

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: P1505342

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K\_L32\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505342  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)  
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-04-CLER-PS (3000K\_L32\_Narrow\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

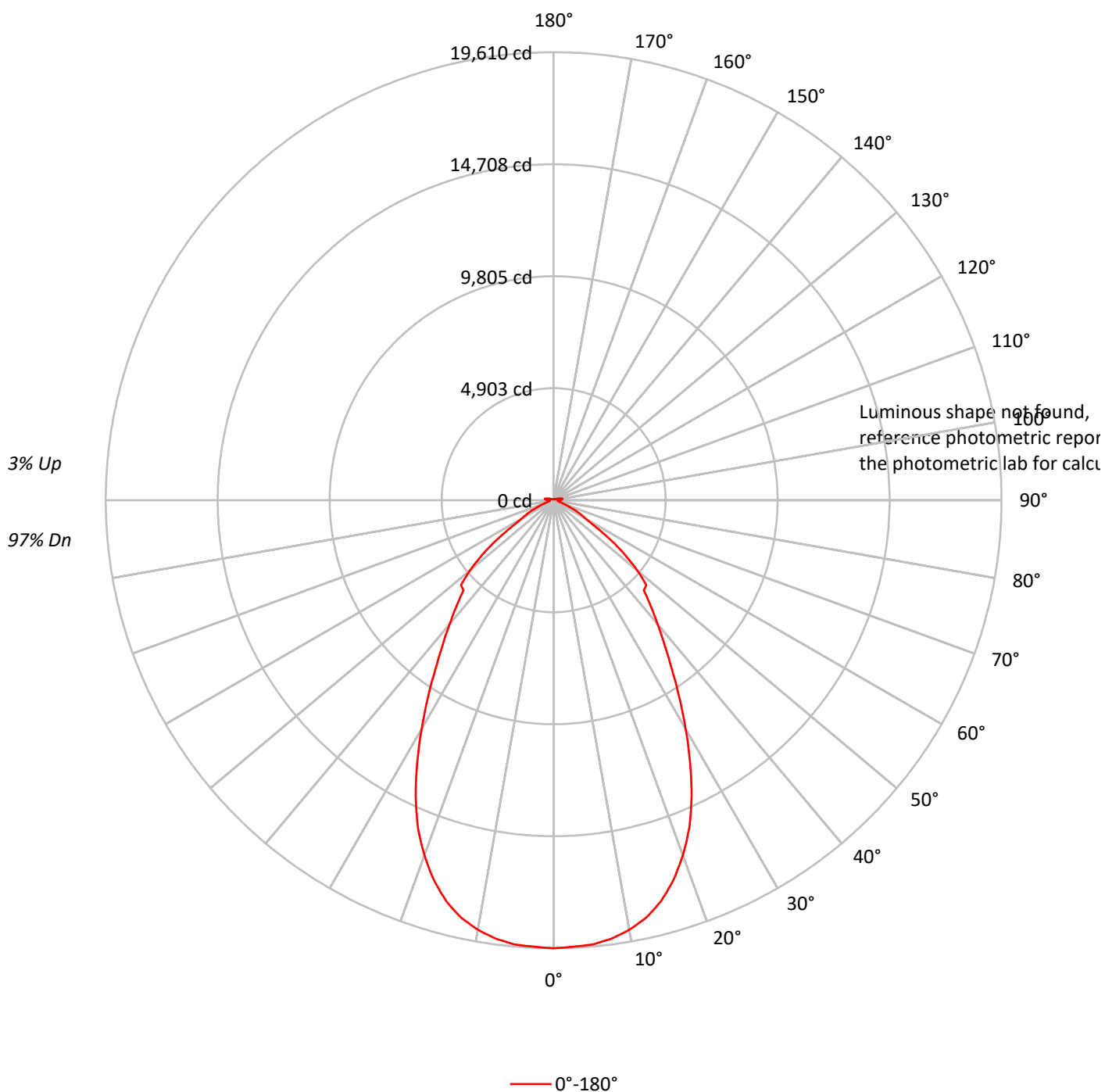
Lumens per Lamp: N/A  
Luminaire Lumens: 28892.7 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99  
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')  
CIE Type: Direct

