

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: P1504806

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K\_L18\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504806  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)  
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-CLER-PS (3000K\_L18\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

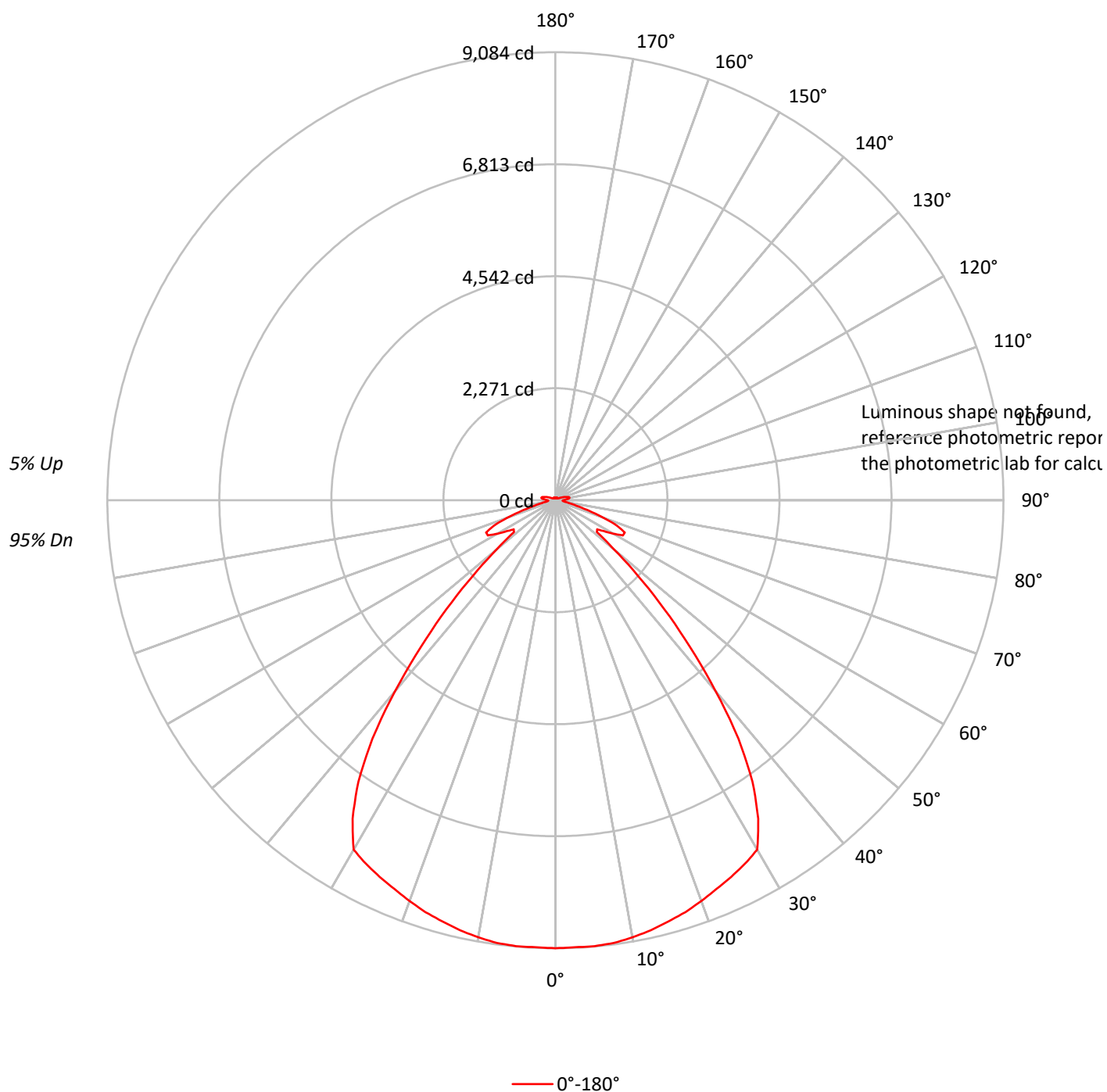
Lumens per Lamp: N/A  
Luminaire Lumens: 17966.4 lumens  
Efficiency: N/A  
Efficacy: 146.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 122.9  
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



