

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: P1504983

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K\_L32\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504983  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K\_L32\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

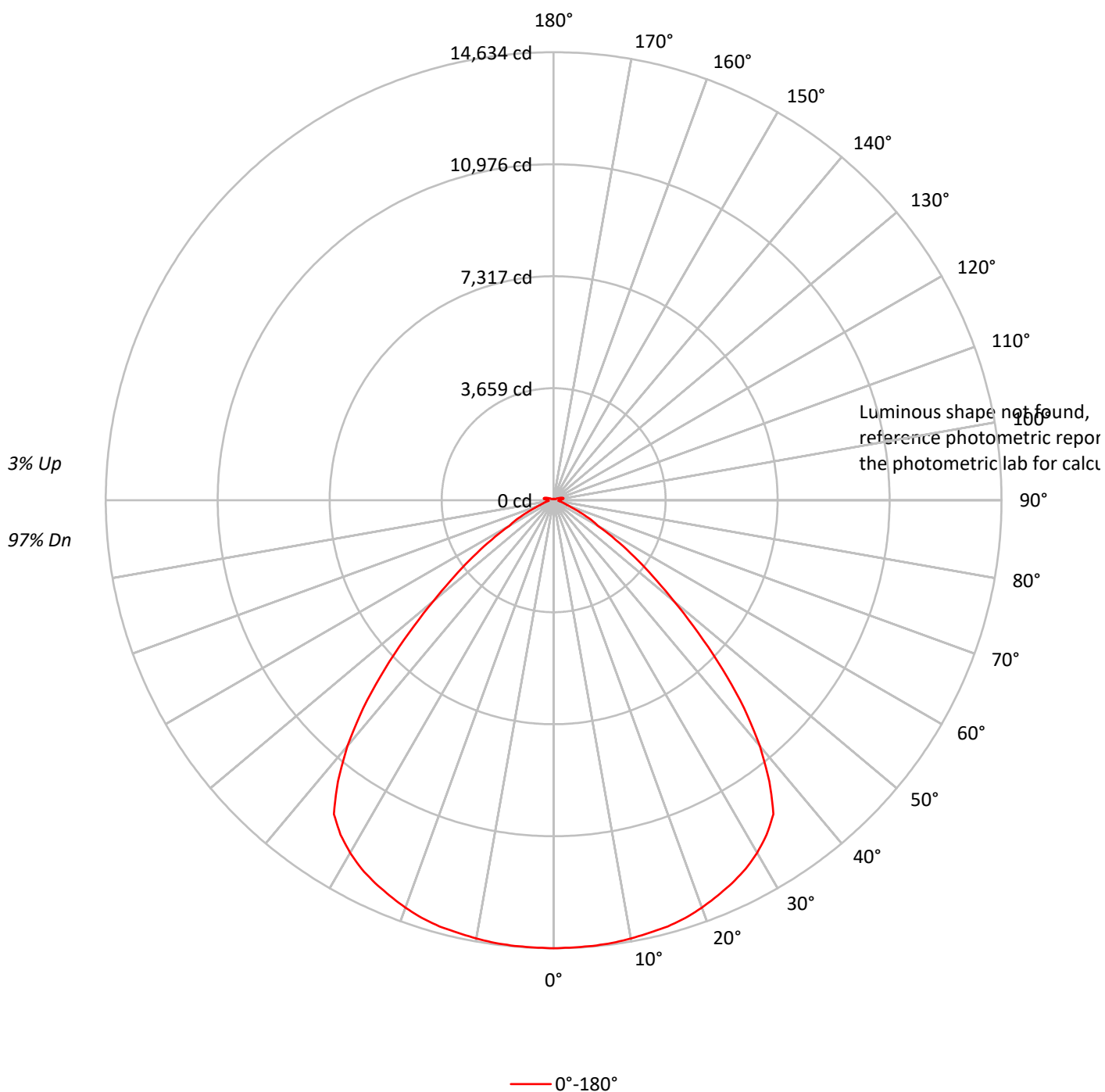
Lumens per Lamp: N/A  
Luminaire Lumens: 30860.7 lumens  
Efficiency: N/A  
Efficacy: 154.8 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3  
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 199.4  
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 | 0  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |  |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 95  | 96  | 94  | 92  | 92 | 90 | 89 | 87 |  |  |
| 2   | 103 | 97  | 91  | 87  | 100 | 94  | 90  | 85  | 91  | 87  | 83  | 87  | 84  | 81  | 84 | 81 | 79 | 77 |  |  |
| 3   | 96  | 87  | 81  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 79  | 75  | 71  | 76 | 73 | 70 | 68 |  |  |
| 4   | 89  | 79  | 72  | 66  | 86  | 77  | 71  | 65  | 75  | 69  | 64  | 72  | 67  | 63  | 70 | 66 | 62 | 60 |  |  |
| 5   | 83  | 72  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 64 | 59 | 56 | 54 |  |  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 59 | 54 | 50 | 48 |  |  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 54 | 49 | 45 | 43 |  |  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 46  | 41  | 50 | 45 | 41 | 39 |  |  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 46 | 41 | 37 | 36 |  |  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 43 | 38 | 34 | 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°    | 1392.5  | 4.5       |
| 10°-20°   | 4072.6  | 13.2      |
| 20°-30°   | 6364.3  | 20.6      |
| 30°-40°   | 7651.7  | 24.8      |
| 40°-50°   | 5985.8  | 19.4      |
| 50°-60°   | 2908.5  | 9.4       |
| 60°-70°   | 1019.1  | 3.3       |
| 70°-80°   | 349.3   | 1.1       |
| 80°-90°   | 187.1   | 0.6       |
| 90°-100°  | 288.0   | 0.9       |
| 100°-110° | 308.5   | 1.0       |
| 110°-120° | 150.6   | 0.5       |
| 120°-130° | 61.9    | 0.2       |
| 130°-140° | 43.1    | 0.1       |
| 140°-150° | 36.1    | 0.1       |
| 150°-160° | 25.3    | 0.1       |
| 160°-170° | 12.8    | 0.0       |
| 170°-180° | 3.5     | 0.0       |
| 0°-30°    | 11829.4 | 38.3      |
