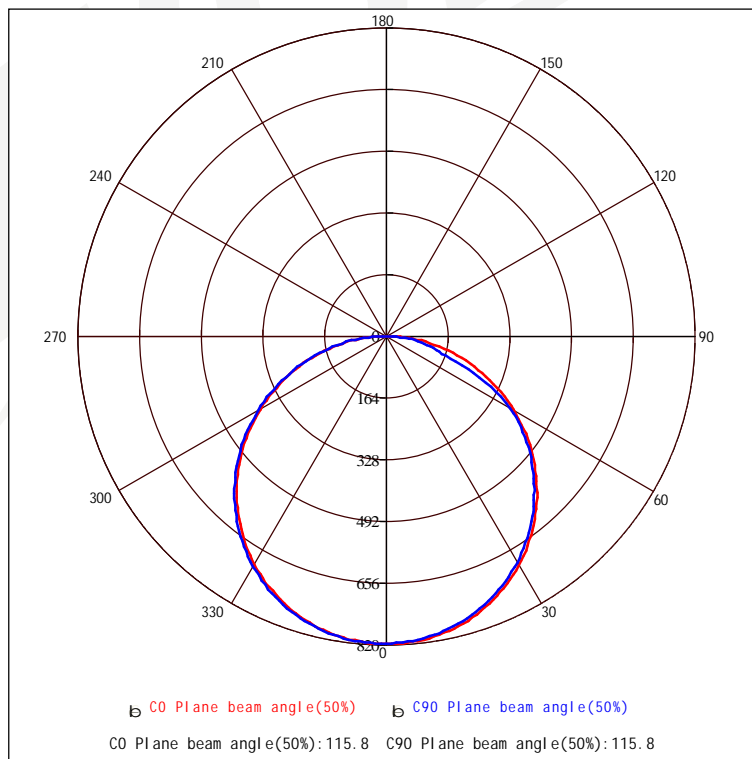


Goniophotometer Test Report

| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | | | | | |
|---|------------|-----------------------|------------------|---------------------|------------------|-------|
| Lamp Name: LED DOWN LIGHT | | Lamp Type: | | Weight(kg): | | |
| Lamp ID: LPDL-24K01-Y | | Lamp Spec: LPDL-24A-Y | | Shape Size: | | |
| Manufactory: LIPER | | Sur(m ²): | | Protect Angle(Deg): | | |
| Light Source Data | | | Photometric Data | | | |
| Model | LPDL-24A-Y | | Peak Value(cd) | 817.5 | Efficiency(lm/w) | 105.1 |
| Nominal P(w) | 1.0 | | Position | 135.0, 3.0 | UP(C0-C180) | 0.0 |
| Rated Volt(v) | 1.0 | | Total Flux(lm) | 2447.864 | Down(C0-C180) | 50.3 |
| 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) | 49.7 |

