

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: P1504258

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K\_L12\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504258  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)  
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-CLER-PS (3000K\_L12\_Medium\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

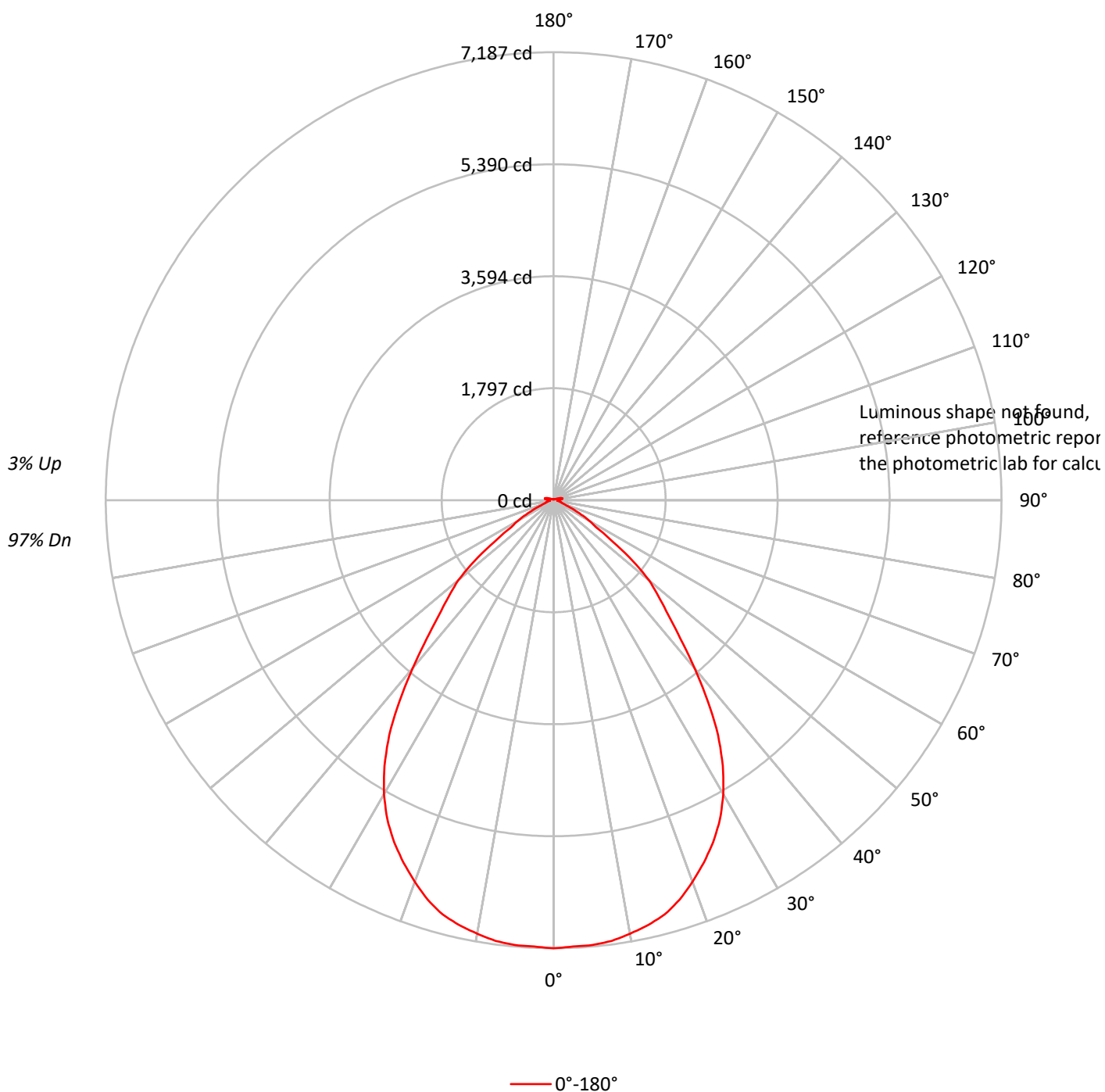
Lumens per Lamp: N/A  
Luminaire Lumens: 12305.5 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14  
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 82.8  
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 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |  |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 96  | 96  | 94  | 92  | 92 | 90 | 89 | 87 |  |  |
| 2   | 104 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 91  | 87  | 84  | 88  | 85  | 82  | 84 | 82 | 80 | 78 |  |  |
| 3   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 76  | 83  | 78  | 74  | 80  | 76  | 73  | 78 | 74 | 71 | 69 |  |  |
| 4   | 90  | 80  | 73  | 68  | 88  | 79  | 72  | 67  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 62 |  |  |
| 5   | 84  | 73  | 66  | 61  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 68  | 62  | 58  | 66 | 61 | 58 | 56 |  |  |
| 6   | 78  | 67  | 60  | 54  | 76  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 61 | 56 | 52 | 50 |  |  |
| 7   | 73  | 62  | 54  | 49  | 72  | 61  | 54  | 49  | 59  | 53  | 48  | 58  | 52  | 48  | 56 | 51 | 47 | 46 |  |  |
| 8   | 69  | 57  | 50  | 45  | 67  | 56  | 49  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 52 | 47 | 43 | 42 |  |  |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 49 | 44 | 40 | 38 |  |  |
| 10  | 61  | 49  | 42  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 37  | 47  | 41  | 37  | 46 | 40 | 37 | 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°    | 680.6   | 5.5       |
| 10°-20°   | 1932.1  | 15.7      |
| 20°-30°   | 2775.2  | 22.6      |
| 30°-40°   | 2833.6  | 23.0      |
| 40°-50°   | 2044.0  | 16.6      |
| 50°-60°   | 1086.5  | 8.8       |
| 60°-70°   | 366.4   | 3.0       |
| 70°-80°   | 124.8   | 1.0       |
| 80°-90°   | 72.0    | 0.6       |
| 90°-100°  | 119.8   | 1.0       |
| 100°-110° | 135.6   | 1.1       |
| 110°-120° | 65.0    | 0.5       |
| 120°-130° | 24.9    | 0.2       |
| 130°-140° | 16.0    | 0.1       |
