

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: P1504752

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (6500K\_L18\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504752  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)  
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\_L18\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source: 6500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

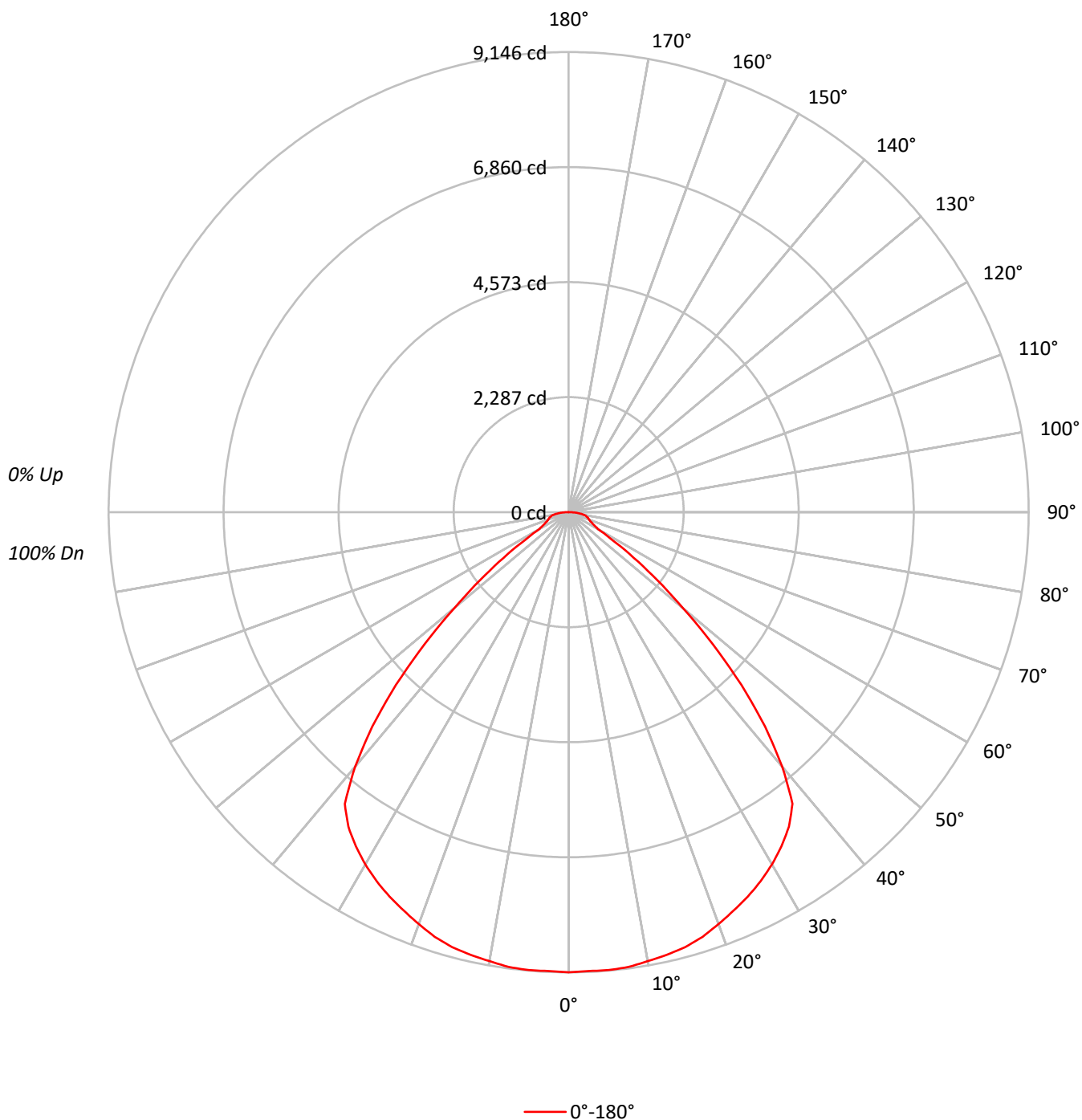
Lumens per Lamp: N/A  
Luminaire Lumens: 18277.2 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3  
Luminous Opening: Circular (Dia: 1.26' x H: 0')  
CIE Type: Direct

