

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: P1505562

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K\_L36\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505562  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)  
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-B-06-CLER-PS (6500K\_L36\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

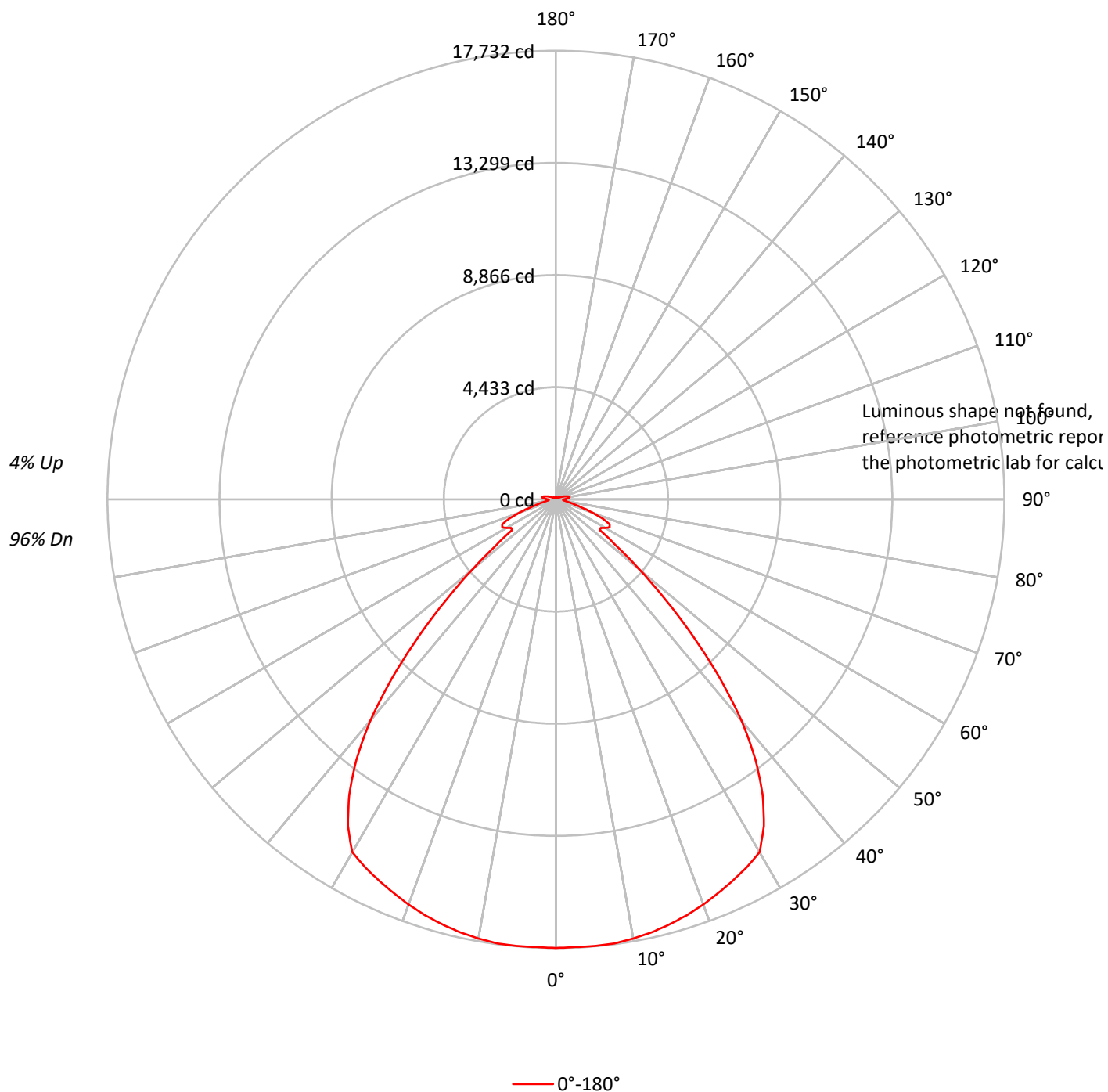
Lumens per Lamp: N/A  
Luminaire Lumens: 36222.9 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24  
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 239.6  
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   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 |    |    | 96 |
| 1   | 110 | 106 | 103 | 100 | 107 | 104 | 100 | 98  | 99  | 96  | 94  | 94  | 92  | 90  | 90 | 88 | 87 |    |    | 85 |
| 2   | 102 | 95  | 90  | 85  | 99  | 93  | 88  | 84  | 89  | 85  | 81  | 85  | 82  | 79  | 82 | 79 | 77 |    |    | 75 |
| 3   | 95  | 86  | 79  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 78  | 73  | 70  | 75 | 71 | 68 |    |    | 66 |
| 4   | 88  | 78  | 71  | 65  | 86  | 76  | 70  | 64  | 74  | 68  | 63  | 71  | 66  | 62  | 68 | 64 | 61 |    |    | 59 |
| 5   | 82  | 71  | 63  | 58  | 80  | 70  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 55  | 63 | 58 | 54 |    |    | 52 |
| 6   | 76  | 65  | 57  | 52  | 74  | 64  | 57  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 58 | 53 | 49 |    |    | 47 |
| 7   | 71  | 60  | 52  | 47  | 70  | 59  | 51  | 46  | 57  | 50  | 46  | 55  | 49  | 45  | 53 | 48 | 44 |    |    | 43 |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 50 | 44 | 41 |    |    | 39 |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 47  | 42  | 37  | 46 | 41 | 37 |    |    | 35 |
| 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°    | 1688.8  | 4.7       |
| 10°-20°   | 4914.2  | 13.6      |
| 20°-30°   | 7666.8  | 21.2      |
| 30°-40°   | 8780.6  | 24.2      |
| 40°-50°   | 5934.8  | 16.4      |
| 50°-60°   | 2336.5  | 6.5       |
| 60°-70°   | 2142.5  | 5.9       |
| 70°-80°   | 878.8   | 2.4       |
| 80°-90°   | 336.6   | 0.9       |
| 90°-100°  | 504.2   | 1.4       |
| 100°-110° | 482.7   | 1.3       |
| 110°-120° | 232.1   | 0.6       |
| 120°-130° | 106.9   | 0.3       |
| 130°-140° | 82.1    | 0.2       |
| 140°-150° | 62.8    | 0.2       |
| 150°-160° | 41.9    | 0.1       |
| 160°-170° | 23.5    | 0.1       |
