

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: P1504252

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K\_L16\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504252  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-17)  
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-04-BLAK-PS (6500K\_L16\_Medium\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source: 6500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

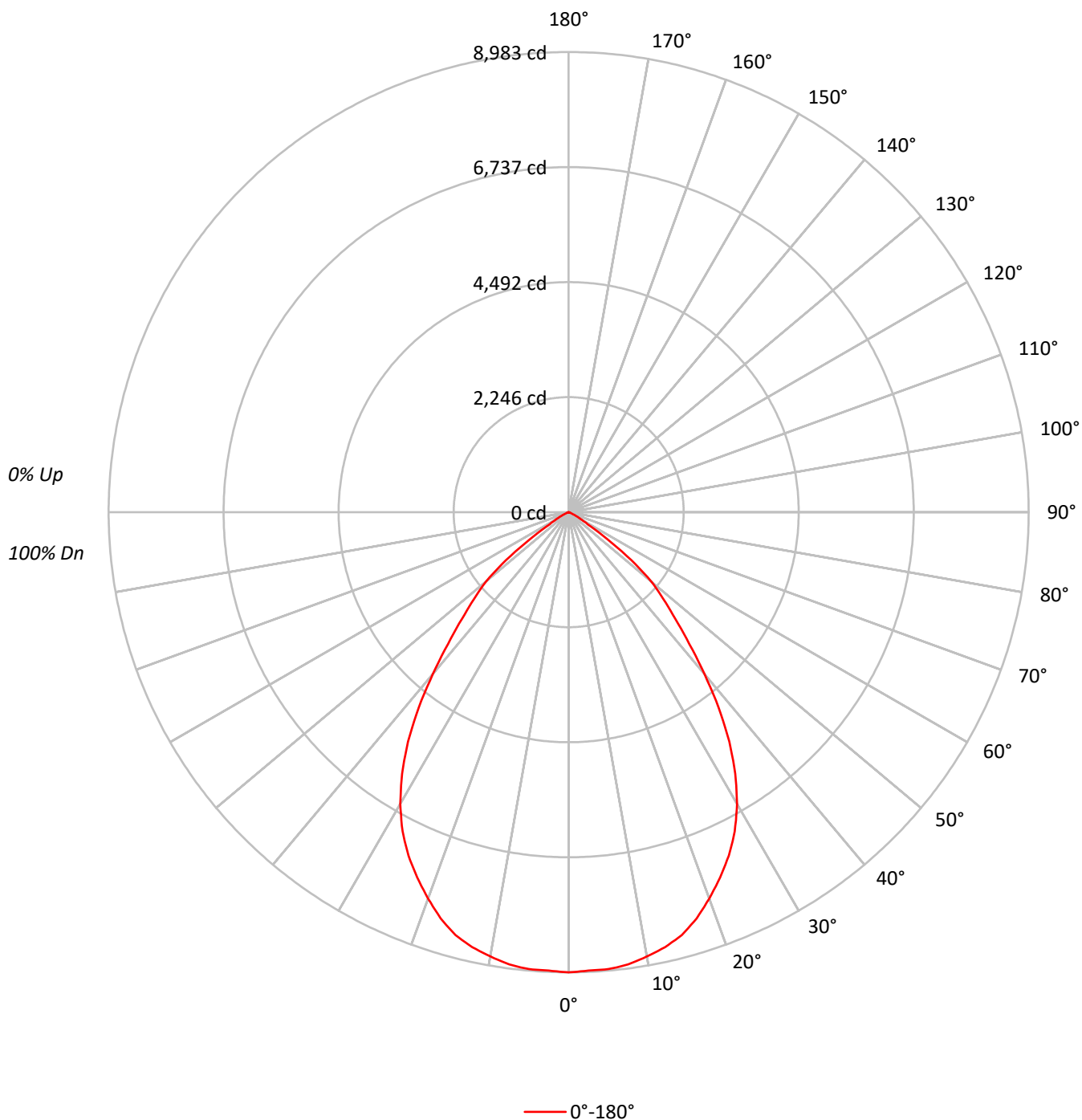
Lumens per Lamp: N/A  
Luminaire Lumens: 13360.6 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11  
Luminous Opening: Circular (Dia: 1.23' x H: 0')  
CIE Type: Direct

