

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: P1505025

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K\_L24\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505025  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)  
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-TRWH-PS (3000K\_L24\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

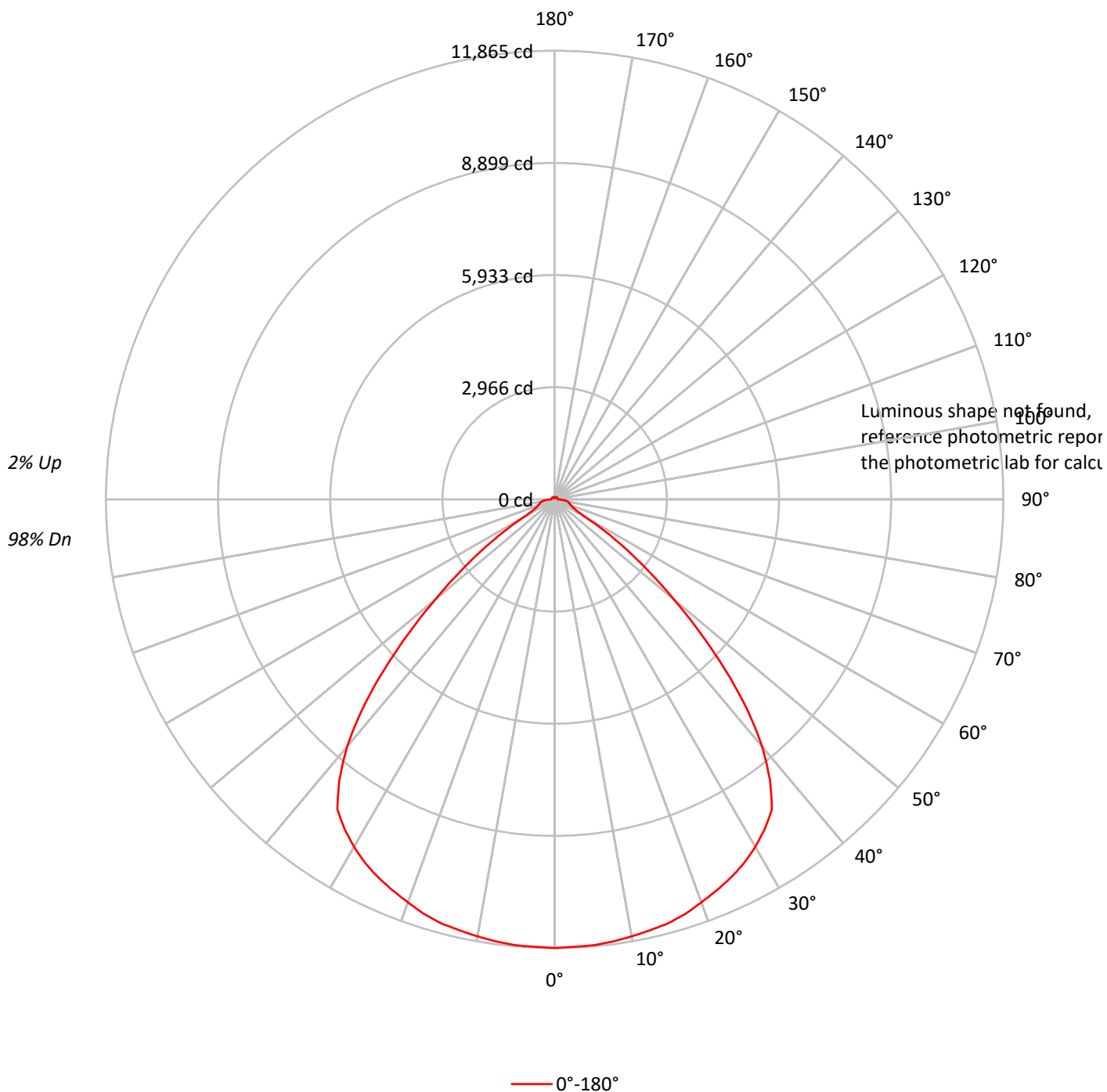
Lumens per Lamp: N/A  
Luminaire Lumens: 24416.1 lumens  
Efficiency: N/A  
Efficacy: 153.2 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3  
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 159.4  
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

TEST NUMBER: P1505025

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K\_L24\_Wide\_120V)

### Luminous Intensity Polar Plot



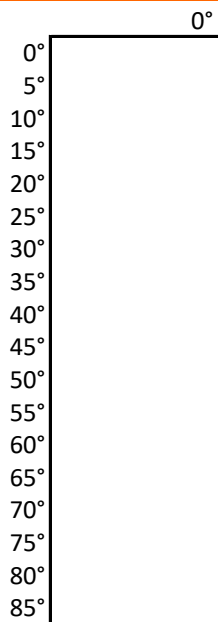
TEST NUMBER: P1505025

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K\_L24\_Wide\_120V)

**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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 |    |    | 98 |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 96  | 96  | 94  | 92  | 92  | 91  | 89  |    |    | 87 |
| 2   | 103 | 97  | 91  | 87  | 100 | 95  | 90  | 86  | 91  | 87  | 83  | 88  | 84  | 81  | 84  | 82  | 79  |    |    | 77 |
| 3   | 96  | 87  | 81  | 75  | 93  | 86  | 80  | 75  | 83  | 77  | 73  | 80  | 75  | 72  | 77  | 73  | 70  |    |    | 68 |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 75  | 69  | 65  | 73  | 68  | 64  | 70  | 66  | 63  |    |    | 61 |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 58  | 69  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 56  |    |    | 54 |
| 6   | 77  | 66  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 52  | 61  | 55  | 51  | 59  | 54  | 51  |    |    | 49 |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  |    |    | 44 |
| 8   | 67  | 55  | 48  | 43  | 66  | 55  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  |    |    | 40 |
| 9   | 63  | 51  | 44  | 39  | 62  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  |    |    | 36 |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 44  | 38  | 35  |    |    | 33 |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

