

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: P1505590

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K\_L24\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505590  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)  
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 (5000K\_L24\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

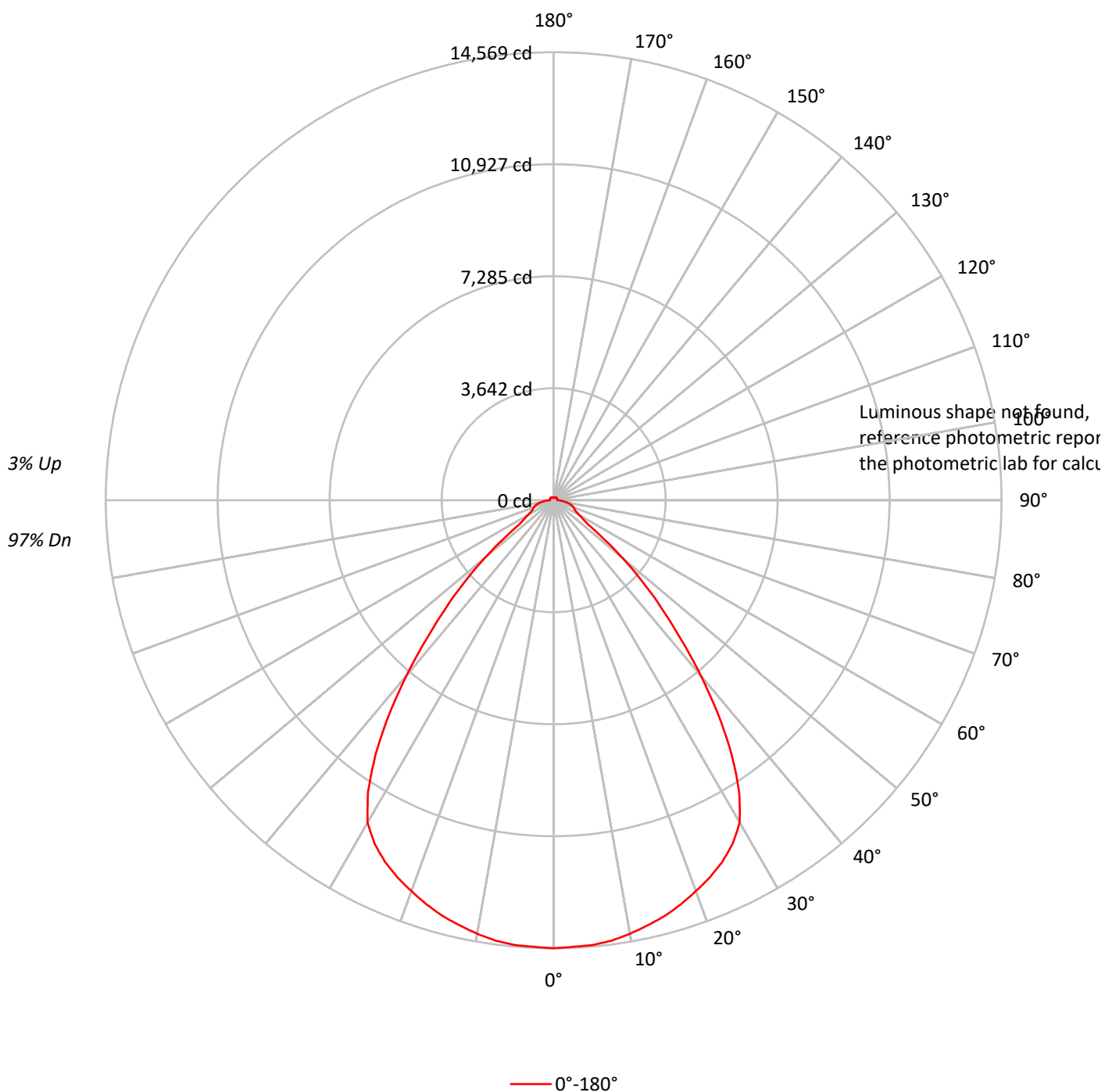
Lumens per Lamp: N/A  
Luminaire Lumens: 25223.0 lumens  
Efficiency: N/A  
Efficacy: 161.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16  
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 156.4  
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

TEST NUMBER: P1505590

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K\_L24\_Medium\_120V)

### Luminous Intensity Polar Plot



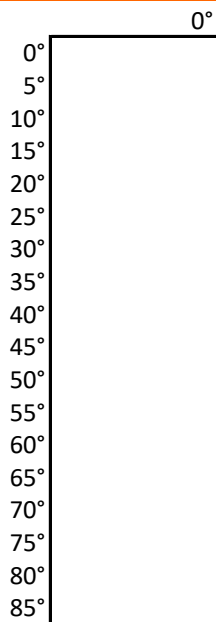
TEST NUMBER: P1505590

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K\_L24\_Medium\_120V)

### 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 | 104 | 102 | 99  | 100 | 97  | 95  | 96  | 94  | 92  | 92 | 90 | 89 | 87 |  |  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 91  | 87  | 84  | 87  | 84  | 81  | 84 | 81 | 79 | 77 |  |  |
| 3   | 96  | 88  | 82  | 76  | 94  | 86  | 80  | 76  | 83  | 78  | 74  | 80  | 76  | 72  | 77 | 74 | 71 | 69 |  |  |
| 4   | 90  | 80  | 73  | 68  | 88  | 79  | 72  | 67  | 76  | 71  | 66  | 74  | 69  | 65  | 71 | 67 | 64 | 62 |  |  |
| 5   | 84  | 73  | 66  | 61  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 68  | 63  | 59  | 66 | 61 | 58 | 56 |  |  |
| 6   | 79  | 67  | 60  | 55  | 77  | 66  | 59  | 54  | 64  | 58  | 54  | 63  | 57  | 53  | 61 | 56 | 53 | 51 |  |  |
| 7   | 74  | 62  | 55  | 50  | 72  | 61  | 54  | 49  | 60  | 53  | 49  | 58  | 53  | 48  | 57 | 52 | 48 | 46 |  |  |
| 8   | 69  | 58  | 50  | 45  | 68  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 48  | 44  | 53 | 48 | 44 | 42 |  |  |
| 9   | 65  | 53  | 46  | 42  | 64  | 53  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 49 | 44 | 40 | 39 |  |  |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 41  | 38  | 46 | 41 | 37 | 36 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

