

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: P1504689

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K\_L18\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504689  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)  
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-04-TRWH-PS (4000K\_L18\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

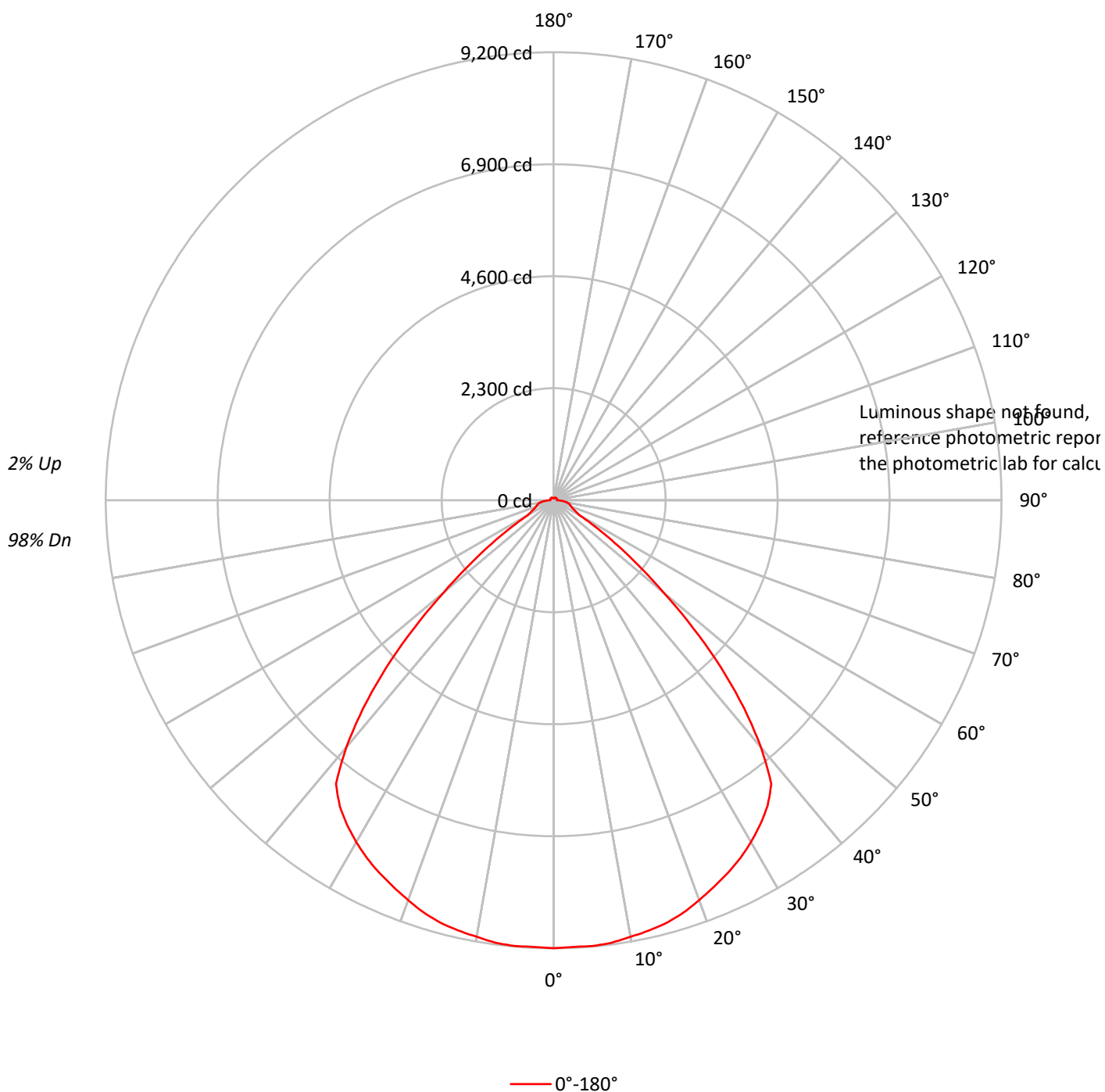
Lumens per Lamp: N/A  
Luminaire Lumens: 18625.3 lumens  
Efficiency: N/A  
Efficacy: 156.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3  
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 119.3  
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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 |    |    | 98 |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 95  | 96  | 94  | 92  | 92  | 91  | 89  |    |    | 87 |
| 2   | 103 | 97  | 91  | 87  | 100 | 95  | 90  | 86  | 91  | 87  | 83  | 87  | 84  | 81  | 84  | 81  | 79  |    |    | 77 |
| 3   | 96  | 87  | 81  | 76  | 93  | 86  | 80  | 75  | 83  | 77  | 73  | 80  | 75  | 72  | 77  | 73  | 70  |    |    | 68 |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 75  | 69  | 65  | 73  | 68  | 64  | 71  | 66  | 63  |    |    | 61 |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 61  | 57  | 65  | 60  | 56  |    |    | 54 |
| 6   | 77  | 66  | 58  | 53  | 75  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 56  | 51  | 60  | 55  | 51  |    |    | 49 |
| 7   | 72  | 60  | 53  | 47  | 70  | 60  | 52  | 47  | 58  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  |    |    | 44 |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  |    |    | 40 |
| 9   | 63  | 51  | 44  | 39  | 62  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  |    |    | 36 |
| 10  | 60  | 48  | 40  | 36  | 58  | 47  | 40  | 36  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  |    |    | 33 |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 874.4   | 4.7       |
| 10°-20°   | 2534.2  | 13.6      |
| 20°-30°   | 3898.9  | 20.9      |
| 30°-40°   | 4737.8  | 25.4      |
| 40°-50°   | 3702.9  | 19.9      |
| 50°-60°   | 1435.8  | 7.7       |
| 60°-70°   | 467.9   | 2.5       |
| 70°-80°   | 360.1   | 1.9       |
| 80°-90°   | 200.6   | 1.1       |
| 90°-100°  | 74.0    | 0.4       |
| 100°-110° | 74.0    | 0.4       |
| 110°-120° | 69.4    | 0.4       |
| 120°-130° | 61.4    | 0.3       |
| 130°-140° | 51.0    | 0.3       |
