

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: P1504762

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K\_L12\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504762  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)  
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-BLAK-PS (3500K\_L12\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

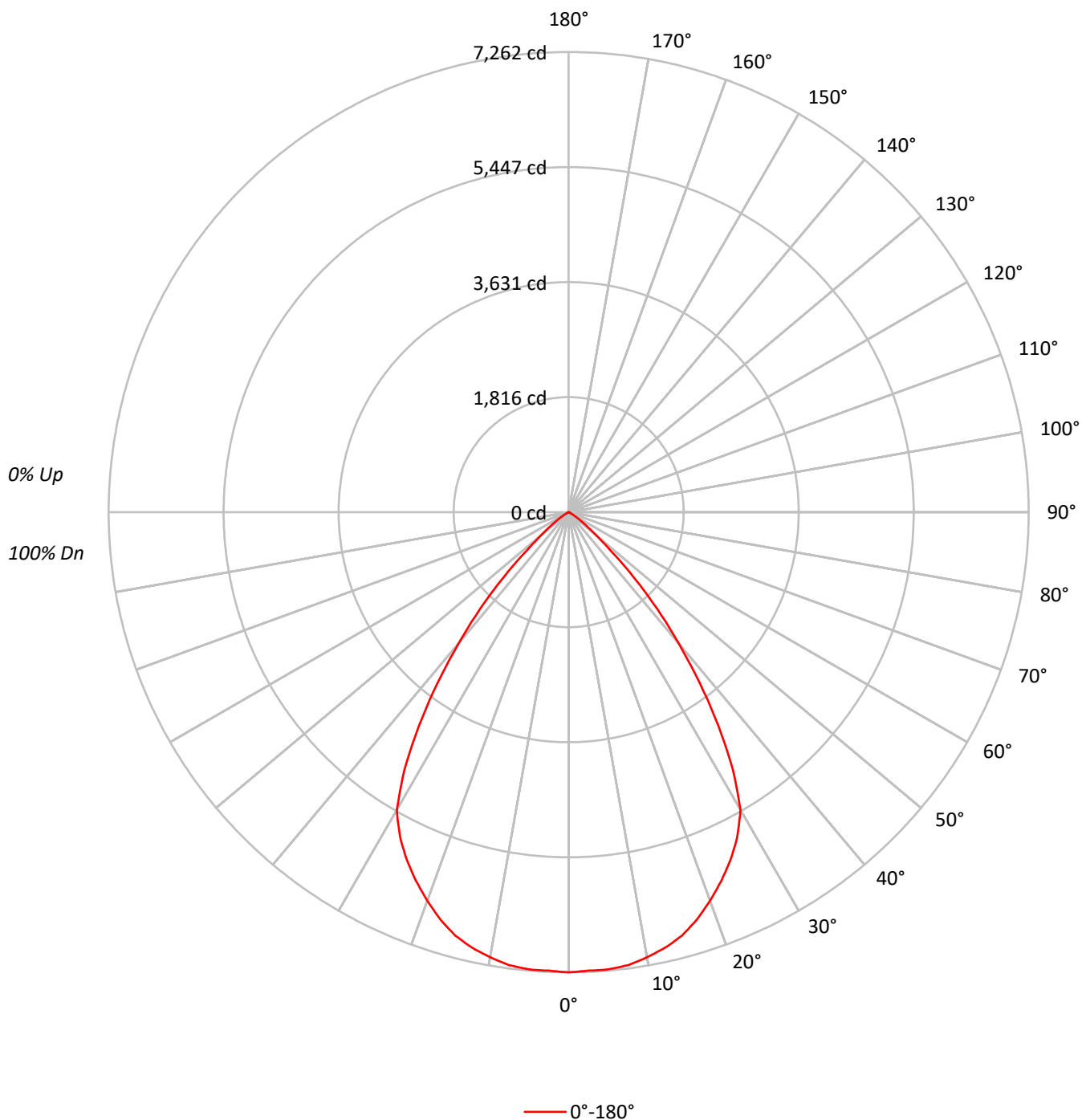
Lumens per Lamp: N/A  
Luminaire Lumens: 9361.6 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06  
Luminous Opening: Circular (Dia: 1.3' x H: 0')  
CIE Type: Direct

