

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: P1504807

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

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504807  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)  
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-CLER-PS (3500K\_L12\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

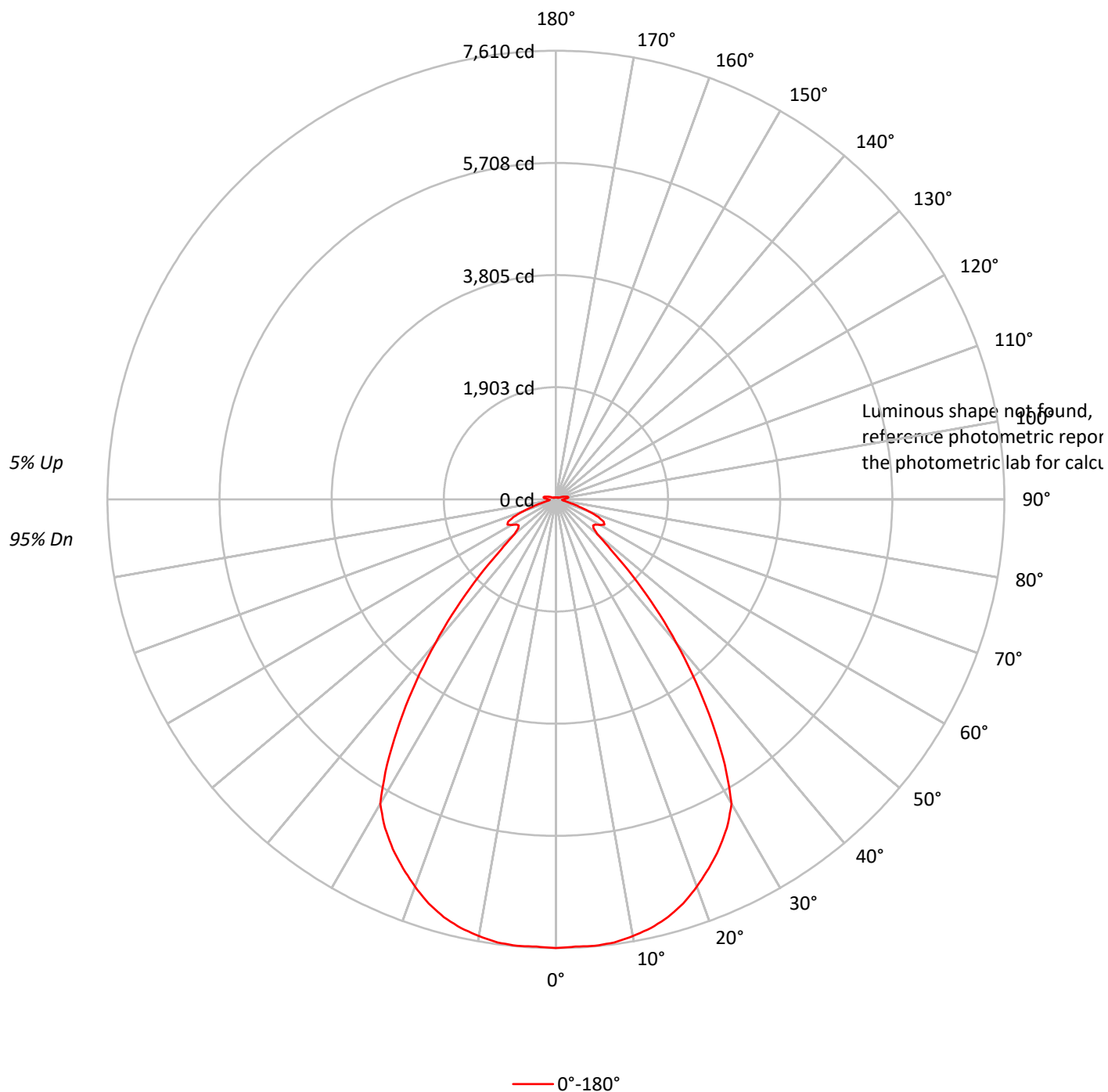
Lumens per Lamp: N/A  
Luminaire Lumens: 12712.3 lumens  
Efficiency: N/A  
Efficacy: 155.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

