

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: P1504990

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K\_L32\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504990  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)  
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 (3500K\_L32\_Medium\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

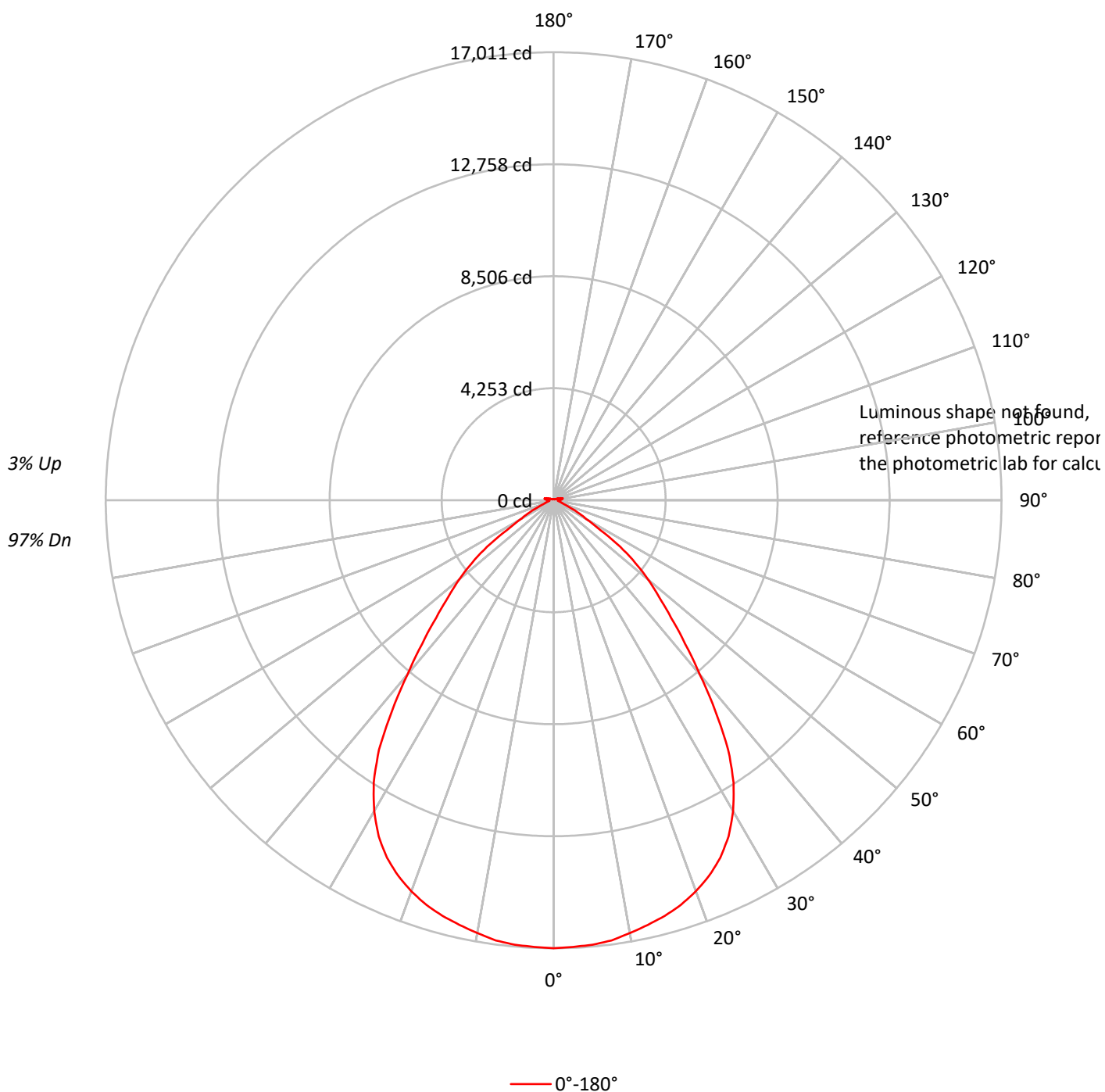
Lumens per Lamp: N/A  
Luminaire Lumens: 30071.4 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15  
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 196  
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  | 96  | 96  | 94  | 92  | 92 | 90 | 89 | 87 |  |  |
| 2   | 104 | 97  | 92  | 88  | 101 | 95  | 90  | 87  | 91  | 87  | 84  | 88  | 85  | 82  | 84 | 82 | 80 | 78 |  |  |
| 3   | 96  | 88  | 82  | 77  | 94  | 86  | 81  | 76  | 83  | 78  | 74  | 80  | 76  | 73  | 78 | 74 | 71 | 69 |  |  |
| 4   | 90  | 80  | 73  | 68  | 88  | 79  | 72  | 67  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 62 |  |  |
| 5   | 84  | 73  | 66  | 61  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 68  | 62  | 58  | 66 | 61 | 58 | 56 |  |  |
| 6   | 78  | 67  | 60  | 54  | 76  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 61 | 56 | 52 | 50 |  |  |
| 7   | 73  | 62  | 54  | 49  | 71  | 61  | 54  | 49  | 59  | 53  | 48  | 58  | 52  | 48  | 56 | 51 | 47 | 46 |  |  |
| 8   | 69  | 57  | 50  | 45  | 67  | 56  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 44  | 52 | 47 | 43 | 42 |  |  |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 45  | 41  | 51  | 45  | 40  | 50  | 44  | 40  | 49 | 43 | 40 | 38 |  |  |
| 10  | 61  | 49  | 42  | 38  | 59  | 49  | 42  | 37  | 47  | 41  | 37  | 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°    | 1609.5  | 5.4       |
| 10°-20°   | 4607.9  | 15.3      |
| 20°-30°   | 6858.2  | 22.8      |
| 30°-40°   | 7083.9  | 23.6      |
| 40°-50°   | 4950.2  | 16.5      |
| 50°-60°   | 2704.5  | 9.0       |
| 60°-70°   | 831.1   | 2.8       |
| 70°-80°   | 292.9   | 1.0       |
| 80°-90°   | 187.0   | 0.6       |
| 90°-100°  | 318.0   | 1.1       |
| 100°-110° | 318.9   | 1.1       |
| 110°-120° | 144.5   | 0.5       |
| 120°-130° | 56.6    | 0.2       |
| 130°-140° | 38.3    | 0.1       |
| 140°-150° | 32.2    | 0.1       |
| 150°-160° | 22.7    | 0.1       |