Input Watts (W): 81.7  
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

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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98  | 97  | 97  | 95  | 94  | 92  |  |  |
| 2   | 107 | 101 | 97  | 93  | 104 | 100 | 96  | 92  | 96  | 93  | 90  | 93  | 91  | 88  | 91  | 88  | 86  | 85  |  |  |
| 3   | 101 | 94  | 88  | 84  | 99  | 92  | 87  | 83  | 89  | 85  | 82  | 87  | 83  | 80  | 85  | 82  | 79  | 78  |  |  |
| 4   | 95  | 86  | 80  | 76  | 93  | 85  | 80  | 75  | 83  | 78  | 74  | 81  | 77  | 73  | 79  | 76  | 73  | 71  |  |  |
| 5   | 89  | 80  | 74  | 69  | 88  | 79  | 73  | 69  | 77  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 65  |  |  |
| 6   | 84  | 74  | 68  | 63  | 83  | 73  | 67  | 63  | 72  | 66  | 62  | 70  | 66  | 62  | 69  | 65  | 61  | 60  |  |  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 55  |  |  |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  | 62  | 56  | 53  | 61  | 56  | 52  | 51  |  |  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 47  |  |  |
| 10  | 67  | 56  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  | 54  | 49  | 45  | 44  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 58887 |
| 5°  | 58956 |
| 10° | 58732 |
| 15° | 58067 |
| 20° | 56299 |
| 25° | 54128 |
| 30° | 50791 |
| 35° | 40822 |
| 40° | 28533 |
| 45° | 16675 |
| 50° | 7016  |
| 55° | 3265  |
| 60° | 879   |
| 65° | 416   |
| 70° | 434   |
| 75° | 445   |
| 80° | 430   |
| 85° | 465   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 16675 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 687.9  | 7.3       |
| 10°-20°   | 1941.7 | 20.7      |
| 20°-30°   | 2772.6 | 29.6      |
| 30°-40°   | 2542.4 | 27.2      |
| 40°-50°   | 1147.1 | 12.3      |
| 50°-60°   | 223.0  | 2.4       |
| 60°-70°   | 27.0   | 0.3       |
| 70°-80°   | 14.6   | 0.2       |
| 80°-90°   | 5.3    | 0.1       |
| 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°    | 5402.2 | 57.7      |
| 0°-40°    | 7944.6 | 84.9      |
| 0°-60°    | 9314.6 | 99.5      |
| 0°-90°    | 9361.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9361.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7262 |      |
| 5°  | 7242 | 688  |
| 15° | 6916 | 1942 |
| 25° | 6049 | 2773 |
| 35° | 4124 | 2542 |
| 45° | 1454 | 1147 |
| 55° | 231  | 223  |
| 65° | 22   | 27   |
| 75° | 14   | 15   |
| 85° | 5    | 5    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 7261.5 |
| 2.5°  | 7241.5 |
| 5°    | 7242.3 |
| 7.5°  | 7209.0 |
| 10°   | 7132.3 |
| 12.5° | 7040.6 |
| 15°   | 6916.4 |
| 17.5° | 6737.9 |
| 20°   | 6523.7 |
| 22.5° | 6296.1 |
| 25°   | 6049.3 |
| 27.5° | 5767.5 |
| 30°   | 5424.0 |
| 32.5° | 4822.9 |
| 35°   | 4123.5 |
| 37.5° | 3399.0 |
| 40°   | 2695.3 |
| 42.5° | 2059.2 |
| 45°   | 1454.0 |
| 47.5° | 906.2  |
| 50°   | 556.1  |
| 52.5° | 356.0  |
| 55°   | 230.9  |
| 57.5° | 120.9  |
| 60°   | 54.2   |
| 62.5° | 31.7   |
| 65°   | 21.7   |
| 67.5° | 20.0   |
| 70°   | 18.3   |
| 72.5° | 15.8   |
| 75°   | 14.2   |
| 77.5° | 11.7   |
| 80°   | 9.2    |
| 82.5° | 7.5    |
| 85°   | 5.0    |
| 87.5° | 2.5    |
| 90°   | 0.0    |

(END OF REPORT)