TEST NUMBER: P1505590

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K\_L24\_Medium\_120V)

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1379.4  | 5.5       |
| 10°-20°   | 3946.0  | 15.6      |
| 20°-30°   | 5959.4  | 23.6      |
| 30°-40°   | 6208.8  | 24.6      |
| 40°-50°   | 3862.1  | 15.3      |
| 50°-60°   | 1425.3  | 5.7       |
| 60°-70°   | 785.4   | 3.1       |
| 70°-80°   | 618.0   | 2.4       |
| 80°-90°   | 306.3   | 1.2       |
| 90°-100°  | 130.7   | 0.5       |
| 100°-110° | 130.4   | 0.5       |
| 110°-120° | 122.9   | 0.5       |
| 120°-130° | 108.4   | 0.4       |
| 130°-140° | 90.2    | 0.4       |
| 140°-150° | 70.9    | 0.3       |
| 150°-160° | 47.9    | 0.2       |
| 160°-170° | 24.2    | 0.1       |
| 170°-180° | 6.9     | 0.0       |
| 0°-30°    | 11284.7 | 44.7      |
| 0°-40°    | 17493.5 | 69.4      |
| 0°-60°    | 22780.9 | 90.3      |
| 0°-90°    | 24490.6 | 97.1      |
| 90°-120°  | 384.0   | 1.5       |
| 90°-150°  | 653.5   | 2.6       |
| 90°-180°  | 732.0   | 2.9       |
| 0°-180°   | 25223.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 14569 |      |
| 5°   | 14519 | ###  |
| 15°  | 13991 | 3946 |
| 25°  | 12974 | 5959 |
| 35°  | 10098 | 6209 |
| 45°  | 4968  | 3862 |
| 55°  | 1347  | 1425 |
| 65°  | 768   | 785  |
| 75°  | 592   | 618  |
| 85°  | 279   | 263  |
| 90°  | 123   | 76   |
| 95°  | 119   | 98   |
| 105° | 123   | 130  |
| 115° | 124   | 123  |
| 125° | 121   | 108  |
| 135° | 116   | 90   |
| 145° | 113   | 71   |
| 155° | 103   | 48   |
| 165° | 84    | 24   |
| 175° | 71    | 7    |
| 180° | 71    |      |

TEST NUMBER: P1505590

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K\_L24\_Medium\_120V)

**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 14569.0 |
| 2.5°   | 14535.1 |
| 5°     | 14518.6 |
| 7.5°   | 14445.7 |
| 10°    | 14313.7 |
| 12.5°  | 14159.1 |
| 15°    | 13990.6 |
| 17.5°  | 13771.7 |
| 20°    | 13525.1 |
| 22.5°  | 13275.8 |
| 25°    | 12974.5 |
| 27.5°  | 12598.4 |
| 30°    | 12103.4 |
| 32.5°  | 11233.1 |
| 35°    | 10098.0 |
| 37.5°  | 8799.6  |
| 40°    | 7442.1  |
| 42.5°  | 6121.2  |
| 45°    | 4967.8  |
| 47.5°  | 3915.2  |
| 50°    | 2932.9  |
| 52.5°  | 1997.5  |
| 55°    | 1347.0  |
| 57.5°  | 1129.9  |
| 60°    | 971.8   |
| 62.5°  | 842.4   |
| 65°    | 767.8   |
| 67.5°  | 728.7   |
| 70°    | 693.9   |
| 72.5°  | 650.5   |
| 75°    | 592.3   |
| 77.5°  | 525.4   |
| 80°    | 449.9   |
| 82.5°  | 365.6   |
| 85°    | 278.8   |
| 87.5°  | 193.7   |
| 90°    | 123.3   |
| 92.5°  | 117.2   |
| 95°    | 119.0   |
| 97.5°  | 120.7   |
| 100°   | 121.6   |
| 102.5° | 122.5   |
| 105°   | 123.3   |
| 107.5° | 124.2   |
| 110°   | 124.2   |

TEST NUMBER: P1505590

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K\_L24\_Medium\_120V)

**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 124.2 |
| 115°   | 124.2 |
| 117.5° | 123.3 |
| 120°   | 122.5 |
| 122.5° | 121.6 |
| 125°   | 120.7 |
| 127.5° | 119.9 |
| 130°   | 119.0 |
| 132.5° | 117.2 |
| 135°   | 116.4 |
| 137.5° | 115.5 |
| 140°   | 114.6 |
| 142.5° | 113.8 |
| 145°   | 112.9 |
| 147.5° | 112.0 |
| 150°   | 110.3 |
| 152.5° | 106.8 |
| 155°   | 103.4 |
| 157.5° | 99.0  |
| 160°   | 94.7  |
| 162.5° | 89.5  |
| 165°   | 84.2  |
| 167.5° | 79.0  |
| 170°   | 74.7  |
| 172.5° | 72.1  |
| 175°   | 71.2  |
| 177.5° | 71.2  |
| 180°   | 71.2  |

(END OF REPORT)