| 160°-170° | 11.7    | 0.0       |
| 170°-180° | 3.4     | 0.0       |
| 0°-30°    | 13075.5 | 43.5      |
| 0°-40°    | 20159.4 | 67.0      |
| 0°-60°    | 27814.1 | 92.5      |
| 0°-90°    | 29125.1 | 96.9      |
| 90°-120°  | 781.4   | 2.6       |
| 90°-150°  | 908.4   | 3.0       |
| 90°-180°  | 946.0   | 3.1       |
| 0°-180°   | 30071.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 17011 |      |
| 5°   | 16941 | ###  |
| 15°  | 16333 | 4608 |
| 25°  | 14977 | 6858 |
| 35°  | 11558 | 7084 |
| 45°  | 6307  | 4950 |
| 55°  | 3088  | 2705 |
| 65°  | 799   | 831  |
| 75°  | 273   | 293  |
| 85°  | 156   | 136  |
| 90°  | 200   | 112  |
| 95°  | 300   | 256  |
| 105° | 309   | 319  |
| 115° | 140   | 145  |
| 125° | 60    | 57   |
| 135° | 49    | 38   |
| 145° | 51    | 32   |
| 155° | 49    | 23   |
| 165° | 41    | 12   |
| 175° | 35    | 3    |
| 180° | 35    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 17011 |
| 2.5°   | 16975 |
| 5°     | 16941 |
| 7.5°   | 16857 |
| 10°    | 16688 |
| 12.5°  | 16515 |
| 15°    | 16333 |
| 17.5°  | 16104 |
| 20°    | 15802 |
| 22.5°  | 15431 |
| 25°    | 14977 |
| 27.5°  | 14389 |
| 30°    | 13637 |
| 32.5°  | 12718 |
| 35°    | 11558 |
| 37.5°  | 10087 |
| 40°    | 8643  |
| 42.5°  | 7394  |
| 45°    | 6307  |
| 47.5°  | 5414  |
| 50°    | 4695  |
| 52.5°  | 3913  |
| 55°    | 3088  |
| 57.5°  | 2115  |
| 60°    | 1448  |
| 62.5°  | 1128  |
| 65°    | 799   |
| 67.5°  | 534   |
| 70°    | 385   |
| 72.5°  | 315   |
| 75°    | 273   |
| 77.5°  | 233   |
| 80°    | 193   |
| 82.5°  | 164   |
| 85°    | 156   |
| 87.5°  | 169   |
| 90°    | 200   |
| 92.5°  | 250   |
| 95°    | 300   |
| 97.5°  | 339   |
| 100°   | 355   |
| 102.5° | 341   |
| 105°   | 309   |
| 107.5° | 266   |
| 110°   | 220   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°  |
|--------|-----|
| 112.5° | 177 |
| 115°   | 140 |
| 117.5° | 109 |
| 120°   | 86  |
| 122.5° | 70  |
| 125°   | 60  |
| 127.5° | 53  |
| 130°   | 50  |
| 132.5° | 49  |
| 135°   | 49  |
| 137.5° | 50  |
| 140°   | 50  |
| 142.5° | 51  |
| 145°   | 51  |
| 147.5° | 52  |
| 150°   | 52  |
| 152.5° | 51  |
| 155°   | 49  |
| 157.5° | 47  |
| 160°   | 45  |
| 162.5° | 43  |
| 165°   | 41  |
| 167.5° | 39  |
| 170°   | 37  |
| 172.5° | 36  |
| 175°   | 35  |
| 177.5° | 35  |
| 180°   | 35  |

(END OF REPORT)