

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: P1504431

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K\_L12\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504431  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)  
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-BLAK-PS (6500K\_L12\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

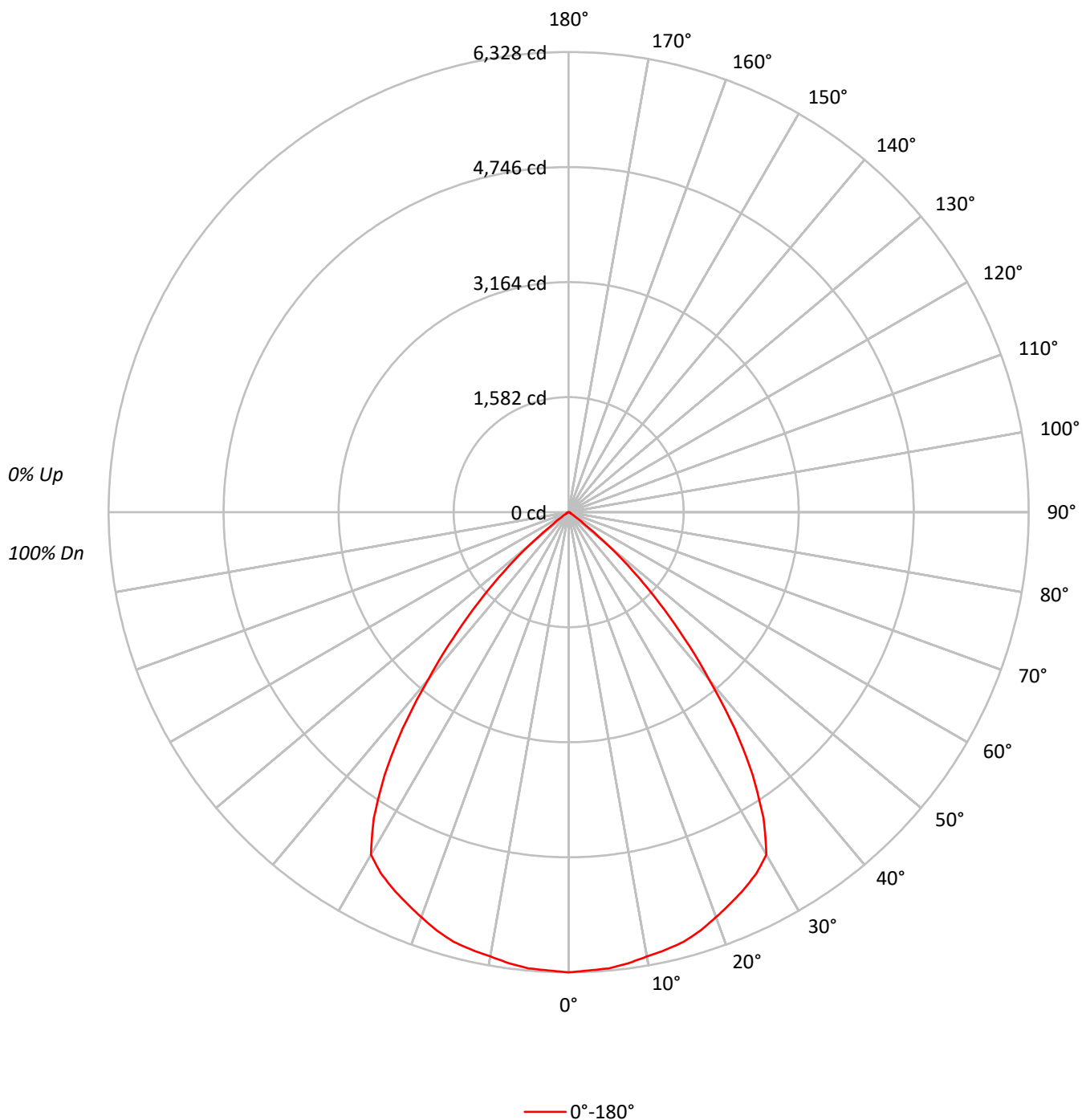
Lumens per Lamp: N/A  
Luminaire Lumens: 9256.2 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14  
Luminous Opening: Circular (Dia: 1.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 83  
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 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |    |    |    |    |    |  |  |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 92  | 90  | 93  | 90  | 88  | 90  | 88  | 86  | 84  |    |    |    |    |    |  |  |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  | 86  | 83  | 80  | 84  | 81  | 78  | 77  |    |    |    |    |    |  |  |
| 4   | 94  | 86  | 79  | 75  | 92  | 84  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 70  |    |    |    |    |    |  |  |
| 5   | 88  | 79  | 72  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  | 74  | 70  | 66  | 73  | 69  | 65  | 64  |    |    |    |    |    |  |  |
| 6   | 83  | 73  | 66  | 61  | 82  | 72  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |    |    |    |  |  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 59  | 55  | 53  |    |    |    |    |    |  |  |
| 8   | 74  | 63  | 56  | 52  | 72  | 62  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |    |    |    |  |  |
| 9   | 69  | 59  | 52  | 47  | 68  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 45  |    |    |    |    |    |  |  |
| 10  | 66  | 55  | 48  | 44  | 65  | 54  | 48  | 44  | 53  | 48  | 44  | 53  | 47  | 44  | 52  | 47  | 43  | 42  |    |    |    |    |    |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 51979 |
