

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: P1505416

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K\_L36\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505416  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)  
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-TRWH-PS (5000K\_L36\_Medium\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

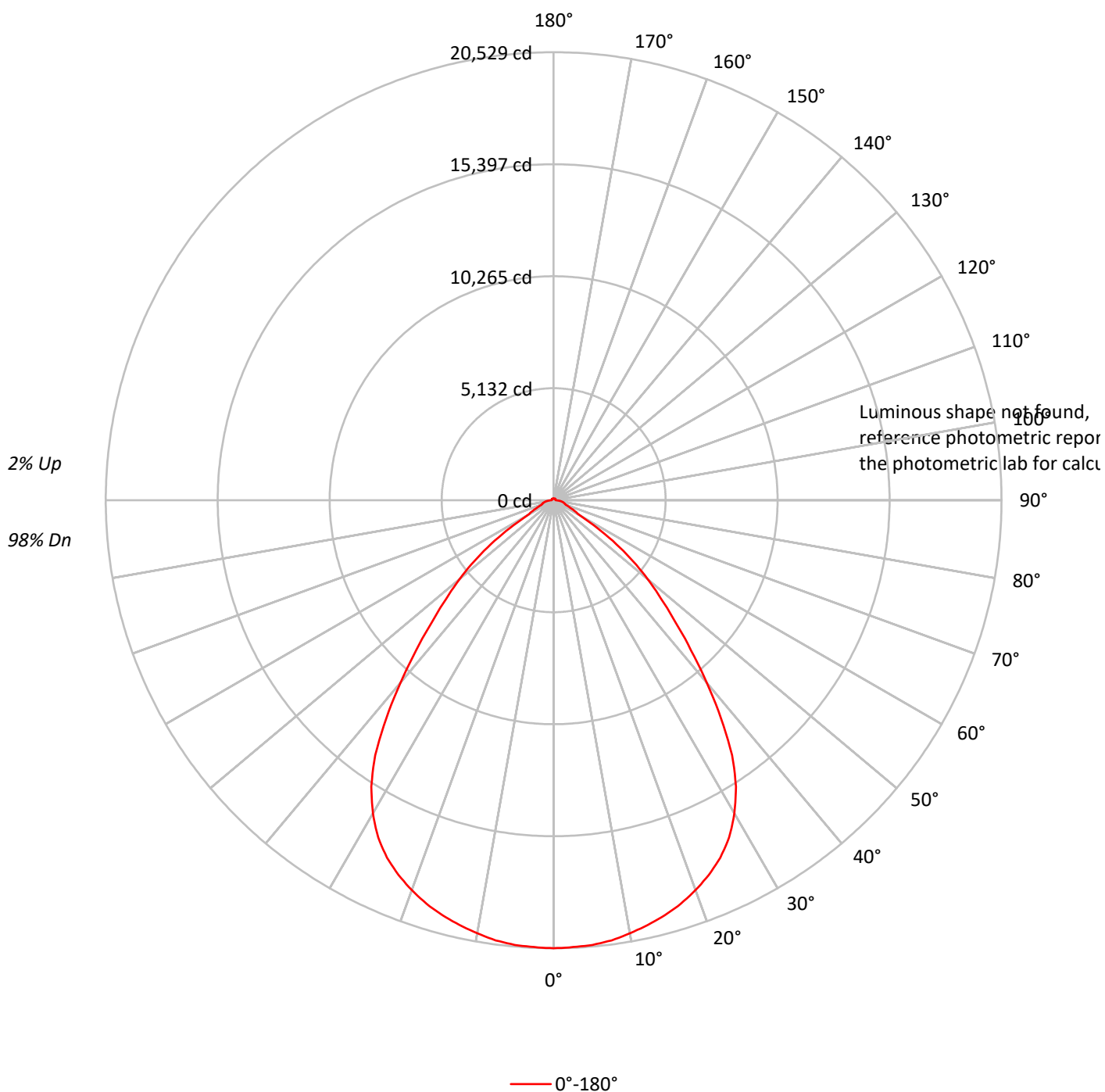
Lumens per Lamp: N/A  
Luminaire Lumens: 36064.2 lumens  
Efficiency: N/A  
Efficacy: 154.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17  
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 233.3  
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





