

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: P1504638

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K\_L12\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504638  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-33)  
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-CLER-PS (4000K\_L12\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

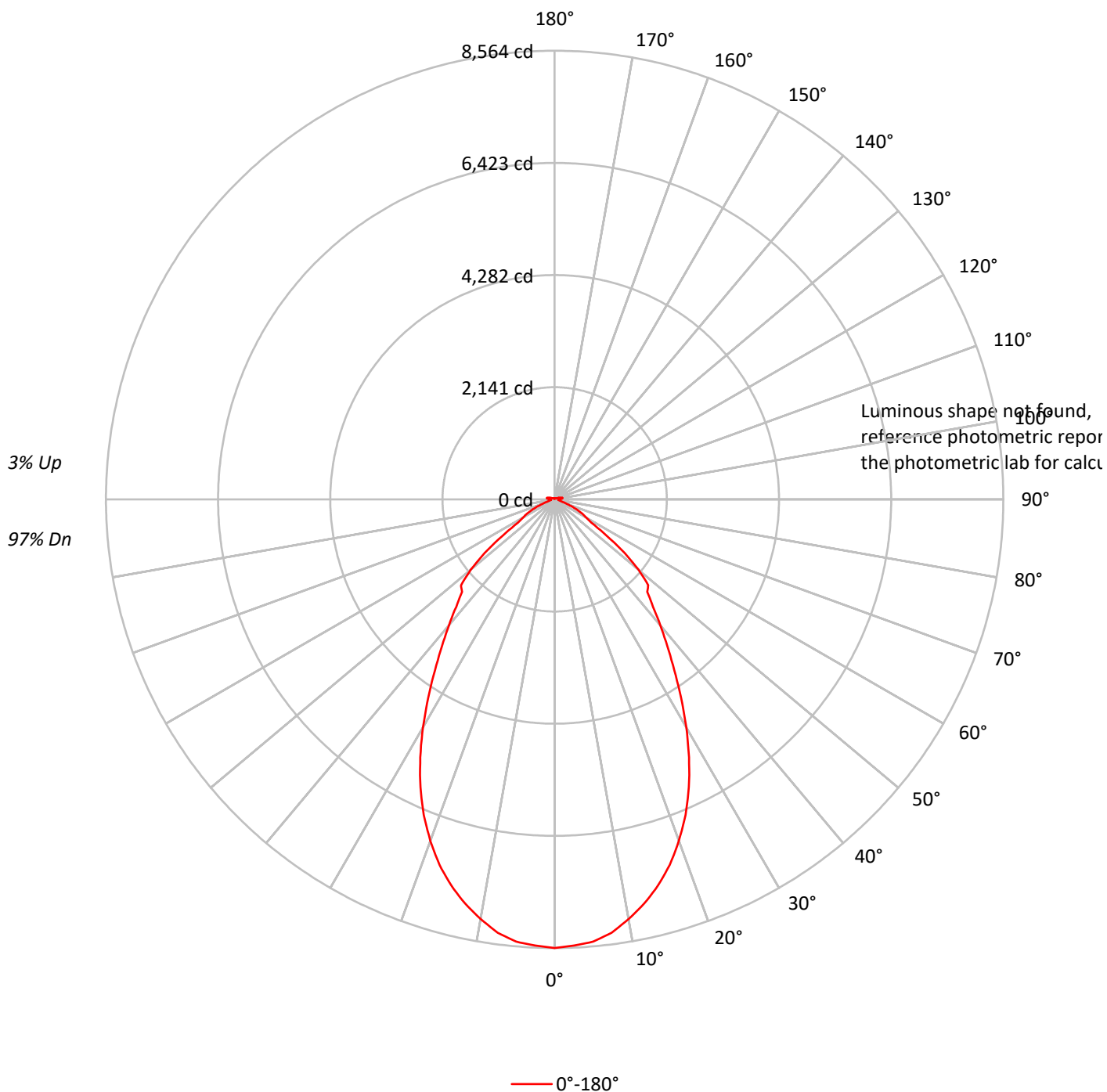
Lumens per Lamp: N/A  
Luminaire Lumens: 12409.0 lumens  
Efficiency: N/A  
Efficacy: 153.8 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1  
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 80.7  
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

TEST NUMBER: P1504638

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K\_L12\_Wide\_120V)

### Luminous Intensity Polar Plot





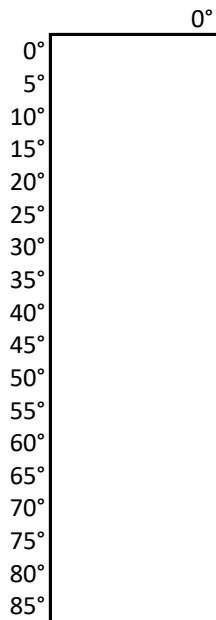
TEST NUMBER: P1504638

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K\_L12\_Wide\_120V)

### 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 | 50 | 0  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 99 | 97 |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 96  | 96  | 94  | 92  | 92 | 90 | 89 | 89 | 87 |  |
| 2   | 103 | 97  | 92  | 88  | 101 | 95  | 90  | 86  | 91  | 87  | 84  | 88  | 85  | 82  | 84 | 82 | 80 | 80 | 77 |  |
| 3   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 76  | 83  | 78  | 74  | 80  | 76  | 73  | 78 | 74 | 71 | 71 | 69 |  |
| 4   | 90  | 80  | 73  | 68  | 88  | 79  | 72  | 67  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 64 | 62 |  |
| 5   | 84  | 74  | 66  | 61  | 82  | 72  | 66  | 60  | 70  | 64  | 60  | 68  | 63  | 59  | 66 | 61 | 58 | 58 | 56 |  |
| 6   | 79  | 68  | 60  | 55  | 77  | 67  | 60  | 55  | 65  | 58  | 54  | 63  | 57  | 53  | 61 | 56 | 53 | 53 | 51 |  |
| 7   | 74  | 62  | 55  | 50  | 72  | 61  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 57 | 52 | 48 | 48 | 46 |  |
| 8   | 69  | 58  | 51  | 46  | 68  | 57  | 50  | 45  | 56  | 49  | 45  | 54  | 49  | 45  | 53 | 48 | 44 | 44 | 42 |  |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 49 | 44 | 41 | 41 | 39 |  |
| 10  | 62  | 50  | 43  | 39  | 60  | 50  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  | 46 | 41 | 38 | 38 | 36 |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

