

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: P1505189

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K\_L32\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505189  
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 (5000K\_L32\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

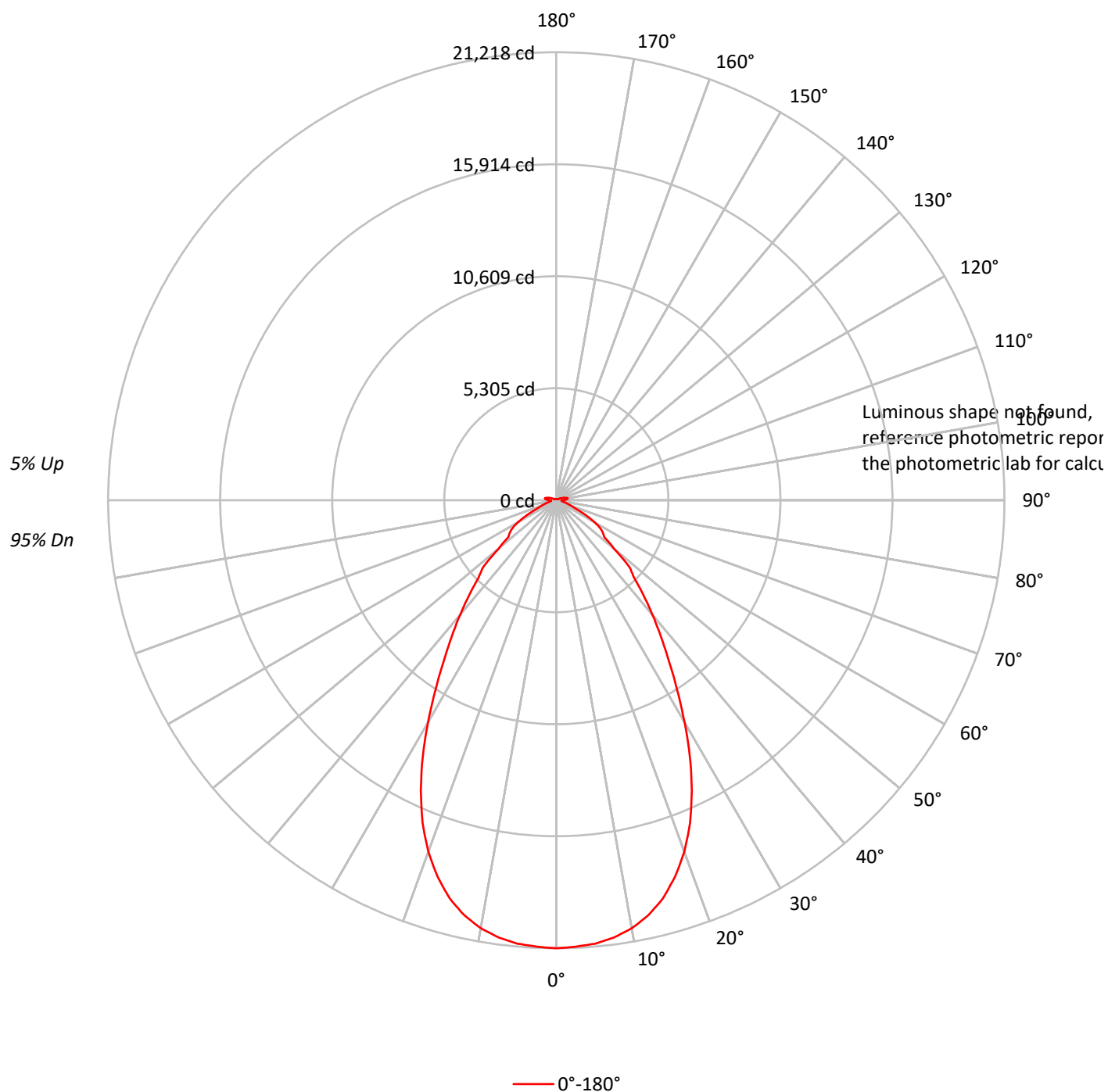
Lumens per Lamp: N/A  
Luminaire Lumens: 30216.6 lumens  
Efficiency: N/A  
Efficacy: 154.6 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97  
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 195.5  
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





