 0.62 | 0.75 | 0.67 | 0.62 | 0.72 | 0.66 | 0.61 | 0.7 | 0.65 | 0.6 | 0.68 | 0.63 | 0.59 |
| 5 | 0.69 | 0.61 | 0.55 | 0.68 | 0.6 | 0.55 | 0.66 | 0.59 | 0.54 | 0.64 | 0.58 | 0.54 | 0.62 | 0.57 | 0.53 |
| 6 | 0.63 | 0.55 | 0.49 | 0.62 | 0.54 | 0.49 | 0.6 | 0.54 | 0.48 | 0.59 | 0.53 | 0.48 | 0.57 | 0.52 | 0.48 |
| 7 | 0.58 | 0.5 | 0.44 | 0.57 | 0.49 | 0.44 | 0.56 | 0.49 | 0.44 | 0.54 | 0.48 | 0.43 | 0.53 | 0.47 | 0.43 |
| 8 | 0.53 | 0.46 | 0.4 | 0.53 | 0.45 | 0.4 | 0.51 | 0.45 | 0.4 | 0.5 | 0.44 | 0.4 | 0.49 | 0.44 | 0.39 |
| 9 | 0.49 | 0.42 | 0.37 | 0.49 | 0.42 | 0.37 | 0.48 | 0.41 | 0.37 | 0.47 | 0.41 | 0.36 | 0.46 | 0.4 | 0.36 |
| 10 | 0.46 | 0.39 | 0.34 | 0.46 | 0.39 | 0.34 | 0.45 | 0.38 | 0.34 | 0.44 | 0.38 | 0.34 | 0.43 | 0.37 | 0.33 |

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi dity(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Wall Exi tance CoEfficients

| | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ceiling(%) | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | |
| Wall (%) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Floor (%) | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0.27 | 0.15 | 0.05 | 0.26 | 0.15 | 0.05 | 0.25 | 0.14 | 0.05 | 0.24 | 0.14 | 0.04 | 0.23 | 0.13 | 0.04 |
| 2 | 0.25 | 0.14 | 0.04 | 0.25 | 0.14 | 0.04 | 0.24 | 0.13 | 0.04 | 0.23 | 0.13 | 0.04 | 0.22 | 0.12 | 0.04 |
| 3 | 0.24 | 0.13 | 0.04 | 0.23 | 0.12 | 0.04 | 0.22 | 0.12 | 0.04 | 0.21 | 0.12 | 0.04 | 0.2 | 0.11 | 0.04 |
| 4 | 0.22 | 0.11 | 0.03 | 0.22 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 | 0.2 | 0.11 | 0.03 | 0.19 | 0.1 | 0.03 |
| 5 | 0.21 | 0.11 | 0.03 | 0.2 | 0.1 | 0.03 | 0.19 | 0.1 | 0.03 | 0.19 | 0.1 | 0.03 | 0.18 | 0.1 | 0.03 |
| 6 | 0.19 | 0.1 | 0.03 | 0.19 | 0.1 | 0.03 | 0.18 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.17 | 0.09 | 0.03 |
| 7 | 0.18 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.17 | 0.09 | 0.02 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 |
| 8 | 0.17 | 0.08 | 0.02 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 |
| 9 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 | 0.15 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 |
| 10 | 0.15 | 0.07 | 0.02 | 0.15 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 |

Ceiling Cavi ty Exi tance CoEfficients

| | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ceiling(%) | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | |
| Wall (%) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Floor (%) | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | |
| 0 | 0.19 | 0.19 | 0.19 | 0.16 | 0.16 | 0.16 | 0.11 | 0.11 | 0.11 | 0.06 | 0.06 | 0.06 | 0.02 | 0.02 | 0.02 |
| 1 | 0.18 | 0.16 | 0.14 | 0.15 | 0.13 | 0.12 | 0.1 | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | 0.02 | 0.02 | 0.02 |
| 2 | 0.17 | 0.13 | 0.1 | 0.14 | 0.11 | 0.09 | 0.1 | 0.08 | 0.06 | 0.06 | 0.05 | 0.04 | 0.02 | 0.01 | 0.01 |
| 3 | 0.16 | 0.11 | 0.08 | 0.14 | 0.1 | 0.07 | 0.09 | 0.07 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |
| 4 | 0.15 | 0.1 | 0.06 | 0.13 | 0.09 | 0.05 | 0.09 | 0.06 | 0.04 | 0.05 | 0.04 | 0.02 | 0.02 | 0.01 | 0.01 |
| 5 | 0.14 | 0.09 | 0.05 | 0.12 | 0.08 | 0.04 | 0.08 | 0.05 | 0.03 | 0.05 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| 6 | 0.14 | 0.08 | 0.04 | 0.12 | 0.07 | 0.04 | 0.08 | 0.05 | 0.03 | 0.05 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| 7 | 0.13 | 0.07 | 0.04 | 0.11 | 0.06 | 0.03 | 0.08 | 0.04 | 0.02 | 0.04 | 0.03 | 0.01 | 0.01 | 0.01 | 0 |
| 8 | 0.12 | 0.07 | 0.03 | 0.11 | 0.06 | 0.03 | 0.07 | 0.04 | 0.02 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0 |
| 9 | 0.12 | 0.06 | 0.03 | 0.1 | 0.05 | 0.02 | 0.07 | 0.04 | 0.02 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0 |
| 10 | 0.11 | 0.06 | 0.02 | 0.1 | 0.05 | 0.02 | 0.07 | 0.04 | 0.01 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0 |

