Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504763

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1504763 |
| | TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-52) |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Issue Date: | 7/31/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | PrentaLux |
| Catalog Number: | PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L12_Narrow_120V) |
| Description: | PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION |
| | LIGHT LEVEL 1 - 12,000 LUMENS |
| Light Source: | |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9210.7 lumens |
| Efficiency: | N/A |
| Efficacy: | 112.7 lumens/watt |
| Spacing Criteria (0/90/45): | 0.96 / 0.96 / 0.96 |
| Luminous Opening: | Circular (Dia: 1.3' x H: 0') |
| CIE Type: | Direct |

| | |
|---|---|
| Input Watts (W): | 81.7 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | NR |
| Total Harmonic Distortion (THDi): | NR |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 24 FT |

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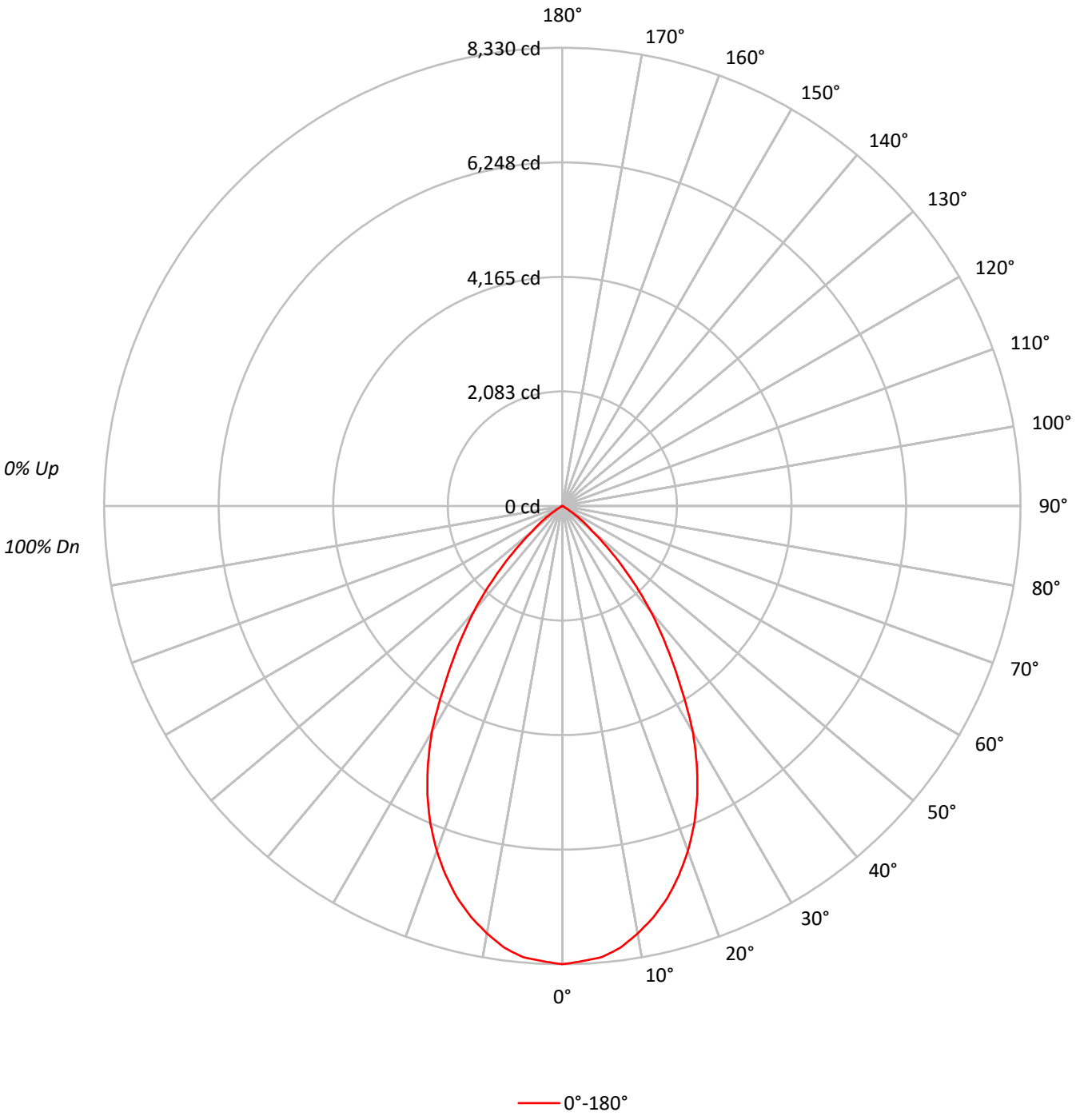
## Luminous Intensity Polar Plot



