

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: P1505523

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K\_L32\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505523  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)  
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 (3000K\_L32\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

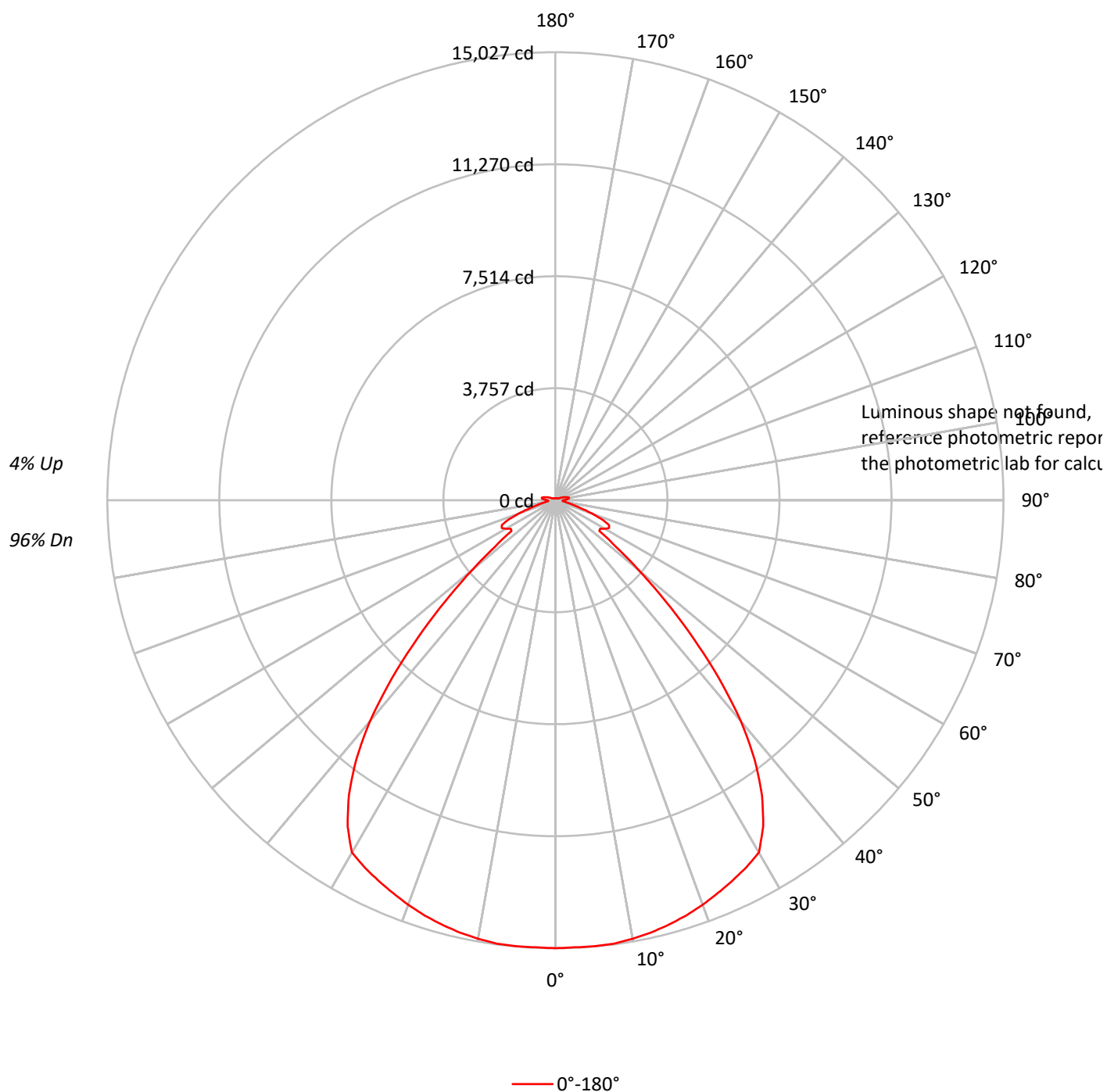
Lumens per Lamp: N/A  
Luminaire Lumens: 30696.5 lumens  
Efficiency: N/A  
Efficacy: 153.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24  
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 199.4  
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