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

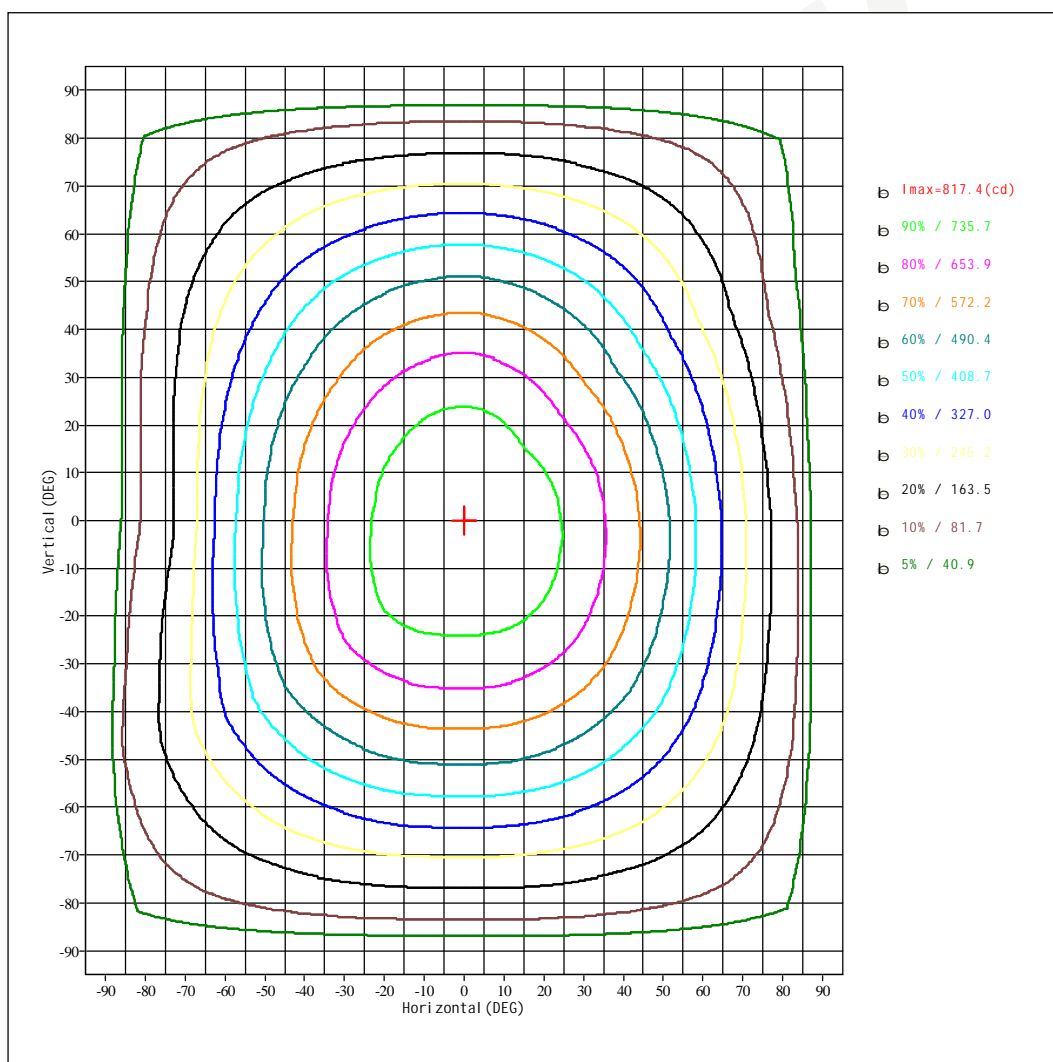
Humi di ty(%): 60

Date: 2025-2-20

Remark:

