

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: P1505063

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K\_L32\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505063  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)  
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 (6500K\_L32\_Narrow\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC  
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

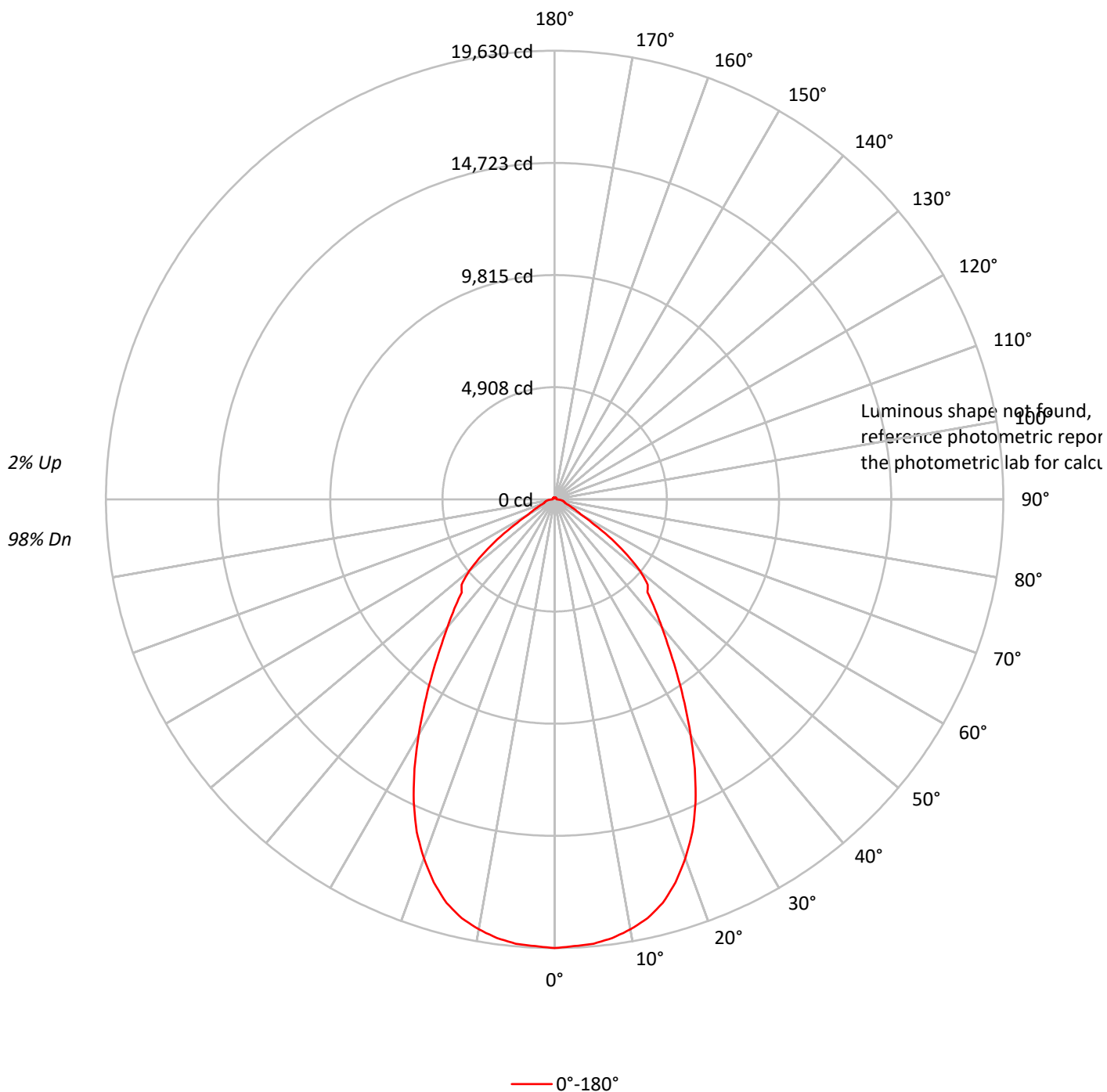
Lumens per Lamp: N/A  
Luminaire Lumens: 28875.6 lumens  
Efficiency: N/A  
Efficacy: 144.3 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 1.01  
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 200.1  
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





