

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: P1504903

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K\_L18\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504903  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)  
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-WHGL-PS (3500K\_L18\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

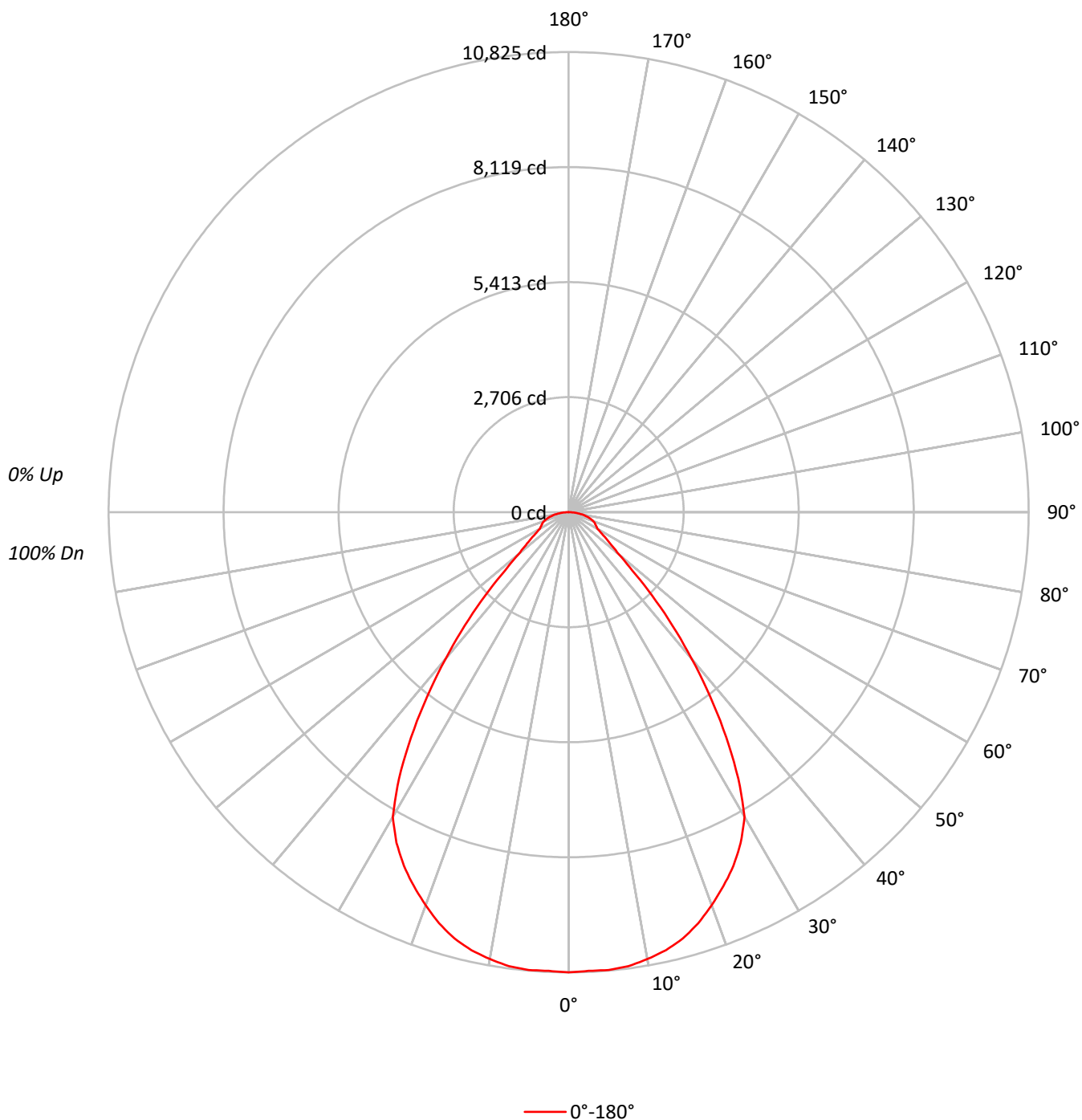
Lumens per Lamp: N/A  
Luminaire Lumens: 16687.5 lumens  
Efficiency: N/A  
Efficacy: 138.3 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09  
Luminous Opening: Circular (Dia: 1.3' x H: 0')  
CIE Type: Direct

