

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: P1504704

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K\_L16\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504704  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)  
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-TRWH-PS (6500K\_L16\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source: 6500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

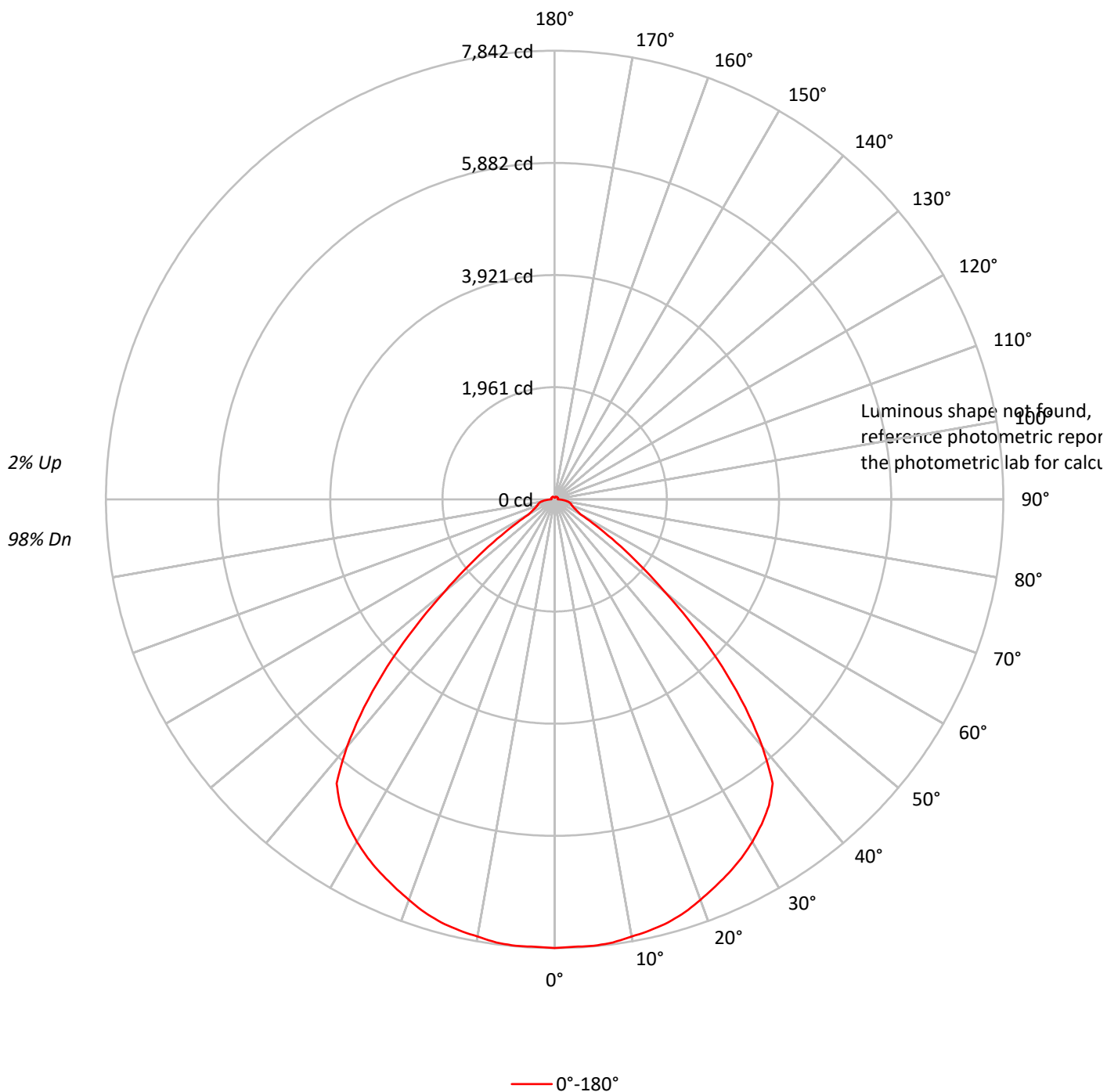
Lumens per Lamp: N/A  
Luminaire Lumens: 15876.4 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3  
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')  
CIE Type: Direct

