

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: P1504747

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (6500K\_L16\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504747  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-35)  
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-WHGL-PS (6500K\_L16\_Medium\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source: 6500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

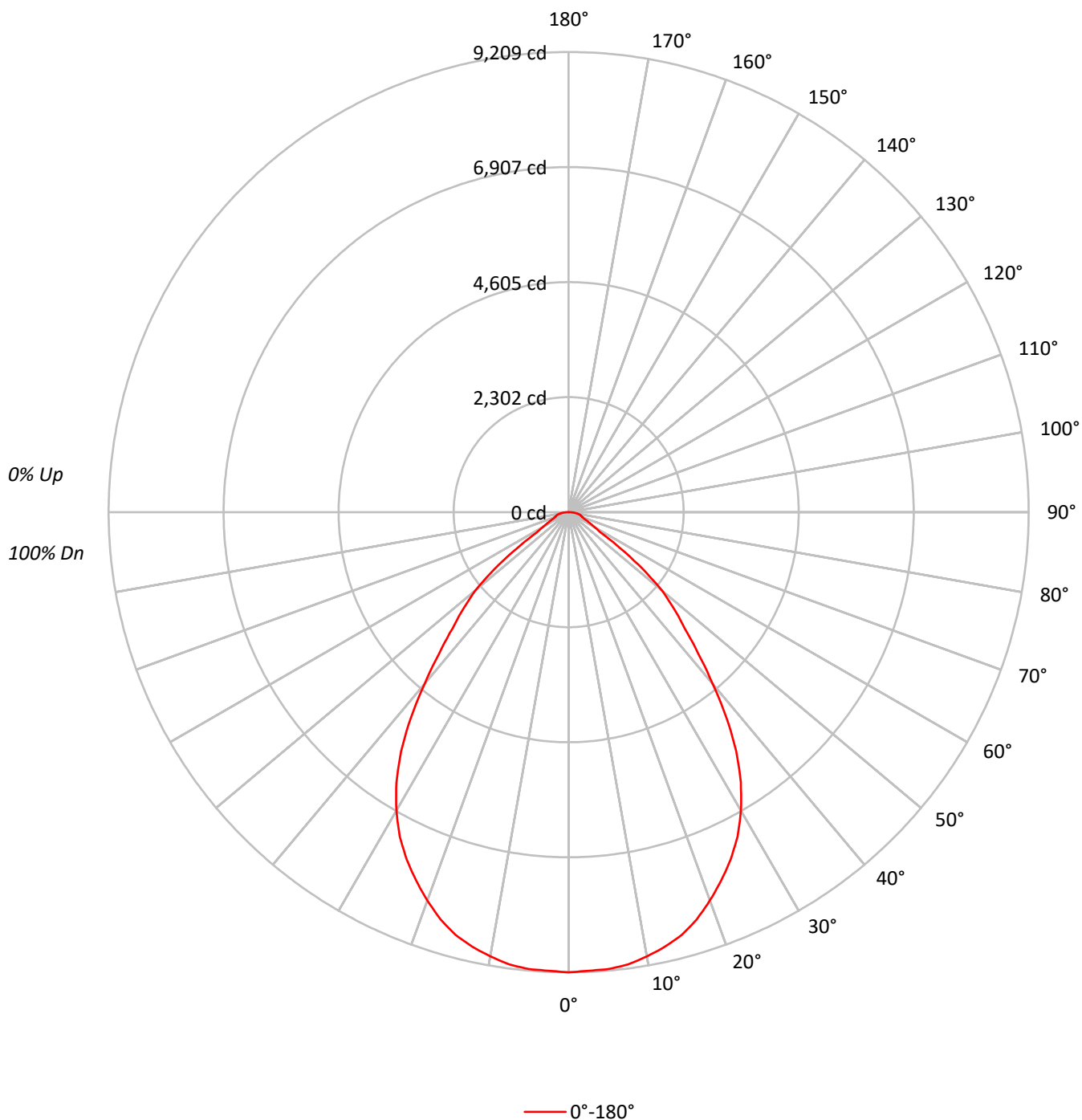
Lumens per Lamp: N/A  
Luminaire Lumens: 15008.2 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13  
Luminous Opening: Circular (Dia: 1.26' x H: 0')  
CIE Type: Direct

Input Watts (W): 102.5  
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   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 92  | 90  |  |  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 84  | 87  | 84  | 82  | 80  |  |  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 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  | 74  | 67  | 62  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 59  | 58  |  |  |
| 6   | 79  | 68  | 61  | 55  | 78  | 67  | 60  | 55  | 66  | 59  | 55  | 64  | 59  | 54  | 63  | 58  | 54  | 52  |  |  |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 47  |  |  |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 51  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |  |  |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  | 40  |  |  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 79705 |
| 5°  | 79754 |
| 10° | 79325 |
| 15° | 78471 |
| 20° | 76158 |
| 25° | 73249 |
| 30° | 68956 |
| 35° | 61776 |
| 40° | 50652 |
| 45° | 40213 |
| 50° | 32868 |
| 55° | 19050 |
| 60° | 10322 |
| 65° | 8045  |
| 70° | 7405  |
| 75° | 8364  |
| 80° | 9485  |
| 85° | 10259 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 40213 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 871.3   | 5.8       |
| 10°-20°   | 2459.0  | 16.4      |
| 20°-30°   | 3517.1  | 23.4      |
| 30°-40°   | 3605.2  | 24.0      |
| 40°-50°   | 2581.8  | 17.2      |
| 50°-60°   | 1198.1  | 8.0       |
| 60°-70°   | 406.6   | 2.7       |
| 70°-80°   | 260.0   | 1.7       |
| 80°-90°   | 109.1   | 0.7       |
| 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°    | 6847.4  | 45.6      |
| 0°-40°    | 10452.6 | 69.6      |
| 0°-60°    | 14232.5 | 94.8      |
| 0°-90°    | 15008.2 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 15008.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 9209 |      |
| 5°  | 9179 | 871  |
| 15° | 8757 | 2459 |
| 25° | 7670 | 3517 |
| 35° | 5846 | 3605 |
| 45° | 3285 | 2582 |
| 55° | 1262 | 1198 |
| 65° | 393  | 407  |
| 75° | 250  | 260  |
| 85° | 103  | 109  |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 9208.7 |
| 2.5°  | 9184.4 |
| 5°    | 9179.3 |
| 7.5°  | 9127.7 |
| 10°   | 9025.5 |
| 12.5° | 8908.0 |
| 15°   | 8757.2 |
| 17.5° | 8539.5 |
| 20°   | 8268.2 |
| 22.5° | 7979.7 |
| 25°   | 7669.9 |
| 27.5° | 7318.6 |
| 30°   | 6899.4 |
| 32.5° | 6413.5 |
| 35°   | 5846.5 |
| 37.5° | 5193.6 |
| 40°   | 4482.9 |
| 42.5° | 3841.0 |
| 45°   | 3285.2 |
| 47.5° | 2857.0 |
| 50°   | 2440.9 |
| 52.5° | 1877.0 |
| 55°   | 1262.4 |
| 57.5° | 760.3  |
| 60°   | 596.3  |
| 62.5° | 481.9  |
| 65°   | 392.8  |
| 67.5° | 327.0  |
| 70°   | 292.6  |
| 72.5° | 268.3  |
| 75°   | 250.1  |
| 77.5° | 224.8  |
| 80°   | 190.3  |
| 82.5° | 148.8  |
| 85°   | 103.3  |
| 87.5° | 53.7   |
| 90°   | 0.0    |

(END OF REPORT)