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: WH

Date: 2023-10-24

Distance(m): 7.070

Remark:

Test System: ZWL Goni ophotometer System V3.0

| | | |
|--|------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight (kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Size: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Ring-shaped Flux Data Table

| Gm\C(Deg) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | Range | Ring | T(lm) |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|---------|------|-------|
| 5 | 14997 | 14977 | 14612 | 14617 | 14953 | 14321 | 14505 | 14360 | 0-5 | 352 | 352 |
| 10 | 14734 | 14729 | 14048 | 14369 | 14540 | 13674 | 14194 | 13995 | 5-10 | 1036 | 1388 |
| 15 | 14433 | 14292 | 12551 | 13747 | 14116 | 12351 | 12531 | 13129 | 10-15 | 1643 | 3031 |
| 20 | 14053 | 13586 | 10688 | 12414 | 13732 | 11525 | 10537 | 11233 | 15-20 | 2085 | 5116 |
| 25 | 13392 | 12273 | 7267 | 10182 | 12988 | 8638 | 7210 | 9946 | 20-25 | 2358 | 7474 |
| 30 | 12760 | 10051 | 5087 | 8882 | 12303 | 6109 | 5028 | 7078 | 25-30 | 2362 | 9836 |
| 35 | 12035 | 8707 | 3957 | 6393 | 11549 | 4584 | 3914 | 5080 | 30-35 | 2279 | 12115 |
| 40 | 11082 | 6155 | 3142 | 4691 | 10542 | 3562 | 3110 | 3852 | 35-40 | 2119 | 14234 |
| 45 | 11525 | 4494 | 2508 | 3650 | 10930 | 2774 | 2428 | 2984 | 40-45 | 1964 | 16198 |
| 50 | 10390 | 3521 | 2008 | 2914 | 9827 | 2180 | 1934 | 2335 | 45-50 | 1924 | 18122 |
| 55 | 8836 | 2740 | 1629 | 2330 | 8360 | 1731 | 1548 | 1853 | 50-55 | 1739 | 19861 |
| 60 | 6975 | 2153 | 1489 | 1849 | 6413 | 1356 | 1360 | 1452 | 55-60 | 1502 | 21363 |
| 65 | 4897 | 1719 | 1425 | 1468 | 4110 | 1017 | 1338 | 1072 | 60-65 | 1220 | 22583 |
| 70 | 2849 | 1363 | 1082 | 1207 | 2153 | 773 | 1028 | 855 | 65-70 | 890 | 23474 |
| 75 | 1680 | 1021 | 780 | 900 | 1339 | 496 | 703 | 585 | 70-75 | 602 | 24076 |
| 80 | 957 | 742 | 524 | 623 | 697 | 259 | 470 | 325 | 75-80 | 402 | 24479 |
| 85 | 450 | 474 | 323 | 369 | 272 | 107 | 280 | 149 | 80-85 | 235 | 24714 |
| 90 | 233 | 261 | 232 | 184 | 128 | 108 | 85.7 | 91 | 85-90 | 118 | 24832 |
| 95 | | | | | | | | | 90-95 | | |
| 100 | | | | | | | | | 95-100 | | |
| 105 | | | | | | | | | 100-105 | | |
| 110 | | | | | | | | | 105-110 | | |
| 115 | | | | | | | | | 110-115 | | |
| 120 | | | | | | | | | 115-120 | | |
| 125 | | | | | | | | | 120-125 | | |
| 130 | | | | | | | | | 125-130 | | |
| 135 | | | | | | | | | 130-135 | | |
| 140 | | | | | | | | | 135-140 | | |
| 145 | | | | | | | | | 140-145 | | |
| 150 | | | | | | | | | 145-150 | | |
| 155 | | | | | | | | | 150-155 | | |
| 160 | | | | | | | | | 155-160 | | |
| 165 | | | | | | | | | 160-165 | | |
| 170 | | | | | | | | | 165-170 | | |
| 175 | | | | | | | | | 170-175 | | |
| 180 | | | | | | | | | 175-180 | | |

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-10-24

Remark:

| | | |
|--|------------|---------------------|
| Measured Para U: 217.2V I: 1378.9mA P: 296.50W PF: 0.990 Test LM: 29857.55lm | | |
| Lamp Name: LED FLOOD LIGHT | Lamp Type: | Weight (kg): |
| Lamp ID: LPFL-300M01 | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

