

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: P1504559

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

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504559  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)  
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-WHGL-PS (5000K\_L16\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE  
SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

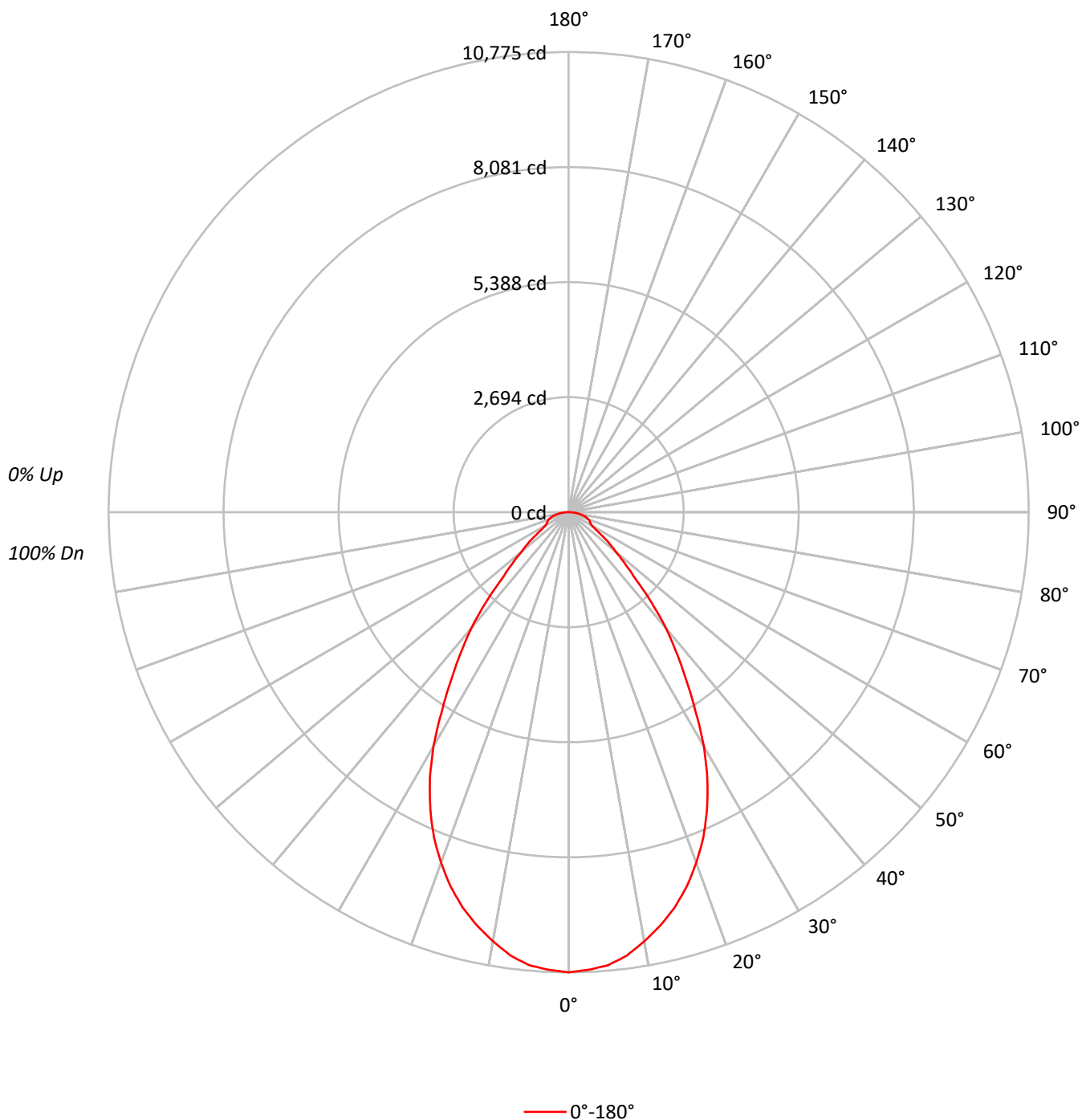
Lumens per Lamp: N/A  
Luminaire Lumens: 13982.5 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98  
Luminous Opening: Circular (Dia: 1.29' x H: 0')  
CIE Type: Direct

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  | 0   |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |  |  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 80  |  |  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |  |  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 65  |  |  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 66  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 59  |  |  |
| 6   | 80  | 70  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 56  | 54  |  |  |
| 7   | 76  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 51  | 60  | 55  | 51  | 50  |  |  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 47  | 46  |  |  |
| 9   | 67  | 56  | 49  | 44  | 66  | 56  | 49  | 44  | 54  | 48  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 42  |  |  |
| 10  | 64  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 49  | 44  | 41  | 39  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 88514 |
| 5°  | 87779 |
| 10° | 85084 |
| 15° | 81501 |
| 20° | 76395 |
| 25° | 69531 |
| 30° | 60042 |
| 35° | 48113 |
| 40° | 38021 |
| 45° | 25750 |
| 50° | 18347 |
| 55° | 13634 |
| 60° | 10337 |
| 65° | 10756 |
| 70° | 11862 |
| 75° | 12587 |
| 80° | 12943 |
| 85° | 13327 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 25750 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1002.0  | 7.2       |
| 10°-20°   | 2683.1  | 19.2      |
| 20°-30°   | 3494.7  | 25.0      |
| 30°-40°   | 3016.4  | 21.6      |
| 40°-50°   | 1794.8  | 12.8      |
| 50°-60°   | 874.2   | 6.3       |
| 60°-70°   | 551.8   | 3.9       |
| 70°-80°   | 413.7   | 3.0       |
| 80°-90°   | 151.8   | 1.1       |
| 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°    | 7179.8  | 51.3      |
| 0°-40°    | 10196.2 | 72.9      |
| 0°-60°    | 12865.2 | 92.0      |
| 0°-90°    | 13982.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 13982.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10775 |      |
| 5°  | 10645 | ###  |
| 15° | 9584  | 2683 |
| 25° | 7671  | 3495 |
| 35° | 4798  | 3016 |
| 45° | 2217  | 1795 |
| 55° | 952   | 874  |
| 65° | 553   | 552  |
| 75° | 397   | 414  |
| 85° | 141   | 152  |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 10775.4 |
| 2.5°  | 10725.2 |
| 5°    | 10645.2 |
| 7.5°  | 10470.0 |
| 10°   | 10200.5 |
| 12.5° | 9913.5  |
| 15°   | 9583.6  |
| 17.5° | 9191.1  |
| 20°   | 8739.2  |
| 22.5° | 8240.1  |
| 25°   | 7671.4  |
| 27.5° | 7036.0  |
| 30°   | 6330.0  |
| 32.5° | 5529.6  |
| 35°   | 4797.9  |
| 37.5° | 4157.5  |
| 40°   | 3545.7  |
| 42.5° | 2878.6  |
| 45°   | 2216.6  |
| 47.5° | 1800.5  |
| 50°   | 1435.7  |
| 52.5° | 1205.1  |
| 55°   | 952.0   |
| 57.5° | 740.9   |
| 60°   | 629.2   |
| 62.5° | 583.1   |
| 65°   | 553.4   |
| 67.5° | 528.8   |
| 70°   | 493.9   |
| 72.5° | 449.9   |
| 75°   | 396.6   |
| 77.5° | 337.1   |
| 80°   | 273.6   |
| 82.5° | 209.1   |
| 85°   | 141.4   |
| 87.5° | 70.7    |
| 90°   | 0.0     |

(END OF REPORT)