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

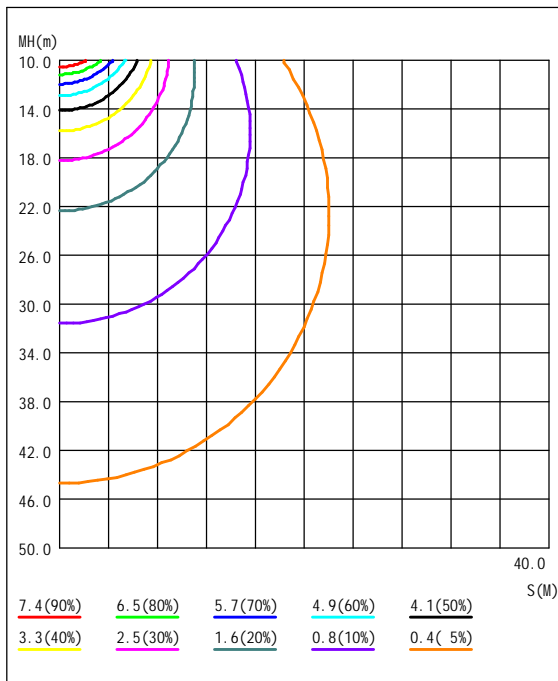
Humi di ty(%): 60

Date: 2025-2-20

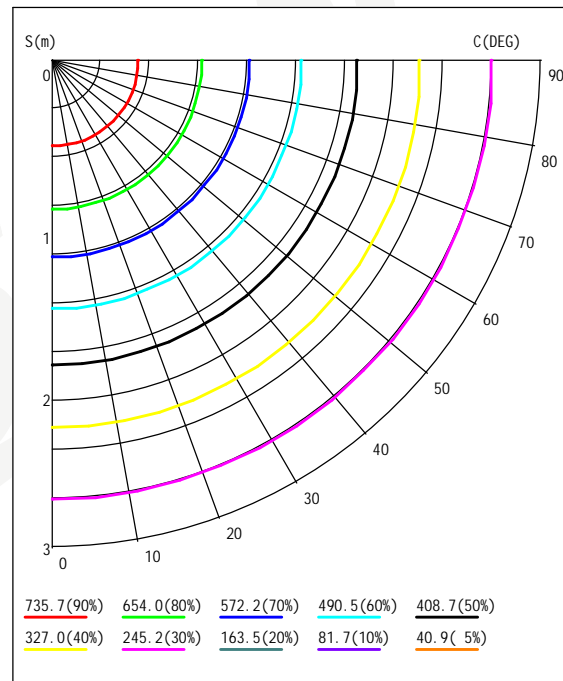
Remark:

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2025-2-20

Remark:

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

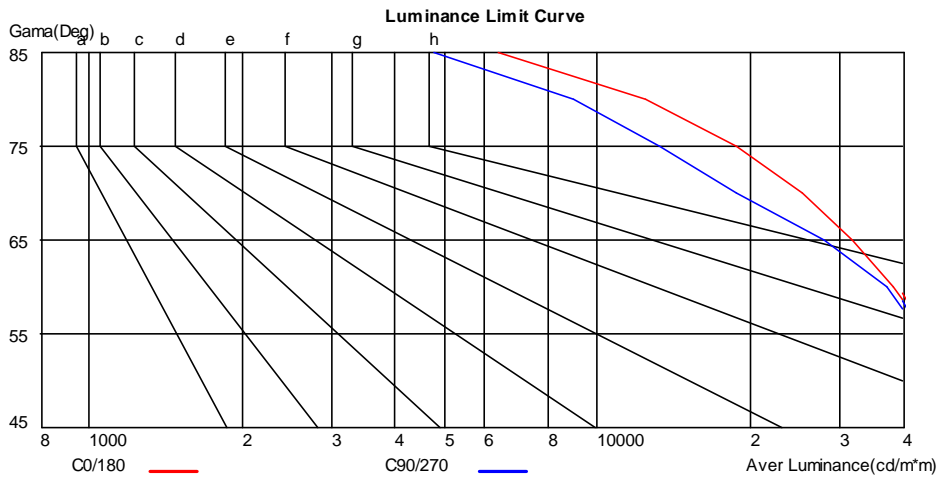
Luminance Limit Curve

Aver Luminance(cd/m²)

| Gm(Deg) | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| C0 | 56030.5 | 50500.4 | 44591.5 | 38365.0 | 31942.1 | 25388.4 | 18861.1 | 12470.5 | 6389.6 |
| C90 | 55077.0 | 49528.2 | 43717.3 | 37126.3 | 28057.4 | 18840.0 | 13306.4 | 8991.5 | 4766.2 |

