

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: P1504598

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (4000K\_L18\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504598  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)  
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-BLAK-PS (4000K\_L18\_Narrow\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

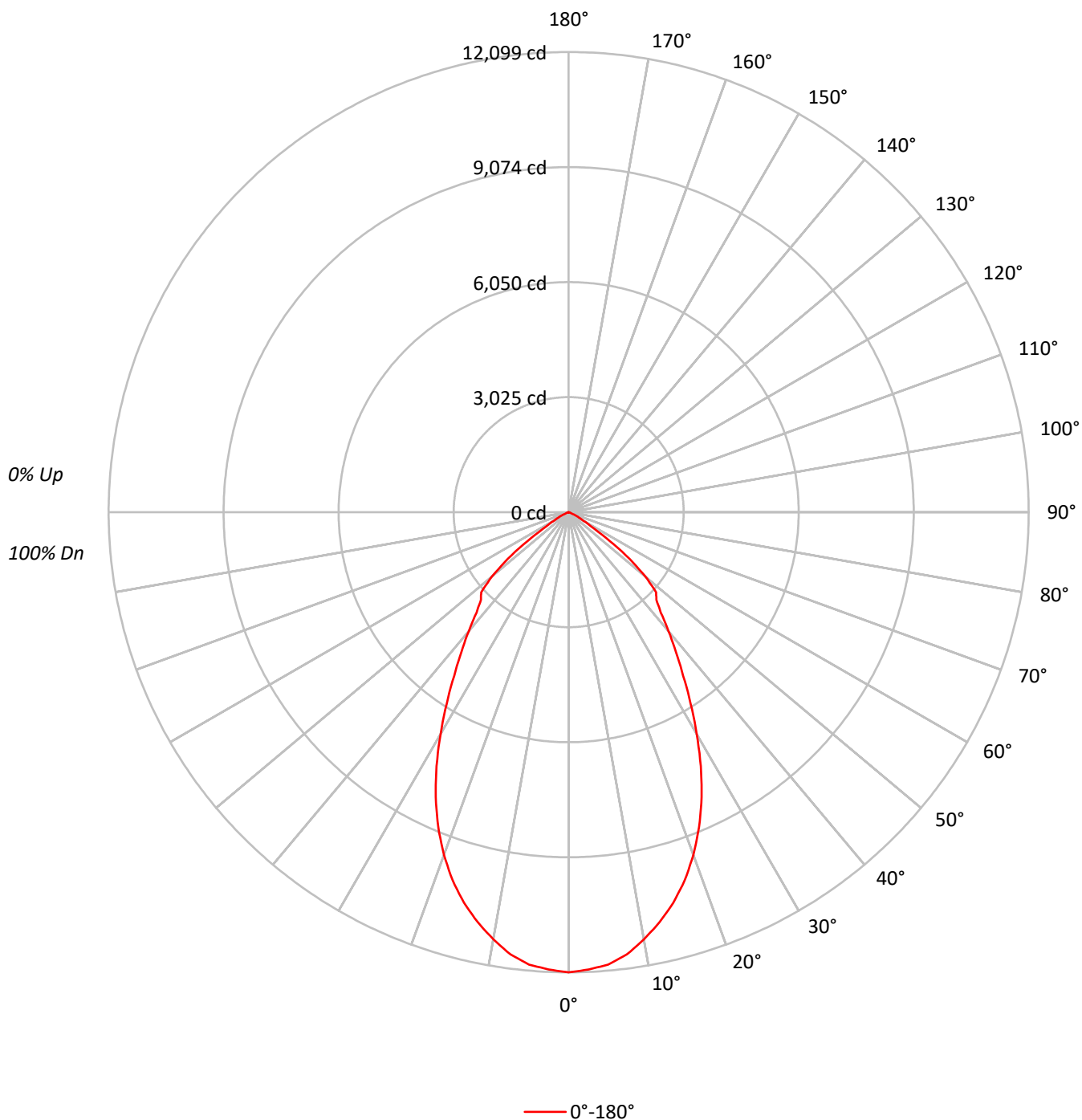
Lumens per Lamp: N/A  
Luminaire Lumens: 15183.9 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97  
Luminous Opening: Circular (Dia: 1.26' x H: 0')  
CIE Type: Direct

