

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: P1505373

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K\_L36\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505373  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: Pentalux  
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K\_L36\_Wide\_120V)  
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

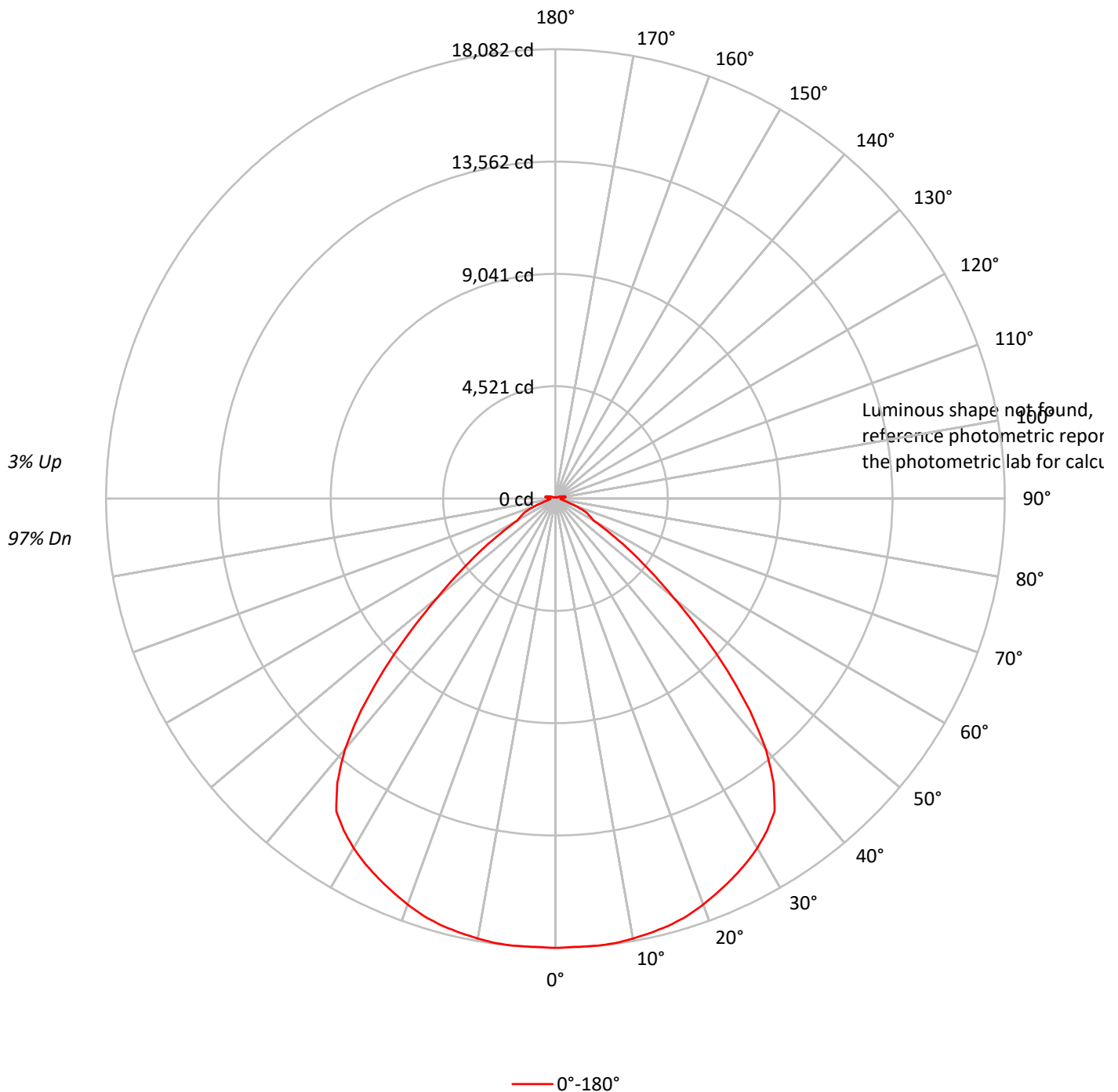
Lumens per Lamp: N/A  
Luminaire Lumens: 38010.9 lumens  
Efficiency: N/A  
Efficacy: 162.9 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31  
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 233.3  
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





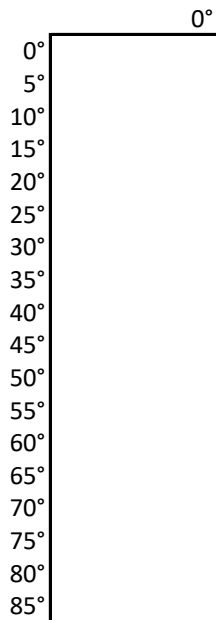
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|--|--|
| 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 | 50 | 30 | 10 |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |  |  |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |    |  |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 97  | 95  | 96  | 94  | 92  | 92 | 90 | 89 | 89 | 89 | 89 | 89 | 87 |    |  |  |
| 2   | 103 | 96  | 91  | 87  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 87  | 84  | 81  | 84 | 81 | 79 | 79 | 79 | 79 | 79 | 76 |    |  |  |
| 3   | 96  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 79  | 75  | 71  | 76 | 73 | 70 | 70 | 70 | 70 | 70 | 68 |    |  |  |
| 4   | 89  | 79  | 72  | 66  | 86  | 77  | 71  | 65  | 75  | 69  | 64  | 72  | 67  | 63  | 70 | 65 | 62 | 62 | 62 | 62 | 62 | 60 |    |  |  |
| 5   | 82  | 72  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 60  | 56  | 64 | 59 | 55 | 55 | 55 | 55 | 55 | 54 |    |  |  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 50  | 59 | 54 | 50 | 50 | 50 | 50 | 50 | 48 |    |  |  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 46  | 57  | 51  | 46  | 56  | 50  | 45  | 54 | 49 | 45 | 45 | 45 | 45 | 45 | 43 |    |  |  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 45  | 41  | 50 | 45 | 41 | 41 | 41 | 41 | 41 | 39 |    |  |  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 46 | 41 | 37 | 37 | 37 | 37 | 37 | 36 |    |  |  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 43 | 38 | 34 | 34 | 34 | 34 | 34 | 33 |    |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