Glare

| Glare | Class | 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 |



Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval(Deg): 1

C interval(Deg): 45

Temperature(Deg): 25

Humi di ty(%): 60

Tester: zxg

Date: 2025-2-20

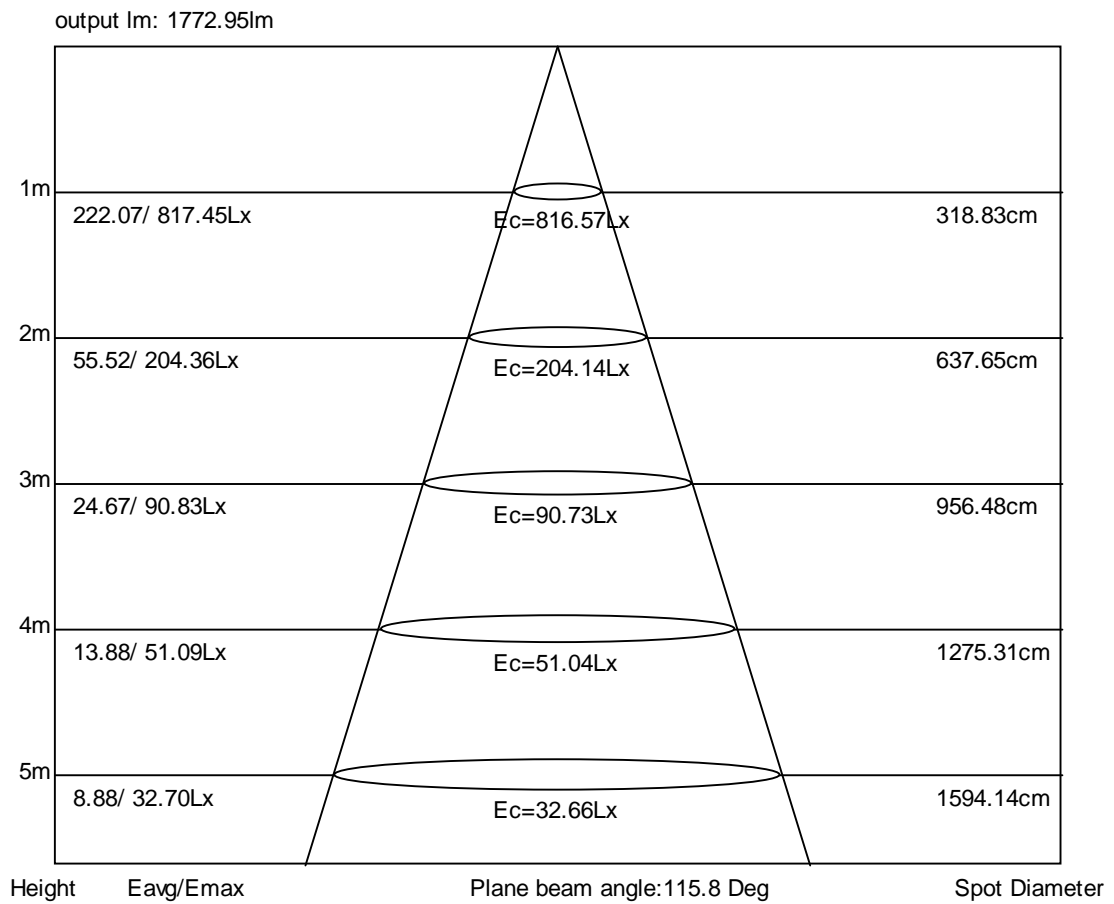
Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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): 25