TEST NUMBER: P1504638

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K\_L12\_Wide\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 797.9   | 6.4       |
| 10°-20°   | 2135.6  | 17.2      |
| 20°-30°   | 2764.7  | 22.3      |
| 30°-40°   | 2500.6  | 20.2      |
| 40°-50°   | 1986.8  | 16.0      |
| 50°-60°   | 1135.8  | 9.2       |
| 60°-70°   | 467.7   | 3.8       |
| 70°-80°   | 137.9   | 1.1       |
| 80°-90°   | 80.4    | 0.6       |
| 90°-100°  | 139.6   | 1.1       |
| 100°-110° | 135.6   | 1.1       |
| 110°-120° | 62.0    | 0.5       |
| 120°-130° | 22.9    | 0.2       |
| 130°-140° | 14.7    | 0.1       |
| 140°-150° | 11.9    | 0.1       |
| 150°-160° | 8.6     | 0.1       |
| 160°-170° | 4.8     | 0.0       |
| 170°-180° | 1.4     | 0.0       |
| 0°-30°    | 5698.2  | 45.9      |
| 0°-40°    | 8198.8  | 66.1      |
| 0°-60°    | 11321.4 | 91.2      |
| 0°-90°    | 12007.4 | 96.8      |
| 90°-120°  | 337.3   | 2.7       |
| 90°-150°  | 386.8   | 3.1       |
| 90°-180°  | 402.0   | 3.2       |
| 0°-180°   | 12409.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 8564 |      |
| 5°   | 8474 | 798  |
| 15°  | 7629 | 2136 |
| 25°  | 6062 | 2765 |
| 35°  | 3978 | 2501 |
| 45°  | 2496 | 1987 |
| 55°  | 1217 | 1136 |
| 65°  | 480  | 468  |
| 75°  | 116  | 138  |
| 85°  | 68   | 58   |
| 90°  | 88   | 49   |
| 95°  | 133  | 113  |
| 105° | 130  | 136  |
| 115° | 60   | 62   |
| 125° | 24   | 23   |
| 135° | 19   | 15   |
| 145° | 19   | 12   |
| 155° | 19   | 9    |
| 165° | 17   | 5    |
| 175° | 14   | 1    |
| 180° | 15   |      |

TEST NUMBER: P1504638

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K\_L12\_Wide\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 8564.1 |
| 2.5°   | 8522.7 |
| 5°     | 8473.7 |
| 7.5°   | 8341.9 |
| 10°    | 8134.9 |
| 12.5°  | 7901.7 |
| 15°    | 7628.8 |
| 17.5°  | 7312.9 |
| 20°    | 6934.4 |
| 22.5°  | 6523.0 |
| 25°    | 6061.7 |
| 27.5°  | 5553.9 |
| 30°    | 5021.7 |
| 32.5°  | 4486.1 |
| 35°    | 3978.3 |
| 37.5°  | 3527.2 |
| 40°    | 3136.0 |
| 42.5°  | 2780.3 |
| 45°    | 2495.6 |
| 47.5°  | 2424.7 |
| 50°    | 2086.7 |
| 52.5°  | 1682.1 |
| 55°    | 1216.6 |
| 57.5°  | 829.6  |
| 60°    | 700.4  |
| 62.5°  | 593.9  |
| 65°    | 479.9  |
| 67.5°  | 354.8  |
| 70°    | 235.7  |
| 72.5°  | 154.6  |
| 75°    | 115.7  |
| 77.5°  | 95.5   |
| 80°    | 79.4   |
| 82.5°  | 69.3   |
| 85°    | 67.6   |
| 87.5°  | 74.3   |
| 90°    | 87.9   |
| 92.5°  | 109.8  |
| 95°    | 132.6  |
| 97.5°  | 149.5  |
| 100°   | 152.9  |
| 102.5° | 145.3  |
| 105°   | 130.1  |
| 107.5° | 113.2  |
| 110°   | 93.8   |

TEST NUMBER: P1504638

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K\_L12\_Wide\_120V)

**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 76.9 |
| 115°   | 60.0 |
| 117.5° | 46.5 |
| 120°   | 36.3 |
| 122.5° | 28.7 |
| 125°   | 23.7 |
| 127.5° | 21.1 |
| 130°   | 19.4 |
| 132.5° | 18.6 |
| 135°   | 18.6 |
| 137.5° | 19.4 |
| 140°   | 19.4 |
| 142.5° | 19.4 |
| 145°   | 18.6 |
| 147.5° | 18.6 |
| 150°   | 18.6 |
| 152.5° | 18.6 |
| 155°   | 18.6 |
| 157.5° | 18.6 |
| 160°   | 17.7 |
| 162.5° | 17.7 |
| 165°   | 16.9 |
| 167.5° | 16.1 |
| 170°   | 15.2 |
| 172.5° | 15.2 |
| 175°   | 14.4 |
| 177.5° | 15.2 |
| 180°   | 15.2 |

(END OF REPORT)