

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: P1505183

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K\_L36\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505183  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)  
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\_L36\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

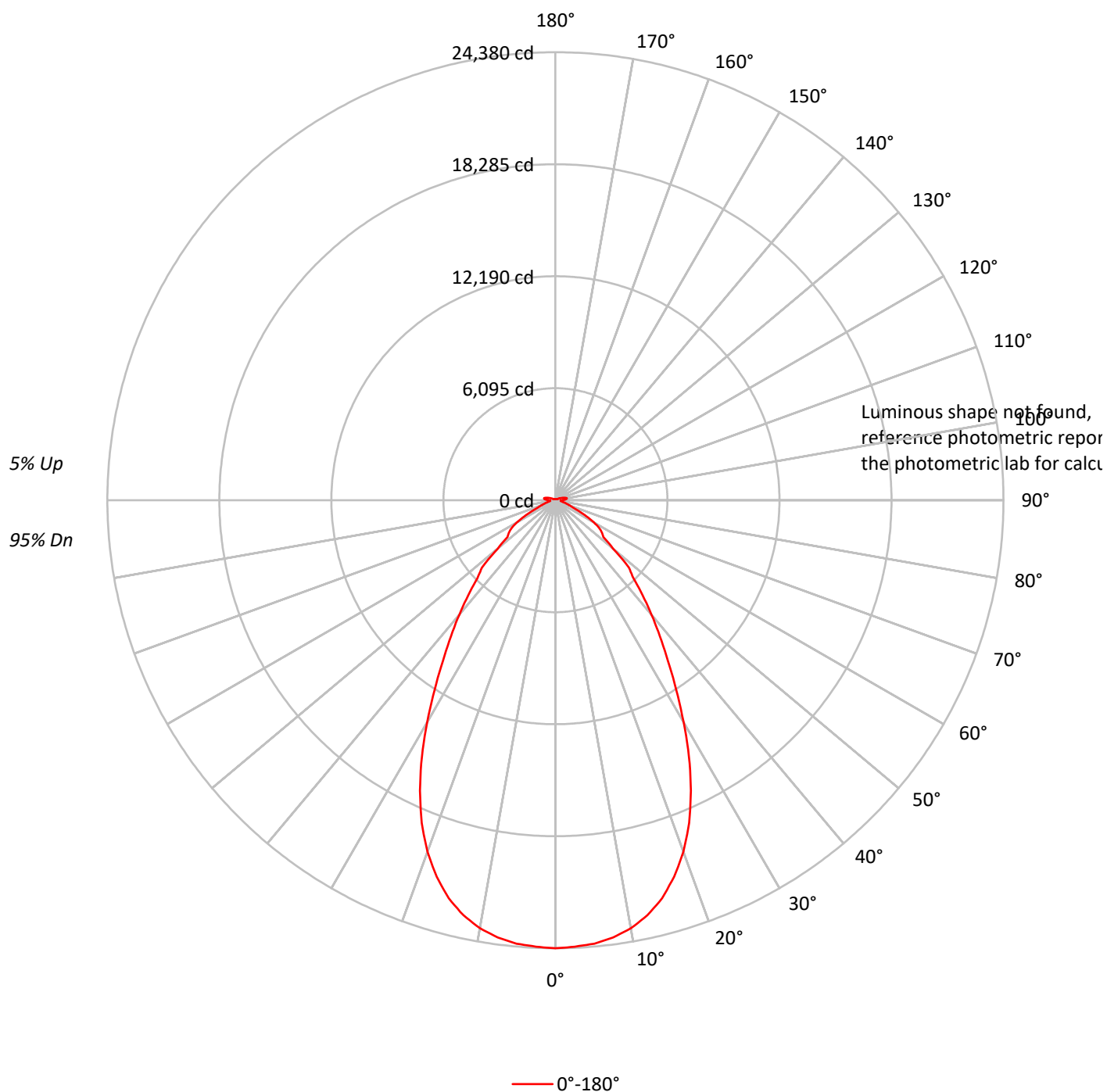
Lumens per Lamp: N/A  
Luminaire Lumens: 34719.3 lumens  
Efficiency: N/A  
Efficacy: 149.7 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97  
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 231.9  
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