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

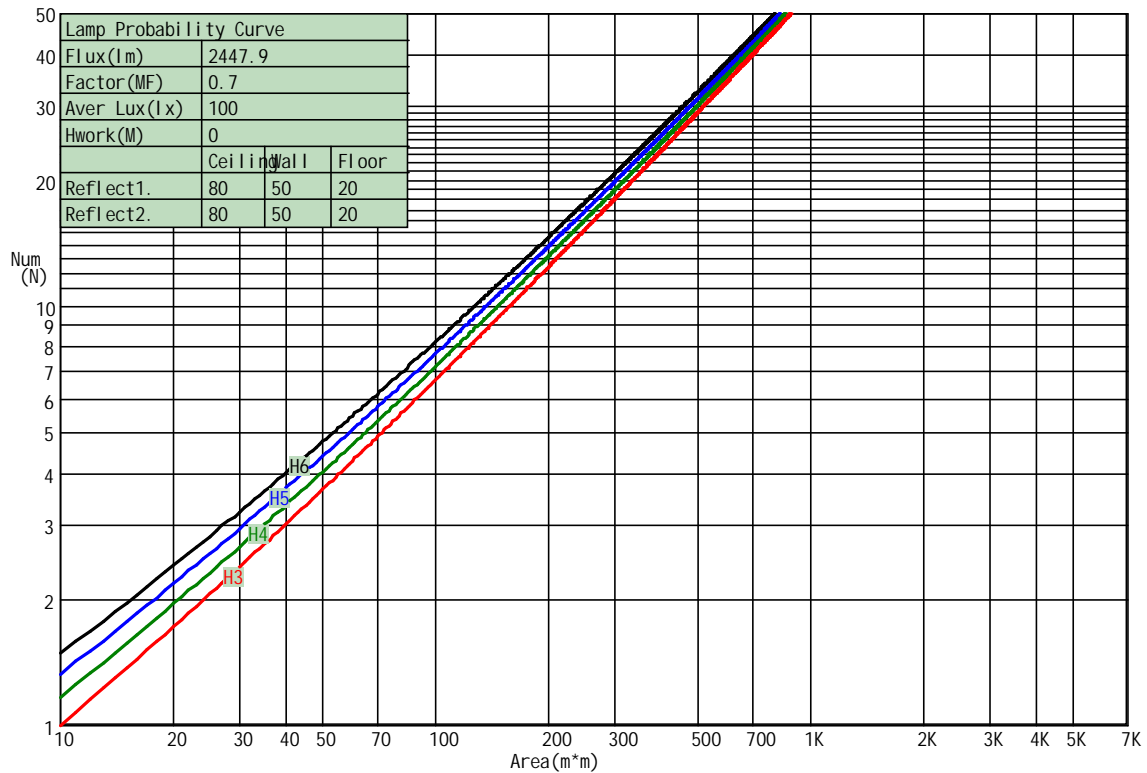
Humi di ty(%): 60

Date: 2025-2-20

Remark:

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2025-2-20

Remark:

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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 | 52 | 37 | 28 | 51 | 37 | 28 | 48 | 35 | 27 |
| 0.80 | 57 | 40 | 30 | 55 | 39 | 29 | 51 | 38 | 28 |
| 1.00 | 60 | 43 | 31 | 58 | 42 | 30 | 53 | 39 | 29 |
| 1.25 | 63 | 45 | 32 | 60 | 43 | 31 | 55 | 41 | 30 |
| 1.50 | 65 | 47 | 33 | 62 | 45 | 32 | 56 | 41 | 30 |
| 2.00 | 68 | 49 | 34 | 64 | 47 | 33 | 57 | 43 | 31 |
| 2.50 | 69 | 50 | 34 | 65 | 47 | 33 | 58 | 43 | 30 |
| 3.00 | 70 | 51 | 34 | 66 | 48 | 33 | 58 | 43 | 30 |
| 4.00 | 72 | 52 | 34 | 67 | 49 | 33 | 59 | 43 | 30 |
| 5.00 | 73 | 53 | 35 | 68 | 49 | 33 | 59 | 44 | 30 |

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 | 1.03 | 0.99 | 0.94 | 1.01 | 0.97 | 0.93 | 0.96 | 0.93 | 0.9 | 0.93 | 0.9 | 0.87 | 0.89 | 0.87 | 0.85 |
| 2 | 0.89 | 0.82 | 0.76 | 0.87 | 0.81 | 0.75 | 0.84 | 0.78 | 0.74 | 0.81 | 0.76 | 0.72 | 0.77 | 0.74 | 0.7 |
| 3 | 0.78 | 0.7 | 0.63 | 0.77 | 0.69 | 0.62 | 0.74 | 0.67 | 0.61 | 0.71 | 0.65 | 0.6 | 0.68 | 0.63 | 0.59 |
| 4 | 0.69 | 0.6 | 0.53 | 0.68 | 0.59 | 0.53 | 0.65 | 0.58 | 0.52 | 0.63 | 0.56 | 0.51 | 0.61 | 0.55 | 0.51 |
| 5 | 0.62 | 0.52 | 0.46 | 0.6 | 0.52 | 0.45 | 0.58 | 0.51 | 0.45 | 0.56 | 0.5 | 0.44 | 0.54 | 0.49 | 0.44 |
| 6 | 0.55 | 0.46 | 0.4 | 0.54 | 0.46 | 0.4 | 0.53 | 0.45 | 0.39 | 0.51 | 0.44 | 0.39 | 0.49 | 0.43 | 0.38 |
| 7 | 0.5 | 0.41 | 0.35 | 0.49 | 0.41 | 0.35 | 0.48 | 0.4 | 0.35 | 0.46 | 0.39 | 0.34 | 0.45 | 0.39 | 0.34 |
| 8 | 0.46 | 0.37 | 0.31 | 0.45 | 0.37 | 0.31 | 0.44 | 0.36 | 0.31 | 0.42 | 0.36 | 0.31 | 0.41 | 0.35 | 0.3 |
| 9 | 0.42 | 0.34 | 0.28 | 0.41 | 0.33 | 0.28 | 0.4 | 0.33 | 0.28 | 0.39 | 0.32 | 0.28 | 0.38 | 0.32 | 0.27 |
| 10 | 0.39 | 0.31 | 0.25 | 0.38 | 0.3 | 0.25 | 0.37 | 0.3 | 0.25 | 0.36 | 0.3 | 0.25 | 0.35 | 0.29 | 0.25 |