| 170°-180° | 7.2     | 0.0       |
| 0°-30°    | 14269.8 | 39.4      |
| 0°-40°    | 23050.4 | 63.6      |
| 0°-60°    | 31321.8 | 86.5      |
| 0°-90°    | 34679.6 | 95.7      |
| 90°-120°  | 1219.0  | 3.4       |
| 90°-150°  | 1470.8  | 4.1       |
| 90°-180°  | 1543.0  | 4.3       |
| 0°-180°   | 36222.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 17732 |      |
| 5°   | 17722 | ###  |
| 15°  | 17384 | 4914 |
| 25°  | 16600 | 7667 |
| 35°  | 14250 | 8781 |
| 45°  | 7691  | 5935 |
| 55°  | 2125  | 2337 |
| 65°  | 2343  | 2142 |
| 75°  | 752   | 879  |
| 85°  | 280   | 254  |
| 90°  | 320   | 180  |
| 95°  | 480   | 406  |
| 105° | 460   | 483  |
| 115° | 225   | 232  |
| 125° | 114   | 107  |
| 135° | 107   | 82   |
| 145° | 100   | 63   |
| 155° | 90    | 42   |
| 165° | 82    | 24   |
| 175° | 76    | 7    |
| 180° | 76    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 17731.9 |
| 2.5°   | 17710.8 |
| 5°     | 17722.5 |
| 7.5°   | 17702.6 |
| 10°    | 17621.8 |
| 12.5°  | 17521.0 |
| 15°    | 17383.9 |
| 17.5°  | 17228.1 |
| 20°    | 17038.3 |
| 22.5°  | 16819.2 |
| 25°    | 16600.1 |
| 27.5°  | 16373.9 |
| 30°    | 16100.9 |
| 32.5°  | 15303.0 |
| 35°    | 14249.7 |
| 37.5°  | 12958.5 |
| 40°    | 11424.8 |
| 42.5°  | 9602.9  |
| 45°    | 7690.8  |
| 47.5°  | 5899.3  |
| 50°    | 4287.1  |
| 52.5°  | 3001.8  |
| 55°    | 2125.4  |
| 57.5°  | 2094.9  |
| 60°    | 2254.3  |
| 62.5°  | 2391.4  |
| 65°    | 2343.3  |
| 67.5°  | 2018.8  |
| 70°    | 1541.9  |
| 72.5°  | 1079.1  |
| 75°    | 752.2   |
| 77.5°  | 539.0   |
| 80°    | 396.0   |
| 82.5°  | 314.0   |
| 85°    | 280.0   |
| 87.5°  | 282.4   |
| 90°    | 319.9   |
| 92.5°  | 394.8   |
| 95°    | 480.4   |
| 97.5°  | 539.0   |
| 100°   | 550.7   |
| 102.5° | 517.9   |
| 105°   | 460.5   |
| 107.5° | 399.5   |
| 110°   | 337.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 278.9 |
| 115°   | 225.0 |
| 117.5° | 182.8 |
| 120°   | 150.0 |
| 122.5° | 127.7 |
| 125°   | 113.7 |
| 127.5° | 106.6 |
| 130°   | 104.3 |
| 132.5° | 104.3 |
| 135°   | 106.6 |
| 137.5° | 107.8 |
| 140°   | 106.6 |
| 142.5° | 103.1 |
| 145°   | 99.6  |
| 147.5° | 96.1  |
| 150°   | 93.7  |
| 152.5° | 91.4  |
| 155°   | 90.2  |
| 157.5° | 89.0  |
| 160°   | 87.9  |
| 162.5° | 85.5  |
| 165°   | 82.0  |
| 167.5° | 79.7  |
| 170°   | 76.2  |
| 172.5° | 73.8  |
| 175°   | 76.2  |
| 177.5° | 76.2  |
| 180°   | 76.2  |

(END OF REPORT)