| 0°-40°    | 19481.1 | 63.1      |
| 0°-60°    | 28375.4 | 91.9      |
| 0°-90°    | 29930.9 | 97.0      |
| 90°-120°  | 747.1   | 2.4       |
| 90°-150°  | 888.2   | 2.9       |
| 90°-180°  | 930.0   | 3.0       |
| 0°-180°   | 30860.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 14634 |      |
| 5°   | 14614 | ###  |
| 15°  | 14411 | 4073 |
| 25°  | 13801 | 6364 |
| 35°  | 12518 | 7652 |
| 45°  | 7808  | 5986 |
| 55°  | 3216  | 2909 |
| 65°  | 1007  | 1019 |
| 75°  | 322   | 349  |
| 85°  | 156   | 141  |
| 90°  | 178   | 101  |
| 95°  | 270   | 233  |
| 105° | 300   | 308  |
| 115° | 147   | 151  |
| 125° | 66    | 62   |
| 135° | 56    | 43   |
| 145° | 58    | 36   |
| 155° | 55    | 25   |
| 165° | 45    | 13   |
| 175° | 35    | 3    |
| 180° | 33    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 14634.4 |
| 2.5°   | 14620.5 |
| 5°     | 14613.5 |
| 7.5°   | 14586.7 |
| 10°    | 14536.1 |
| 12.5°  | 14469.5 |
| 15°    | 14411.0 |
| 17.5°  | 14310.7 |
| 20°    | 14160.7 |
| 22.5°  | 13986.0 |
| 25°    | 13801.3 |
| 27.5°  | 13579.9 |
| 30°    | 13299.9 |
| 32.5°  | 12956.4 |
| 35°    | 12517.5 |
| 37.5°  | 11577.2 |
| 40°    | 10476.1 |
| 42.5°  | 9207.2  |
| 45°    | 7808.2  |
| 47.5°  | 6399.2  |
| 50°    | 5123.4  |
| 52.5°  | 4081.8  |
| 55°    | 3216.0  |
| 57.5°  | 2400.8  |
| 60°    | 1676.0  |
| 62.5°  | 1366.2  |
| 65°    | 1006.8  |
| 67.5°  | 685.1   |
| 70°    | 485.5   |
| 72.5°  | 384.3   |
| 75°    | 321.7   |
| 77.5°  | 268.1   |
| 80°    | 215.5   |
| 82.5°  | 176.7   |
| 85°    | 155.9   |
| 87.5°  | 156.9   |
| 90°    | 177.7   |
| 92.5°  | 221.4   |
| 95°    | 270.1   |
| 97.5°  | 310.8   |
| 100°   | 330.6   |
| 102.5° | 323.7   |
| 105°   | 299.9   |
| 107.5° | 264.1   |
| 110°   | 223.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 182.7 |
| 115°   | 146.9 |
| 117.5° | 116.2 |
| 120°   | 92.3  |
| 122.5° | 76.5  |
| 125°   | 65.5  |
| 127.5° | 58.6  |
| 130°   | 55.6  |
| 132.5° | 54.6  |
| 135°   | 55.6  |
| 137.5° | 56.6  |
| 140°   | 56.6  |
| 142.5° | 57.6  |
| 145°   | 57.6  |
| 147.5° | 57.6  |
| 150°   | 57.6  |
| 152.5° | 56.6  |
| 155°   | 54.6  |
| 157.5° | 52.6  |
| 160°   | 50.6  |
| 162.5° | 47.7  |
| 165°   | 44.7  |
| 167.5° | 41.7  |
| 170°   | 38.7  |
| 172.5° | 36.7  |
| 175°   | 34.8  |
| 177.5° | 33.8  |
| 180°   | 32.8  |

(END OF REPORT)