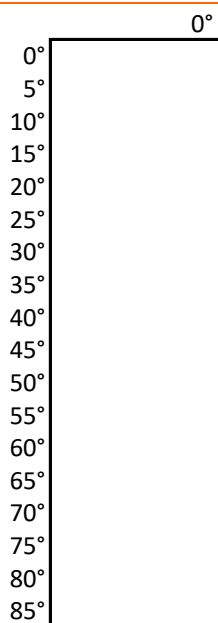
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| 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   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 95 |
| 1   | 110 | 106 | 102 | 99  | 107 | 103 | 100 | 97  | 98  | 96  | 93  | 93  | 91  | 90  | 89 | 88 | 86 | 84 |
| 2   | 102 | 95  | 89  | 84  | 99  | 93  | 87  | 83  | 88  | 84  | 81  | 85  | 81  | 78  | 81 | 78 | 76 | 74 |
| 3   | 94  | 85  | 79  | 73  | 92  | 84  | 77  | 72  | 80  | 75  | 70  | 77  | 72  | 69  | 74 | 70 | 67 | 65 |
| 4   | 88  | 77  | 70  | 64  | 85  | 76  | 69  | 64  | 73  | 67  | 62  | 70  | 65  | 61  | 68 | 63 | 60 | 58 |
| 5   | 82  | 71  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 60  | 56  | 64  | 59  | 55  | 62 | 57 | 54 | 52 |
| 6   | 76  | 65  | 57  | 51  | 74  | 63  | 56  | 51  | 61  | 55  | 50  | 59  | 54  | 49  | 57 | 52 | 49 | 47 |
| 7   | 71  | 59  | 52  | 46  | 69  | 58  | 51  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 53 | 48 | 44 | 42 |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 49 | 44 | 40 | 39 |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 47  | 42  | 37  | 46 | 41 | 37 | 35 |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 43 | 38 | 34 | 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°    | 863.9   | 4.8       |
| 10°-20°   | 2500.5  | 13.9      |
| 20°-30°   | 3892.0  | 21.7      |
| 30°-40°   | 4254.1  | 23.7      |
| 40°-50°   | 2426.3  | 13.5      |
| 50°-60°   | 1054.5  | 5.9       |
| 60°-70°   | 1401.9  | 7.8       |
| 70°-80°   | 560.0   | 3.1       |
| 80°-90°   | 175.4   | 1.0       |
| 90°-100°  | 252.9   | 1.4       |
| 100°-110° | 264.4   | 1.5       |
| 110°-120° | 130.5   | 0.7       |
| 120°-130° | 61.1    | 0.3       |
| 130°-140° | 47.9    | 0.3       |
| 140°-150° | 37.4    | 0.2       |
| 150°-160° | 25.2    | 0.1       |
| 160°-170° | 14.4    | 0.1       |
| 170°-180° | 4.1     | 0.0       |
| 0°-30°    | 7256.4  | 40.4      |
| 0°-40°    | 11510.5 | 64.1      |
| 0°-60°    | 14991.3 | 83.4      |
| 0°-90°    | 17128.5 | 95.3      |
| 90°-120°  | 647.8   | 3.6       |
| 90°-150°  | 794.2   | 4.4       |
| 90°-180°  | 838.0   | 4.7       |
| 0°-180°   | 17966.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 9084 |      |
| 5°   | 9077 | 864  |
| 15°  | 8843 | 2500 |
| 25°  | 8426 | 3892 |
| 35°  | 6964 | 4254 |
| 45°  | 3120 | 2426 |
| 55°  | 1030 | 1054 |
| 65°  | 1550 | 1402 |
| 75°  | 471  | 560  |
| 85°  | 146  | 134  |
| 90°  | 160  | 90   |
| 95°  | 235  | 205  |
| 105° | 255  | 264  |
| 115° | 127  | 130  |
| 125° | 65   | 61   |
| 135° | 62   | 48   |
| 145° | 60   | 37   |
| 155° | 54   | 25   |
| 165° | 51   | 14   |
| 175° | 43   | 4    |
| 180° | 44   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 9084.4 |
| 2.5°   | 9071.0 |
| 5°     | 9076.6 |
| 7.5°   | 9054.1 |
| 10°    | 8997.9 |
| 12.5°  | 8931.6 |
| 15°    | 8842.9 |
| 17.5°  | 8757.5 |
| 20°    | 8648.5 |
| 22.5°  | 8532.8 |
| 25°    | 8426.1 |
| 27.5°  | 8313.7 |
| 30°    | 8181.2 |
| 32.5°  | 7653.1 |
| 35°    | 6964.4 |
| 37.5°  | 6093.7 |
| 40°    | 5057.9 |
| 42.5°  | 4034.4 |
| 45°    | 3119.9 |
| 47.5°  | 2269.4 |
| 50°    | 1542.5 |
| 52.5°  | 1059.4 |
| 55°    | 1030.2 |
| 57.5°  | 1162.8 |
| 60°    | 1358.3 |
| 62.5°  | 1543.7 |
| 65°    | 1550.4 |
| 67.5°  | 1360.5 |
| 70°    | 1047.1 |
| 72.5°  | 716.8  |
| 75°    | 470.7  |
| 77.5°  | 311.2  |
| 80°    | 214.6  |
| 82.5°  | 165.2  |
| 85°    | 146.1  |
| 87.5°  | 144.9  |
| 90°    | 159.5  |
| 92.5°  | 193.2  |
| 95°    | 234.8  |
| 97.5°  | 274.1  |
| 100°   | 292.1  |
| 102.5° | 283.1  |
| 105°   | 255.0  |
| 107.5° | 220.2  |
| 110°   | 187.6  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 156.2 |
| 115°   | 127.0 |
| 117.5° | 103.4 |
| 120°   | 85.4  |
| 122.5° | 73.0  |
| 125°   | 65.2  |
| 127.5° | 60.7  |
| 130°   | 59.5  |
| 132.5° | 60.7  |
| 135°   | 61.8  |
| 137.5° | 64.0  |
| 140°   | 62.9  |
| 142.5° | 61.8  |
| 145°   | 59.5  |
| 147.5° | 57.3  |
| 150°   | 55.1  |
| 152.5° | 55.1  |
| 155°   | 53.9  |
| 157.5° | 53.9  |
| 160°   | 53.9  |
| 162.5° | 52.8  |
| 165°   | 50.6  |
| 167.5° | 48.3  |
| 170°   | 44.9  |
| 172.5° | 42.7  |
| 175°   | 42.7  |
| 177.5° | 43.8  |
| 180°   | 43.8  |

(END OF REPORT)