Input Watts (W): 119.3  
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  |     |  |  | 0 |
| 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 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |  |  |   |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 84  | 83  |  |  |   |
| 3   | 99  | 91  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 75  |  |  |   |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |  |  |   |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 68  | 64  | 71  | 67  | 63  | 61  |  |  |   |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 59  | 67  | 62  | 58  | 66  | 61  | 58  | 56  |  |  |   |
| 7   | 77  | 66  | 59  | 54  | 75  | 65  | 59  | 54  | 64  | 58  | 54  | 63  | 57  | 53  | 61  | 57  | 53  | 51  |  |  |   |
| 8   | 72  | 61  | 54  | 50  | 71  | 61  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 47  |  |  |   |
| 9   | 68  | 57  | 50  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 44  |  |  |   |
| 10  | 65  | 53  | 47  | 42  | 63  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 42  | 40  |  |  |   |

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

|     | 0°     |
|-----|--------|
| 0°  | 104720 |
| 5°  | 103728 |
| 10° | 100208 |
| 15° | 95271  |
| 20° | 88304  |
| 25° | 78978  |
| 30° | 67328  |
| 35° | 55481  |
| 40° | 46176  |
| 45° | 39892  |
| 50° | 35440  |
| 55° | 19894  |
| 60° | 8081   |
| 65° | 3406   |
| 70° | 901    |
| 75° | 358    |
| 80° | 414    |
| 85° | 358    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $47.5^\circ$

Luminance: 39972 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1122.5  | 7.4       |
| 10°-20°   | 2973.0  | 19.6      |
| 20°-30°   | 3770.5  | 24.8      |
| 30°-40°   | 3306.3  | 21.8      |
| 40°-50°   | 2566.5  | 16.9      |
| 50°-60°   | 1230.2  | 8.1       |
| 60°-70°   | 195.7   | 1.3       |
| 70°-80°   | 14.8    | 0.1       |
| 80°-90°   | 4.4     | 0.0       |
| 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°    | 7866.0  | 51.8      |
| 0°-40°    | 11172.3 | 73.6      |
| 0°-60°    | 14969.0 | 98.6      |
| 0°-90°    | 15183.9 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 15183.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 12099 |      |
| 5°  | 11938 | ###  |
| 15° | 10632 | 2973 |
| 25° | 8270  | 3770 |
| 35° | 5251  | 3306 |
| 45° | 3259  | 2566 |
| 55° | 1318  | 1230 |
| 65° | 166   | 196  |
| 75° | 11    | 15   |
| 85° | 4     | 4    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 12098.8 |
| 2.5°  | 12033.5 |
| 5°    | 11938.5 |
| 7.5°  | 11729.4 |
| 10°   | 11401.6 |
| 12.5° | 11041.8 |
| 15°   | 10632.0 |
| 17.5° | 10151.0 |
| 20°   | 9586.9  |
| 22.5° | 8964.5  |
| 25°   | 8269.8  |
| 27.5° | 7522.7  |
| 30°   | 6736.5  |
| 32.5° | 5965.7  |
| 35°   | 5250.7  |
| 37.5° | 4631.9  |
| 40°   | 4086.8  |
| 42.5° | 3585.6  |
| 45°   | 3259.0  |
| 47.5° | 3120.0  |
| 50°   | 2631.9  |
| 52.5° | 2025.0  |
| 55°   | 1318.3  |
| 57.5° | 682.9   |
| 60°   | 466.8   |
| 62.5° | 300.5   |
| 65°   | 166.3   |
| 67.5° | 81.9    |
| 70°   | 35.6    |
| 72.5° | 14.3    |
| 75°   | 10.7    |
| 77.5° | 9.5     |
| 80°   | 8.3     |
| 82.5° | 5.9     |
| 85°   | 3.6     |
| 87.5° | 2.4     |
| 90°   | 0.0     |

(END OF REPORT)