Input Watts (W): 120.7  
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: P1504903

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K\_L18\_Medium\_120V)

### Luminous Intensity Polar Plot





TEST NUMBER: P1504903

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K\_L18\_Medium\_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  | 0   |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 111 | 108 | 104 | 101 | 109 | 106 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |  |  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 84  | 81  | 79  |  |  |
| 3   | 97  | 89  | 82  | 77  | 95  | 87  | 81  | 77  | 85  | 80  | 75  | 82  | 78  | 74  | 80  | 76  | 73  | 71  |  |  |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 73  | 68  | 78  | 72  | 68  | 75  | 71  | 67  | 73  | 69  | 66  | 64  |  |  |
| 5   | 85  | 75  | 67  | 62  | 83  | 73  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 60  | 68  | 63  | 60  | 58  |  |  |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 55  | 53  |  |  |
| 7   | 75  | 64  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 50  | 59  | 54  | 50  | 48  |  |  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |  |  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 41  |  |  |
| 10  | 63  | 51  | 44  | 40  | 62  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 48  | 43  | 39  | 38  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 87784 |
| 5°  | 87996 |
| 10° | 87901 |
| 15° | 87173 |
| 20° | 84911 |
| 25° | 82127 |
| 30° | 77501 |
| 35° | 63976 |
| 40° | 47639 |
| 45° | 31792 |
| 50° | 19346 |
| 55° | 15156 |
| 60° | 12756 |
| 65° | 13394 |
| 70° | 14615 |
| 75° | 15225 |
| 80° | 15346 |
| 85° | 14850 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 31792 cd/sqm

TEST NUMBER: P1504903

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K\_L18\_Medium\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1027.6  | 6.2       |
| 10°-20°   | 2917.3  | 17.5      |
| 20°-30°   | 4205.8  | 25.2      |
| 30°-40°   | 3997.9  | 24.0      |
| 40°-50°   | 2181.6  | 13.1      |
| 50°-60°   | 980.1   | 5.9       |
| 60°-70°   | 693.5   | 4.2       |
| 70°-80°   | 507.5   | 3.0       |
| 80°-90°   | 176.3   | 1.1       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-30°    | 8150.6  | 48.8      |
| 0°-40°    | 12148.5 | 72.8      |
| 0°-60°    | 15310.2 | 91.7      |
| 0°-90°    | 16687.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 16687.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10825 |      |
| 5°  | 10810 | ###  |
| 15° | 10383 | 2917 |
| 25° | 9178  | 4206 |
| 35° | 6462  | 3998 |
| 45° | 2772  | 2182 |
| 55° | 1072  | 980  |
| 65° | 698   | 694  |
| 75° | 486   | 508  |
| 85° | 160   | 176  |
| 90° | 0     |      |

TEST NUMBER: P1504903

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K\_L18\_Medium\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 10824.9 |
| 2.5°  | 10800.4 |
| 5°    | 10809.7 |
| 7.5°  | 10771.3 |
| 10°   | 10674.6 |
| 12.5° | 10556.9 |
| 15°   | 10383.2 |
| 17.5° | 10138.6 |
| 20°   | 9839.1  |
| 22.5° | 9519.8  |
| 25°   | 9178.4  |
| 27.5° | 8769.4  |
| 30°   | 8276.5  |
| 32.5° | 7428.3  |
| 35°   | 6462.3  |
| 37.5° | 5475.4  |
| 40°   | 4500.1  |
| 42.5° | 3614.5  |
| 45°   | 2772.1  |
| 47.5° | 2031.0  |
| 50°   | 1533.4  |
| 52.5° | 1264.3  |
| 55°   | 1072.0  |
| 57.5° | 901.9   |
| 60°   | 786.5   |
| 62.5° | 736.4   |
| 65°   | 698.0   |
| 67.5° | 663.0   |
| 70°   | 616.4   |
| 72.5° | 554.6   |
| 75°   | 485.9   |
| 77.5° | 410.2   |
| 80°   | 328.6   |
| 82.5° | 245.9   |
| 85°   | 159.6   |
| 87.5° | 78.1    |
| 90°   | 0.0     |

(END OF REPORT)