TEST NUMBER: P1505025

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K\_L24\_Wide\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1126.4  | 4.6       |
| 10°-20°   | 3276.0  | 13.4      |
| 20°-30°   | 5086.9  | 20.8      |
| 30°-40°   | 6143.8  | 25.2      |
| 40°-50°   | 4883.9  | 20.0      |
| 50°-60°   | 2137.1  | 8.8       |
| 60°-70°   | 600.6   | 2.5       |
| 70°-80°   | 429.4   | 1.8       |
| 80°-90°   | 259.3   | 1.1       |
| 90°-100°  | 89.3    | 0.4       |
| 100°-110° | 86.3    | 0.4       |
| 110°-120° | 79.4    | 0.3       |
| 120°-130° | 68.9    | 0.3       |
| 130°-140° | 57.1    | 0.2       |
| 140°-150° | 45.5    | 0.2       |
| 150°-160° | 29.5    | 0.1       |
| 160°-170° | 13.3    | 0.1       |
| 170°-180° | 3.4     | 0.0       |
| 0°-30°    | 9489.3  | 38.9      |
| 0°-40°    | 15633.0 | 64.0      |
| 0°-60°    | 22654.0 | 92.8      |
| 0°-90°    | 23943.3 | 98.1      |
| 90°-120°  | 255.0   | 1.0       |
| 90°-150°  | 426.5   | 1.7       |
| 90°-180°  | 473.0   | 1.9       |
| 0°-180°   | 24416.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 11865 |      |
| 5°   | 11837 | ###  |
| 15°  | 11603 | 3276 |
| 25°  | 11034 | 5087 |
| 35°  | 10016 | 6144 |
| 45°  | 6386  | 4884 |
| 55°  | 2350  | 2137 |
| 65°  | 568   | 601  |
| 75°  | 408   | 429  |
| 85°  | 251   | 224  |
| 90°  | 87    | 58   |
| 95°  | 81    | 66   |
| 105° | 82    | 86   |
| 115° | 80    | 79   |
| 125° | 77    | 69   |
| 135° | 74    | 57   |
| 145° | 73    | 46   |
| 155° | 63    | 30   |
| 165° | 45    | 13   |
| 175° | 34    | 3    |
| 180° | 33    |      |

TEST NUMBER: P1505025

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K\_L24\_Wide\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 11865.0 |
| 2.5°   | 11843.1 |
| 5°     | 11836.7 |
| 7.5°   | 11794.6 |
| 10°    | 11733.2 |
| 12.5°  | 11670.1 |
| 15°    | 11603.0 |
| 17.5°  | 11494.6 |
| 20°    | 11340.2 |
| 22.5°  | 11191.4 |
| 25°    | 11033.7 |
| 27.5°  | 10844.5 |
| 30°    | 10608.4 |
| 32.5°  | 10336.7 |
| 35°    | 10015.7 |
| 37.5°  | 9351.0  |
| 40°    | 8539.9  |
| 42.5°  | 7539.6  |
| 45°    | 6385.7  |
| 47.5°  | 5219.7  |
| 50°    | 4112.7  |
| 52.5°  | 3169.0  |
| 55°    | 2349.9  |
| 57.5°  | 1606.7  |
| 60°    | 934.0   |
| 62.5°  | 676.0   |
| 65°    | 567.7   |
| 67.5°  | 495.7   |
| 70°    | 450.4   |
| 72.5°  | 427.8   |
| 75°    | 407.5   |
| 77.5°  | 387.3   |
| 80°    | 354.2   |
| 82.5°  | 310.5   |
| 85°    | 250.7   |
| 87.5°  | 169.8   |
| 90°    | 87.3    |
| 92.5°  | 80.1    |
| 95°    | 80.9    |
| 97.5°  | 81.7    |
| 100°   | 81.7    |
| 102.5° | 81.7    |
| 105°   | 81.7    |
| 107.5° | 81.7    |
| 110°   | 80.9    |

TEST NUMBER: P1505025

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K\_L24\_Wide\_120V)

**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 80.9 |
| 115°   | 80.1 |
| 117.5° | 79.2 |
| 120°   | 78.4 |
| 122.5° | 77.6 |
| 125°   | 76.8 |
| 127.5° | 76.0 |
| 130°   | 75.2 |
| 132.5° | 74.4 |
| 135°   | 73.6 |
| 137.5° | 72.8 |
| 140°   | 72.8 |
| 142.5° | 72.8 |
| 145°   | 72.8 |
| 147.5° | 72.0 |
| 150°   | 71.2 |
| 152.5° | 67.9 |
| 155°   | 63.1 |
| 157.5° | 59.0 |
| 160°   | 55.0 |
| 162.5° | 50.1 |
| 165°   | 45.3 |
| 167.5° | 42.9 |
| 170°   | 38.8 |
| 172.5° | 36.4 |
| 175°   | 34.0 |
| 177.5° | 33.2 |
| 180°   | 33.2 |

(END OF REPORT)