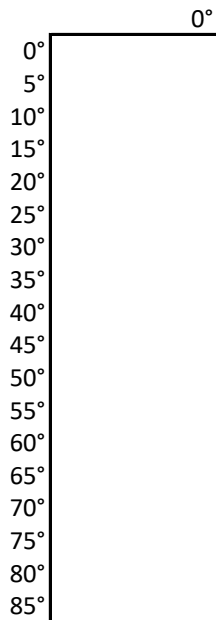
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|
| 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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 101 | 101 | 101 | 98 |  |  |
| 1   | 111 | 108 | 104 | 102 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88 |  |  |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 85  | 83  | 86  | 83  | 81  | 79 |  |  |
| 3   | 97  | 88  | 82  | 77  | 94  | 87  | 81  | 76  | 84  | 79  | 75  | 81  | 77  | 73  | 79  | 75  | 72  | 70 |  |  |
| 4   | 90  | 81  | 73  | 68  | 88  | 79  | 73  | 68  | 77  | 71  | 67  | 74  | 69  | 66  | 72  | 68  | 65  | 63 |  |  |
| 5   | 84  | 74  | 66  | 61  | 82  | 72  | 66  | 60  | 70  | 64  | 60  | 68  | 63  | 59  | 66  | 62  | 58  | 56 |  |  |
| 6   | 79  | 67  | 60  | 55  | 77  | 66  | 59  | 54  | 65  | 58  | 54  | 63  | 57  | 53  | 61  | 57  | 53  | 51 |  |  |
| 7   | 73  | 62  | 55  | 49  | 72  | 61  | 54  | 49  | 60  | 53  | 49  | 58  | 53  | 48  | 57  | 52  | 48  | 46 |  |  |
| 8   | 69  | 57  | 50  | 45  | 67  | 57  | 50  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 42 |  |  |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 40  | 49  | 44  | 40  | 39 |  |  |
| 10  | 61  | 49  | 42  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1942.9  | 5.4       |
| 10°-20°   | 5553.7  | 15.4      |
| 20°-30°   | 8284.1  | 23.0      |
| 30°-40°   | 8752.1  | 24.3      |
| 40°-50°   | 6172.0  | 17.1      |
| 50°-60°   | 3098.4  | 8.6       |
| 60°-70°   | 908.2   | 2.5       |
| 70°-80°   | 525.0   | 1.5       |
| 80°-90°   | 274.1   | 0.8       |
| 90°-100°  | 94.9    | 0.3       |
| 100°-110° | 95.5    | 0.3       |
| 110°-120° | 90.4    | 0.3       |
| 120°-130° | 80.4    | 0.2       |
| 130°-140° | 69.0    | 0.2       |
| 140°-150° | 57.0    | 0.2       |
| 150°-160° | 39.7    | 0.1       |
| 160°-170° | 20.8    | 0.1       |
| 170°-180° | 6.2     | 0.0       |
| 0°-30°    | 15780.6 | 43.8      |
| 0°-40°    | 24532.7 | 68.0      |
| 0°-60°    | 33803.1 | 93.7      |
| 0°-90°    | 35510.4 | 98.5      |
| 90°-120°  | 280.8   | 0.8       |
| 90°-150°  | 487.1   | 1.4       |
| 90°-180°  | 554.0   | 1.5       |
| 0°-180°   | 36064.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 20529 |      |
| 5°   | 20454 | ###  |
| 15°  | 19692 | 5554 |
| 25°  | 18069 | 8284 |
| 35°  | 14264 | 8752 |
| 45°  | 7890  | 6172 |
| 55°  | 3512  | 3098 |
| 65°  | 887   | 908  |
| 75°  | 498   | 525  |
| 85°  | 256   | 239  |
| 90°  | 87    | 59   |
| 95°  | 87    | 71   |
| 105° | 90    | 96   |
| 115° | 92    | 90   |
| 125° | 89    | 80   |
| 135° | 89    | 69   |
| 145° | 90    | 57   |
| 155° | 84    | 40   |
| 165° | 72    | 21   |
| 175° | 65    | 6    |
| 180° | 66    |      |

TEST NUMBER: P1505416

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K\_L36\_Medium\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 20529.4 |
| 2.5°   | 20496.5 |
| 5°     | 20453.7 |
| 7.5°   | 20342.7 |
| 10°    | 20151.0 |
| 12.5°  | 19933.8 |
| 15°    | 19692.1 |
| 17.5°  | 19389.4 |
| 20°    | 19009.8 |
| 22.5°  | 18586.2 |
| 25°    | 18068.7 |
| 27.5°  | 17424.2 |
| 30°    | 16571.0 |
| 32.5°  | 15556.7 |
| 35°    | 14264.0 |
| 37.5°  | 12607.7 |
| 40°    | 10923.2 |
| 42.5°  | 9314.5  |
| 45°    | 7890.0  |
| 47.5°  | 6682.8  |
| 50°    | 5635.6  |
| 52.5°  | 4591.9  |
| 55°    | 3511.7  |
| 57.5°  | 2368.0  |
| 60°    | 1380.5  |
| 62.5°  | 1101.0  |
| 65°    | 887.4   |
| 67.5°  | 708.0   |
| 70°    | 587.1   |
| 72.5°  | 535.8   |
| 75°    | 498.0   |
| 77.5°  | 458.9   |
| 80°    | 402.8   |
| 82.5°  | 333.2   |
| 85°    | 256.3   |
| 87.5°  | 172.1   |
| 90°    | 86.7    |
| 92.5°  | 85.4    |
| 95°    | 86.7    |
| 97.5°  | 87.9    |
| 100°   | 89.1    |
| 102.5° | 90.3    |
| 105°   | 90.3    |
| 107.5° | 90.3    |
| 110°   | 91.5    |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 91.5 |
| 115°   | 91.5 |
| 117.5° | 90.3 |
| 120°   | 90.3 |
| 122.5° | 90.3 |
| 125°   | 89.1 |
| 127.5° | 89.1 |
| 130°   | 89.1 |
| 132.5° | 89.1 |
| 135°   | 89.1 |
| 137.5° | 89.1 |
| 140°   | 89.1 |
| 142.5° | 90.3 |
| 145°   | 90.3 |
| 147.5° | 91.5 |
| 150°   | 92.8 |
| 152.5° | 89.1 |
| 155°   | 84.2 |
| 157.5° | 81.8 |
| 160°   | 79.3 |
| 162.5° | 75.7 |
| 165°   | 72.0 |
| 167.5° | 69.6 |
| 170°   | 67.1 |
| 172.5° | 64.7 |
| 175°   | 64.7 |
| 177.5° | 65.9 |
| 180°   | 65.9 |

(END OF REPORT)