| 140°-150° | 39.6    | 0.2       |
| 150°-160° | 26.4    | 0.1       |
| 160°-170° | 13.3    | 0.1       |
| 170°-180° | 3.6     | 0.0       |
| 0°-30°    | 7307.5  | 39.2      |
| 0°-40°    | 12045.3 | 64.7      |
| 0°-60°    | 17184.0 | 92.3      |
| 0°-90°    | 18212.5 | 97.8      |
| 90°-120°  | 217.5   | 1.2       |
| 90°-150°  | 369.4   | 2.0       |
| 90°-180°  | 413.0   | 2.2       |
| 0°-180°   | 18625.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 9200 |      |
| 5°   | 9188 | 874  |
| 15°  | 8984 | 2534 |
| 25°  | 8453 | 3899 |
| 35°  | 7662 | 4738 |
| 45°  | 4864 | 3703 |
| 55°  | 1538 | 1436 |
| 65°  | 460  | 468  |
| 75°  | 344  | 360  |
| 85°  | 189  | 174  |
| 90°  | 68   | 45   |
| 95°  | 68   | 56   |
| 105° | 70   | 74   |
| 115° | 70   | 69   |
| 125° | 69   | 61   |
| 135° | 65   | 51   |
| 145° | 63   | 40   |
| 155° | 57   | 26   |
| 165° | 46   | 13   |
| 175° | 37   | 4    |
| 180° | 37   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 9199.7 |
| 2.5°   | 9180.7 |
| 5°     | 9187.8 |
| 7.5°   | 9165.3 |
| 10°    | 9102.3 |
| 12.5°  | 9051.2 |
| 15°    | 8983.5 |
| 17.5°  | 8877.8 |
| 20°    | 8738.9 |
| 22.5°  | 8596.4 |
| 25°    | 8452.7 |
| 27.5°  | 8294.7 |
| 30°    | 8105.9 |
| 32.5°  | 7896.8 |
| 35°    | 7661.7 |
| 37.5°  | 7343.4 |
| 40°    | 6632.0 |
| 42.5°  | 5787.5 |
| 45°    | 4863.5 |
| 47.5°  | 3887.2 |
| 50°    | 2949.0 |
| 52.5°  | 2182.9 |
| 55°    | 1538.0 |
| 57.5°  | 989.3  |
| 60°    | 614.0  |
| 62.5°  | 525.0  |
| 65°    | 459.6  |
| 67.5°  | 408.6  |
| 70°    | 382.4  |
| 72.5°  | 361.1  |
| 75°    | 344.4  |
| 77.5°  | 321.9  |
| 80°    | 288.6  |
| 82.5°  | 244.7  |
| 85°    | 188.8  |
| 87.5°  | 124.7  |
| 90°    | 67.7   |
| 92.5°  | 66.5   |
| 95°    | 67.7   |
| 97.5°  | 68.9   |
| 100°   | 68.9   |
| 102.5° | 70.1   |
| 105°   | 70.1   |
| 107.5° | 70.1   |
| 110°   | 70.1   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 70.1 |
| 115°   | 70.1 |
| 117.5° | 70.1 |
| 120°   | 68.9 |
| 122.5° | 68.9 |
| 125°   | 68.9 |
| 127.5° | 67.7 |
| 130°   | 67.7 |
| 132.5° | 66.5 |
| 135°   | 65.3 |
| 137.5° | 65.3 |
| 140°   | 64.1 |
| 142.5° | 64.1 |
| 145°   | 62.9 |
| 147.5° | 61.8 |
| 150°   | 61.8 |
| 152.5° | 59.4 |
| 155°   | 57.0 |
| 157.5° | 53.4 |
| 160°   | 52.3 |
| 162.5° | 48.7 |
| 165°   | 46.3 |
| 167.5° | 43.9 |
| 170°   | 40.4 |
| 172.5° | 38.0 |
| 175°   | 36.8 |
| 177.5° | 36.8 |
| 180°   | 36.8 |

(END OF REPORT)