

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: P1504852

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K\_L12\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504852  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-62)  
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 (3500K\_L12\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

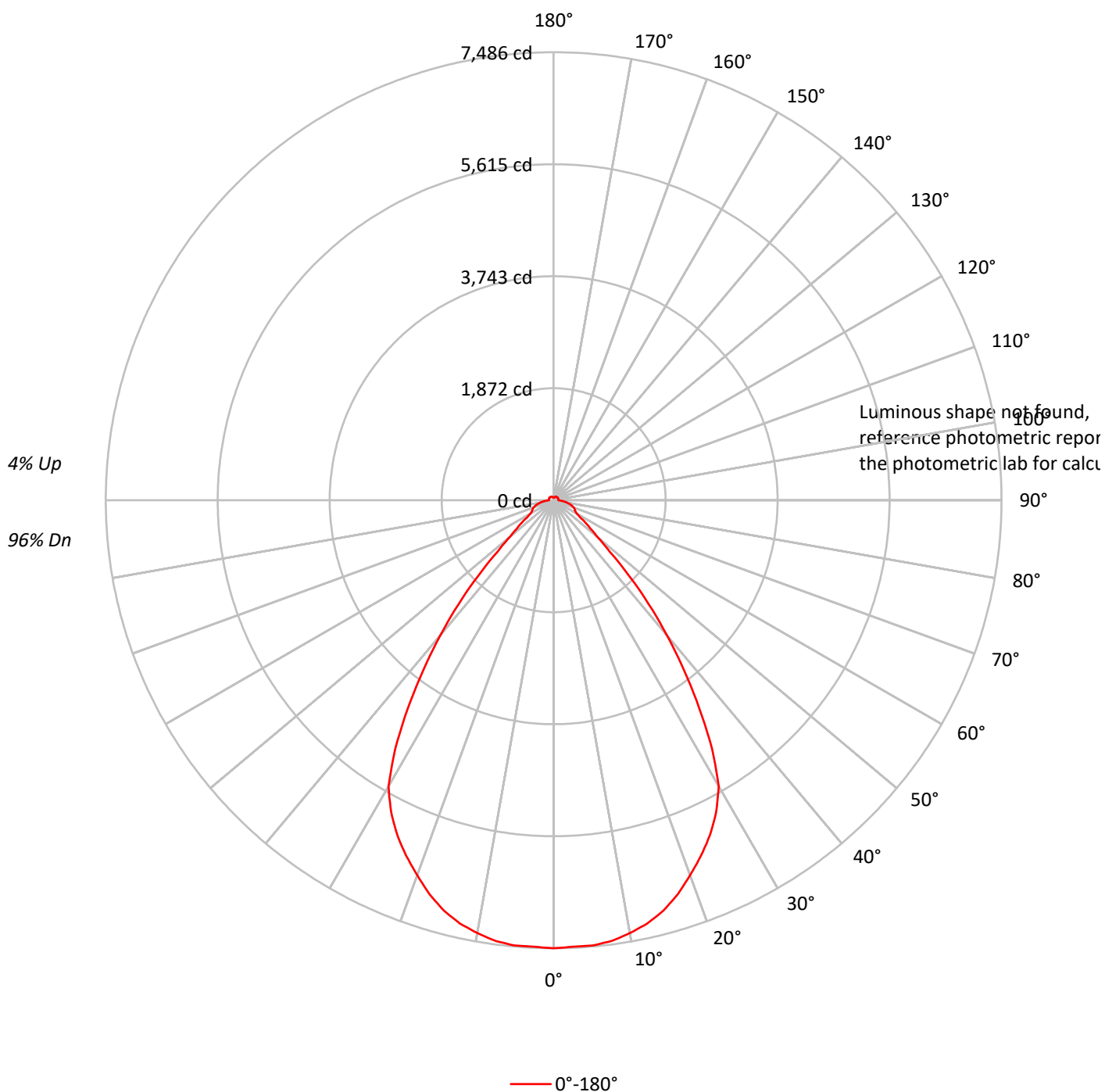
Lumens per Lamp: N/A  
Luminaire Lumens: 11480.6 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 81.7  
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   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |    |  |  |
| 1   | 110 | 107 | 103 | 100 | 107 | 104 | 101 | 98  | 99  | 97  | 95  | 95  | 93  | 91  | 91 | 89 | 88 | 88 | 88 | 88 | 88 | 86 |    |  |  |
| 2   | 103 | 97  | 92  | 87  | 100 | 95  | 90  | 86  | 91  | 87  | 83  | 87  | 84  | 81  | 83 | 81 | 79 | 79 | 79 | 79 | 79 | 76 |    |  |  |
| 3   | 96  | 88  | 82  | 77  | 94  | 86  | 81  | 76  | 83  | 78  | 74  | 80  | 76  | 72  | 77 | 74 | 71 | 71 | 71 | 71 | 71 | 69 |    |  |  |
| 4   | 90  | 81  | 74  | 68  | 88  | 79  | 73  | 68  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 64 | 64 | 64 | 64 | 62 |    |  |  |
| 5   | 84  | 74  | 67  | 62  | 82  | 73  | 66  | 61  | 70  | 65  | 60  | 68  | 63  | 59  | 66 | 62 | 58 | 58 | 58 | 58 | 58 | 56 |    |  |  |
| 6   | 79  | 68  | 61  | 56  | 77  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 61 | 57 | 53 | 53 | 53 | 53 | 53 | 51 |    |  |  |
| 7   | 74  | 63  | 56  | 51  | 73  | 62  | 55  | 51  | 61  | 54  | 50  | 59  | 53  | 49  | 57 | 53 | 49 | 49 | 49 | 49 | 49 | 47 |    |  |  |
| 8   | 70  | 59  | 52  | 47  | 68  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 49  | 46  | 54 | 49 | 45 | 45 | 45 | 45 | 45 | 43 |    |  |  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  | 51  | 46  | 42  | 50 | 45 | 42 | 42 | 42 | 42 | 42 | 40 |    |  |  |
| 10  | 62  | 51  | 44  | 40  | 61  | 50  | 44  | 40  | 49  | 43  | 39  | 48  | 43  | 39  | 47 | 42 | 39 | 39 | 39 | 39 | 39 | 37 |    |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 708.9   | 6.2       |
| 10°-20°   | 1991.9  | 17.4      |
| 20°-30°   | 2829.7  | 24.6      |
| 30°-40°   | 2635.6  | 23.0      |
| 40°-50°   | 1400.3  | 12.2      |
| 50°-60°   | 585.8   | 5.1       |
| 60°-70°   | 393.3   | 3.4       |
| 70°-80°   | 310.4   | 2.7       |
| 80°-90°   | 159.5   | 1.4       |
| 90°-100°  | 84.4    | 0.7       |
| 100°-110° | 84.4    | 0.7       |
| 110°-120° | 79.0    | 0.7       |
