

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: P1504400

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K\_L18\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504400  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-40)  
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 (3000K\_L18\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

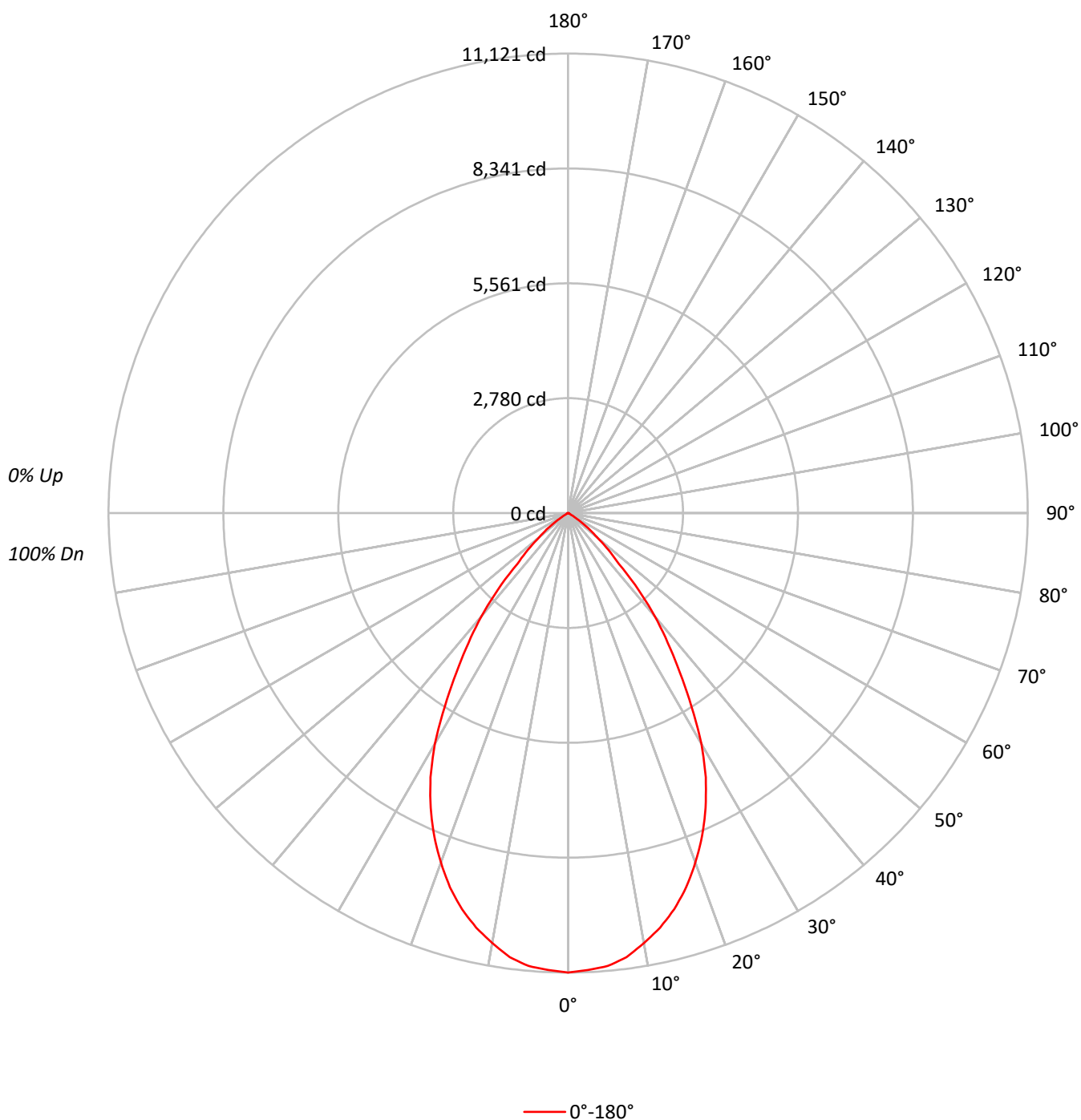
Lumens per Lamp: N/A  
Luminaire Lumens: 12244.5 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97  
Luminous Opening: Circular (Dia: 1.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 122.9  
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

TEST NUMBER: P1504400

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K\_L18\_Narrow\_120V)