| 140°-150° | 13.4    | 0.1       |
| 150°-160° | 9.7     | 0.1       |
| 160°-170° | 4.6     | 0.0       |
| 170°-180° | 1.2     | 0.0       |
| 0°-30°    | 5387.9  | 43.8      |
| 0°-40°    | 8221.6  | 66.8      |
| 0°-60°    | 11352.0 | 92.3      |
| 0°-90°    | 11915.2 | 96.8      |
| 90°-120°  | 320.4   | 2.6       |
| 90°-150°  | 374.7   | 3.0       |
| 90°-180°  | 390.0   | 3.2       |
| 0°-180°   | 12305.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 7187 |      |
| 5°   | 7163 | 681  |
| 15°  | 6881 | 1932 |
| 25°  | 6055 | 2775 |
| 35°  | 4599 | 2834 |
| 45°  | 2594 | 2044 |
| 55°  | 1160 | 1086 |
| 65°  | 346  | 366  |
| 75°  | 117  | 125  |
| 85°  | 60   | 54   |
| 90°  | 70   | 40   |
| 95°  | 111  | 98   |
| 105° | 133  | 136  |
| 115° | 63   | 65   |
| 125° | 26   | 25   |
| 135° | 20   | 16   |
| 145° | 21   | 13   |
| 155° | 21   | 10   |
| 165° | 16   | 5    |
| 175° | 12   | 1    |
| 180° | 12   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 7187.1 |
| 2.5°   | 7166.8 |
| 5°     | 7162.7 |
| 7.5°   | 7131.1 |
| 10°    | 7060.6 |
| 12.5°  | 6984.4 |
| 15°    | 6881.4 |
| 17.5°  | 6720.8 |
| 20°    | 6514.1 |
| 22.5°  | 6292.7 |
| 25°    | 6055.2 |
| 27.5°  | 5778.7 |
| 30°    | 5444.6 |
| 32.5°  | 5051.4 |
| 35°    | 4598.9 |
| 37.5°  | 4064.6 |
| 40°    | 3514.9 |
| 42.5°  | 3011.4 |
| 45°    | 2593.8 |
| 47.5°  | 2277.6 |
| 50°    | 1997.8 |
| 52.5°  | 1601.4 |
| 55°    | 1159.5 |
| 57.5°  | 807.6  |
| 60°    | 663.2  |
| 62.5°  | 501.9  |
| 65°    | 346.2  |
| 67.5°  | 227.8  |
| 70°    | 164.6  |
| 72.5°  | 133.8  |
| 75°    | 116.8  |
| 77.5°  | 99.7   |
| 80°    | 81.1   |
| 82.5°  | 66.5   |
| 85°    | 60.0   |
| 87.5°  | 61.6   |
| 90°    | 70.5   |
| 92.5°  | 88.4   |
| 95°    | 111.1  |
| 97.5°  | 133.0  |
| 100°   | 143.5  |
| 102.5° | 142.7  |
| 105°   | 133.0  |
| 107.5° | 115.9  |
| 110°   | 97.3   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 79.5 |
| 115°   | 63.2 |
| 117.5° | 49.5 |
| 120°   | 38.9 |
| 122.5° | 31.6 |
| 125°   | 25.9 |
| 127.5° | 22.7 |
| 130°   | 21.1 |
| 132.5° | 20.3 |
| 135°   | 20.3 |
| 137.5° | 21.1 |
| 140°   | 21.1 |
| 142.5° | 21.1 |
| 145°   | 21.1 |
| 147.5° | 21.9 |
| 150°   | 21.9 |
| 152.5° | 21.9 |
| 155°   | 21.1 |
| 157.5° | 20.3 |
| 160°   | 18.6 |
| 162.5° | 17.0 |
| 165°   | 16.2 |
| 167.5° | 14.6 |
| 170°   | 13.8 |
| 172.5° | 13.0 |
| 175°   | 12.2 |
| 177.5° | 12.2 |
| 180°   | 12.2 |

(END OF REPORT)