

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: P1505509

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K\_L24\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505509  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-116)  
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-BLAK-PS (6500K\_L24\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

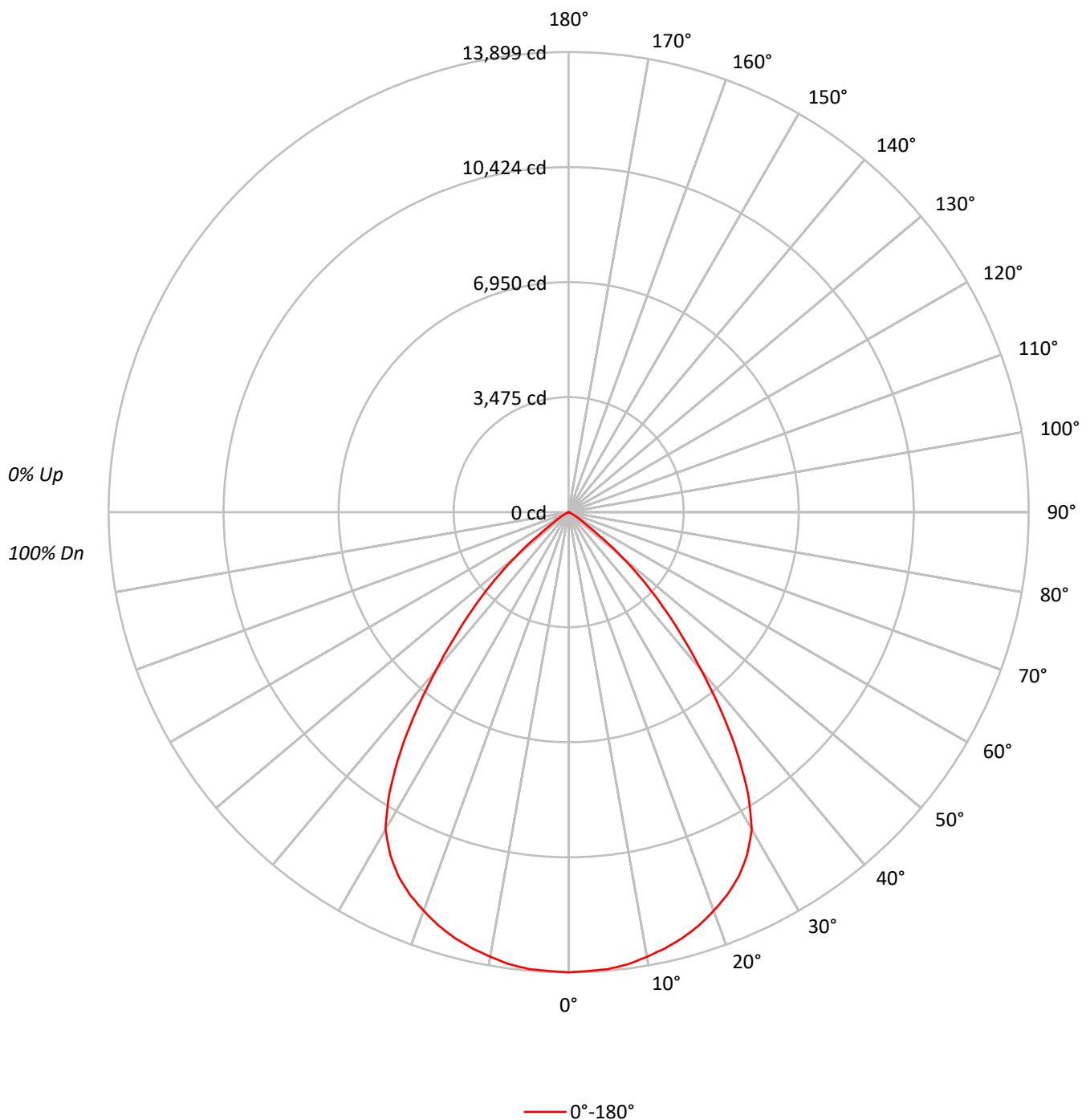
Lumens per Lamp: N/A  
Luminaire Lumens: 20046.9 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11  
Luminous Opening: Circular (Dia: 1.47' x H: 0')  
CIE Type: Direct