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## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 113 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 95 | 94 | 93 |
| 2 | 107 | 102 | 97 | 93 | 105 | 100 | 96 | 92 | 97 | 93 | 90 | 93 | 91 | 88 | 91 | 89 | 87 | 85 |
| 3 | 101 | 94 | 88 | 84 | 99 | 92 | 87 | 83 | 90 | 85 | 82 | 87 | 84 | 81 | 85 | 82 | 79 | 78 |
| 4 | 95 | 87 | 81 | 76 | 93 | 86 | 80 | 76 | 83 | 79 | 75 | 81 | 77 | 74 | 79 | 76 | 73 | 71 |
| 5 | 90 | 80 | 74 | 69 | 88 | 79 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 68 | 74 | 70 | 67 | 66 |
| 6 | 84 | 75 | 68 | 64 | 83 | 74 | 68 | 63 | 72 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 |
| 7 | 80 | 70 | 63 | 59 | 78 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 57 | 56 |
| 8 | 75 | 65 | 59 | 54 | 74 | 65 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 52 |
| 9 | 71 | 61 | 55 | 50 | 70 | 60 | 54 | 50 | 59 | 54 | 50 | 59 | 53 | 50 | 58 | 53 | 50 | 48 |
| 10 | 68 | 57 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 50 | 47 | 55 | 50 | 46 | 54 | 50 | 46 | 45 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° |
|---|---|
| 0° | 67548 |
| 5° | 67019 |
| 10° | 64972 |
| 15° | 61931 |
| 20° | 57572 |
| 25° | 51913 |
| 30° | 44429 |
| 35° | 34763 |
| 40° | 26477 |
| 45° | 17287 |
| 50° | 8951 |
| 55° | 4479 |
| 60° | 1041 |
| 65° | 368 |
| 70° | 356 |
| 75° | 367 |
| 80° | 350 |
| 85° | 391 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17287 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 774.8 | 8.4 |
| 10°-20° | 2062.7 | 22.4 |
| 20°-30° | 2642.2 | 28.7 |
| 30°-40° | 2207.0 | 24.0 |
| 40°-50° | 1179.6 | 12.8 |
| 50°-60° | 301.6 | 3.3 |
| 60°-70° | 26.3 | 0.3 |
| 70°-80° | 12.0 | 0.1 |
| 80°-90° | 4.4 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 5479.8 | 59.5 |
| 0°-40° | 7686.8 | 83.5 |
| 0°-60° | 9168.0 | 99.5 |
| 0°-90° | 9210.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9210.7 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | Flux |
|---|---|---|
| 0° | 8330 | |
| 5° | 8233 | 775 |
| 15° | 7377 | 2063 |
| 25° | 5802 | 2642 |
| 35° | 3512 | 2207 |
| 45° | 1507 | 1180 |
| 55° | 317 | 302 |
| 65° | 19 | 26 |
| 75° | 12 | 12 |
| 85° | 4 | 4 |
| 90° | 0 | |

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**CANDELA DISTRIBUTION (FULL):**

| | 0° |
|---|---|
| 0° | 8329.5 |
| 2.5° | 8283.6 |
| 5° | 8232.8 |
| 7.5° | 8098.5 |
| 10° | 7890.1 |
| 12.5° | 7655.8 |
| 15° | 7376.6 |
| 17.5° | 7043.1 |
| 20° | 6671.2 |
| 22.5° | 6260.2 |
| 25° | 5801.7 |
| 27.5° | 5289.8 |
| 30° | 4744.6 |
| 32.5° | 4104.3 |
| 35° | 3511.5 |
| 37.5° | 2988.8 |
| 40° | 2501.1 |
| 42.5° | 1990.0 |
| 45° | 1507.3 |
| 47.5° | 1088.0 |
| 50° | 709.5 |
| 52.5° | 513.6 |
| 55° | 316.8 |
| 57.5° | 153.4 |
| 60° | 64.2 |
| 62.5° | 31.7 |
| 65° | 19.2 |
| 67.5° | 16.7 |
| 70° | 15.0 |
| 72.5° | 13.3 |
| 75° | 11.7 |
| 77.5° | 9.2 |
| 80° | 7.5 |
| 82.5° | 5.8 |
| 85° | 4.2 |
| 87.5° | 2.5 |
| 90° | 0.0 |

(END OF REPORT)