

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: P1504731

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (4000K\_L16\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504731  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)  
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-WHGL-PS (4000K\_L16\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

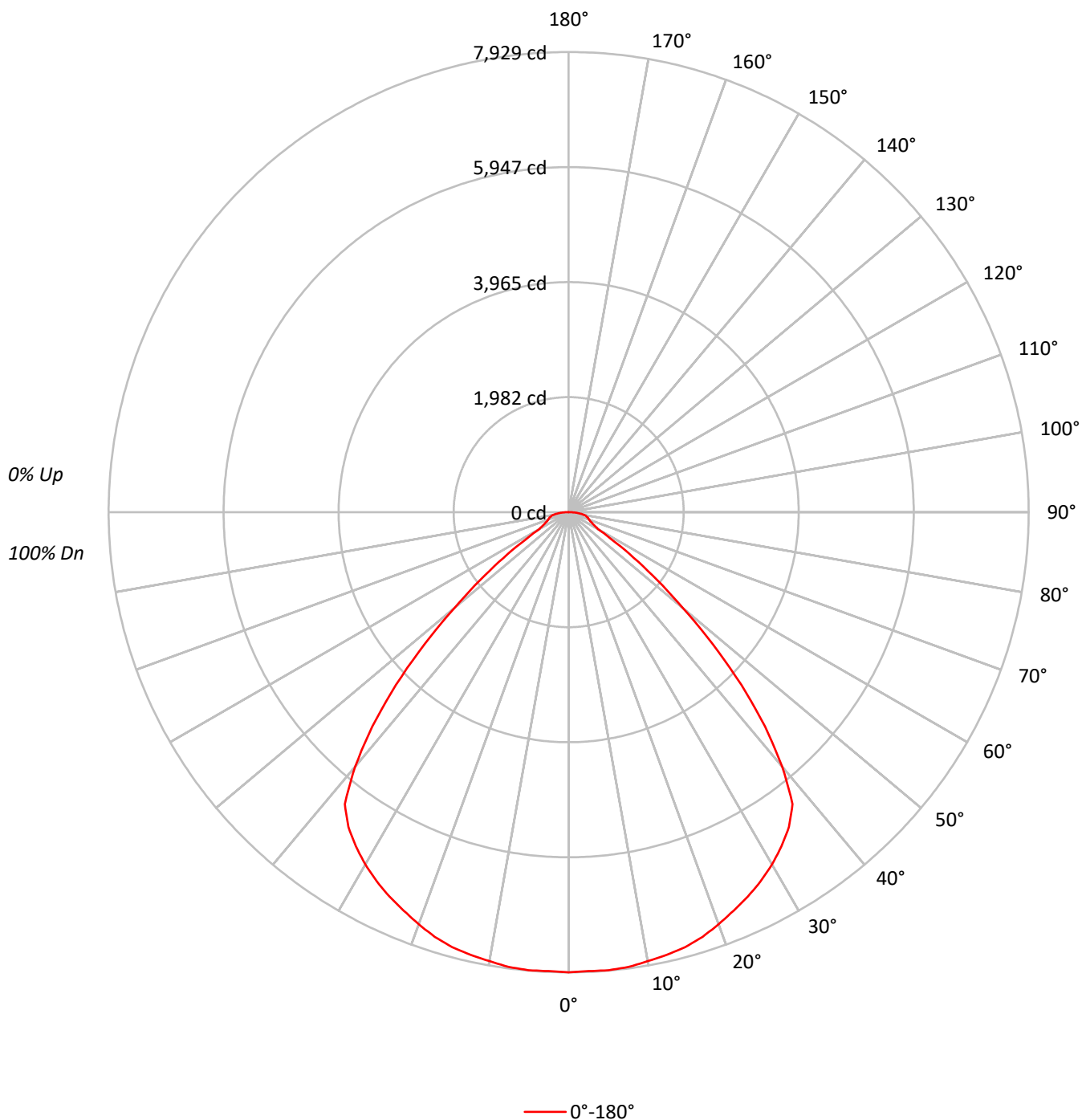
Lumens per Lamp: N/A  
Luminaire Lumens: 15846.6 lumens  
Efficiency: N/A  
Efficacy: 159.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3  
Luminous Opening: Circular (Dia: 1.26' x H: 0')  
CIE Type: Direct