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



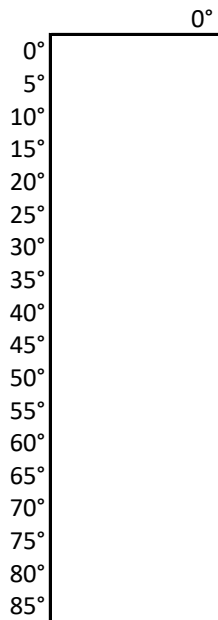
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 0  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 |    |    | 98 |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 95  | 96  | 94  | 92  | 92  | 91  | 89  |    |    | 87 |
| 2   | 103 | 97  | 91  | 87  | 100 | 95  | 90  | 86  | 91  | 87  | 83  | 87  | 84  | 81  | 84  | 81  | 79  |    |    | 77 |
| 3   | 96  | 87  | 81  | 76  | 93  | 86  | 80  | 75  | 83  | 77  | 73  | 80  | 75  | 72  | 77  | 73  | 70  |    |    | 68 |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 75  | 69  | 65  | 73  | 68  | 64  | 71  | 66  | 63  |    |    | 61 |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 61  | 57  | 65  | 60  | 56  |    |    | 54 |
| 6   | 77  | 66  | 58  | 53  | 75  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 56  | 51  | 60  | 55  | 51  |    |    | 49 |
| 7   | 72  | 60  | 53  | 47  | 70  | 60  | 52  | 47  | 58  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  |    |    | 44 |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  |    |    | 40 |
| 9   | 63  | 51  | 44  | 39  | 62  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  |    |    | 36 |
| 10  | 60  | 48  | 40  | 36  | 58  | 47  | 40  | 36  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  |    |    | 33 |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 745.3   | 4.7       |
| 10°-20°   | 2160.2  | 13.6      |
| 20°-30°   | 3323.5  | 20.9      |
| 30°-40°   | 4038.6  | 25.4      |
| 40°-50°   | 3156.4  | 19.9      |
| 50°-60°   | 1223.9  | 7.7       |
| 60°-70°   | 398.8   | 2.5       |
| 70°-80°   | 307.0   | 1.9       |
| 80°-90°   | 171.0   | 1.1       |
| 90°-100°  | 63.1    | 0.4       |
| 100°-110° | 63.0    | 0.4       |
| 110°-120° | 59.1    | 0.4       |
| 120°-130° | 52.3    | 0.3       |
| 130°-140° | 43.5    | 0.3       |
| 140°-150° | 33.7    | 0.2       |
| 150°-160° | 22.5    | 0.1       |
| 160°-170° | 11.3    | 0.1       |
| 170°-180° | 3.1     | 0.0       |
| 0°-30°    | 6229.0  | 39.2      |
| 0°-40°    | 10267.6 | 64.7      |
| 0°-60°    | 14647.9 | 92.3      |
| 0°-90°    | 15524.7 | 97.8      |
| 90°-120°  | 185.2   | 1.2       |
| 90°-150°  | 314.8   | 2.0       |
| 90°-180°  | 352.0   | 2.2       |
| 0°-180°   | 15876.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 7842 |      |
| 5°   | 7832 | 745  |
| 15°  | 7658 | 2160 |
| 25°  | 7205 | 3323 |
| 35°  | 6531 | 4039 |
| 45°  | 4146 | 3156 |
| 55°  | 1311 | 1224 |
| 65°  | 392  | 399  |
| 75°  | 294  | 307  |
| 85°  | 161  | 149  |
| 90°  | 58   | 38   |
| 95°  | 58   | 47   |
| 105° | 60   | 63   |
| 115° | 60   | 59   |
| 125° | 59   | 52   |
| 135° | 56   | 43   |
| 145° | 54   | 34   |
| 155° | 49   | 22   |
| 165° | 40   | 11   |
| 175° | 31   | 3    |
| 180° | 31   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 7842.0 |
| 2.5°   | 7825.8 |
| 5°     | 7831.8 |
| 7.5°   | 7812.6 |
| 10°    | 7759.0 |
| 12.5°  | 7715.4 |
| 15°    | 7657.7 |
| 17.5°  | 7567.6 |
| 20°    | 7449.2 |
| 22.5°  | 7327.7 |
| 25°    | 7205.2 |
| 27.5°  | 7070.5 |
| 30°    | 6909.6 |
| 32.5°  | 6731.4 |
| 35°    | 6530.9 |
| 37.5°  | 6259.6 |
| 40°    | 5653.2 |
| 42.5°  | 4933.4 |
| 45°    | 4145.7 |
| 47.5°  | 3313.5 |
| 50°    | 2513.8 |
| 52.5°  | 1860.8 |
| 55°    | 1311.0 |
| 57.5°  | 843.3  |
| 60°    | 523.4  |
| 62.5°  | 447.5  |
| 65°    | 391.8  |
| 67.5°  | 348.3  |
| 70°    | 326.0  |
| 72.5°  | 307.8  |
| 75°    | 293.6  |
| 77.5°  | 274.4  |
| 80°    | 246.0  |
| 82.5°  | 208.6  |
| 85°    | 161.0  |
| 87.5°  | 106.3  |
| 90°    | 57.7   |
| 92.5°  | 56.7   |
| 95°    | 57.7   |
| 97.5°  | 58.7   |
| 100°   | 58.7   |
| 102.5° | 59.7   |
| 105°   | 59.7   |
| 107.5° | 59.7   |
| 110°   | 59.7   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 59.7 |
| 115°   | 59.7 |
| 117.5° | 59.7 |
| 120°   | 58.7 |
| 122.5° | 58.7 |
| 125°   | 58.7 |
| 127.5° | 57.7 |
| 130°   | 57.7 |
| 132.5° | 56.7 |
| 135°   | 55.7 |
| 137.5° | 55.7 |
| 140°   | 54.7 |
| 142.5° | 54.7 |
| 145°   | 53.7 |
| 147.5° | 52.6 |
| 150°   | 52.6 |
| 152.5° | 50.6 |
| 155°   | 48.6 |
| 157.5° | 45.6 |
| 160°   | 44.5 |
| 162.5° | 41.5 |
| 165°   | 39.5 |
| 167.5° | 37.5 |
| 170°   | 34.4 |
| 172.5° | 32.4 |
| 175°   | 31.4 |
| 177.5° | 31.4 |
| 180°   | 31.4 |

(END OF REPORT)