| 120°-130° | 69.6    | 0.6       |
| 130°-140° | 57.0    | 0.5       |
| 140°-150° | 43.3    | 0.4       |
| 150°-160° | 28.8    | 0.3       |
| 160°-170° | 14.7    | 0.1       |
| 170°-180° | 4.0     | 0.0       |
| 0°-30°    | 5530.5  | 48.2      |
| 0°-40°    | 8166.1  | 71.1      |
| 0°-60°    | 10152.2 | 88.4      |
| 0°-90°    | 11015.4 | 95.9      |
| 90°-120°  | 247.9   | 2.2       |
| 90°-150°  | 417.7   | 3.6       |
| 90°-180°  | 465.0   | 4.1       |
| 0°-180°   | 11480.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 7486 |      |
| 5°   | 7469 | 709  |
| 15°  | 7098 | 1992 |
| 25°  | 6178 | 2830 |
| 35°  | 4248 | 2636 |
| 45°  | 1776 | 1400 |
| 55°  | 638  | 586  |
| 65°  | 393  | 393  |
| 75°  | 296  | 310  |
| 85°  | 145  | 134  |
| 90°  | 77   | 46   |
| 95°  | 78   | 64   |
| 105° | 80   | 84   |
| 115° | 80   | 79   |
| 125° | 78   | 70   |
| 135° | 74   | 57   |
| 145° | 69   | 43   |
| 155° | 62   | 29   |
| 165° | 51   | 15   |
| 175° | 40   | 4    |
| 180° | 40   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 7485.6 |
| 2.5°   | 7468.0 |
| 5°     | 7468.8 |
| 7.5°   | 7427.2 |
| 10°    | 7344.1 |
| 12.5°  | 7241.8 |
| 15°    | 7098.0 |
| 17.5°  | 6900.6 |
| 20°    | 6668.0 |
| 22.5°  | 6433.1 |
| 25°    | 6178.2 |
| 27.5°  | 5880.9 |
| 30°    | 5519.7 |
| 32.5°  | 4925.1 |
| 35°    | 4248.2 |
| 37.5°  | 3581.8 |
| 40°    | 2942.4 |
| 42.5°  | 2350.3 |
| 45°    | 1776.5 |
| 47.5°  | 1268.2 |
| 50°    | 957.4  |
| 52.5°  | 772.8  |
| 55°    | 638.5  |
| 57.5°  | 518.6  |
| 60°    | 445.1  |
| 62.5°  | 414.0  |
| 65°    | 393.2  |
| 67.5°  | 378.8  |
| 70°    | 357.2  |
| 72.5°  | 329.2  |
| 75°    | 295.7  |
| 77.5°  | 260.5  |
| 80°    | 223.0  |
| 82.5°  | 183.0  |
| 85°    | 144.6  |
| 87.5°  | 107.9  |
| 90°    | 76.7   |
| 92.5°  | 75.9   |
| 95°    | 77.5   |
| 97.5°  | 78.3   |
| 100°   | 79.1   |
| 102.5° | 79.9   |
| 105°   | 79.9   |
| 107.5° | 79.9   |
| 110°   | 79.9   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 79.9 |
| 115°   | 79.9 |
| 117.5° | 79.1 |
| 120°   | 79.1 |
| 122.5° | 78.3 |
| 125°   | 77.5 |
| 127.5° | 76.7 |
| 130°   | 75.9 |
| 132.5° | 74.3 |
| 135°   | 73.5 |
| 137.5° | 72.7 |
| 140°   | 71.1 |
| 142.5° | 70.3 |
| 145°   | 68.7 |
| 147.5° | 67.9 |
| 150°   | 66.3 |
| 152.5° | 64.7 |
| 155°   | 62.3 |
| 157.5° | 59.1 |
| 160°   | 57.5 |
| 162.5° | 54.3 |
| 165°   | 51.1 |
| 167.5° | 47.9 |
| 170°   | 44.8 |
| 172.5° | 41.6 |
| 175°   | 40.0 |
| 177.5° | 40.8 |
| 180°   | 40.0 |

(END OF REPORT)