Input Watts (W): 159.8  
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  | 50  | 30 | 10 | 50 | 30 | 10 |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    |    |  |  |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |    |    |    |    |    |  |  |
| 2   | 106 | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 96  | 92  | 89  | 93  | 90  | 87  | 90  | 88  | 85  | 84  |    |    |    |    |    |  |  |
| 3   | 100 | 93  | 87  | 82  | 98  | 91  | 86  | 82  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 80  | 78  | 76  |    |    |    |    |    |  |  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  | 80  | 75  | 72  | 78  | 74  | 71  | 69  |    |    |    |    |    |  |  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |    |    |    |  |  |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 64  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 58  |    |    |    |    |    |  |  |
| 7   | 78  | 67  | 60  | 56  | 76  | 66  | 60  | 55  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 53  |    |    |    |    |    |  |  |
| 8   | 73  | 62  | 56  | 51  | 72  | 62  | 55  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 49  |    |    |    |    |    |  |  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 55  | 50  | 46  | 45  |    |    |    |    |    |  |  |
| 10  | 65  | 54  | 48  | 43  | 64  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 41  |    |    |    |    |    |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 88554 |
| 5°  | 88578 |
| 10° | 88204 |
| 15° | 87805 |
| 20° | 86854 |
| 25° | 85389 |
| 30° | 81412 |
| 35° | 69093 |
| 40° | 51858 |
| 45° | 35993 |
| 50° | 20662 |
| 55° | 6655  |
| 60° | 3067  |
| 65° | 856   |
| 70° | 553   |
| 75° | 583   |
| 80° | 620   |
| 85° | 621   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 35993 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1315.2  | 6.6       |
| 10°-20°   | 3751.9  | 18.7      |
| 20°-30°   | 5562.6  | 27.7      |
| 30°-40°   | 5467.6  | 27.3      |
| 40°-50°   | 3098.5  | 15.5      |
| 50°-60°   | 732.0   | 3.7       |
| 60°-70°   | 84.7    | 0.4       |
| 70°-80°   | 24.9    | 0.1       |
| 80°-90°   | 9.5     | 0.0       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-30°    | 10629.7 | 53.0      |
| 0°-40°    | 16097.3 | 80.3      |
| 0°-60°    | 19927.8 | 99.4      |
| 0°-90°    | 20046.9 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 20046.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 13899 |      |
| 5°  | 13850 | ###  |
| 15° | 13312 | 3752 |
| 25° | 12147 | 5563 |
| 35° | 8883  | 5468 |
| 45° | 3995  | 3098 |
| 55° | 599   | 732  |
| 65° | 57    | 85   |
| 75° | 24    | 25   |
| 85° | 8     | 9    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 13899.2 |
| 2.5°  | 13869.6 |
| 5°    | 13850.1 |
| 7.5°  | 13772.1 |
| 10°   | 13634.0 |
| 12.5° | 13487.4 |
| 15°   | 13312.0 |
| 17.5° | 13087.4 |
| 20°   | 12810.3 |
| 22.5° | 12512.0 |
| 25°   | 12146.8 |
| 27.5° | 11674.8 |
| 30°   | 11066.3 |
| 32.5° | 10093.5 |
| 35°   | 8883.4  |
| 37.5° | 7569.9  |
| 40°   | 6235.2  |
| 42.5° | 5048.0  |
| 45°   | 3994.7  |
| 47.5° | 3025.3  |
| 50°   | 2084.6  |
| 52.5° | 1172.0  |
| 55°   | 599.1   |
| 57.5° | 396.6   |
| 60°   | 240.7   |
| 62.5° | 118.6   |
| 65°   | 56.8    |
| 67.5° | 35.6    |
| 70°   | 29.7    |
| 72.5° | 27.1    |
| 75°   | 23.7    |
| 77.5° | 20.3    |
| 80°   | 16.9    |
| 82.5° | 12.7    |
| 85°   | 8.5     |
| 87.5° | 5.1     |
| 90°   | 0.0     |

(END OF REPORT)