

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: P1504425

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K\_L16\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504425  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)  
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-06-BLAK-PS (5000K\_L16\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

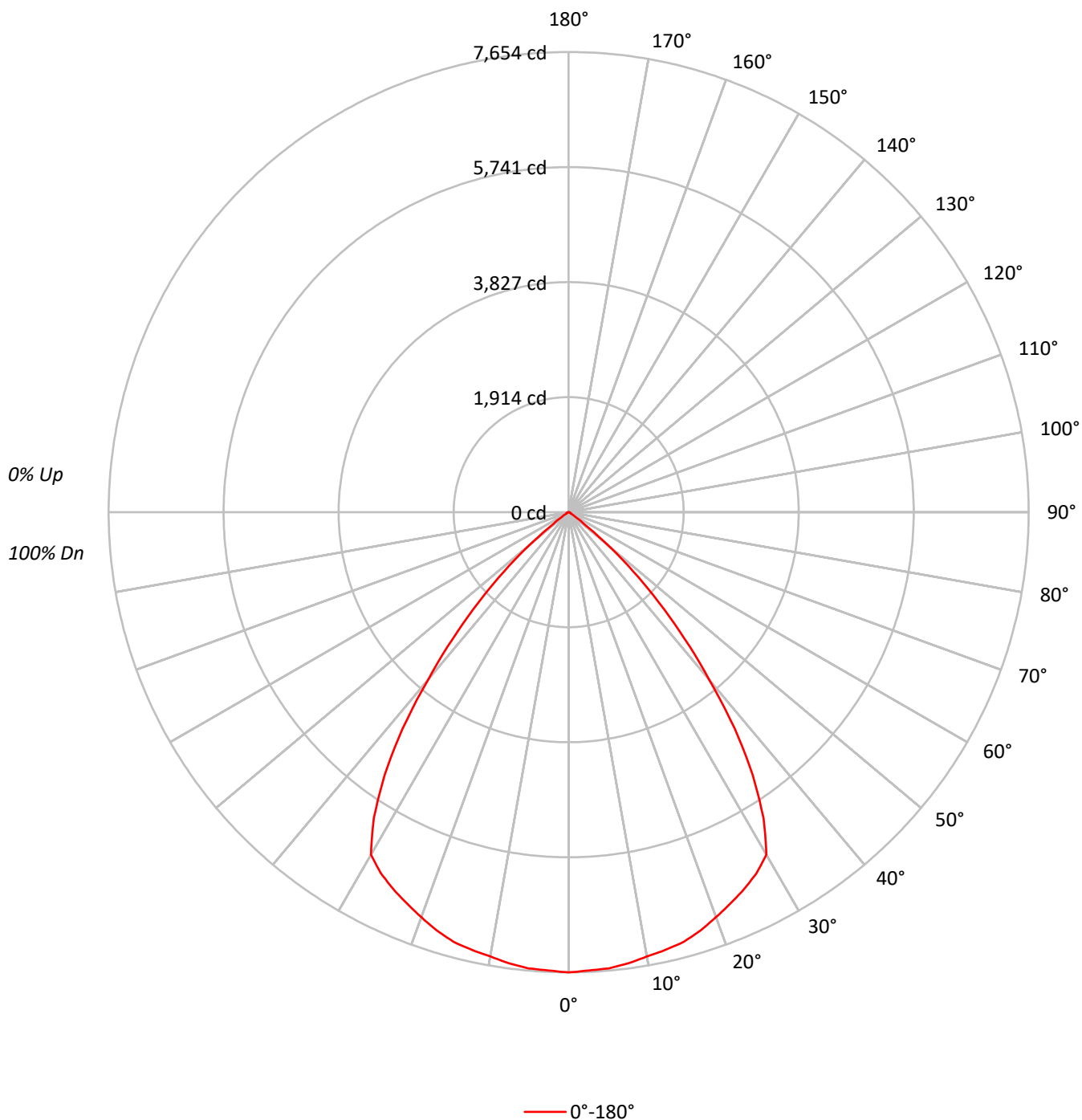
Lumens per Lamp: N/A  
Luminaire Lumens: 11196.1 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14  
Luminous Opening: Circular (Dia: 1.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 100.1  
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  | 50  | 30 | 10 | 50 | 30 | 10 |  |  |
| 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  | 96  | 95  | 94  | 92  |    |    |    |    |    |  |  |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 92  | 90  | 93  | 90  | 88  | 90  | 88  | 86  | 84  |    |    |    |    |    |  |  |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  | 86  | 83  | 80  | 84  | 81  | 78  | 77  |    |    |    |    |    |  |  |
| 4   | 94  | 86  | 79  | 75  | 92  | 84  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 70  |    |    |    |    |    |  |  |
| 5   | 88  | 79  | 72  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  | 74  | 70  | 66  | 73  | 69  | 65  | 64  |    |    |    |    |    |  |  |
| 6   | 83  | 73  | 66  | 61  | 82  | 72  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |    |    |    |  |  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 59  | 55  | 53  |    |    |    |    |    |  |  |
| 8   | 74  | 63  | 56  | 52  | 72  | 62  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |    |    |    |  |  |
| 9   | 69  | 59  | 52  | 47  | 68  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 45  |    |    |    |    |    |  |  |
| 10  | 66  | 55  | 48  | 44  | 65  | 54  | 48  | 44  | 53  | 48  | 44  | 53  | 47  | 44  | 52  | 47  | 43  | 42  |    |    |    |    |    |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 62873 |
