

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: P1505533

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K\_L36\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505533  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)  
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 (3500K\_L36\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

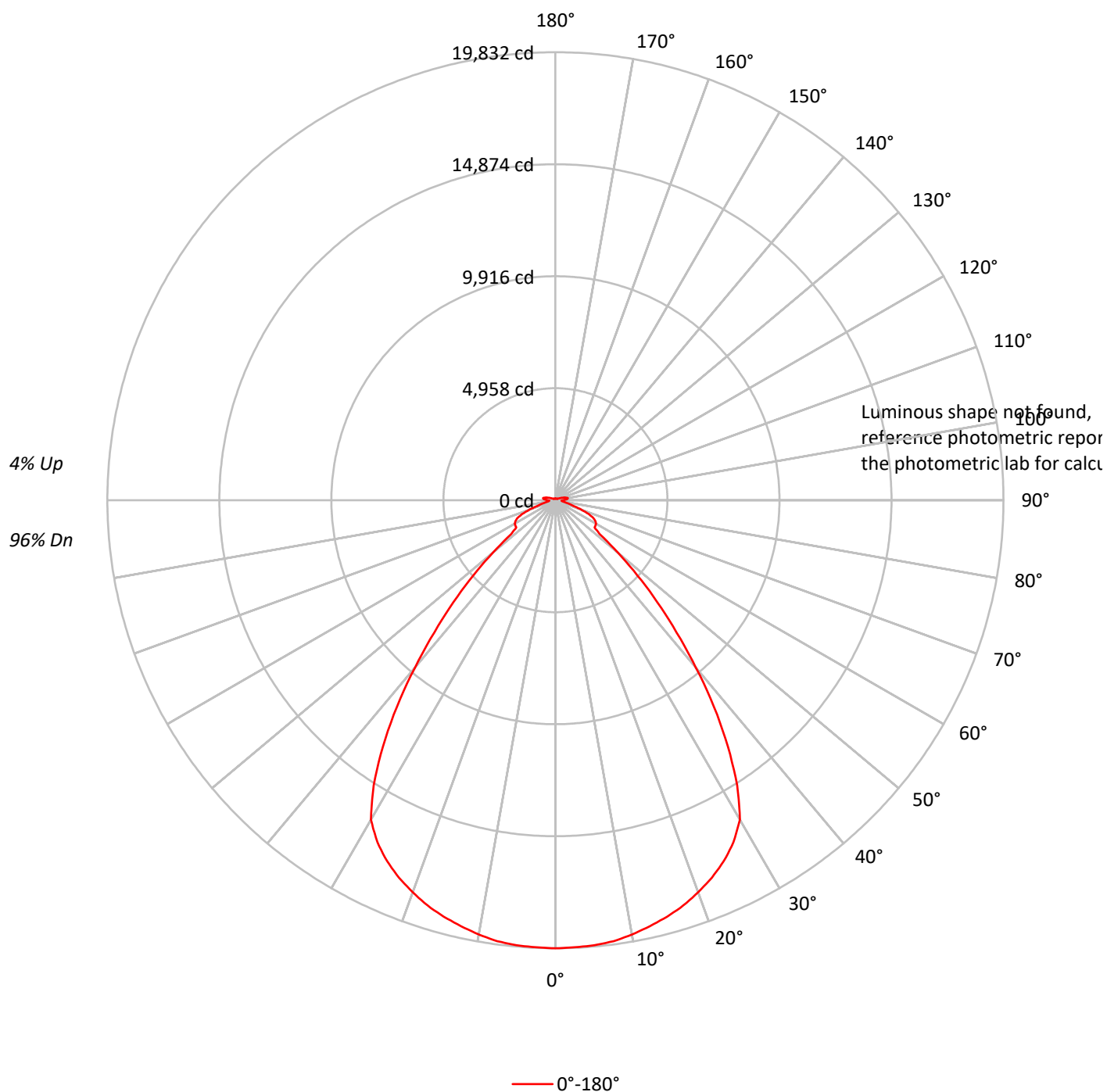
Lumens per Lamp: N/A  
Luminaire Lumens: 34936.6 lumens  
Efficiency: N/A  
Efficacy: 148.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14  
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 235.4  
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 |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |    |    |    |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 |  | 109 | 109 | 109 |  | 103 | 103 | 103 |  | 98 | 98 | 98 |
| 1   | 110 | 107 | 103 | 100 | 107 | 104 | 101 | 98  |  | 99  | 97  | 94  |  | 95  | 93  | 91  |  | 90 | 89 | 87 |
| 2   | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  |  | 90  | 86  | 83  |  | 86  | 83  | 80  |  | 83 | 80 | 78 |
| 3   | 96  | 87  | 81  | 76  | 93  | 85  | 80  | 75  |  | 82  | 77  | 73  |  | 79  | 75  | 71  |  | 76 | 73 | 70 |
| 4   | 89  | 79  | 72  | 67  | 87  | 78  | 71  | 66  |  | 75  | 69  | 65  |  | 72  | 68  | 64  |  | 70 | 66 | 62 |
| 5   | 83  | 73  | 65  | 60  | 81  | 71  | 64  | 59  |  | 69  | 63  | 58  |  | 67  | 61  | 57  |  | 64 | 60 | 56 |
| 6   | 78  | 67  | 59  | 54  | 76  | 66  | 59  | 53  |  | 63  | 57  | 53  |  | 62  | 56  | 52  |  | 60 | 55 | 51 |
| 7   | 73  | 61  | 54  | 49  | 71  | 60  | 53  | 49  |  | 59  | 52  | 48  |  | 57  | 51  | 47  |  | 55 | 51 | 47 |
| 8   | 68  | 57  | 50  | 45  | 67  | 56  | 49  | 44  |  | 54  | 48  | 44  |  | 53  | 47  | 43  |  | 52 | 47 | 43 |
| 9   | 64  | 53  | 46  | 41  | 63  | 52  | 45  | 41  |  | 51  | 45  | 40  |  | 49  | 44  | 40  |  | 48 | 43 | 39 |
| 10  | 61  | 49  | 42  | 38  | 59  | 48  | 42  | 37  |  | 47  | 41  | 37  |  | 46  | 41  | 37  |  | 45 | 40 | 36 |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1879.9  | 5.4       |
| 10°-20°   | 5385.6  | 15.4      |
| 20°-30°   | 8093.6  | 23.2      |
| 30°-40°   | 8213.8  | 23.5      |
| 40°-50°   | 4942.7  | 14.1      |
| 50°-60°   | 2125.2  | 6.1       |
| 60°-70°   | 1745.8  | 5.0       |
| 70°-80°   | 717.2   | 2.1       |
| 80°-90°   | 324.6   | 0.9       |
| 90°-100°  | 520.3   | 1.5       |
| 100°-110° | 473.1   | 1.4       |
| 110°-120° | 220.0   | 0.6       |
| 120°-130° | 97.8    | 0.3       |
| 130°-140° | 73.7    | 0.2       |
