

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: P1505589

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K\_L36\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505589  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)  
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-TRWH-PS (4000K\_L36\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

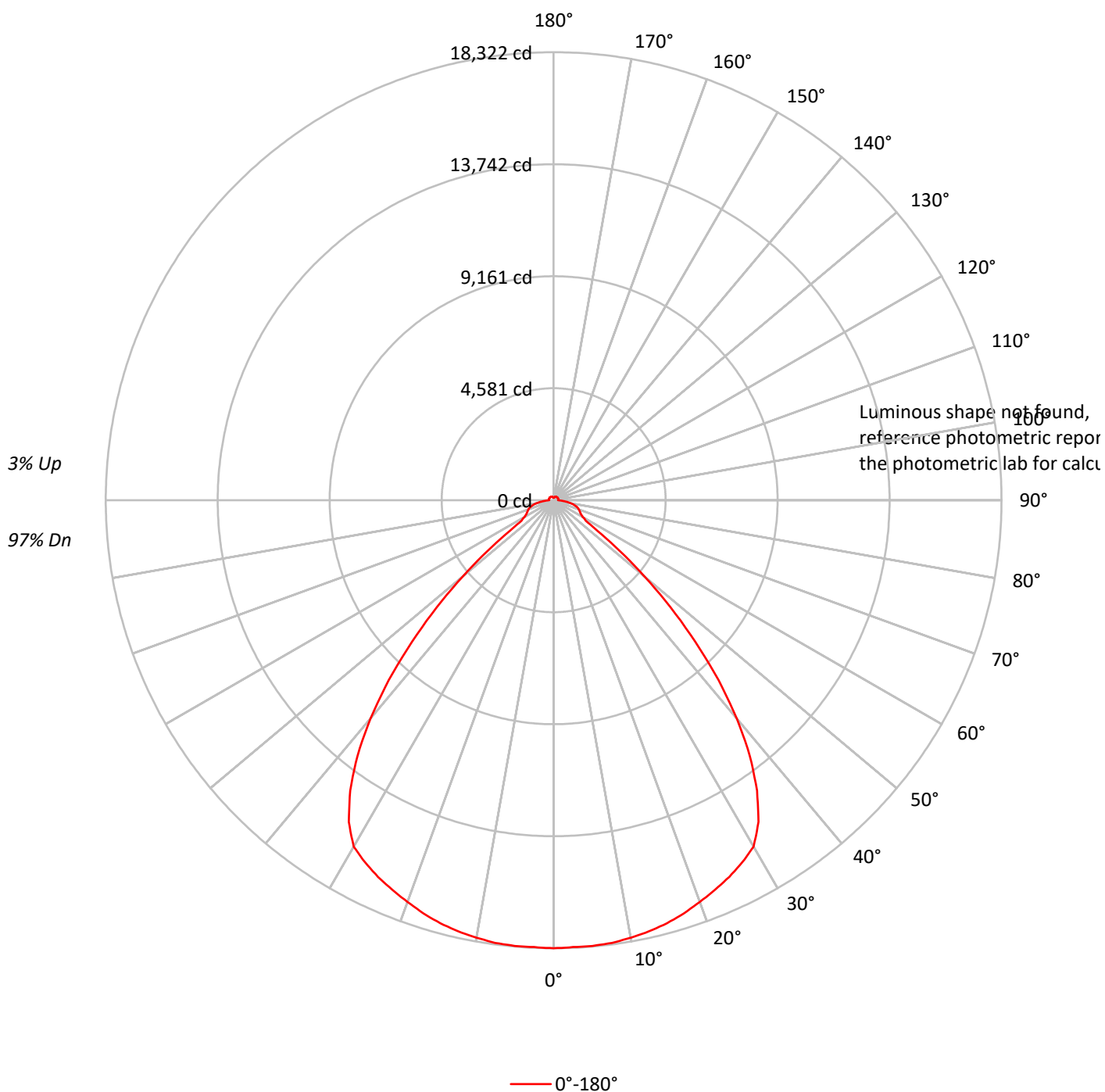
Lumens per Lamp: N/A  
Luminaire Lumens: 35940.0 lumens  
Efficiency: N/A  
Efficacy: 155.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24  
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')  
CIE Type: Direct