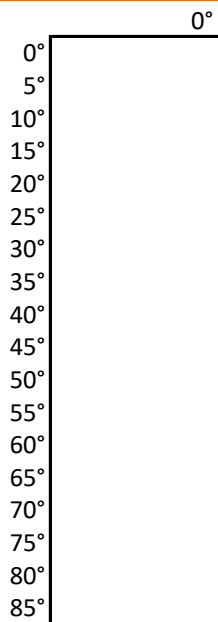
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|--|
| 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 | 108 | 108 | 108 | 103 | 103 | 103 | 98 | 98 | 98 | 95 |  |  |
| 1   | 110 | 107 | 104 | 101 | 107 | 104 | 101 | 99  | 99  | 97  | 95  | 95  | 93  | 91  | 90 | 89 | 87 | 85 |  |  |
| 2   | 103 | 97  | 91  | 87  | 100 | 95  | 90  | 86  | 90  | 86  | 83  | 87  | 83  | 81  | 83 | 80 | 78 | 76 |  |  |
| 3   | 96  | 88  | 82  | 76  | 93  | 86  | 80  | 76  | 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  | 71 | 67 | 63 | 61 |  |  |
| 5   | 84  | 74  | 66  | 61  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 67  | 62  | 58  | 65 | 61 | 57 | 56 |  |  |
| 6   | 79  | 68  | 60  | 55  | 77  | 67  | 60  | 55  | 64  | 58  | 54  | 63  | 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  | 51  | 46  | 56  | 50  | 45  | 54  | 49  | 45  | 53 | 48 | 44 | 43 |  |  |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 49 | 45 | 41 | 39 |  |  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 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°    | 2293.7  | 6.6       |
| 10°-20°   | 6262.0  | 18.0      |
| 20°-30°   | 7935.7  | 22.9      |
| 30°-40°   | 6720.7  | 19.4      |
| 40°-50°   | 4712.3  | 13.6      |
| 50°-60°   | 2788.2  | 8.0       |
| 60°-70°   | 1467.5  | 4.2       |
| 70°-80°   | 550.9   | 1.6       |
| 80°-90°   | 334.5   | 1.0       |
| 90°-100°  | 590.2   | 1.7       |
| 100°-110° | 540.0   | 1.6       |
| 110°-120° | 238.1   | 0.7       |
| 120°-130° | 99.3    | 0.3       |
| 130°-140° | 69.4    | 0.2       |
| 140°-150° | 54.2    | 0.2       |
| 150°-160° | 37.4    | 0.1       |
| 160°-170° | 19.5    | 0.1       |
| 170°-180° | 5.6     | 0.0       |
| 0°-30°    | 16491.4 | 47.5      |
| 0°-40°    | 23212.2 | 66.9      |
| 0°-60°    | 30712.7 | 88.5      |
| 0°-90°    | 33065.6 | 95.2      |
| 90°-120°  | 1368.4  | 3.9       |
| 90°-150°  | 1591.3  | 4.6       |
| 90°-180°  | 1654.0  | 4.8       |
| 0°-180°   | 34719.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 24380 |      |
| 5°   | 24225 | ###  |
| 15°  | 22423 | 6262 |
| 25°  | 17444 | 7936 |
| 35°  | 10662 | 6721 |
| 45°  | 5993  | 4712 |
| 55°  | 3106  | 2788 |
| 65°  | 1413  | 1467 |
| 75°  | 511   | 551  |
| 85°  | 281   | 238  |
| 90°  | 384   | 214  |
| 95°  | 562   | 473  |
| 105° | 516   | 540  |
| 115° | 229   | 238  |
| 125° | 105   | 99   |
| 135° | 90    | 69   |
| 145° | 86    | 54   |
| 155° | 81    | 37   |
| 165° | 68    | 19   |
| 175° | 57    | 6    |
| 180° | 57    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 24379.6 |
| 2.5°   | 24315.5 |
| 5°     | 24224.6 |
| 7.5°   | 23994.6 |
| 10°    | 23650.7 |
| 12.5°  | 23134.9 |
| 15°    | 22422.9 |
| 17.5°  | 21477.2 |
| 20°    | 20351.1 |
| 22.5°  | 19007.0 |
| 25°    | 17443.8 |
| 27.5°  | 15737.7 |
| 30°    | 13941.9 |
| 32.5°  | 12220.1 |
| 35°    | 10661.7 |
| 37.5°  | 9328.5  |
| 40°    | 8129.8  |
| 42.5°  | 7015.8  |
| 45°    | 5992.6  |
| 47.5°  | 5417.4  |
| 50°    | 4100.0  |
| 52.5°  | 3281.5  |
| 55°    | 3105.9  |
| 57.5°  | 2829.8  |
| 60°    | 2432.6  |
| 62.5°  | 1908.3  |
| 65°    | 1413.1  |
| 67.5°  | 1026.8  |
| 70°    | 784.6   |
| 72.5°  | 633.3   |
| 75°    | 511.0   |
| 77.5°  | 396.0   |
| 80°    | 314.8   |
| 82.5°  | 277.3   |
| 85°    | 280.9   |
| 87.5°  | 318.5   |
| 90°    | 383.8   |
| 92.5°  | 473.4   |
| 95°    | 561.8   |
| 97.5°  | 622.4   |
| 100°   | 630.9   |
| 102.5° | 584.8   |
| 105°   | 515.8   |
| 107.5° | 440.8   |
| 110°   | 362.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 290.6 |
| 115°   | 228.9 |
| 117.5° | 180.4 |
| 120°   | 146.5 |
| 122.5° | 121.1 |
| 125°   | 105.3 |
| 127.5° | 95.7  |
| 130°   | 90.8  |
| 132.5° | 89.6  |
| 135°   | 89.6  |
| 137.5° | 89.6  |
| 140°   | 88.4  |
| 142.5° | 87.2  |
| 145°   | 86.0  |
| 147.5° | 84.8  |
| 150°   | 84.8  |
| 152.5° | 82.3  |
| 155°   | 81.1  |
| 157.5° | 78.7  |
| 160°   | 76.3  |
| 162.5° | 71.4  |
| 165°   | 67.8  |
| 167.5° | 64.2  |
| 170°   | 60.5  |
| 172.5° | 59.3  |
| 175°   | 56.9  |
| 177.5° | 56.9  |
| 180°   | 56.9  |

(END OF REPORT)