

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: P1505540

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K\_L32\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505540  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)  
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-B-06-CLER-PS (4000K\_L32\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

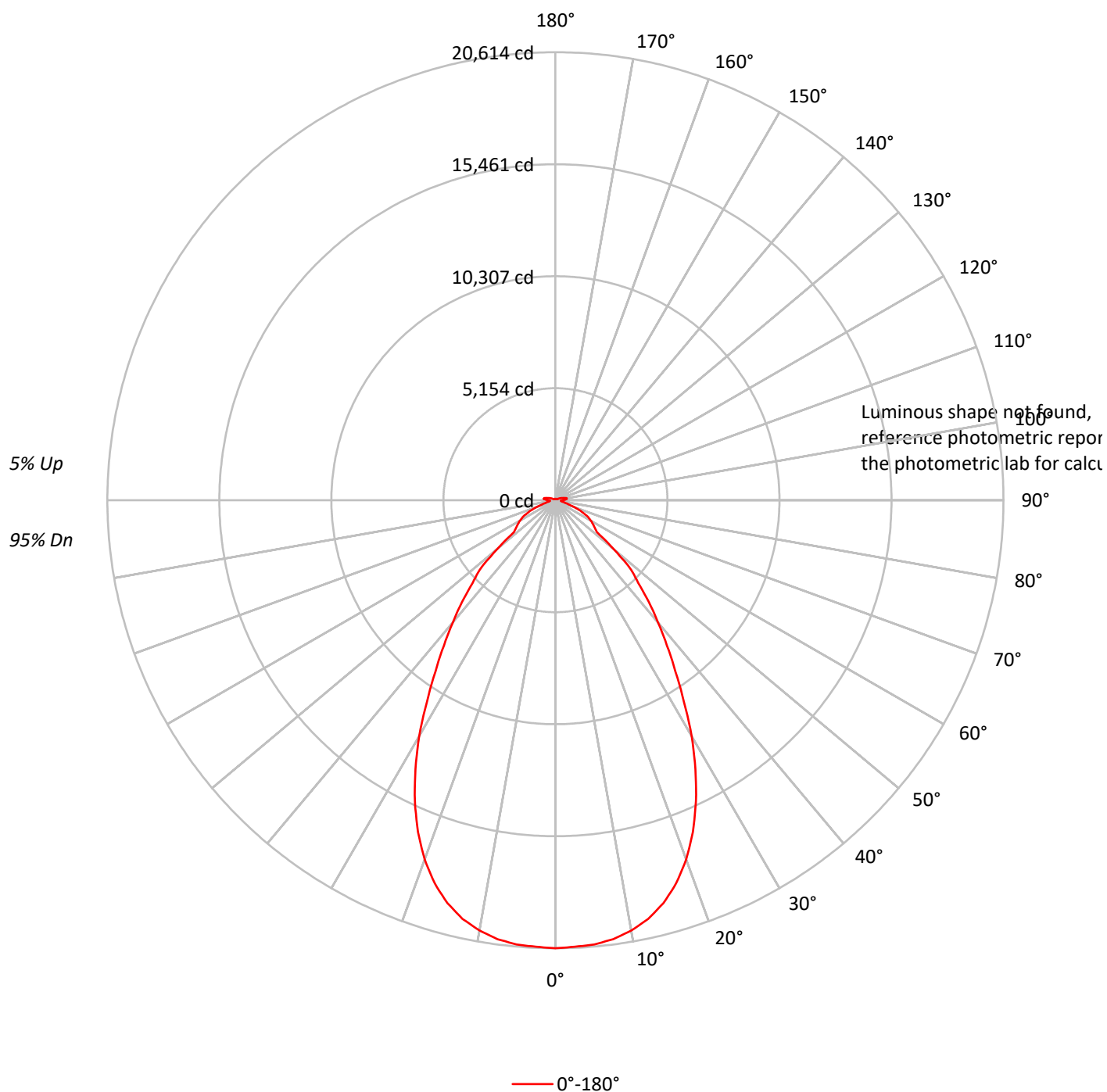
Lumens per Lamp: N/A  
Luminaire Lumens: 30281.8 lumens  
Efficiency: N/A  
Efficacy: 155.9 lumens/watt  
Spacing Criteria (0/90/45): 1/1/2001  
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 194.3  
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