Input Watts (W): 99.5  
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   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |  |  |
| 2   | 104 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 80  | 79  |  |  |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  | 81  | 76  | 73  | 78  | 75  | 72  | 70  |  |  |
| 4   | 89  | 80  | 72  | 67  | 87  | 78  | 72  | 66  | 76  | 70  | 65  | 74  | 69  | 65  | 72  | 67  | 64  | 62  |  |  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 55  |  |  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  |  |  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |  |  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |  |  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |  |  |
| 10  | 60  | 48  | 41  | 36  | 59  | 47  | 40  | 36  | 46  | 40  | 36  | 46  | 40  | 36  | 45  | 39  | 35  | 34  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 68632 |
| 5°  | 68832 |
| 10° | 69037 |
| 15° | 69521 |
| 20° | 69589 |
| 25° | 69791 |
| 30° | 70039 |
| 35° | 69930 |
| 40° | 64700 |
| 45° | 51517 |
| 50° | 34651 |
| 55° | 20689 |
| 60° | 10106 |
| 65° | 9165  |
| 70° | 9523  |
| 75° | 11190 |
| 80° | 13333 |
| 85° | 15045 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 51517 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 754.1   | 4.8       |
| 10°-20°   | 2188.9  | 13.8      |
| 20°-30°   | 3370.3  | 21.3      |
| 30°-40°   | 4092.3  | 25.8      |
| 40°-50°   | 3205.3  | 20.2      |
| 50°-60°   | 1276.2  | 8.1       |
| 60°-70°   | 453.7   | 2.9       |
| 70°-80°   | 348.4   | 2.2       |
| 80°-90°   | 157.4   | 1.0       |
| 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°    | 6313.4  | 39.8      |
| 0°-40°    | 10405.6 | 65.7      |
| 0°-60°    | 14887.1 | 93.9      |
| 0°-90°    | 15846.6 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 15846.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7929 |      |
| 5°  | 7922 | 754  |
| 15° | 7758 | 2189 |
| 25° | 7308 | 3370 |
| 35° | 6618 | 4092 |
| 45° | 4209 | 3205 |
| 55° | 1371 | 1276 |
| 65° | 448  | 454  |
| 75° | 335  | 348  |
| 85° | 152  | 157  |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 7929.3 |
| 2.5°  | 7914.0 |
| 5°    | 7922.2 |
| 7.5°  | 7903.8 |
| 10°   | 7855.0 |
| 12.5° | 7812.3 |
| 15°   | 7758.4 |
| 17.5° | 7672.0 |
| 20°   | 7555.0 |
| 22.5° | 7429.9 |
| 25°   | 7307.8 |
| 27.5° | 7169.5 |
| 30°   | 7007.8 |
| 32.5° | 6825.7 |
| 35°   | 6618.2 |
| 37.5° | 6336.5 |
| 40°   | 5726.2 |
| 42.5° | 5007.2 |
| 45°   | 4208.7 |
| 47.5° | 3364.6 |
| 50°   | 2573.3 |
| 52.5° | 1921.3 |
| 55°   | 1371.0 |
| 57.5° | 896.1  |
| 60°   | 583.8  |
| 62.5° | 505.5  |
| 65°   | 447.5  |
| 67.5° | 400.7  |
| 70°   | 376.3  |
| 72.5° | 355.0  |
| 75°   | 334.6  |
| 77.5° | 307.2  |
| 80°   | 267.5  |
| 82.5° | 217.7  |
| 85°   | 151.5  |
| 87.5° | 75.3   |
| 90°   | 0.0    |

(END OF REPORT)