

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: P1504575

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3000K\_L12\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504575  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-30)  
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-04-BLAK-PS (3000K\_L12\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

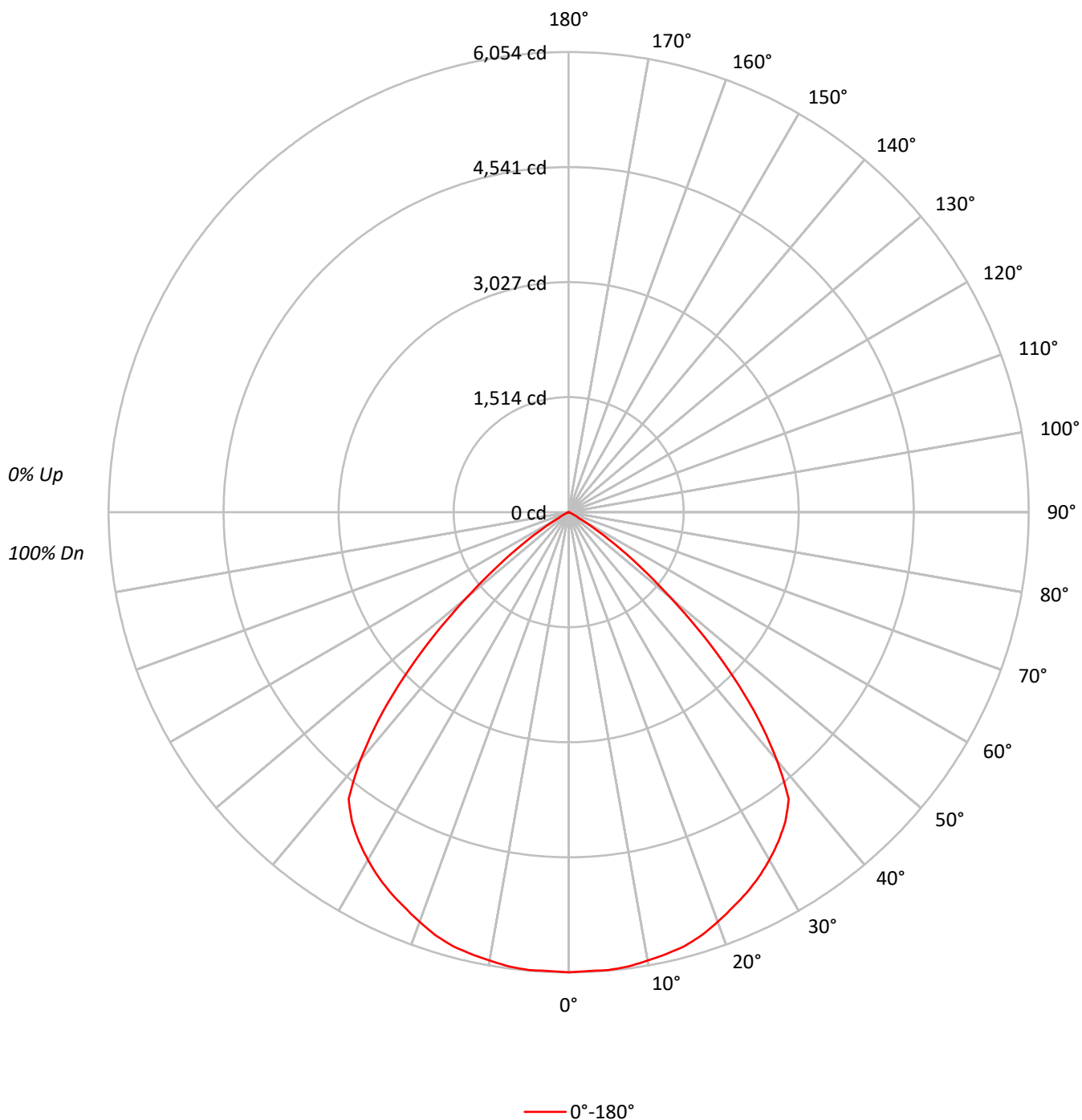
Lumens per Lamp: N/A  
Luminaire Lumens: 11017.5 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.29  
Luminous Opening: Circular (Dia: 1.26' x H: 0')  
CIE Type: Direct