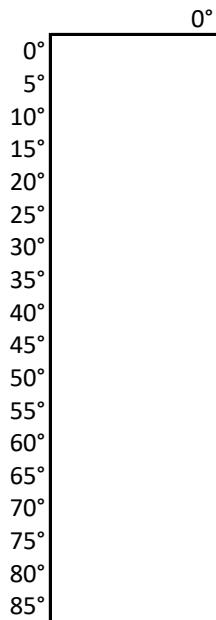
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|--|
| 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 | 0  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 95 |  |  |
| 1   | 110 | 107 | 103 | 101 | 107 | 104 | 101 | 99  | 99  | 97  | 95  | 95  | 93  | 91  | 90 | 89 | 88 | 85 |  |  |
| 2   | 103 | 97  | 91  | 87  | 100 | 94  | 90  | 86  | 90  | 86  | 83  | 87  | 83  | 81  | 83 | 80 | 78 | 76 |  |  |
| 3   | 96  | 88  | 81  | 76  | 93  | 86  | 80  | 75  | 83  | 78  | 74  | 79  | 75  | 72  | 76 | 73 | 70 | 68 |  |  |
| 4   | 90  | 80  | 73  | 68  | 87  | 79  | 72  | 67  | 76  | 70  | 66  | 73  | 68  | 65  | 70 | 67 | 63 | 61 |  |  |
| 5   | 84  | 73  | 66  | 61  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 67  | 62  | 58  | 65 | 61 | 57 | 55 |  |  |
| 6   | 79  | 68  | 60  | 55  | 77  | 67  | 60  | 55  | 64  | 58  | 54  | 62  | 57  | 53  | 61 | 56 | 52 | 51 |  |  |
| 7   | 74  | 63  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 56 | 52 | 48 | 46 |  |  |
| 8   | 69  | 58  | 51  | 46  | 68  | 57  | 50  | 46  | 56  | 50  | 45  | 54  | 49  | 45  | 53 | 48 | 44 | 43 |  |  |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 49 | 45 | 41 | 39 |  |  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 46 | 42 | 38 | 36 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1945.4  | 6.4       |
| 10°-20°   | 5367.2  | 17.7      |
| 20°-30°   | 6969.8  | 23.0      |
| 30°-40°   | 6061.6  | 20.0      |
| 40°-50°   | 4198.4  | 13.9      |
| 50°-60°   | 2081.8  | 6.9       |
| 60°-70°   | 1423.8  | 4.7       |
| 70°-80°   | 546.6   | 1.8       |
| 80°-90°   | 296.0   | 1.0       |
| 90°-100°  | 509.6   | 1.7       |
| 100°-110° | 442.2   | 1.5       |
| 110°-120° | 194.6   | 0.6       |
| 120°-130° | 82.8    | 0.3       |
| 130°-140° | 60.1    | 0.2       |
| 140°-150° | 46.3    | 0.2       |
| 150°-160° | 31.9    | 0.1       |
| 160°-170° | 18.1    | 0.1       |
| 170°-180° | 5.6     | 0.0       |
| 0°-30°    | 14282.3 | 47.2      |
| 0°-40°    | 20343.9 | 67.2      |
| 0°-60°    | 26624.1 | 87.9      |
| 0°-90°    | 28890.5 | 95.4      |
| 90°-120°  | 1146.4  | 3.8       |
| 90°-150°  | 1335.6  | 4.4       |
| 90°-180°  | 1391.0  | 4.6       |
| 0°-180°   | 30281.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 20614 |      |
| 5°   | 20517 | ###  |
| 15°  | 19192 | 5367 |
| 25°  | 15297 | 6970 |
| 35°  | 9625  | 6062 |
| 45°  | 5375  | 4198 |
| 55°  | 2207  | 2082 |
| 65°  | 1469  | 1424 |
| 75°  | 474   | 547  |
| 85°  | 249   | 212  |
| 90°  | 334   | 186  |
| 95°  | 490   | 407  |
| 105° | 419   | 442  |
| 115° | 187   | 195  |
| 125° | 88    | 83   |
| 135° | 78    | 60   |
| 145° | 73    | 46   |
| 155° | 69    | 32   |
| 165° | 64    | 18   |
| 175° | 60    | 6    |
| 180° | 60    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 20613.8 |
| 2.5°   | 20563.7 |
| 5°     | 20516.6 |
| 7.5°   | 20369.2 |
| 10°    | 20102.6 |
| 12.5°  | 19729.4 |
| 15°    | 19192.1 |
| 17.5°  | 18482.3 |
| 20°    | 17584.3 |
| 22.5°  | 16519.1 |
| 25°    | 15297.0 |
| 27.5°  | 13951.6 |
| 30°    | 12533.0 |
| 32.5°  | 11001.6 |
| 35°    | 9624.8  |
| 37.5°  | 8427.8  |
| 40°    | 7357.4  |
| 42.5°  | 6361.1  |
| 45°    | 5375.3  |
| 47.5°  | 4729.3  |
| 50°    | 3476.9  |
| 52.5°  | 2397.1  |
| 55°    | 2206.8  |
| 57.5°  | 2045.8  |
| 60°    | 1882.7  |
| 62.5°  | 1701.9  |
| 65°    | 1468.8  |
| 67.5°  | 1197.0  |
| 70°    | 907.4   |
| 72.5°  | 649.2   |
| 75°    | 473.6   |
| 77.5°  | 357.5   |
| 80°    | 283.3   |
| 82.5°  | 249.8   |
| 85°    | 248.8   |
| 87.5°  | 278.1   |
| 90°    | 333.5   |
| 92.5°  | 412.9   |
| 95°    | 490.3   |
| 97.5°  | 534.2   |
| 100°   | 530.0   |
| 102.5° | 481.9   |
| 105°   | 419.2   |
| 107.5° | 355.4   |
| 110°   | 293.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 237.3 |
| 115°   | 187.1 |
| 117.5° | 148.4 |
| 120°   | 120.2 |
| 122.5° | 100.4 |
| 125°   | 87.8  |
| 127.5° | 80.5  |
| 130°   | 77.4  |
| 132.5° | 76.3  |
| 135°   | 78.4  |
| 137.5° | 78.4  |
| 140°   | 77.4  |
| 142.5° | 76.3  |
| 145°   | 73.2  |
| 147.5° | 71.1  |
| 150°   | 70.0  |
| 152.5° | 69.0  |
| 155°   | 69.0  |
| 157.5° | 69.0  |
| 160°   | 67.9  |
| 162.5° | 65.9  |
| 165°   | 63.8  |
| 167.5° | 60.6  |
| 170°   | 58.5  |
| 172.5° | 57.5  |
| 175°   | 59.6  |
| 177.5° | 59.6  |
| 180°   | 59.6  |

(END OF REPORT)