

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: P1504928

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K\_L16\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504928  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-58)  
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-WHGL-PS (6500K\_L16\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

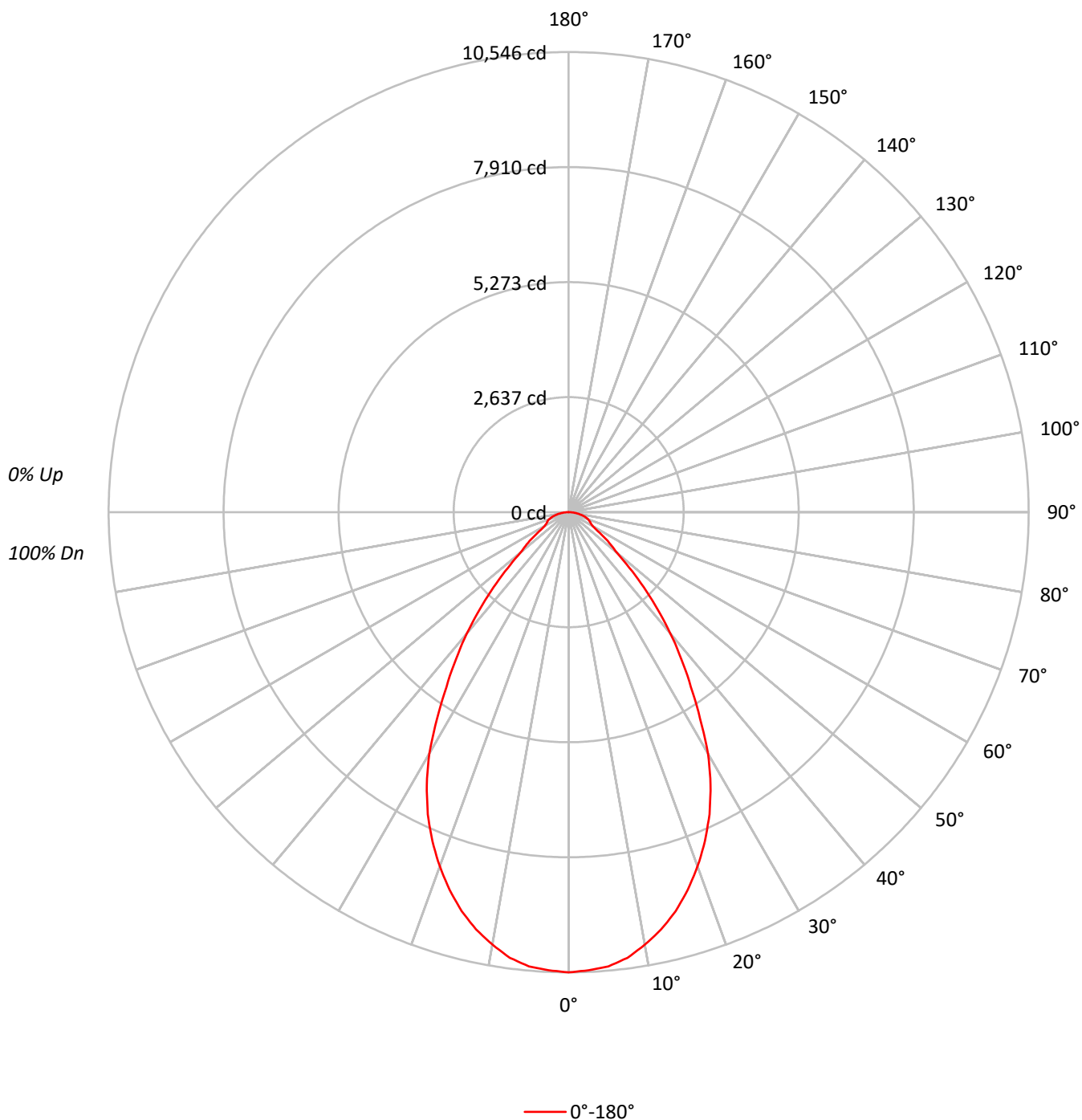
Lumens per Lamp: N/A  
Luminaire Lumens: 14018.3 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1  
Luminous Opening: Circular (Dia: 1.3' x H: 0')  
CIE Type: Direct

Input Watts (W): 102.5  
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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 90  |  |  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 84  | 87  | 84  | 82  | 80  |  |  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 83  | 78  | 75  | 80  | 77  | 74  | 72  |  |  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 68  | 74  | 70  | 67  | 65  |  |  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 59  |  |  |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |  |  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |  |  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 51  | 47  | 56  | 51  | 47  | 46  |  |  |
| 9   | 67  | 56  | 49  | 44  | 66  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 52  | 47  | 44  | 42  |  |  |
| 10  | 64  | 52  | 46  | 41  | 62  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 49  | 44  | 41  | 39  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 85524 |
| 5°  | 85051 |
| 10° | 82883 |
| 15° | 79471 |
| 20° | 74543 |
| 25° | 68339 |
| 30° | 59866 |
| 35° | 48369 |
| 40° | 38400 |
| 45° | 27924 |
| 50° | 18073 |
| 55° | 13713 |
| 60° | 10312 |
| 65° | 10471 |
| 70° | 11281 |
| 75° | 11546 |
| 80° | 11442 |
| 85° | 11212 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 27924 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 985.1   | 7.0       |
| 10°-20°   | 2650.0  | 18.9      |
| 20°-30°   | 3482.3  | 24.8      |
| 30°-40°   | 3068.3  | 21.9      |
| 40°-50°   | 1886.7  | 13.5      |
| 50°-60°   | 883.7   | 6.3       |
| 60°-70°   | 544.7   | 3.9       |
| 70°-80°   | 385.7   | 2.8       |
| 80°-90°   | 131.7   | 0.9       |
| 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°    | 7117.5  | 50.8      |
| 0°-40°    | 10185.8 | 72.7      |
| 0°-60°    | 12956.2 | 92.4      |
| 0°-90°    | 14018.3 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 14018.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10546 |      |
| 5°  | 10448 | 985  |
| 15° | 9466  | 2650 |
| 25° | 7638  | 3482 |
| 35° | 4886  | 3068 |
| 45° | 2435  | 1887 |
| 55° | 970   | 884  |
| 65° | 546   | 545  |
| 75° | 368   | 386  |
| 85° | 120   | 132  |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 10546.1 |
| 2.5°  | 10506.6 |
| 5°    | 10447.9 |
| 7.5°  | 10302.1 |
| 10°   | 10065.2 |
| 12.5° | 9793.9  |
| 15°   | 9465.8  |
| 17.5° | 9075.1  |
| 20°   | 8637.7  |
| 22.5° | 8160.9  |
| 25°   | 7637.5  |
| 27.5° | 7042.2  |
| 30°   | 6393.2  |
| 32.5° | 5610.7  |
| 35°   | 4885.8  |
| 37.5° | 4244.9  |
| 40°   | 3627.4  |
| 42.5° | 3012.9  |
| 45°   | 2434.8  |
| 47.5° | 1888.1  |
| 50°   | 1432.5  |
| 52.5° | 1209.8  |
| 55°   | 969.9   |
| 57.5° | 758.3   |
| 60°   | 635.8   |
| 62.5° | 581.1   |
| 65°   | 545.7   |
| 67.5° | 516.3   |
| 70°   | 475.8   |
| 72.5° | 426.2   |
| 75°   | 368.5   |
| 77.5° | 306.8   |
| 80°   | 245.0   |
| 82.5° | 182.2   |
| 85°   | 120.5   |
| 87.5° | 58.7    |
| 90°   | 0.0     |

(END OF REPORT)