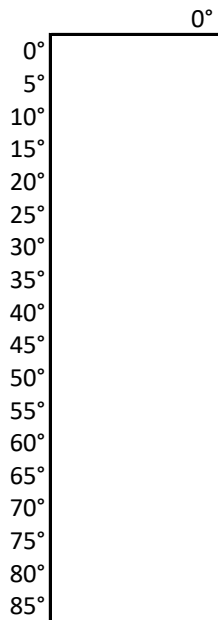
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|
| 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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |  |  |
| 1   | 111 | 108 | 104 | 101 | 108 | 105 | 102 | 100 | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 91  | 90  | 88 |  |  |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 85  | 82  | 85  | 83  | 80  | 78 |  |  |
| 3   | 97  | 89  | 82  | 77  | 94  | 87  | 81  | 76  | 84  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 72  | 70 |  |  |
| 4   | 90  | 81  | 74  | 68  | 88  | 79  | 73  | 68  | 77  | 71  | 67  | 75  | 70  | 66  | 72  | 68  | 65  | 63 |  |  |
| 5   | 84  | 74  | 67  | 61  | 82  | 73  | 66  | 61  | 71  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 59  | 57 |  |  |
| 6   | 79  | 68  | 61  | 55  | 77  | 67  | 60  | 55  | 65  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 52 |  |  |
| 7   | 74  | 63  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 58  | 53  | 49  | 47 |  |  |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 49  | 45  | 54  | 49  | 45  | 43 |  |  |
| 9   | 66  | 54  | 47  | 42  | 64  | 54  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  | 40 |  |  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 39  | 47  | 42  | 38  | 37 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1849.5  | 6.4       |
| 10°-20°   | 5105.7  | 17.7      |
| 20°-30°   | 6635.7  | 23.0      |
| 30°-40°   | 5862.0  | 20.3      |
| 40°-50°   | 4593.3  | 15.9      |
| 50°-60°   | 2723.2  | 9.4       |
| 60°-70°   | 866.8   | 3.0       |
| 70°-80°   | 461.7   | 1.6       |
| 80°-90°   | 253.5   | 0.9       |
| 90°-100°  | 96.2    | 0.3       |
| 100°-110° | 93.8    | 0.3       |
| 110°-120° | 86.7    | 0.3       |
| 120°-130° | 75.6    | 0.3       |
| 130°-140° | 63.3    | 0.2       |
| 140°-150° | 52.4    | 0.2       |
| 150°-160° | 34.9    | 0.1       |
| 160°-170° | 16.6    | 0.1       |
| 170°-180° | 4.5     | 0.0       |
| 0°-30°    | 13590.9 | 47.1      |
| 0°-40°    | 19452.9 | 67.4      |
| 0°-60°    | 26769.4 | 92.7      |
| 0°-90°    | 28351.5 | 98.2      |
| 90°-120°  | 276.8   | 1.0       |
| 90°-150°  | 468.0   | 1.6       |
| 90°-180°  | 524.0   | 1.8       |
| 0°-180°   | 28875.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 19630 |      |
| 5°   | 19514 | ###  |
| 15°  | 18283 | 5106 |
| 25°  | 14590 | 6636 |
| 35°  | 9326  | 5862 |
| 45°  | 5745  | 4593 |
| 55°  | 3068  | 2723 |
| 65°  | 844   | 867  |
| 75°  | 434   | 462  |
| 85°  | 236   | 219  |
| 90°  | 91    | 59   |
| 95°  | 88    | 72   |
| 105° | 89    | 94   |
| 115° | 88    | 87   |
| 125° | 85    | 76   |
| 135° | 82    | 63   |
| 145° | 84    | 52   |
| 155° | 74    | 35   |
| 165° | 57    | 17   |
| 175° | 46    | 5    |
| 180° | 46    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 19630.4 |
| 2.5°   | 19565.2 |
| 5°     | 19514.2 |
| 7.5°   | 19357.2 |
| 10°    | 19101.3 |
| 12.5°  | 18767.0 |
| 15°    | 18282.7 |
| 17.5°  | 17573.2 |
| 20°    | 16716.9 |
| 22.5°  | 15752.5 |
| 25°    | 14590.3 |
| 27.5°  | 13274.2 |
| 30°    | 11881.6 |
| 32.5°  | 10567.6 |
| 35°    | 9325.9  |
| 37.5°  | 8211.6  |
| 40°    | 7283.9  |
| 42.5°  | 6488.8  |
| 45°    | 5744.6  |
| 47.5°  | 5527.4  |
| 50°    | 4885.2  |
| 52.5°  | 4011.5  |
| 55°    | 3067.5  |
| 57.5°  | 2079.7  |
| 60°    | 1359.9  |
| 62.5°  | 1085.7  |
| 65°    | 844.1   |
| 67.5°  | 644.3   |
| 70°    | 522.0   |
| 72.5°  | 465.9   |
| 75°    | 434.3   |
| 77.5°  | 405.7   |
| 80°    | 361.9   |
| 82.5°  | 305.8   |
| 85°    | 236.5   |
| 87.5°  | 162.1   |
| 90°    | 90.7    |
| 92.5°  | 86.7    |
| 95°    | 87.7    |
| 97.5°  | 88.7    |
| 100°   | 88.7    |
| 102.5° | 88.7    |
| 105°   | 88.7    |
| 107.5° | 88.7    |
| 110°   | 88.7    |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 87.7 |
| 115°   | 87.7 |
| 117.5° | 86.7 |
| 120°   | 85.6 |
| 122.5° | 84.6 |
| 125°   | 84.6 |
| 127.5° | 83.6 |
| 130°   | 82.6 |
| 132.5° | 81.6 |
| 135°   | 81.6 |
| 137.5° | 81.6 |
| 140°   | 81.6 |
| 142.5° | 82.6 |
| 145°   | 83.6 |
| 147.5° | 84.6 |
| 150°   | 84.6 |
| 152.5° | 79.5 |
| 155°   | 74.4 |
| 157.5° | 70.3 |
| 160°   | 66.3 |
| 162.5° | 61.2 |
| 165°   | 57.1 |
| 167.5° | 54.0 |
| 170°   | 51.0 |
| 172.5° | 47.9 |
| 175°   | 45.9 |
| 177.5° | 44.9 |
| 180°   | 45.9 |

(END OF REPORT)