Input Watts (W): 82.8  
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  |     |  |  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |  |  |
| 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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |  |  |
| 2   | 105 | 99  | 94  | 90  | 103 | 98  | 93  | 89  | 94  | 91  | 87  | 91  | 88  | 85  | 88  | 86  | 84  | 82  |  |  |
| 3   | 98  | 90  | 84  | 80  | 96  | 89  | 83  | 79  | 86  | 81  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |  |  |
| 4   | 92  | 82  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 68  | 66  |  |  |
| 5   | 86  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 59  |  |  |
| 6   | 80  | 69  | 62  | 57  | 78  | 68  | 61  | 56  | 67  | 60  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 53  |  |  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 48  |  |  |
| 8   | 70  | 59  | 51  | 46  | 69  | 58  | 51  | 46  | 57  | 50  | 46  | 56  | 50  | 46  | 54  | 49  | 45  | 44  |  |  |
| 9   | 66  | 54  | 47  | 42  | 64  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 42  | 40  |  |  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |  |  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    |
|-----|-------|
| 0°  | 52396 |
| 5°  | 52525 |
| 10° | 52642 |
| 15° | 52937 |
| 20° | 52824 |
| 25° | 52818 |
| 30° | 52796 |
| 35° | 52526 |
| 40° | 48244 |
| 45° | 37556 |
| 50° | 23594 |
| 55° | 11746 |
| 60° | 2681  |
| 65° | 1212  |
| 70° | 493   |
| 75° | 351   |
| 80° | 404   |
| 85° | 487   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 37556 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 575.3   | 5.2       |
| 10°-20°   | 1665.8  | 15.1      |
| 20°-30°   | 2549.9  | 23.1      |
| 30°-40°   | 3073.4  | 27.9      |
| 40°-50°   | 2330.0  | 21.1      |
| 50°-60°   | 738.7   | 6.7       |
| 60°-70°   | 67.3    | 0.6       |
| 70°-80°   | 12.2    | 0.1       |
| 80°-90°   | 5.1     | 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°    | 4790.9  | 43.5      |
| 0°-40°    | 7864.3  | 71.4      |
| 0°-60°    | 10933.0 | 99.2      |
| 0°-90°    | 11017.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 11017.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6054 |      |
| 5°  | 6045 | 575  |
| 15° | 5908 | 1666 |
| 25° | 5531 | 2550 |
| 35° | 4971 | 3073 |
| 45° | 3068 | 2330 |
| 55° | 778  | 739  |
| 65° | 59   | 67   |
| 75° | 10   | 12   |
| 85° | 5    | 5    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 6053.5 |
| 2.5°  | 6041.4 |
| 5°    | 6045.4 |
| 7.5°  | 6028.4 |
| 10°   | 5989.5 |
| 12.5° | 5952.2 |
| 15°   | 5907.6 |
| 17.5° | 5833.8 |
| 20°   | 5734.9 |
| 22.5° | 5631.9 |
| 25°   | 5530.6 |
| 27.5° | 5416.2 |
| 30°   | 5282.5 |
| 32.5° | 5137.3 |
| 35°   | 4971.1 |
| 37.5° | 4756.2 |
| 40°   | 4269.8 |
| 42.5° | 3701.4 |
| 45°   | 3068.1 |
| 47.5° | 2393.5 |
| 50°   | 1752.2 |
| 52.5° | 1221.1 |
| 55°   | 778.4  |
| 57.5° | 402.2  |
| 60°   | 154.9  |
| 62.5° | 97.3   |
| 65°   | 59.2   |
| 67.5° | 30.8   |
| 70°   | 19.5   |
| 72.5° | 12.2   |
| 75°   | 10.5   |
| 77.5° | 9.7    |
| 80°   | 8.1    |
| 82.5° | 7.3    |
| 85°   | 4.9    |
| 87.5° | 2.4    |
| 90°   | 0.0    |

(END OF REPORT)