

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: P1505176

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K\_L24\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505176  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)  
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-06-CLER-PS (4000K\_L24\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

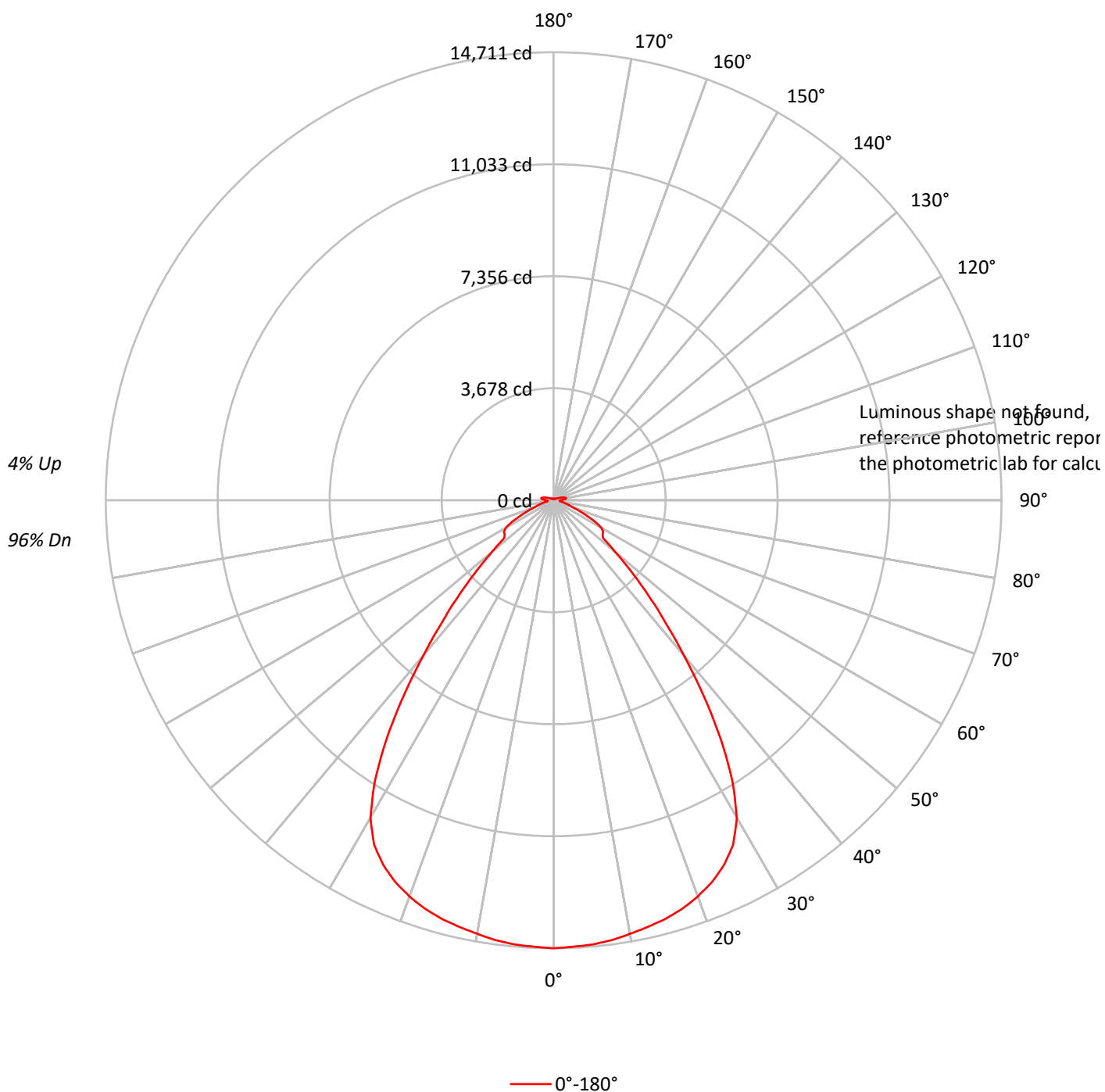
Lumens per Lamp: N/A  
Luminaire Lumens: 25569.4 lumens  
Efficiency: N/A  
Efficacy: 164.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12  
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 155.7  
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