| 5°  | 62809 |
| 10° | 62595 |
| 15° | 62913 |
| 20° | 62671 |
| 25° | 62667 |
| 30° | 62393 |
| 35° | 53519 |
| 40° | 39043 |
| 45° | 24691 |
| 50° | 10791 |
| 55° | 2201  |
| 60° | 774   |
| 65° | 558   |
| 70° | 639   |
| 75° | 682   |
| 80° | 676   |
| 85° | 679   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 24691 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 723.3   | 6.5       |
| 10°-20°   | 2084.8  | 18.6      |
| 20°-30°   | 3185.7  | 28.5      |
| 30°-40°   | 3264.2  | 29.2      |
| 40°-50°   | 1650.9  | 14.7      |
| 50°-60°   | 225.1   | 2.0       |
| 60°-70°   | 31.9    | 0.3       |
| 70°-80°   | 22.4    | 0.2       |
| 80°-90°   | 7.8     | 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°    | 5993.7  | 53.5      |
| 0°-40°    | 9257.9  | 82.7      |
| 0°-60°    | 11133.9 | 99.4      |
| 0°-90°    | 11196.1 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 11196.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7654 |      |
| 5°  | 7617 | 723  |
| 15° | 7398 | 2085 |
| 25° | 6914 | 3186 |
| 35° | 5337 | 3264 |
| 45° | 2125 | 1651 |
| 55° | 154  | 225  |
| 65° | 29   | 32   |
| 75° | 22   | 22   |
| 85° | 7    | 8    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 7653.9 |
| 2.5°  | 7630.4 |
| 5°    | 7617.0 |
| 7.5°  | 7567.9 |
| 10°   | 7504.3 |
| 12.5° | 7455.1 |
| 15°   | 7397.8 |
| 17.5° | 7295.3 |
| 20°   | 7169.2 |
| 22.5° | 7042.2 |
| 25°   | 6914.1 |
| 27.5° | 6767.5 |
| 30°   | 6577.9 |
| 32.5° | 6030.7 |
| 35°   | 5337.0 |
| 37.5° | 4537.6 |
| 40°   | 3641.0 |
| 42.5° | 2851.9 |
| 45°   | 2125.4 |
| 47.5° | 1459.3 |
| 50°   | 844.4  |
| 52.5° | 341.2  |
| 55°   | 153.7  |
| 57.5° | 89.2   |
| 60°   | 47.1   |
| 62.5° | 35.9   |
| 65°   | 28.7   |
| 67.5° | 27.7   |
| 70°   | 26.6   |
| 72.5° | 24.6   |
| 75°   | 21.5   |
| 77.5° | 18.4   |
| 80°   | 14.3   |
| 82.5° | 11.3   |
| 85°   | 7.2    |
| 87.5° | 3.1    |
| 90°   | 0.0    |

(END OF REPORT)