

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: P1504758

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K\_L16\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504758  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)  
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-06-BLAK-PS (3000K\_L16\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

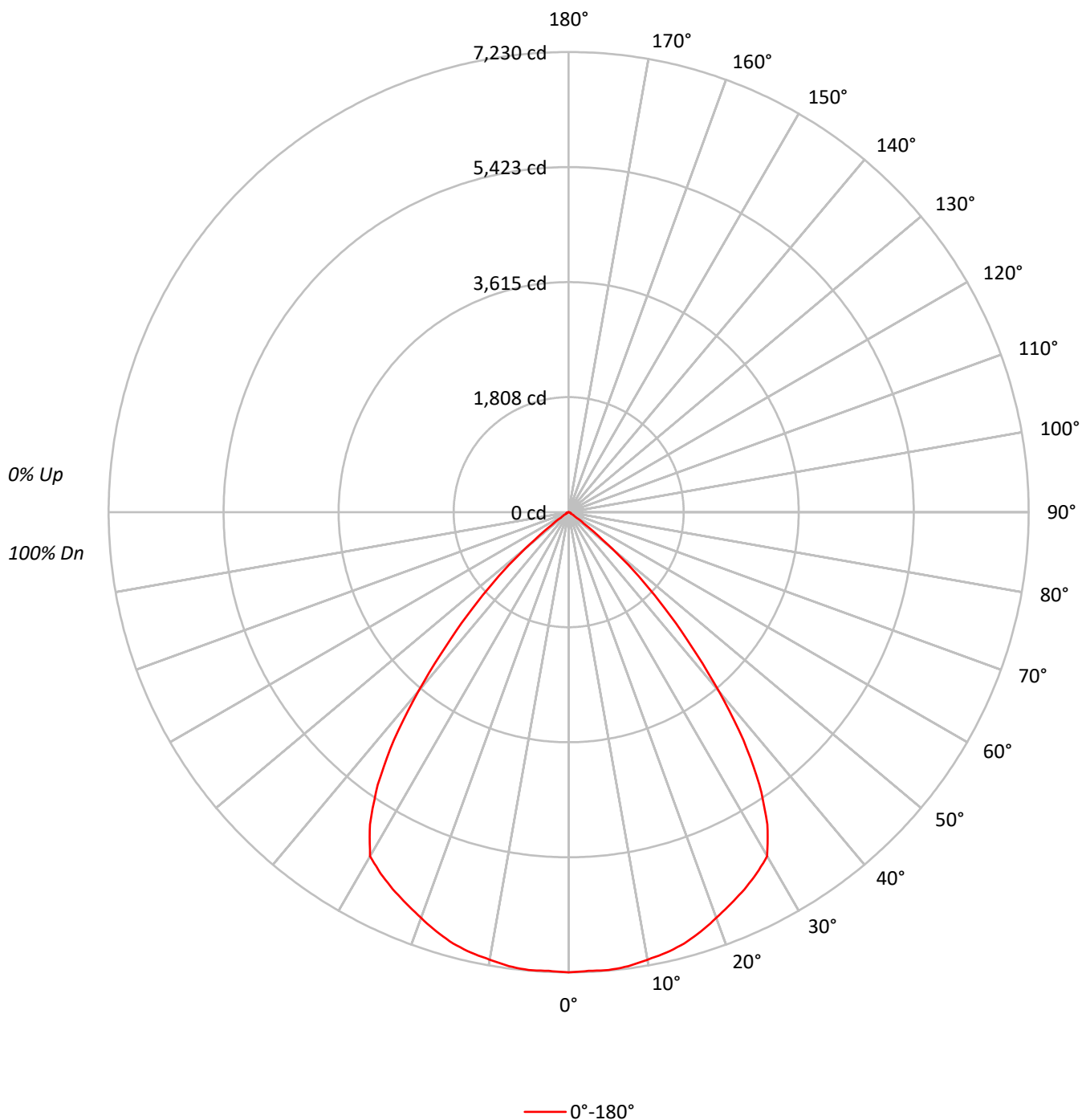
Lumens per Lamp: N/A  
Luminaire Lumens: 10837.8 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16  
Luminous Opening: Circular (Dia: 1.3' x H: 0')  
CIE Type: Direct