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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 | 96 |  |  |
| 1   | 110 | 106 | 103 | 100 | 107 | 104 | 100 | 98  | 99  | 96  | 94  | 94  | 92  | 90  | 90 | 88 | 87 | 85 |  |  |
| 2   | 102 | 95  | 90  | 85  | 99  | 93  | 88  | 84  | 89  | 85  | 81  | 85  | 82  | 79  | 82 | 79 | 77 | 75 |  |  |
| 3   | 95  | 86  | 79  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 78  | 73  | 70  | 75 | 71 | 68 | 66 |  |  |
| 4   | 88  | 78  | 71  | 65  | 86  | 76  | 70  | 64  | 74  | 68  | 63  | 71  | 66  | 62  | 68 | 64 | 61 | 59 |  |  |
| 5   | 82  | 71  | 63  | 58  | 80  | 70  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 55  | 63 | 58 | 54 | 52 |  |  |
| 6   | 76  | 65  | 57  | 52  | 74  | 64  | 57  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 58 | 53 | 49 | 47 |  |  |
| 7   | 71  | 60  | 52  | 47  | 70  | 59  | 51  | 46  | 57  | 50  | 46  | 55  | 49  | 45  | 53 | 48 | 44 | 43 |  |  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 50 | 44 | 41 | 39 |  |  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 47  | 42  | 37  | 46 | 41 | 37 | 35 |  |  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 43 | 38 | 34 | 33 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1431.1  | 4.7       |
| 10°-20°   | 4164.4  | 13.6      |
| 20°-30°   | 6497.1  | 21.2      |
| 30°-40°   | 7441.0  | 24.2      |
| 40°-50°   | 5029.4  | 16.4      |
| 50°-60°   | 1980.0  | 6.5       |
| 60°-70°   | 1815.6  | 5.9       |
| 70°-80°   | 744.7   | 2.4       |
| 80°-90°   | 285.2   | 0.9       |
| 90°-100°  | 427.2   | 1.4       |
| 100°-110° | 409.1   | 1.3       |
| 110°-120° | 196.6   | 0.6       |
| 120°-130° | 90.6    | 0.3       |
| 130°-140° | 69.6    | 0.2       |
| 140°-150° | 53.2    | 0.2       |
| 150°-160° | 35.5    | 0.1       |
| 160°-170° | 19.9    | 0.1       |
| 170°-180° | 6.1     | 0.0       |
| 0°-30°    | 12092.7 | 39.4      |
| 0°-40°    | 19533.6 | 63.6      |
| 0°-60°    | 26543.1 | 86.5      |
| 0°-90°    | 29388.5 | 95.7      |
| 90°-120°  | 1033.0  | 3.4       |
| 90°-150°  | 1246.4  | 4.1       |
| 90°-180°  | 1308.0  | 4.3       |
| 0°-180°   | 30696.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 15027 |      |
| 5°   | 15019 | ###  |
| 15°  | 14732 | 4164 |
| 25°  | 14067 | 6497 |
| 35°  | 12076 | 7441 |
| 45°  | 6517  | 5029 |
| 55°  | 1801  | 1980 |
| 65°  | 1986  | 1816 |
| 75°  | 637   | 745  |
| 85°  | 237   | 215  |
| 90°  | 271   | 153  |
| 95°  | 407   | 344  |
| 105° | 390   | 409  |
| 115° | 191   | 197  |
| 125° | 96    | 91   |
| 135° | 90    | 70   |
| 145° | 84    | 53   |
| 155° | 76    | 36   |
| 165° | 70    | 20   |
| 175° | 64    | 6    |
| 180° | 64    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 15026.6 |
| 2.5°   | 15008.7 |
| 5°     | 15018.6 |
| 7.5°   | 15001.7 |
| 10°    | 14933.2 |
| 12.5°  | 14847.8 |
| 15°    | 14731.7 |
| 17.5°  | 14599.6 |
| 20°    | 14438.8 |
| 22.5°  | 14253.1 |
| 25°    | 14067.4 |
| 27.5°  | 13875.8 |
| 30°    | 13644.4 |
| 32.5°  | 12968.3 |
| 35°    | 12075.7 |
| 37.5°  | 10981.5 |
| 40°    | 9681.8  |
| 42.5°  | 8137.8  |
| 45°    | 6517.4  |
| 47.5°  | 4999.3  |
| 50°    | 3633.0  |
| 52.5°  | 2543.8  |
| 55°    | 1801.1  |
| 57.5°  | 1775.3  |
| 60°    | 1910.3  |
| 62.5°  | 2026.5  |
| 65°    | 1985.8  |
| 67.5°  | 1710.8  |
| 70°    | 1306.7  |
| 72.5°  | 914.5   |
| 75°    | 637.4   |
| 77.5°  | 456.7   |
| 80°    | 335.6   |
| 82.5°  | 266.1   |
| 85°    | 237.3   |
| 87.5°  | 239.3   |
| 90°    | 271.1   |
| 92.5°  | 334.6   |
| 95°    | 407.1   |
| 97.5°  | 456.7   |
| 100°   | 466.7   |
| 102.5° | 438.9   |
| 105°   | 390.2   |
| 107.5° | 338.6   |
| 110°   | 286.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 236.3 |
| 115°   | 190.6 |
| 117.5° | 154.9 |
| 120°   | 127.1 |
| 122.5° | 108.2 |
| 125°   | 96.3  |
| 127.5° | 90.4  |
| 130°   | 88.4  |
| 132.5° | 88.4  |
| 135°   | 90.4  |
| 137.5° | 91.3  |
| 140°   | 90.4  |
| 142.5° | 87.4  |
| 145°   | 84.4  |
| 147.5° | 81.4  |
| 150°   | 79.4  |
| 152.5° | 77.4  |
| 155°   | 76.5  |
| 157.5° | 75.5  |
| 160°   | 74.5  |
| 162.5° | 72.5  |
| 165°   | 69.5  |
| 167.5° | 67.5  |
| 170°   | 64.5  |
| 172.5° | 62.6  |
| 175°   | 64.5  |
| 177.5° | 64.5  |
| 180°   | 64.5  |

(END OF REPORT)