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 25

Humi di ty(%): 60

Tester: zxcg

Date: 2025-2-20

Distance(m): 7.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

| | | | | | | | | | | | | | | | |
|---|--|--|--|--|-----------------------|--|--|--|--|---------------------|--|--|--|--|--|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | | | | | | | | | | | | | | |
| Lamp Name: LED DOWN LIGHT | | | | | Lamp Type: | | | | | Weight(kg): | | | | | |
| Lamp ID: LPDL-24A-Y | | | | | Lamp Spec: LPDL-24A-Y | | | | | 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 | 0.33 | 0.19 | 0.06 | 0.32 | 0.18 | 0.06 | 0.31 | 0.18 | 0.06 | 0.29 | 0.17 | 0.05 | 0.28 | 0.16 | 0.05 |
| 2 | 0.3 | 0.17 | 0.05 | 0.3 | 0.16 | 0.05 | 0.28 | 0.16 | 0.05 | 0.27 | 0.15 | 0.05 | 0.26 | 0.15 | 0.05 |
| 3 | 0.28 | 0.15 | 0.04 | 0.27 | 0.15 | 0.04 | 0.26 | 0.14 | 0.04 | 0.25 | 0.14 | 0.04 | 0.24 | 0.13 | 0.04 |
| 4 | 0.25 | 0.13 | 0.04 | 0.25 | 0.13 | 0.04 | 0.24 | 0.13 | 0.04 | 0.23 | 0.12 | 0.04 | 0.22 | 0.12 | 0.04 |
| 5 | 0.23 | 0.12 | 0.03 | 0.23 | 0.12 | 0.03 | 0.22 | 0.12 | 0.03 | 0.21 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 |
| 6 | 0.22 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 | 0.2 | 0.1 | 0.03 | 0.19 | 0.1 | 0.03 |
| 7 | 0.2 | 0.1 | 0.03 | 0.2 | 0.1 | 0.03 | 0.19 | 0.1 | 0.03 | 0.19 | 0.1 | 0.03 | 0.18 | 0.09 | 0.03 |
| 8 | 0.19 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.17 | 0.09 | 0.03 | 0.17 | 0.09 | 0.03 |
| 9 | 0.18 | 0.09 | 0.02 | 0.17 | 0.08 | 0.02 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 |
| 10 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 | 0.15 | 0.08 | 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 | 0.13 | 0.16 | 0.13 | 0.11 | 0.11 | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | 0.02 | 0.02 | 0.01 |
| 2 | 0.17 | 0.13 | 0.1 | 0.15 | 0.11 | 0.08 | 0.1 | 0.08 | 0.06 | 0.06 | 0.05 | 0.03 | 0.02 | 0.01 | 0.01 |
| 3 | 0.17 | 0.11 | 0.07 | 0.14 | 0.1 | 0.06 | 0.1 | 0.07 | 0.04 | 0.06 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |
| 4 | 0.16 | 0.1 | 0.06 | 0.14 | 0.09 | 0.05 | 0.09 | 0.06 | 0.04 | 0.05 | 0.04 | 0.02 | 0.02 | 0.01 | 0.01 |
| 5 | 0.15 | 0.09 | 0.05 | 0.13 | 0.08 | 0.04 | 0.09 | 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 | 0.03 | 0.09 | 0.05 | 0.02 | 0.05 | 0.03 | 0.01 | 0.02 | 0.01 | 0 |
| 7 | 0.14 | 0.08 | 0.03 | 0.12 | 0.07 | 0.03 | 0.08 | 0.05 | 0.02 | 0.05 | 0.03 | 0.01 | 0.02 | 0.01 | 0 |
| 8 | 0.13 | 0.07 | 0.03 | 0.11 | 0.06 | 0.02 | 0.08 | 0.04 | 0.02 | 0.05 | 0.03 | 0.01 | 0.01 | 0.01 | 0 |
| 9 | 0.12 | 0.06 | 0.02 | 0.11 | 0.06 | 0.02 | 0.07 | 0.04 | 0.02 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0 |
| 10 | 0.12 | 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): 25