Input Watts (W): 102.3  
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  | 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 | 104 | 110 | 108 | 105 | 103 | 103 | 101 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |    |    |    |    |    |  |  |
| 2   | 106 | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 96  | 92  | 89  | 93  | 90  | 87  | 90  | 88  | 86  | 84  |    |    |    |    |    |  |  |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  | 86  | 82  | 79  | 84  | 81  | 78  | 76  |    |    |    |    |    |  |  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  | 80  | 75  | 72  | 78  | 74  | 71  | 69  |    |    |    |    |    |  |  |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 66  | 72  | 68  | 65  | 63  |    |    |    |    |    |  |  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 58  |    |    |    |    |    |  |  |
| 7   | 78  | 67  | 60  | 56  | 76  | 67  | 60  | 56  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 53  |    |    |    |    |    |  |  |
| 8   | 73  | 63  | 56  | 51  | 72  | 62  | 55  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 49  |    |    |    |    |    |  |  |
| 9   | 69  | 58  | 52  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  | 56  | 50  | 47  | 55  | 50  | 46  | 45  |    |    |    |    |    |  |  |
| 10  | 65  | 54  | 48  | 43  | 64  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 41  |    |    |    |    |    |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 58634 |
| 5°  | 58787 |
| 10° | 58790 |
| 15° | 58902 |
| 20° | 58544 |
| 25° | 58496 |
| 30° | 58438 |
| 35° | 51766 |
| 40° | 38833 |
| 45° | 24592 |
| 50° | 11252 |
| 55° | 2254  |
| 60° | 830   |
| 65° | 576   |
| 70° | 595   |
| 75° | 605   |
| 80° | 588   |
| 85° | 540   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 24592 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 686.6   | 6.3       |
| 10°-20°   | 1977.3  | 18.2      |
| 20°-30°   | 3013.8  | 27.8      |
| 30°-40°   | 3189.5  | 29.4      |
| 40°-50°   | 1667.7  | 15.4      |
| 50°-60°   | 243.5   | 2.2       |
| 60°-70°   | 32.8    | 0.3       |
| 70°-80°   | 20.0    | 0.2       |
| 80°-90°   | 6.4     | 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°    | 5677.8  | 52.4      |
| 0°-40°    | 8867.2  | 81.8      |
| 0°-60°    | 10778.5 | 99.5      |
| 0°-90°    | 10837.8 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10837.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7230 |      |
| 5°  | 7222 | 687  |
| 15° | 7016 | 1977 |
| 25° | 6537 | 3014 |
| 35° | 5229 | 3189 |
| 45° | 2144 | 1668 |
| 55° | 159  | 244  |
| 65° | 30   | 33   |
| 75° | 19   | 20   |
| 85° | 6    | 6    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 7230.3 |
| 2.5°  | 7212.9 |
| 5°    | 7221.6 |
| 7.5°  | 7195.5 |
| 10°   | 7139.4 |
| 12.5° | 7089.2 |
| 15°   | 7015.8 |
| 17.5° | 6908.5 |
| 20°   | 6783.8 |
| 22.5° | 6658.2 |
| 25°   | 6537.4 |
| 27.5° | 6399.2 |
| 30°   | 6240.7 |
| 32.5° | 5814.6 |
| 35°   | 5229.0 |
| 37.5° | 4511.9 |
| 40°   | 3668.3 |
| 42.5° | 2849.8 |
| 45°   | 2144.3 |
| 47.5° | 1490.1 |
| 50°   | 891.9  |
| 52.5° | 387.5  |
| 55°   | 159.4  |
| 57.5° | 95.7   |
| 60°   | 51.2   |
| 62.5° | 37.7   |
| 65°   | 30.0   |
| 67.5° | 27.1   |
| 70°   | 25.1   |
| 72.5° | 22.2   |
| 75°   | 19.3   |
| 77.5° | 15.5   |
| 80°   | 12.6   |
| 82.5° | 8.7    |
| 85°   | 5.8    |
| 87.5° | 2.9    |
| 90°   | 0.0    |

(END OF REPORT)