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 |    |  |  | 0 |
| 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 | 95 |  |  |   |
| 1   | 110 | 106 | 103 | 100 | 107 | 104 | 101 | 98  | 99  | 96  | 94  | 94  | 92  | 90  | 90 | 88 | 87 | 85 |  |  |   |
| 2   | 102 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 90  | 85  | 82  | 86  | 82  | 79  | 82 | 79 | 77 | 75 |  |  |   |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 78  | 74  | 71  | 75 | 72 | 69 | 67 |  |  |   |
| 4   | 89  | 79  | 72  | 67  | 86  | 78  | 71  | 66  | 75  | 69  | 65  | 72  | 67  | 63  | 69 | 65 | 62 | 60 |  |  |   |
| 5   | 83  | 72  | 65  | 60  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 66  | 61  | 57  | 64 | 60 | 56 | 54 |  |  |   |
| 6   | 78  | 67  | 59  | 54  | 76  | 66  | 59  | 53  | 63  | 57  | 53  | 61  | 56  | 52  | 60 | 55 | 51 | 49 |  |  |   |
| 7   | 73  | 62  | 54  | 49  | 71  | 61  | 54  | 49  | 59  | 53  | 48  | 57  | 52  | 47  | 55 | 51 | 47 | 45 |  |  |   |
| 8   | 69  | 57  | 50  | 45  | 67  | 56  | 49  | 45  | 55  | 48  | 44  | 53  | 48  | 44  | 52 | 47 | 43 | 41 |  |  |   |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 48 | 43 | 40 | 38 |  |  |   |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 38  | 46  | 41  | 37  | 45 | 40 | 37 | 35 |  |  |   |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 723.1   | 5.7       |
| 10°-20°   | 2063.8  | 16.2      |
| 20°-30°   | 3003.9  | 23.6      |
| 30°-40°   | 2858.5  | 22.5      |
| 40°-50°   | 1456.6  | 11.5      |
| 50°-60°   | 730.6   | 5.7       |
| 60°-70°   | 822.7   | 6.5       |
| 70°-80°   | 332.2   | 2.6       |
| 80°-90°   | 124.4   | 1.0       |
| 90°-100°  | 191.5   | 1.5       |
| 100°-110° | 189.1   | 1.5       |
| 110°-120° | 90.0    | 0.7       |
| 120°-130° | 40.9    | 0.3       |
| 130°-140° | 31.3    | 0.2       |
| 140°-150° | 24.5    | 0.2       |
| 150°-160° | 16.8    | 0.1       |
| 160°-170° | 9.8     | 0.1       |
| 170°-180° | 2.7     | 0.0       |
| 0°-30°    | 5790.7  | 45.6      |
| 0°-40°    | 8649.2  | 68.0      |
| 0°-60°    | 10836.4 | 85.2      |
| 0°-90°    | 12115.7 | 95.3      |
| 90°-120°  | 470.6   | 3.7       |
| 90°-150°  | 567.3   | 4.5       |
| 90°-180°  | 597.0   | 4.7       |
| 0°-180°   | 12712.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 7610 |      |
| 5°   | 7600 | 723  |
| 15°  | 7338 | 2064 |
| 25°  | 6545 | 3004 |
| 35°  | 4618 | 2859 |
| 45°  | 1846 | 1457 |
| 55°  | 770  | 731  |
| 65°  | 894  | 823  |
| 75°  | 282  | 332  |
| 85°  | 104  | 93   |
| 90°  | 122  | 68   |
| 95°  | 180  | 154  |
| 105° | 182  | 189  |
| 115° | 88   | 90   |
| 125° | 43   | 41   |
| 135° | 41   | 31   |
| 145° | 39   | 24   |
| 155° | 36   | 17   |
| 165° | 35   | 10   |
| 175° | 28   | 3    |
| 180° | 29   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 7610.0 |
| 2.5°   | 7592.5 |
| 5°     | 7600.0 |
| 7.5°   | 7580.8 |
| 10°    | 7521.6 |
| 12.5°  | 7447.4 |
| 15°    | 7338.2 |
| 17.5°  | 7187.3 |
| 20°    | 6990.6 |
| 22.5°  | 6773.8 |
| 25°    | 6545.4 |
| 27.5°  | 6282.7 |
| 30°    | 5960.1 |
| 32.5°  | 5335.7 |
| 35°    | 4617.8 |
| 37.5°  | 3898.4 |
| 40°    | 3178.1 |
| 42.5°  | 2500.3 |
| 45°    | 1845.8 |
| 47.5°  | 1257.2 |
| 50°    | 918.7  |
| 52.5°  | 805.4  |
| 55°    | 769.5  |
| 57.5°  | 792.0  |
| 60°    | 865.4  |
| 62.5°  | 928.7  |
| 65°    | 893.7  |
| 67.5°  | 769.5  |
| 70°    | 596.1  |
| 72.5°  | 418.5  |
| 75°    | 281.8  |
| 77.5°  | 194.3  |
| 80°    | 140.1  |
| 82.5°  | 113.4  |
| 85°    | 104.2  |
| 87.5°  | 107.5  |
| 90°    | 121.7  |
| 92.5°  | 148.4  |
| 95°    | 180.1  |
| 97.5°  | 205.9  |
| 100°   | 214.3  |
| 102.5° | 203.4  |
| 105°   | 181.7  |
| 107.5° | 155.9  |
| 110°   | 130.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 108.4 |
| 115°   | 87.5  |
| 117.5° | 70.9  |
| 120°   | 57.5  |
| 122.5° | 49.2  |
| 125°   | 43.4  |
| 127.5° | 40.9  |
| 130°   | 39.2  |
| 132.5° | 40.0  |
| 135°   | 40.9  |
| 137.5° | 40.9  |
| 140°   | 40.9  |
| 142.5° | 40.0  |
| 145°   | 39.2  |
| 147.5° | 37.5  |
| 150°   | 36.7  |
| 152.5° | 36.7  |
| 155°   | 35.8  |
| 157.5° | 35.8  |
| 160°   | 36.7  |
| 162.5° | 35.8  |
| 165°   | 35.0  |
| 167.5° | 32.5  |
| 170°   | 30.0  |
| 172.5° | 28.3  |
| 175°   | 28.3  |
| 177.5° | 28.3  |
| 180°   | 29.2  |

(END OF REPORT)