

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: P1504886

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L18\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504886  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)  
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-TRWH-PS (6500K\_L18\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

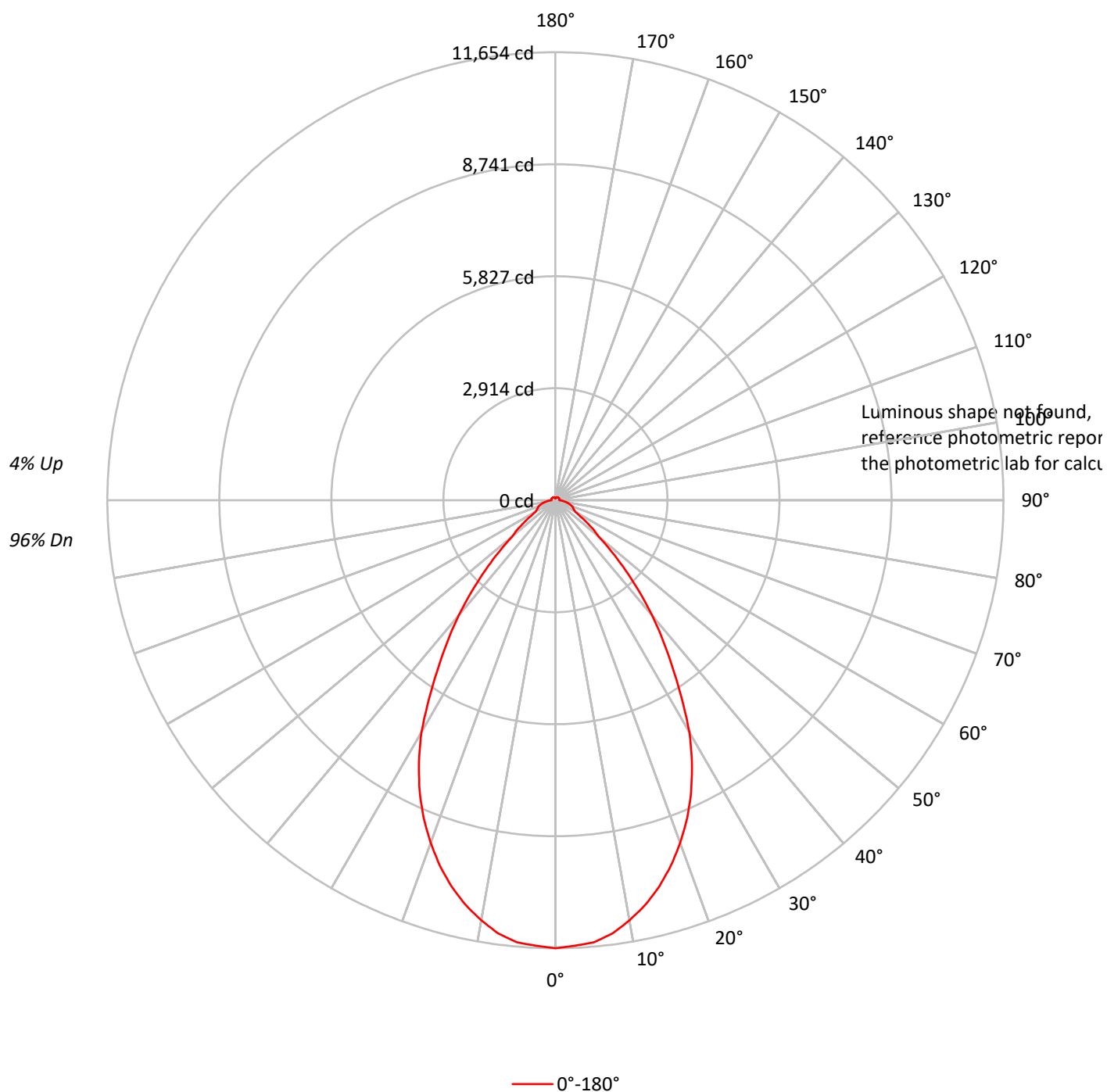
Lumens per Lamp: N/A  
Luminaire Lumens: 15744.6 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 123.3  
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

TEST NUMBER: P1504886

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L18\_Narrow\_120V)

### Luminous Intensity Polar Plot





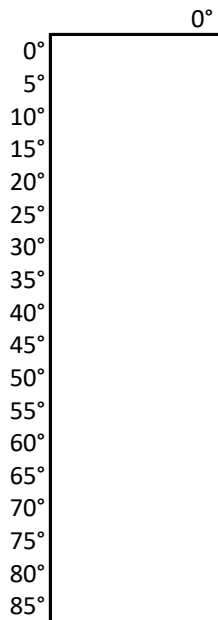
TEST NUMBER: P1504886

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_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 | 0  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 96 |  |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 104 | 101 | 99  | 99  | 97  | 95  | 95  | 93  | 91  | 91 | 89 | 88 | 86 |  |  |
| 2   | 103 | 97  | 92  | 88  | 101 | 95  | 90  | 86  | 91  | 87  | 84  | 87  | 84  | 81  | 84 | 81 | 79 | 77 |  |  |
| 3   | 97  | 89  | 82  | 77  | 94  | 87  | 81  | 76  | 83  | 79  | 75  | 80  | 76  | 73  | 78 | 74 | 71 | 69 |  |  |
| 4   | 90  | 81  | 74  | 69  | 88  | 80  | 73  | 68  | 77  | 71  | 67  | 74  | 70  | 66  | 72 | 68 | 65 | 63 |  |  |
| 5   | 85  | 75  | 67  | 62  | 83  | 73  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 60  | 67 | 62 | 59 | 57 |  |  |
| 6   | 80  | 69  | 62  | 57  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 62 | 58 | 54 | 52 |  |  |
| 7   | 75  | 64  | 57  | 52  | 73  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 58 | 53 | 50 | 48 |  |  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 54 | 49 | 46 | 44 |  |  |
| 9   | 67  | 55  | 49  | 44  | 65  | 55  | 48  | 44  | 53  | 47  | 43  | 52  | 47  | 43  | 51 | 46 | 43 | 41 |  |  |
| 10  | 63  | 52  | 45  | 41  | 62  | 51  | 45  | 41  | 50  | 44  | 40  | 49  | 44  | 40  | 48 | 43 | 40 | 38 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