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 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |  |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 96  | 96  | 94  | 92  | 92 | 90 | 89 | 87 |  |  |
| 2   | 103 | 97  | 92  | 88  | 101 | 95  | 90  | 86  | 91  | 87  | 84  | 88  | 84  | 82  | 84 | 82 | 79 | 77 |  |  |
| 3   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 76  | 83  | 78  | 74  | 80  | 76  | 73  | 77 | 74 | 71 | 69 |  |  |
| 4   | 90  | 80  | 73  | 68  | 88  | 79  | 73  | 68  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 62 |  |  |
| 5   | 84  | 74  | 66  | 61  | 82  | 72  | 66  | 61  | 70  | 64  | 60  | 68  | 63  | 59  | 66 | 61 | 58 | 56 |  |  |
| 6   | 79  | 68  | 60  | 55  | 77  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 57  | 53  | 61 | 56 | 53 | 51 |  |  |
| 7   | 74  | 62  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 57 | 52 | 48 | 46 |  |  |
| 8   | 69  | 58  | 51  | 46  | 68  | 57  | 50  | 46  | 56  | 49  | 45  | 54  | 49  | 45  | 53 | 48 | 44 | 43 |  |  |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 49 | 45 | 41 | 39 |  |  |
| 10  | 62  | 50  | 43  | 39  | 60  | 50  | 43  | 39  | 49  | 43  | 38  | 47  | 42  | 38  | 46 | 41 | 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°    | 1849.4  | 6.4       |
| 10°-20°   | 5075.6  | 17.6      |
| 20°-30°   | 6504.8  | 22.5      |
| 30°-40°   | 5683.6  | 19.7      |
| 40°-50°   | 4491.1  | 15.5      |
| 50°-60°   | 2764.9  | 9.6       |
| 60°-70°   | 1019.9  | 3.5       |
| 70°-80°   | 304.2   | 1.1       |
| 80°-90°   | 209.1   | 0.7       |
| 90°-100°  | 377.2   | 1.3       |
| 100°-110° | 327.6   | 1.1       |
| 110°-120° | 133.9   | 0.5       |
| 120°-130° | 50.8    | 0.2       |
| 130°-140° | 35.0    | 0.1       |
| 140°-150° | 28.6    | 0.1       |
| 150°-160° | 20.8    | 0.1       |
| 160°-170° | 12.2    | 0.0       |
| 170°-180° | 4.1     | 0.0       |
| 0°-30°    | 13429.7 | 46.5      |
| 0°-40°    | 19113.3 | 66.2      |
| 0°-60°    | 26369.3 | 91.3      |
| 0°-90°    | 27902.5 | 96.6      |
| 90°-120°  | 838.7   | 2.9       |
| 90°-150°  | 953.1   | 3.3       |
| 90°-180°  | 990.0   | 3.4       |
| 0°-180°   | 28892.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 19610 |      |
| 5°   | 19520 | ###  |
| 15°  | 18172 | 5076 |
| 25°  | 14293 | 6505 |
| 35°  | 9012  | 5684 |
| 45°  | 5580  | 4491 |
| 55°  | 3100  | 2765 |
| 65°  | 1033  | 1020 |
| 75°  | 263   | 304  |
| 85°  | 175   | 147  |
| 90°  | 249   | 139  |
| 95°  | 363   | 301  |
| 105° | 315   | 328  |
| 115° | 127   | 134  |
| 125° | 54    | 51   |
| 135° | 45    | 35   |
| 145° | 46    | 29   |
| 155° | 45    | 21   |
| 165° | 43    | 12   |
| 175° | 44    | 4    |
| 180° | 46    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 19609.8 |
| 2.5°   | 19563.1 |
| 5°     | 19520.4 |
| 7.5°   | 19356.6 |
| 10°    | 19093.5 |
| 12.5°  | 18713.2 |
| 15°    | 18172.1 |
| 17.5°  | 17435.3 |
| 20°    | 16546.7 |
| 22.5°  | 15520.0 |
| 25°    | 14292.8 |
| 27.5°  | 12938.5 |
| 30°    | 11560.3 |
| 32.5°  | 10235.8 |
| 35°    | 9011.6  |
| 37.5°  | 7974.0  |
| 40°    | 7078.4  |
| 42.5°  | 6296.0  |
| 45°    | 5580.1  |
| 47.5°  | 5499.7  |
| 50°    | 4783.8  |
| 52.5°  | 3960.7  |
| 55°    | 3099.8  |
| 57.5°  | 2197.3  |
| 60°    | 1608.5  |
| 62.5°  | 1342.4  |
| 65°    | 1032.6  |
| 67.5°  | 719.9   |
| 70°    | 481.6   |
| 72.5°  | 336.6   |
| 75°    | 263.1   |
| 77.5°  | 220.4   |
| 80°    | 186.7   |
| 82.5°  | 170.8   |
| 85°    | 174.8   |
| 87.5°  | 202.6   |
| 90°    | 249.2   |
| 92.5°  | 309.8   |
| 95°    | 363.4   |
| 97.5°  | 392.2   |
| 100°   | 387.2   |
| 102.5° | 357.4   |
| 105°   | 314.7   |
| 107.5° | 264.1   |
| 110°   | 212.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 165.8 |
| 115°   | 127.1 |
| 117.5° | 98.3  |
| 120°   | 77.4  |
| 122.5° | 62.6  |
| 125°   | 53.6  |
| 127.5° | 47.7  |
| 130°   | 45.7  |
| 132.5° | 44.7  |
| 135°   | 44.7  |
| 137.5° | 45.7  |
| 140°   | 45.7  |
| 142.5° | 45.7  |
| 145°   | 45.7  |
| 147.5° | 44.7  |
| 150°   | 45.7  |
| 152.5° | 44.7  |
| 155°   | 44.7  |
| 157.5° | 44.7  |
| 160°   | 44.7  |
| 162.5° | 43.7  |
| 165°   | 42.7  |
| 167.5° | 42.7  |
| 170°   | 41.7  |
| 172.5° | 42.7  |
| 175°   | 43.7  |
| 177.5° | 45.7  |
| 180°   | 45.7  |

(END OF REPORT)