Humi di ty(%): 60

Tester: zxcg

Date: 2025-2-20

Distance(m): 7.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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 | 814 | 811 | 811 | 817 | 813 | 816 | 814 | 809 | 0-5 | 19.5 | 19.5 |
| 10 | 804 | 799 | 799 | 811 | 803 | 808 | 805 | 794 | 5-10 | 57.8 | 77.3 |
| 15 | 787 | 780 | 782 | 798 | 786 | 793 | 789 | 773 | 10-15 | 94.2 | 172 |
| 20 | 764 | 754 | 757 | 779 | 762 | 772 | 767 | 746 | 15-20 | 128 | 299 |
| 25 | 735 | 723 | 726 | 753 | 732 | 744 | 738 | 713 | 20-25 | 157 | 456 |
| 30 | 699 | 685 | 690 | 721 | 697 | 710 | 703 | 674 | 25-30 | 181 | 637 |
| 35 | 658 | 642 | 649 | 683 | 655 | 670 | 663 | 629 | 30-35 | 199 | 836 |
| 40 | 611 | 595 | 602 | 640 | 609 | 625 | 617 | 579 | 35-40 | 211 | 1048 |
| 45 | 560 | 542 | 551 | 592 | 557 | 574 | 565 | 525 | 40-45 | 216 | 1264 |
| 50 | 505 | 486 | 495 | 540 | 502 | 520 | 510 | 466 | 45-50 | 214 | 1478 |
| 55 | 446 | 427 | 437 | 484 | 443 | 461 | 450 | 404 | 50-55 | 206 | 1684 |
| 60 | 384 | 365 | 371 | 424 | 381 | 399 | 388 | 340 | 55-60 | 191 | 1875 |
| 65 | 319 | 301 | 281 | 362 | 317 | 335 | 323 | 274 | 60-65 | 169 | 2044 |
| 70 | 254 | 237 | 188 | 297 | 252 | 268 | 257 | 208 | 65-70 | 141 | 2185 |
| 75 | 189 | 173 | 133 | 233 | 187 | 203 | 191 | 142 | 70-75 | 111 | 2297 |
| 80 | 125 | 111 | 89.9 | 170 | 124 | 138 | 126 | 79 | 75-80 | 80.5 | 2377 |
| 85 | 63.9 | 53 | 47.7 | 108 | 64.4 | 76.6 | 64.9 | 25.9 | 80-85 | 49.6 | 2427 |
| 90 | 23.2 | 10.7 | 17.1 | 46.7 | 11 | 32.5 | 11.5 | 10.9 | 85-90 | 21.1 | 2448 |
| 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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 25