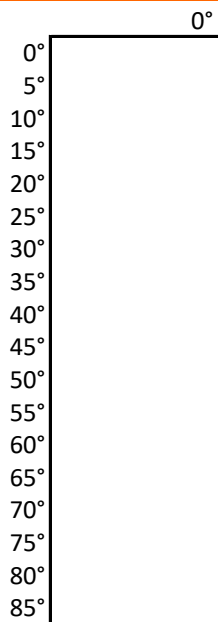
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| 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 | 101 | 107 | 104 | 101 | 98  | 99  | 97  | 95  | 95  | 93  | 91  | 90 | 89 | 88 |
| 2   | 103 | 96  | 91  | 87  | 100 | 94  | 89  | 85  | 90  | 86  | 83  | 86  | 83  | 80  | 83 | 80 | 78 |
| 3   | 96  | 87  | 81  | 76  | 93  | 86  | 80  | 75  | 82  | 77  | 73  | 79  | 75  | 71  | 76 | 73 | 70 |
| 4   | 89  | 80  | 73  | 67  | 87  | 78  | 72  | 67  | 75  | 70  | 65  | 73  | 68  | 64  | 70 | 66 | 63 |
| 5   | 83  | 73  | 65  | 60  | 81  | 72  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 58  | 65 | 60 | 57 |
| 6   | 78  | 67  | 59  | 54  | 76  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 56  | 52  | 60 | 55 | 52 |
| 7   | 73  | 62  | 54  | 49  | 71  | 61  | 54  | 49  | 59  | 53  | 48  | 57  | 52  | 48  | 56 | 51 | 47 |
| 8   | 69  | 57  | 50  | 45  | 67  | 56  | 49  | 45  | 55  | 48  | 44  | 53  | 48  | 44  | 52 | 47 | 43 |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 40  | 50  | 44  | 40  | 48 | 43 | 40 |
| 10  | 61  | 49  | 42  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 37  | 46  | 41  | 37  | 45 | 40 | 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°    | 1391.8  | 5.4       |
| 10°-20°   | 4015.5  | 15.7      |
| 20°-30°   | 6051.7  | 23.7      |
| 30°-40°   | 5887.3  | 23.0      |
| 40°-50°   | 3410.3  | 13.3      |
| 50°-60°   | 1825.9  | 7.1       |
| 60°-70°   | 1197.4  | 4.7       |
| 70°-80°   | 442.9   | 1.7       |
| 80°-90°   | 228.8   | 0.9       |
| 90°-100°  | 377.2   | 1.5       |
| 100°-110° | 358.9   | 1.4       |
| 110°-120° | 165.9   | 0.6       |
| 120°-130° | 73.5    | 0.3       |
| 130°-140° | 53.8    | 0.2       |
| 140°-150° | 41.7    | 0.2       |
| 150°-160° | 28.4    | 0.1       |
| 160°-170° | 14.4    | 0.1       |
| 170°-180° | 3.9     | 0.0       |
| 0°-30°    | 11459.0 | 44.8      |
| 0°-40°    | 17346.3 | 67.8      |
| 0°-60°    | 22582.5 | 88.3      |
| 0°-90°    | 24451.6 | 95.6      |
| 90°-120°  | 902.0   | 3.5       |
| 90°-150°  | 1071.0  | 4.2       |
| 90°-180°  | 1118.0  | 4.4       |
| 0°-180°   | 25569.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 14711 |      |
| 5°   | 14643 | ###  |
| 15°  | 14226 | 4016 |
| 25°  | 13226 | 6052 |
| 35°  | 9559  | 5887 |
| 45°  | 4358  | 3410 |
| 55°  | 1963  | 1826 |
| 65°  | 1195  | 1197 |
| 75°  | 406   | 443  |
| 85°  | 191   | 167  |
| 90°  | 242   | 135  |
| 95°  | 357   | 303  |
| 105° | 343   | 359  |
| 115° | 161   | 166  |
| 125° | 78    | 73   |
| 135° | 70    | 54   |
| 145° | 66    | 42   |
| 155° | 62    | 28   |
| 165° | 50    | 14   |
| 175° | 40    | 4    |
| 180° | 39    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 14711.4 |
| 2.5°   | 14673.6 |
| 5°     | 14642.7 |
| 7.5°   | 14569.6 |
| 10°    | 14456.9 |
| 12.5°  | 14343.4 |
| 15°    | 14225.6 |
| 17.5°  | 14064.9 |
| 20°    | 13842.2 |
| 22.5°  | 13577.3 |
| 25°    | 13226.5 |
| 27.5°  | 12759.7 |
| 30°    | 12032.3 |
| 32.5°  | 10929.1 |
| 35°    | 9558.6  |
| 37.5°  | 8086.6  |
| 40°    | 6649.8  |
| 42.5°  | 5408.2  |
| 45°    | 4358.4  |
| 47.5°  | 3422.1  |
| 50°    | 2637.9  |
| 52.5°  | 2043.8  |
| 55°    | 1963.0  |
| 57.5°  | 1932.9  |
| 60°    | 1809.9  |
| 62.5°  | 1537.3  |
| 65°    | 1195.1  |
| 67.5°  | 887.3   |
| 70°    | 662.9   |
| 72.5°  | 515.9   |
| 75°    | 405.8   |
| 77.5°  | 307.8   |
| 80°    | 239.9   |
| 82.5°  | 201.2   |
| 85°    | 190.9   |
| 87.5°  | 205.5   |
| 90°    | 242.5   |
| 92.5°  | 297.5   |
| 95°    | 356.8   |
| 97.5°  | 402.4   |
| 100°   | 411.9   |
| 102.5° | 386.1   |
| 105°   | 343.1   |
| 107.5° | 295.8   |
| 110°   | 246.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 200.3 |
| 115°   | 160.8 |
| 117.5° | 128.1 |
| 120°   | 104.9 |
| 122.5° | 88.6  |
| 125°   | 78.2  |
| 127.5° | 72.2  |
| 130°   | 69.6  |
| 132.5° | 69.6  |
| 135°   | 69.6  |
| 137.5° | 69.6  |
| 140°   | 68.8  |
| 142.5° | 67.1  |
| 145°   | 66.2  |
| 147.5° | 65.3  |
| 150°   | 64.5  |
| 152.5° | 62.8  |
| 155°   | 61.9  |
| 157.5° | 59.3  |
| 160°   | 56.7  |
| 162.5° | 53.3  |
| 165°   | 49.9  |
| 167.5° | 46.4  |
| 170°   | 43.9  |
| 172.5° | 41.3  |
| 175°   | 39.6  |
| 177.5° | 37.8  |
| 180°   | 38.7  |

(END OF REPORT)