| 5°  | 51927 |
| 10° | 51750 |
| 15° | 52012 |
| 20° | 51813 |
| 25° | 51809 |
| 30° | 51583 |
| 35° | 44247 |
| 40° | 32278 |
| 45° | 20412 |
| 50° | 8921  |
| 55° | 1820  |
| 60° | 641   |
| 65° | 461   |
| 70° | 528   |
| 75° | 565   |
| 80° | 563   |
| 85° | 556   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 20412 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 597.9  | 6.5       |
| 10°-20°   | 1723.5 | 18.6      |
| 20°-30°   | 2633.7 | 28.5      |
| 30°-40°   | 2698.6 | 29.2      |
| 40°-50°   | 1364.8 | 14.7      |
| 50°-60°   | 186.1  | 2.0       |
| 60°-70°   | 26.4   | 0.3       |
| 70°-80°   | 18.5   | 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°    | 4955.2 | 53.5      |
| 0°-40°    | 7653.8 | 82.7      |
| 0°-60°    | 9204.8 | 99.4      |
| 0°-90°    | 9256.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9256.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6328 |      |
| 5°  | 6297 | 598  |
| 15° | 6116 | 1724 |
| 25° | 5716 | 2634 |
| 35° | 4412 | 2699 |
| 45° | 1757 | 1365 |
| 55° | 127  | 186  |
| 65° | 24   | 26   |
| 75° | 18   | 19   |
| 85° | 6    | 6    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 6327.8 |
| 2.5°  | 6308.3 |
| 5°    | 6297.3 |
| 7.5°  | 6256.6 |
| 10°   | 6204.1 |
| 12.5° | 6163.4 |
| 15°   | 6116.0 |
| 17.5° | 6031.3 |
| 20°   | 5927.1 |
| 22.5° | 5822.0 |
| 25°   | 5716.1 |
| 27.5° | 5595.0 |
| 30°   | 5438.2 |
| 32.5° | 4985.8 |
| 35°   | 4412.3 |
| 37.5° | 3751.4 |
| 40°   | 3010.1 |
| 42.5° | 2357.8 |
| 45°   | 1757.1 |
| 47.5° | 1206.4 |
| 50°   | 698.1  |
| 52.5° | 282.1  |
| 55°   | 127.1  |
| 57.5° | 73.7   |
| 60°   | 39.0   |
| 62.5° | 29.7   |
| 65°   | 23.7   |
| 67.5° | 22.9   |
| 70°   | 22.0   |
| 72.5° | 20.3   |
| 75°   | 17.8   |
| 77.5° | 15.2   |
| 80°   | 11.9   |
| 82.5° | 9.3    |
| 85°   | 5.9    |
| 87.5° | 2.5    |
| 90°   | 0.0    |

(END OF REPORT)