CD Table

| Gm\C(Deg) | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.0 | 15k | 15k | 15k | 15k | 15k | 15k | 15k | 15k | 15k | 15k | 15k | 14k | 14k | 14k | 14k | 14k | 14k | 15k |
| 10.0 | 15k | 15k | 15k | 15k | 14k | 14k | 14k | 14k | 14k | 15k | 14k | 14k | 14k | 14k | 14k | 14k | 14k | 14k |
| 15.0 | 14k | 14k | 14k | 14k | 13k | 13k | 13k | 14k | 14k | 14k | 13k | 13k | 12k | 12k | 13k | 13k | 13k | 14k |
| 20.0 | 14k | 14k | 14k | 13k | 11k | 11k | 12k | 13k | 13k | 14k | 13k | 12k | 11k | 11k | 11k | 11k | 12k | 13k |
| 25.0 | 13k | 13k | 12k | 11k | 8362 | 7905 | 9226 | 10k | 12k | 13k | 11k | 9113 | 8169 | 7523 | 7809 | 9048 | 10k | 12k |
| 30.0 | 13k | 12k | 10k | 8422 | 6173 | 5917 | 7637 | 9256 | 11k | 12k | 9593 | 6787 | 5754 | 5264 | 5476 | 6405 | 7700 | 10k |
| 35.0 | 12k | 11k | 9071 | 7149 | 4996 | 4490 | 5594 | 6957 | 9293 | 12k | 8502 | 5346 | 4364 | 4061 | 4169 | 4698 | 5841 | 8992 |
| 40.0 | 11k | 8926 | 6694 | 5166 | 3801 | 3480 | 4183 | 5331 | 7982 | 11k | 7489 | 4326 | 3414 | 3209 | 3272 | 3608 | 4642 | 7919 |
| 45.0 | 12k | 8449 | 5263 | 3842 | 2942 | 2758 | 3275 | 4446 | 7745 | 11k | 7362 | 3666 | 2661 | 2504 | 2550 | 2802 | 3918 | 7789 |
| 50.0 | 10k | 7385 | 4272 | 3024 | 2339 | 2206 | 2617 | 3670 | 6803 | 9827 | 6482 | 3016 | 2099 | 1988 | 2022 | 2204 | 3216 | 6866 |
| 55.0 | 8836 | 6169 | 3407 | 2376 | 1872 | 1783 | 2100 | 2990 | 5722 | 8360 | 5460 | 2456 | 1671 | 1588 | 1614 | 1753 | 2617 | 5781 |
| 60.0 | 6975 | 4866 | 2681 | 1935 | 1634 | 1567 | 1731 | 2348 | 4416 | 6413 | 4200 | 1909 | 1357 | 1359 | 1380 | 1422 | 2056 | 4559 |
| 65.0 | 4897 | 3507 | 2066 | 1622 | 1489 | 1435 | 1454 | 1757 | 2954 | 4110 | 2757 | 1355 | 1122 | 1268 | 1280 | 1159 | 1490 | 3223 |
| 70.0 | 2849 | 2199 | 1525 | 1271 | 1144 | 1110 | 1166 | 1311 | 1739 | 2153 | 1549 | 924 | 857 | 972 | 991 | 912 | 1073 | 1977 |
| 75.0 | 1680 | 1392 | 1093 | 942 | 833 | 807 | 861 | 948 | 1147 | 1339 | 970 | 588 | 564 | 658 | 677 | 624 | 705 | 1201 |
| 80.0 | 957 | 863 | 766 | 671 | 571 | 545 | 591 | 631 | 665 | 697 | 506 | 307 | 328 | 424 | 438 | 373 | 394 | 680 |
| 85.0 | 450 | 461 | 472 | 425 | 356 | 333 | 354 | 358 | 314 | 272 | 200 | 125 | 163 | 242 | 251 | 192 | 182 | 318 |
| 90.0 | 233 | 245 | 258 | 252 | 238 | 221 | 200 | 178 | 152 | 128 | 119 | 110 | 101 | 90.6 | 86.9 | 89.3 | 107 | 171 |
| 95.0 | | | | | | | | | | | | | | | | | | |
| 100.0 | | | | | | | | | | | | | | | | | | |
| 105.0 | | | | | | | | | | | | | | | | | | |
| 110.0 | | | | | | | | | | | | | | | | | | |
| 115.0 | | | | | | | | | | | | | | | | | | |
| 120.0 | | | | | | | | | | | | | | | | | | |
| 125.0 | | | | | | | | | | | | | | | | | | |
| 130.0 | | | | | | | | | | | | | | | | | | |
| 135.0 | | | | | | | | | | | | | | | | | | |
| 140.0 | | | | | | | | | | | | | | | | | | |
| 145.0 | | | | | | | | | | | | | | | | | | |
| 150.0 | | | | | | | | | | | | | | | | | | |
| 155.0 | | | | | | | | | | | | | | | | | | |
| 160.0 | | | | | | | | | | | | | | | | | | |
| 165.0 | | | | | | | | | | | | | | | | | | |
| 170.0 | | | | | | | | | | | | | | | | | | |
| 175.0 | | | | | | | | | | | | | | | | | | |
| 180.0 | | | | | | | | | | | | | | | | | | |

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: WH

Date: 2023-10-24

Distance(m): 7.070

Remark:

Test System: ZWL Goniophotometer System V3.0