Input Watts (W): 102.5  
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   | 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  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 72  | 69  | 67  |  |  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |  |  |
| 6   | 81  | 71  | 64  | 59  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 62  | 58  | 65  | 61  | 57  | 56  |  |  |
| 7   | 76  | 65  | 58  | 53  | 75  | 65  | 58  | 53  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 52  | 51  |  |  |
| 8   | 72  | 61  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  | 58  | 52  | 48  | 57  | 52  | 48  | 46  |  |  |
| 9   | 68  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  | 54  | 48  | 44  | 53  | 48  | 44  | 43  |  |  |
| 10  | 64  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 50  | 45  | 41  | 39  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 82040 |
| 5°  | 82085 |
| 10° | 81672 |
| 15° | 80790 |
| 20° | 77997 |
| 25° | 74545 |
| 30° | 69354 |
| 35° | 60985 |
| 40° | 49124 |
| 45° | 37947 |
| 50° | 30005 |
| 55° | 14636 |
| 60° | 5345  |
| 65° | 2254  |
| 70° | 649   |
| 75° | 321   |
| 80° | 373   |
| 85° | 419   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 37947 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 850.0   | 6.4       |
| 10°-20°   | 2396.3  | 17.9      |
| 20°-30°   | 3387.6  | 25.4      |
| 30°-40°   | 3374.0  | 25.3      |
| 40°-50°   | 2312.1  | 17.3      |
| 50°-60°   | 903.0   | 6.8       |
| 60°-70°   | 121.8   | 0.9       |
| 70°-80°   | 11.6    | 0.1       |
| 80°-90°   | 4.3     | 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°    | 6633.9  | 49.7      |
| 0°-40°    | 10007.9 | 74.9      |
| 0°-60°    | 13222.9 | 99.0      |
| 0°-90°    | 13360.6 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 13360.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 8983 |      |
| 5°  | 8954 | 850  |
| 15° | 8545 | 2396 |
| 25° | 7398 | 3388 |
| 35° | 5470 | 3374 |
| 45° | 2938 | 2312 |
| 55° | 919  | 903  |
| 65° | 104  | 122  |
| 75° | 9    | 12   |
| 85° | 4    | 4    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 8982.9 |
| 2.5°  | 8956.6 |
| 5°    | 8953.6 |
| 7.5°  | 8906.0 |
| 10°   | 8806.8 |
| 12.5° | 8697.4 |
| 15°   | 8544.6 |
| 17.5° | 8313.7 |
| 20°   | 8025.2 |
| 22.5° | 7720.5 |
| 25°   | 7397.5 |
| 27.5° | 7022.9 |
| 30°   | 6576.5 |
| 32.5° | 6052.1 |
| 35°   | 5469.9 |
| 37.5° | 4805.8 |
| 40°   | 4120.4 |
| 42.5° | 3488.7 |
| 45°   | 2938.0 |
| 47.5° | 2507.7 |
| 50°   | 2111.8 |
| 52.5° | 1542.9 |
| 55°   | 919.2  |
| 57.5° | 437.4  |
| 60°   | 292.6  |
| 62.5° | 184.3  |
| 65°   | 104.3  |
| 67.5° | 50.6   |
| 70°   | 24.3   |
| 72.5° | 11.1   |
| 75°   | 9.1    |
| 77.5° | 8.1    |
| 80°   | 7.1    |
| 82.5° | 6.1    |
| 85°   | 4.0    |
| 87.5° | 2.0    |
| 90°   | 0.0    |

(END OF REPORT)