

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: P1504326

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

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504326  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)  
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-A-04-TRWH-PS (4000K\_L16\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

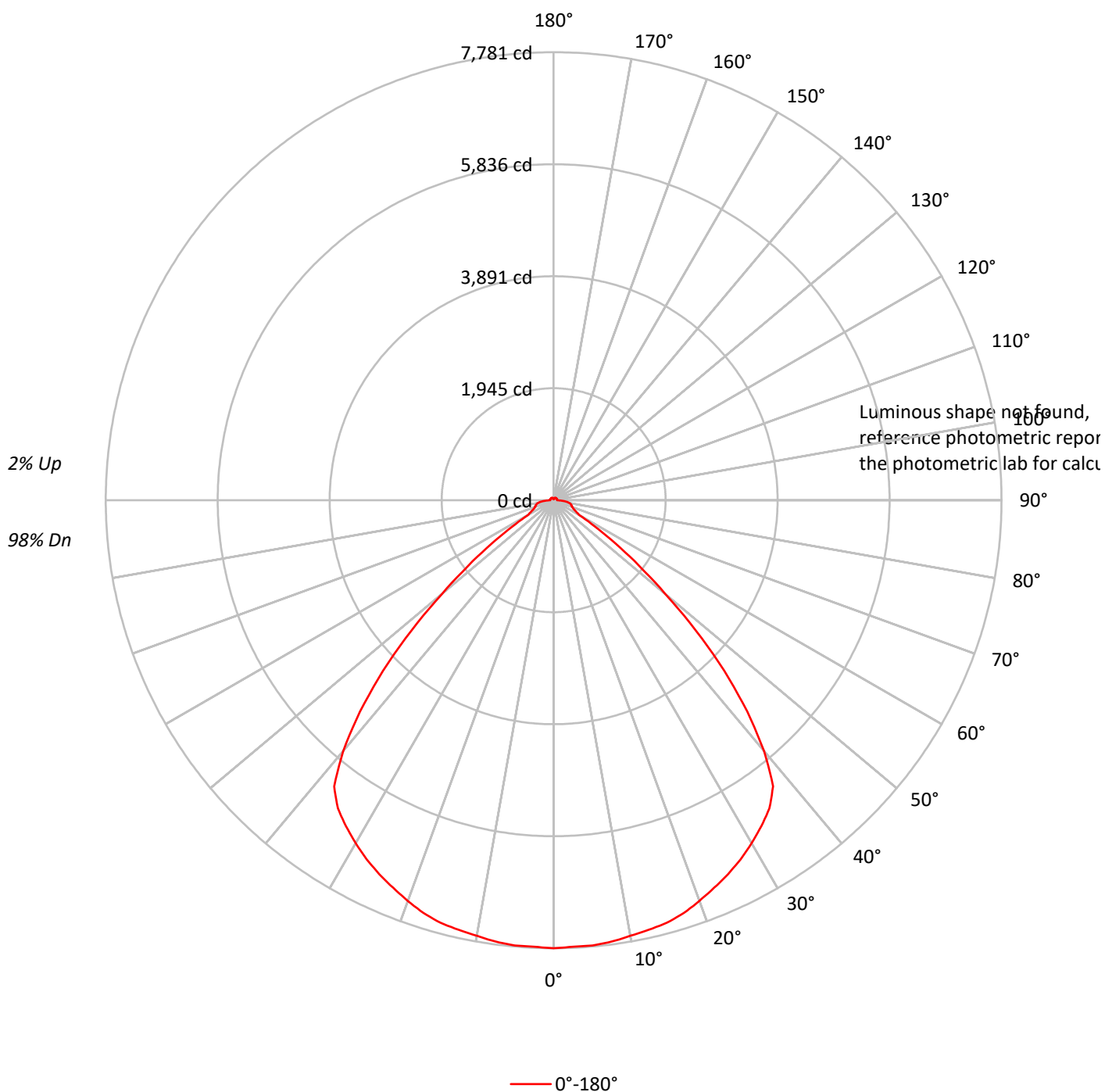
Lumens per Lamp: N/A  
Luminaire Lumens: 15920.6 lumens  
Efficiency: N/A  
Efficacy: 160.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31  
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')  
CIE Type: Direct