| 140°-150° | 56.6    | 0.2       |
| 150°-160° | 38.4    | 0.1       |
| 160°-170° | 21.7    | 0.1       |
| 170°-180° | 6.5     | 0.0       |
| 0°-30°    | 15359.1 | 44.0      |
| 0°-40°    | 23572.8 | 67.5      |
| 0°-60°    | 30640.7 | 87.7      |
| 0°-90°    | 33428.3 | 95.7      |
| 90°-120°  | 1213.5  | 3.5       |
| 90°-150°  | 1441.6  | 4.1       |
| 90°-180°  | 1508.0  | 4.3       |
| 0°-180°   | 34936.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 19832 |      |
| 5°   | 19776 | ###  |
| 15°  | 19086 | 5386 |
| 25°  | 17631 | 8094 |
| 35°  | 13318 | 8214 |
| 45°  | 6374  | 4943 |
| 55°  | 2113  | 2125 |
| 65°  | 1848  | 1746 |
| 75°  | 618   | 717  |
| 85°  | 271   | 240  |
| 90°  | 334   | 188  |
| 95°  | 499   | 418  |
| 105° | 450   | 473  |
| 115° | 213   | 220  |
| 125° | 104   | 98   |
| 135° | 95    | 74   |
| 145° | 90    | 57   |
| 155° | 82    | 38   |
| 165° | 77    | 22   |
| 175° | 69    | 7    |
| 180° | 70    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 19832.5 |
| 2.5°   | 19809.2 |
| 5°     | 19775.5 |
| 7.5°   | 19688.3 |
| 10°    | 19523.3 |
| 12.5°  | 19310.5 |
| 15°    | 19086.2 |
| 17.5°  | 18814.2 |
| 20°    | 18466.6 |
| 22.5°  | 18087.6 |
| 25°    | 17630.8 |
| 27.5°  | 17070.5 |
| 30°    | 16332.3 |
| 32.5°  | 14973.4 |
| 35°    | 13318.1 |
| 37.5°  | 11529.1 |
| 40°    | 9678.5  |
| 42.5°  | 7926.7  |
| 45°    | 6373.7  |
| 47.5°  | 4926.4  |
| 50°    | 3587.3  |
| 52.5°  | 2478.3  |
| 55°    | 2113.3  |
| 57.5°  | 2100.5  |
| 60°    | 2072.6  |
| 62.5°  | 1991.3  |
| 65°    | 1848.3  |
| 67.5°  | 1573.9  |
| 70°    | 1213.6  |
| 72.5°  | 868.3   |
| 75°    | 618.4   |
| 77.5°  | 455.7   |
| 80°    | 349.9   |
| 82.5°  | 290.6   |
| 85°    | 270.8   |
| 87.5°  | 287.1   |
| 90°    | 333.6   |
| 92.5°  | 415.0   |
| 95°    | 498.7   |
| 97.5°  | 551.0   |
| 100°   | 554.5   |
| 102.5° | 510.3   |
| 105°   | 449.9   |
| 107.5° | 385.9   |
| 110°   | 324.3   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 266.2 |
| 115°   | 212.7 |
| 117.5° | 170.9 |
| 120°   | 139.5 |
| 122.5° | 117.4 |
| 125°   | 103.5 |
| 127.5° | 96.5  |
| 130°   | 94.2  |
| 132.5° | 94.2  |
| 135°   | 95.3  |
| 137.5° | 96.5  |
| 140°   | 95.3  |
| 142.5° | 93.0  |
| 145°   | 89.5  |
| 147.5° | 87.2  |
| 150°   | 84.9  |
| 152.5° | 83.7  |
| 155°   | 82.5  |
| 157.5° | 82.5  |
| 160°   | 81.4  |
| 162.5° | 79.0  |
| 165°   | 76.7  |
| 167.5° | 73.2  |
| 170°   | 69.7  |
| 172.5° | 67.4  |
| 175°   | 68.6  |
| 177.5° | 69.7  |
| 180°   | 69.7  |

(END OF REPORT)