### Luminous Intensity Polar Plot



TEST NUMBER: P1504400

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K\_L18\_Narrow\_120V)

### 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 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 94  | 93  |    |    |    |    |    |  |  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 93  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    |    |    |    |  |  |
| 3   | 101 | 94  | 89  | 84  | 99  | 93  | 88  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |    |    |    |  |  |
| 4   | 95  | 87  | 81  | 76  | 93  | 86  | 80  | 76  | 84  | 79  | 75  | 82  | 77  | 74  | 80  | 76  | 73  | 72  |    |    |    |    |    |  |  |
| 5   | 90  | 81  | 74  | 70  | 88  | 80  | 74  | 69  | 78  | 73  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 66  |    |    |    |    |    |  |  |
| 6   | 85  | 75  | 69  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 62  | 61  |    |    |    |    |    |  |  |
| 7   | 80  | 70  | 64  | 59  | 79  | 69  | 63  | 59  | 68  | 62  | 58  | 67  | 62  | 58  | 66  | 61  | 58  | 56  |    |    |    |    |    |  |  |
| 8   | 76  | 65  | 59  | 55  | 74  | 65  | 59  | 54  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |    |    |    |  |  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 49  |    |    |    |    |    |  |  |
| 10  | 68  | 58  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  | 56  | 50  | 47  | 55  | 50  | 47  | 45  |    |    |    |    |    |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 91356 |
| 5°  | 90731 |
| 10° | 88164 |
| 15° | 84394 |
| 20° | 78686 |
| 25° | 71331 |
| 30° | 61210 |
| 35° | 47251 |
| 40° | 34926 |
| 45° | 20165 |
| 50° | 11530 |
| 55° | 5551  |
| 60° | 1199  |
| 65° | 437   |
| 70° | 485   |
| 75° | 536   |
| 80° | 530   |
| 85° | 528   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 20165 cd/sqm

TEST NUMBER: P1504400

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K\_L18\_Narrow\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1036.5  | 8.5       |
| 10°-20°   | 2775.6  | 22.7      |
| 20°-30°   | 3584.4  | 29.3      |
| 30°-40°   | 2958.3  | 24.2      |
| 40°-50°   | 1459.0  | 11.9      |
| 50°-60°   | 375.4   | 3.1       |
| 60°-70°   | 31.4    | 0.3       |
| 70°-80°   | 17.5    | 0.1       |
| 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°    | 7396.5  | 60.4      |
| 0°-40°    | 10354.8 | 84.6      |
| 0°-60°    | 12189.2 | 99.5      |
| 0°-90°    | 12244.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 12244.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 11121 |      |
| 5°  | 11003 | ###  |
| 15° | 9924  | 2776 |
| 25° | 7870  | 3584 |
| 35° | 4712  | 2958 |
| 45° | 1736  | 1459 |
| 55° | 388   | 375  |
| 65° | 22    | 31   |
| 75° | 17    | 18   |
| 85° | 6     | 6    |
| 90° | 0     |      |

TEST NUMBER: P1504400

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K\_L18\_Narrow\_120V)

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 11121.3 |
| 2.5°  | 11069.6 |
| 5°    | 11003.3 |
| 7.5°  | 10838.2 |
| 10°   | 10569.7 |
| 12.5° | 10276.4 |
| 15°   | 9923.7  |
| 17.5° | 9499.0  |
| 20°   | 9001.3  |
| 22.5° | 8465.4  |
| 25°   | 7870.0  |
| 27.5° | 7209.3  |
| 30°   | 6453.2  |
| 32.5° | 5552.2  |
| 35°   | 4711.9  |
| 37.5° | 3965.9  |
| 40°   | 3257.0  |
| 42.5° | 2525.6  |
| 45°   | 1735.8  |
| 47.5° | 1324.6  |
| 50°   | 902.2   |
| 52.5° | 657.2   |
| 55°   | 387.6   |
| 57.5° | 175.3   |
| 60°   | 73.0    |
| 62.5° | 37.1    |
| 65°   | 22.5    |
| 67.5° | 21.3    |
| 70°   | 20.2    |
| 72.5° | 19.1    |
| 75°   | 16.9    |
| 77.5° | 14.6    |
| 80°   | 11.2    |
| 82.5° | 9.0     |
| 85°   | 5.6     |
| 87.5° | 3.4     |
| 90°   | 0.0     |

(END OF REPORT)