TEST NUMBER: P1504886

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L18\_Narrow\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1087.2  | 6.9       |
| 10°-20°   | 2914.8  | 18.5      |
| 20°-30°   | 3809.9  | 24.2      |
| 30°-40°   | 3328.8  | 21.1      |
| 40°-50°   | 2004.0  | 12.7      |
| 50°-60°   | 876.0   | 5.6       |
| 60°-70°   | 514.3   | 3.3       |
| 70°-80°   | 395.7   | 2.5       |
| 80°-90°   | 203.5   | 1.3       |
| 90°-100°  | 110.6   | 0.7       |
| 100°-110° | 110.4   | 0.7       |
| 110°-120° | 103.6   | 0.7       |
| 120°-130° | 91.0    | 0.6       |
| 130°-140° | 74.8    | 0.5       |
| 140°-150° | 57.0    | 0.4       |
| 150°-160° | 38.2    | 0.2       |
| 160°-170° | 19.5    | 0.1       |
| 170°-180° | 5.3     | 0.0       |
| 0°-30°    | 7811.9  | 49.6      |
| 0°-40°    | 11140.7 | 70.8      |
| 0°-60°    | 14020.7 | 89.1      |
| 0°-90°    | 15134.3 | 96.1      |
| 90°-120°  | 324.6   | 2.1       |
| 90°-150°  | 547.3   | 3.5       |
| 90°-180°  | 610.0   | 3.9       |
| 0°-180°   | 15744.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 11654 |      |
| 5°   | 11541 | ###  |
| 15°  | 10410 | 2915 |
| 25°  | 8355  | 3810 |
| 35°  | 5300  | 3329 |
| 45°  | 2570  | 2004 |
| 55°  | 956   | 876  |
| 65°  | 513   | 514  |
| 75°  | 377   | 396  |
| 85°  | 185   | 170  |
| 90°  | 101   | 61   |
| 95°  | 101   | 83   |
| 105° | 105   | 110  |
| 115° | 105   | 104  |
| 125° | 101   | 91   |
| 135° | 97    | 75   |
| 145° | 90    | 57   |
| 155° | 82    | 38   |
| 165° | 68    | 19   |
| 175° | 54    | 5    |
| 180° | 54    |      |

TEST NUMBER: P1504886

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L18\_Narrow\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 11653.5 |
| 2.5°   | 11599.5 |
| 5°     | 11540.9 |
| 7.5°   | 11367.4 |
| 10°    | 11095.9 |
| 12.5°  | 10784.9 |
| 15°    | 10409.8 |
| 17.5°  | 9974.9  |
| 20°    | 9484.8  |
| 22.5°  | 8949.7  |
| 25°    | 8354.9  |
| 27.5°  | 7689.0  |
| 30°    | 6965.8  |
| 32.5°  | 6105.0  |
| 35°    | 5299.5  |
| 37.5°  | 4590.9  |
| 40°    | 3910.4  |
| 42.5°  | 3231.1  |
| 45°    | 2569.8  |
| 47.5°  | 1994.1  |
| 50°    | 1469.1  |
| 52.5°  | 1223.5  |
| 55°    | 956.5   |
| 57.5°  | 727.8   |
| 60°    | 597.1   |
| 62.5°  | 543.0   |
| 65°    | 512.6   |
| 67.5°  | 491.2   |
| 70°    | 460.8   |
| 72.5°  | 422.5   |
| 75°    | 377.4   |
| 77.5°  | 329.0   |
| 80°    | 279.4   |
| 82.5°  | 232.1   |
| 85°    | 184.8   |
| 87.5°  | 139.7   |
| 90°    | 101.4   |
| 92.5°  | 99.1    |
| 95°    | 101.4   |
| 97.5°  | 102.5   |
| 100°   | 103.6   |
| 102.5° | 103.6   |
| 105°   | 104.8   |
| 107.5° | 104.8   |
| 110°   | 104.8   |

TEST NUMBER: P1504886

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L18\_Narrow\_120V)

**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 104.8 |
| 115°   | 104.8 |
| 117.5° | 103.6 |
| 120°   | 103.6 |
| 122.5° | 102.5 |
| 125°   | 101.4 |
| 127.5° | 100.3 |
| 130°   | 99.1  |
| 132.5° | 98.0  |
| 135°   | 96.9  |
| 137.5° | 94.6  |
| 140°   | 93.5  |
| 142.5° | 92.4  |
| 145°   | 90.1  |
| 147.5° | 89.0  |
| 150°   | 87.9  |
| 152.5° | 85.6  |
| 155°   | 82.2  |
| 157.5° | 78.9  |
| 160°   | 75.5  |
| 162.5° | 72.1  |
| 165°   | 67.6  |
| 167.5° | 64.2  |
| 170°   | 59.7  |
| 172.5° | 55.2  |
| 175°   | 54.1  |
| 177.5° | 54.1  |
| 180°   | 54.1  |

(END OF REPORT)