Humidity(%): 60

Tester: zxg

Date: 2025-2-20

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 232.5V I: 168.0mA P: 23.30W PF: 0.595 Test LM: 2447.86lm | | |
| Lamp Name: LED DOWN LIGHT | Lamp Type: | Weight (kg): |
| Lamp ID: LPDL-24A-Y | Lamp Spec: LPDL-24A-Y | 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 | 814 | 813 | 812 | 811 | 811 | 812 | 815 | 817 | 815 | 813 | 815 | 816 | 815 | 814 | 813 | 810 | 809 | 812 |
| 10.0 | 804 | 802 | 799 | 799 | 799 | 802 | 807 | 810 | 807 | 803 | 805 | 808 | 807 | 805 | 802 | 798 | 795 | 800 |
| 15.0 | 787 | 784 | 781 | 780 | 781 | 785 | 792 | 797 | 791 | 786 | 789 | 792 | 792 | 790 | 786 | 779 | 775 | 781 |
| 20.0 | 764 | 760 | 755 | 755 | 757 | 762 | 772 | 777 | 769 | 762 | 766 | 771 | 770 | 768 | 762 | 753 | 748 | 756 |
| 25.0 | 735 | 729 | 724 | 724 | 726 | 732 | 744 | 751 | 741 | 732 | 737 | 743 | 742 | 739 | 733 | 721 | 715 | 725 |
| 30.0 | 699 | 693 | 687 | 687 | 689 | 697 | 711 | 718 | 707 | 697 | 703 | 709 | 708 | 705 | 697 | 683 | 677 | 688 |
| 35.0 | 658 | 651 | 644 | 644 | 647 | 656 | 672 | 680 | 668 | 655 | 662 | 668 | 668 | 664 | 655 | 640 | 632 | 645 |
| 40.0 | 611 | 604 | 597 | 597 | 600 | 610 | 628 | 637 | 622 | 609 | 616 | 623 | 622 | 618 | 608 | 591 | 583 | 597 |
| 45.0 | 560 | 552 | 544 | 545 | 549 | 560 | 579 | 589 | 573 | 557 | 565 | 572 | 571 | 567 | 557 | 538 | 529 | 545 |
| 50.0 | 505 | 497 | 488 | 489 | 493 | 505 | 525 | 536 | 518 | 502 | 510 | 518 | 516 | 512 | 500 | 481 | 471 | 488 |
| 55.0 | 446 | 438 | 429 | 430 | 435 | 447 | 468 | 479 | 460 | 443 | 451 | 459 | 457 | 453 | 440 | 420 | 409 | 428 |
| 60.0 | 384 | 375 | 367 | 367 | 370 | 383 | 407 | 419 | 399 | 381 | 389 | 397 | 395 | 390 | 377 | 356 | 345 | 364 |
| 65.0 | 319 | 311 | 303 | 294 | 285 | 298 | 335 | 357 | 336 | 317 | 325 | 333 | 331 | 326 | 312 | 290 | 279 | 299 |
| 70.0 | 254 | 246 | 239 | 221 | 199 | 212 | 262 | 292 | 272 | 252 | 259 | 267 | 265 | 259 | 246 | 224 | 213 | 234 |
| 75.0 | 189 | 182 | 175 | 160 | 142 | 155 | 200 | 228 | 207 | 187 | 194 | 202 | 199 | 193 | 180 | 158 | 147 | 168 |
| 80.0 | 125 | 119 | 113 | 104 | 94.6 | 107 | 144 | 165 | 144 | 124 | 130 | 137 | 134 | 129 | 116 | 94.5 | 84 | 105 |
| 85.0 | 63.9 | 59.1 | 54.2 | 51.3 | 48.8 | 60.8 | 88.1 | 103 | 83.5 | 64.4 | 69.7 | 75.2 | 72.7 | 67.5 | 56.4 | 38.7 | 30.1 | 47.3 |
| 90.0 | 23.2 | 17.7 | 12.1 | 12.8 | 15.7 | 23.6 | 37 | 42.8 | 26.6 | 11 | 20.4 | 30.2 | 25.6 | 16.1 | 11.4 | 11.1 | 12.2 | 17.8 |
| 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): 25

Humi di ty(%): 60

Tester: zxcg

Date: 2025-2-20

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0