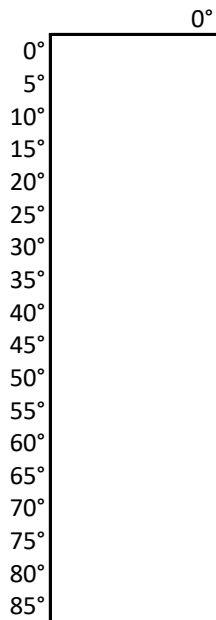
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|--|
| 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°    | 1996.3  | 6.6       |
| 10°-20°   | 5449.9  | 18.0      |
| 20°-30°   | 6906.5  | 22.9      |
| 30°-40°   | 5849.1  | 19.4      |
| 40°-50°   | 4101.1  | 13.6      |
| 50°-60°   | 2426.6  | 8.0       |
| 60°-70°   | 1277.1  | 4.2       |
| 70°-80°   | 479.5   | 1.6       |
| 80°-90°   | 291.1   | 1.0       |
| 90°-100°  | 513.7   | 1.7       |
| 100°-110° | 470.0   | 1.6       |
| 110°-120° | 207.3   | 0.7       |
| 120°-130° | 86.4    | 0.3       |
| 130°-140° | 60.4    | 0.2       |
| 140°-150° | 47.1    | 0.2       |
| 150°-160° | 32.6    | 0.1       |
| 160°-170° | 17.0    | 0.1       |
| 170°-180° | 4.9     | 0.0       |
| 0°-30°    | 14352.6 | 47.5      |
| 0°-40°    | 20201.8 | 66.9      |
| 0°-60°    | 26729.5 | 88.5      |
| 0°-90°    | 28777.3 | 95.2      |
| 90°-120°  | 1190.9  | 3.9       |
| 90°-150°  | 1384.9  | 4.6       |
| 90°-180°  | 1439.0  | 4.8       |
| 0°-180°   | 30216.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 21218 |      |
| 5°   | 21083 | ###  |
| 15°  | 19515 | 5450 |
| 25°  | 15182 | 6907 |
| 35°  | 9279  | 5849 |
| 45°  | 5215  | 4101 |
| 55°  | 2703  | 2427 |
| 65°  | 1230  | 1277 |
| 75°  | 445   | 479  |
| 85°  | 244   | 207  |
| 90°  | 334   | 186  |
| 95°  | 489   | 411  |
| 105° | 449   | 470  |
| 115° | 199   | 207  |
| 125° | 92    | 86   |
| 135° | 78    | 60   |
| 145° | 75    | 47   |
| 155° | 71    | 33   |
| 165° | 59    | 17   |
| 175° | 50    | 5    |
| 180° | 50    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 21217.8 |
| 2.5°   | 21162.0 |
| 5°     | 21082.9 |
| 7.5°   | 20882.7 |
| 10°    | 20583.4 |
| 12.5°  | 20134.5 |
| 15°    | 19514.8 |
| 17.5°  | 18691.8 |
| 20°    | 17711.7 |
| 22.5°  | 16542.0 |
| 25°    | 15181.5 |
| 27.5°  | 13696.6 |
| 30°    | 12133.8 |
| 32.5°  | 10635.3 |
| 35°    | 9279.0  |
| 37.5°  | 8118.7  |
| 40°    | 7075.4  |
| 42.5°  | 6105.9  |
| 45°    | 5215.4  |
| 47.5°  | 4714.8  |
| 50°    | 3568.3  |
| 52.5°  | 2855.9  |
| 55°    | 2703.1  |
| 57.5°  | 2462.8  |
| 60°    | 2117.1  |
| 62.5°  | 1660.8  |
| 65°    | 1229.8  |
| 67.5°  | 893.6   |
| 70°    | 682.9   |
| 72.5°  | 551.2   |
| 75°    | 444.7   |
| 77.5°  | 344.6   |
| 80°    | 274.0   |
| 82.5°  | 241.3   |
| 85°    | 244.5   |
| 87.5°  | 277.2   |
| 90°    | 334.1   |
| 92.5°  | 412.0   |
| 95°    | 489.0   |
| 97.5°  | 541.7   |
| 100°   | 549.0   |
| 102.5° | 509.0   |
| 105°   | 448.9   |
| 107.5° | 383.6   |
| 110°   | 315.1   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 252.9 |
| 115°   | 199.2 |
| 117.5° | 157.0 |
| 120°   | 127.5 |
| 122.5° | 105.4 |
| 125°   | 91.7  |
| 127.5° | 83.3  |
| 130°   | 79.0  |
| 132.5° | 78.0  |
| 135°   | 78.0  |
| 137.5° | 78.0  |
| 140°   | 76.9  |
| 142.5° | 75.9  |
| 145°   | 74.8  |
| 147.5° | 73.8  |
| 150°   | 73.8  |
| 152.5° | 71.7  |
| 155°   | 70.6  |
| 157.5° | 68.5  |
| 160°   | 66.4  |
| 162.5° | 62.2  |
| 165°   | 59.0  |
| 167.5° | 55.9  |
| 170°   | 52.7  |
| 172.5° | 51.6  |
| 175°   | 49.5  |
| 177.5° | 49.5  |
| 180°   | 49.5  |

(END OF REPORT)