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





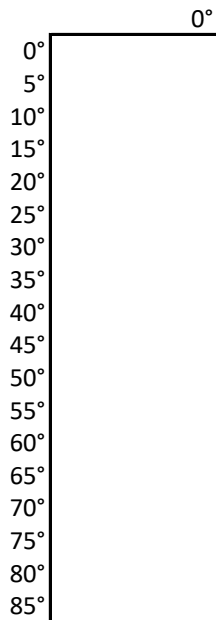
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|--|
| 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 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |  |  |
| 1   | 110 | 107 | 103 | 100 | 107 | 104 | 101 | 98  | 99  | 97  | 95  | 95  | 93  | 91  | 91 | 89 | 88 | 86 |  |  |
| 2   | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  | 90  | 86  | 82  | 86  | 83  | 80  | 83 | 80 | 78 | 76 |  |  |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 79  | 75  | 71  | 76 | 72 | 69 | 67 |  |  |
| 4   | 89  | 79  | 72  | 66  | 86  | 77  | 71  | 66  | 75  | 69  | 64  | 72  | 67  | 63  | 70 | 66 | 62 | 60 |  |  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 64 | 60 | 56 | 54 |  |  |
| 6   | 77  | 66  | 58  | 53  | 75  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 55  | 51  | 59 | 54 | 51 | 49 |  |  |
| 7   | 72  | 61  | 53  | 48  | 70  | 60  | 52  | 47  | 58  | 52  | 47  | 56  | 51  | 46  | 55 | 50 | 46 | 44 |  |  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 52  | 46  | 42  | 51 | 46 | 42 | 40 |  |  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 43  | 39  | 48  | 43  | 39  | 47 | 42 | 38 | 37 |  |  |
| 10  | 60  | 48  | 41  | 36  | 58  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 39  | 36  | 44 | 39 | 35 | 34 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1742.4  | 4.8       |
| 10°-20°   | 5057.5  | 14.1      |
| 20°-30°   | 7837.6  | 21.8      |
| 30°-40°   | 8939.4  | 24.9      |
| 40°-50°   | 6297.7  | 17.5      |
| 50°-60°   | 2268.7  | 6.3       |
| 60°-70°   | 1203.2  | 3.3       |
| 70°-80°   | 983.1   | 2.7       |
| 80°-90°   | 472.8   | 1.3       |
| 90°-100°  | 204.1   | 0.6       |
| 100°-110° | 203.5   | 0.6       |
| 110°-120° | 191.7   | 0.5       |
| 120°-130° | 169.1   | 0.5       |
| 130°-140° | 140.4   | 0.4       |
| 140°-150° | 109.1   | 0.3       |
| 150°-160° | 73.1    | 0.2       |
| 160°-170° | 36.4    | 0.1       |
| 170°-180° | 10.2    | 0.0       |
| 0°-30°    | 14637.4 | 40.7      |
| 0°-40°    | 23576.9 | 65.6      |
| 0°-60°    | 32143.3 | 89.4      |
| 0°-90°    | 34802.4 | 96.8      |
| 90°-120°  | 599.3   | 1.7       |
| 90°-150°  | 1017.8  | 2.8       |
| 90°-180°  | 1138.0  | 3.2       |
| 0°-180°   | 35940.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 18322 |      |
| 5°   | 18295 | ###  |
| 15°  | 17911 | 5057 |
| 25°  | 16997 | 7838 |
| 35°  | 14501 | 8939 |
| 45°  | 8190  | 6298 |
| 55°  | 2164  | 2269 |
| 65°  | 1199  | 1203 |
| 75°  | 947   | 983  |
| 85°  | 426   | 406  |
| 90°  | 190   | 118  |
| 95°  | 186   | 153  |
| 105° | 192   | 203  |
| 115° | 194   | 192  |
| 125° | 189   | 169  |
| 135° | 182   | 140  |
| 145° | 173   | 109  |
| 155° | 157   | 73   |
| 165° | 126   | 36   |
| 175° | 105   | 10   |
| 180° | 105   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 18321.7 |
| 2.5°   | 18291.4 |
| 5°     | 18295.0 |
| 7.5°   | 18258.7 |
| 10°    | 18164.2 |
| 12.5°  | 18056.5 |
| 15°    | 17911.2 |
| 17.5°  | 17715.0 |
| 20°    | 17480.1 |
| 22.5°  | 17244.0 |
| 25°    | 16997.0 |
| 27.5°  | 16701.5 |
| 30°    | 16356.4 |
| 32.5°  | 15594.8 |
| 35°    | 14501.4 |
| 37.5°  | 13187.6 |
| 40°    | 11657.0 |
| 42.5°  | 9981.2  |
| 45°    | 8190.3  |
| 47.5°  | 6481.8  |
| 50°    | 4843.5  |
| 52.5°  | 3411.0  |
| 55°    | 2163.8  |
| 57.5°  | 1562.0  |
| 60°    | 1386.4  |
| 62.5°  | 1266.6  |
| 65°    | 1198.8  |
| 67.5°  | 1147.9  |
| 70°    | 1098.3  |
| 72.5°  | 1034.1  |
| 75°    | 946.9   |
| 77.5°  | 839.1   |
| 80°    | 707.1   |
| 82.5°  | 565.5   |
| 85°    | 426.2   |
| 87.5°  | 295.5   |
| 90°    | 190.1   |
| 92.5°  | 182.8   |
| 95°    | 186.5   |
| 97.5°  | 188.9   |
| 100°   | 190.1   |
| 102.5° | 191.3   |
| 105°   | 192.5   |
| 107.5° | 193.7   |
| 110°   | 193.7   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 193.7 |
| 115°   | 193.7 |
| 117.5° | 192.5 |
| 120°   | 191.3 |
| 122.5° | 190.1 |
| 125°   | 188.9 |
| 127.5° | 186.5 |
| 130°   | 185.3 |
| 132.5° | 182.8 |
| 135°   | 181.6 |
| 137.5° | 179.2 |
| 140°   | 176.8 |
| 142.5° | 175.6 |
| 145°   | 173.2 |
| 147.5° | 171.9 |
| 150°   | 169.5 |
| 152.5° | 164.7 |
| 155°   | 157.4 |
| 157.5° | 150.1 |
| 160°   | 142.9 |
| 162.5° | 135.6 |
| 165°   | 125.9 |
| 167.5° | 118.7 |
| 170°   | 111.4 |
| 172.5° | 106.6 |
| 175°   | 105.3 |
| 177.5° | 105.3 |
| 180°   | 105.3 |

(END OF REPORT)