Input Watts (W): 123.3  
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  |     |  |  |
| 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 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |  |  |
| 2   | 104 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 80  | 79  |  |  |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  | 81  | 76  | 73  | 78  | 75  | 72  | 70  |  |  |
| 4   | 89  | 80  | 72  | 67  | 87  | 78  | 72  | 66  | 76  | 70  | 65  | 74  | 69  | 65  | 72  | 67  | 64  | 62  |  |  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 55  |  |  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  |  |  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |  |  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |  |  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |  |  |
| 10  | 60  | 48  | 41  | 36  | 59  | 47  | 40  | 36  | 46  | 40  | 36  | 46  | 40  | 36  | 45  | 39  | 35  | 34  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 79158 |
| 5°  | 79389 |
| 10° | 79627 |
| 15° | 80185 |
| 20° | 80262 |
| 25° | 80497 |
| 30° | 80782 |
| 35° | 80657 |
| 40° | 74625 |
| 45° | 59420 |
| 50° | 39966 |
| 55° | 23862 |
| 60° | 11657 |
| 65° | 10572 |
| 70° | 10983 |
| 75° | 12909 |
| 80° | 15377 |
| 85° | 17359 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 59420 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 869.8   | 4.8       |
| 10°-20°   | 2524.7  | 13.8      |
| 20°-30°   | 3887.3  | 21.3      |
| 30°-40°   | 4720.0  | 25.8      |
| 40°-50°   | 3696.9  | 20.2      |
| 50°-60°   | 1471.9  | 8.1       |
| 60°-70°   | 523.3   | 2.9       |
| 70°-80°   | 401.8   | 2.2       |
| 80°-90°   | 181.5   | 1.0       |
| 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°    | 7281.7  | 39.8      |
| 0°-40°    | 12001.8 | 65.7      |
| 0°-60°    | 17170.6 | 93.9      |
| 0°-90°    | 18277.2 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 18277.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 9146 |      |
| 5°  | 9137 | 870  |
| 15° | 8948 | 2525 |
| 25° | 8429 | 3887 |
| 35° | 7633 | 4720 |
| 45° | 4854 | 3697 |
| 55° | 1581 | 1472 |
| 65° | 516  | 523  |
| 75° | 386  | 402  |
| 85° | 175  | 181  |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 9145.5 |
| 2.5°  | 9127.9 |
| 5°    | 9137.3 |
| 7.5°  | 9116.2 |
| 10°   | 9059.9 |
| 12.5° | 9010.6 |
| 15°   | 8948.5 |
| 17.5° | 8848.7 |
| 20°   | 8713.8 |
| 22.5° | 8569.5 |
| 25°   | 8428.8 |
| 27.5° | 8269.2 |
| 30°   | 8082.7 |
| 32.5° | 7872.7 |
| 35°   | 7633.4 |
| 37.5° | 7308.5 |
| 40°   | 6604.6 |
| 42.5° | 5775.2 |
| 45°   | 4854.3 |
| 47.5° | 3880.6 |
| 50°   | 2968.0 |
| 52.5° | 2216.0 |
| 55°   | 1581.3 |
| 57.5° | 1033.5 |
| 60°   | 673.4  |
| 62.5° | 583.0  |
| 65°   | 516.2  |
| 67.5° | 462.2  |
| 70°   | 434.0  |
| 72.5° | 409.4  |
| 75°   | 386.0  |
| 77.5° | 354.3  |
| 80°   | 308.5  |
| 82.5° | 251.0  |
| 85°   | 174.8  |
| 87.5° | 86.8   |
| 90°   | 0.0    |

(END OF REPORT)