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



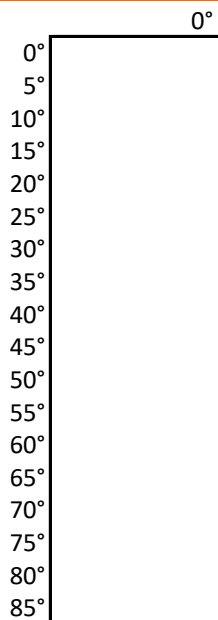
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 |
| 1   | 111 | 107 | 104 | 101 | 108 | 104 | 101 | 99  | 100 | 97  | 95  | 96  | 94  | 92  | 92  | 90  | 89  |
| 2   | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 83  | 87  | 84  | 81  | 84  | 81  | 79  |
| 3   | 96  | 87  | 81  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 79  | 75  | 71  | 77  | 73  | 70  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 75  | 69  | 65  | 73  | 68  | 64  | 70  | 66  | 63  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 64  | 60  | 56  |
| 6   | 77  | 66  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 52  | 61  | 55  | 51  | 59  | 54  | 50  |
| 7   | 72  | 60  | 53  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  |
| 8   | 67  | 55  | 48  | 43  | 66  | 55  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  |
| 9   | 63  | 51  | 44  | 39  | 62  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 44  | 38  | 35  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 738.2   | 4.6       |
| 10°-20°   | 2143.6  | 13.5      |
| 20°-30°   | 3305.4  | 20.8      |
| 30°-40°   | 4037.6  | 25.4      |
| 40°-50°   | 3186.0  | 20.0      |
| 50°-60°   | 1226.5  | 7.7       |
| 60°-70°   | 407.0   | 2.6       |
| 70°-80°   | 331.5   | 2.1       |
| 80°-90°   | 196.4   | 1.2       |
| 90°-100°  | 66.3    | 0.4       |
| 100°-110° | 65.1    | 0.4       |
| 110°-120° | 59.6    | 0.4       |
| 120°-130° | 51.5    | 0.3       |
| 130°-140° | 41.9    | 0.3       |
| 140°-150° | 32.2    | 0.2       |
| 150°-160° | 20.5    | 0.1       |
| 160°-170° | 9.0     | 0.1       |
| 170°-180° | 2.1     | 0.0       |
| 0°-30°    | 6187.2  | 38.9      |
| 0°-40°    | 10224.8 | 64.2      |
| 0°-60°    | 14637.4 | 91.9      |
| 0°-90°    | 15572.3 | 97.8      |
| 90°-120°  | 190.9   | 1.2       |
| 90°-150°  | 316.5   | 2.0       |
| 90°-180°  | 348.0   | 2.2       |
| 0°-180°   | 15920.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 7781 |      |
| 5°   | 7762 | 738  |
| 15°  | 7599 | 2144 |
| 25°  | 7165 | 3305 |
| 35°  | 6534 | 4038 |
| 45°  | 4192 | 3186 |
| 55°  | 1313 | 1227 |
| 65°  | 402  | 407  |
| 75°  | 316  | 332  |
| 85°  | 189  | 171  |
| 90°  | 61   | 42   |
| 95°  | 61   | 50   |
| 105° | 62   | 65   |
| 115° | 60   | 60   |
| 125° | 57   | 51   |
| 135° | 54   | 42   |
| 145° | 51   | 32   |
| 155° | 44   | 21   |
| 165° | 30   | 9    |
| 175° | 20   | 2    |
| 180° | 19   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 7780.8 |
| 2.5°   | 7761.5 |
| 5°     | 7761.5 |
| 7.5°   | 7732.0 |
| 10°    | 7681.1 |
| 12.5°  | 7641.4 |
| 15°    | 7598.7 |
| 17.5°  | 7518.4 |
| 20°    | 7405.5 |
| 22.5°  | 7285.5 |
| 25°    | 7165.4 |
| 27.5°  | 7033.2 |
| 30°    | 6877.6 |
| 32.5°  | 6713.8 |
| 35°    | 6533.8 |
| 37.5°  | 6262.3 |
| 40°    | 5687.6 |
| 42.5°  | 4977.7 |
| 45°    | 4192.5 |
| 47.5°  | 3350.3 |
| 50°    | 2531.6 |
| 52.5°  | 1868.4 |
| 55°    | 1313.1 |
| 57.5°  | 840.1  |
| 60°    | 517.7  |
| 62.5°  | 448.5  |
| 65°    | 401.8  |
| 67.5°  | 363.1  |
| 70°    | 344.8  |
| 72.5°  | 328.5  |
| 75°    | 316.3  |
| 77.5°  | 300.0  |
| 80°    | 274.6  |
| 82.5°  | 239.0  |
| 85°    | 189.2  |
| 87.5°  | 125.1  |
| 90°    | 61.0   |
| 92.5°  | 60.0   |
| 95°    | 61.0   |
| 97.5°  | 61.0   |
| 100°   | 61.0   |
| 102.5° | 62.0   |
| 105°   | 62.0   |
| 107.5° | 61.0   |
| 110°   | 61.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 61.0 |
| 115°   | 60.0 |
| 117.5° | 59.0 |
| 120°   | 59.0 |
| 122.5° | 58.0 |
| 125°   | 57.0 |
| 127.5° | 57.0 |
| 130°   | 55.9 |
| 132.5° | 54.9 |
| 135°   | 53.9 |
| 137.5° | 52.9 |
| 140°   | 52.9 |
| 142.5° | 51.9 |
| 145°   | 50.9 |
| 147.5° | 50.9 |
| 150°   | 49.8 |
| 152.5° | 47.8 |
| 155°   | 43.7 |
| 157.5° | 40.7 |
| 160°   | 37.6 |
| 162.5° | 34.6 |
| 165°   | 30.5 |
| 167.5° | 28.5 |
| 170°   | 25.4 |
| 172.5° | 23.4 |
| 175°   | 20.3 |
| 177.5° | 19.3 |
| 180°   | 19.3 |

(END OF REPORT)