TEST NUMBER: P1505373

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K\_L36\_Wide\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1722.5  | 4.5       |
| 10°-20°   | 5020.6  | 13.2      |
| 20°-30°   | 7781.8  | 20.5      |
| 30°-40°   | 9439.8  | 24.8      |
| 40°-50°   | 7459.8  | 19.6      |
| 50°-60°   | 3349.4  | 8.8       |
| 60°-70°   | 1351.9  | 3.6       |
| 70°-80°   | 502.9   | 1.3       |
| 80°-90°   | 238.4   | 0.6       |
| 90°-100°  | 379.6   | 1.0       |
| 100°-110° | 372.2   | 1.0       |
| 110°-120° | 174.8   | 0.5       |
| 120°-130° | 72.8    | 0.2       |
| 130°-140° | 52.1    | 0.1       |
| 140°-150° | 41.9    | 0.1       |
| 150°-160° | 29.1    | 0.1       |
| 160°-170° | 16.3    | 0.0       |
| 170°-180° | 5.1     | 0.0       |
| 0°-30°    | 14524.9 | 38.2      |
| 0°-40°    | 23964.6 | 63.0      |
| 0°-60°    | 34773.8 | 91.5      |
| 0°-90°    | 36866.9 | 97.0      |
| 90°-120°  | 926.7   | 2.4       |
| 90°-150°  | 1093.4  | 2.9       |
| 90°-180°  | 1144.0  | 3.0       |
| 0°-180°   | 38010.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 18082 |      |
| 5°   | 18074 | ###  |
| 15°  | 17777 | 5021 |
| 25°  | 16864 | 7782 |
| 35°  | 15372 | 9440 |
| 45°  | 9753  | 7460 |
| 55°  | 3668  | 3349 |
| 65°  | 1421  | 1352 |
| 75°  | 427   | 503  |
| 85°  | 199   | 178  |
| 90°  | 237   | 134  |
| 95°  | 362   | 306  |
| 105° | 359   | 372  |
| 115° | 170   | 175  |
| 125° | 77    | 73   |
| 135° | 67    | 52   |
| 145° | 66    | 42   |
| 155° | 62    | 29   |
| 165° | 57    | 16   |
| 175° | 54    | 5    |
| 180° | 55    |      |

TEST NUMBER: P1505373

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K\_L36\_Wide\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 18082.1 |
| 2.5°   | 18063.8 |
| 5°     | 18073.6 |
| 7.5°   | 18056.5 |
| 10°    | 17977.1 |
| 12.5°  | 17886.8 |
| 15°    | 17776.9 |
| 17.5°  | 17615.8 |
| 20°    | 17387.6 |
| 22.5°  | 17128.8 |
| 25°    | 16863.9 |
| 27.5°  | 16573.4 |
| 30°    | 16242.6 |
| 32.5°  | 15844.7 |
| 35°    | 15372.3 |
| 37.5°  | 14415.4 |
| 40°    | 13170.4 |
| 42.5°  | 11584.8 |
| 45°    | 9752.7  |
| 47.5°  | 7901.0  |
| 50°    | 6190.9  |
| 52.5°  | 4816.5  |
| 55°    | 3667.9  |
| 57.5°  | 2632.9  |
| 60°    | 1777.2  |
| 62.5°  | 1572.1  |
| 65°    | 1420.8  |
| 67.5°  | 1160.8  |
| 70°    | 855.6   |
| 72.5°  | 590.8   |
| 75°    | 427.2   |
| 77.5°  | 332.0   |
| 80°    | 263.7   |
| 82.5°  | 219.7   |
| 85°    | 199.0   |
| 87.5°  | 205.1   |
| 90°    | 236.8   |
| 92.5°  | 299.0   |
| 95°    | 362.5   |
| 97.5°  | 405.2   |
| 100°   | 415.0   |
| 102.5° | 395.5   |
| 105°   | 358.9   |
| 107.5° | 312.5   |
| 110°   | 261.2   |

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K\_L36\_Wide\_120V)

**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 213.6 |
| 115°   | 169.7 |
| 117.5° | 133.0 |
| 120°   | 107.4 |
| 122.5° | 89.1  |
| 125°   | 76.9  |
| 127.5° | 69.6  |
| 130°   | 67.1  |
| 132.5° | 65.9  |
| 135°   | 67.1  |
| 137.5° | 68.4  |
| 140°   | 68.4  |
| 142.5° | 68.4  |
| 145°   | 65.9  |
| 147.5° | 65.9  |
| 150°   | 64.7  |
| 152.5° | 63.5  |
| 155°   | 62.3  |
| 157.5° | 62.3  |
| 160°   | 61.0  |
| 162.5° | 59.8  |
| 165°   | 57.4  |
| 167.5° | 54.9  |
| 170°   | 52.5  |
| 172.5° | 52.5  |
| 175°   | 53.7  |
| 177.5° | 54.9  |
| 180°   | 54.9  |

(END OF REPORT)