

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: P1504884

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L16\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504884  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-63)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K\_L16\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

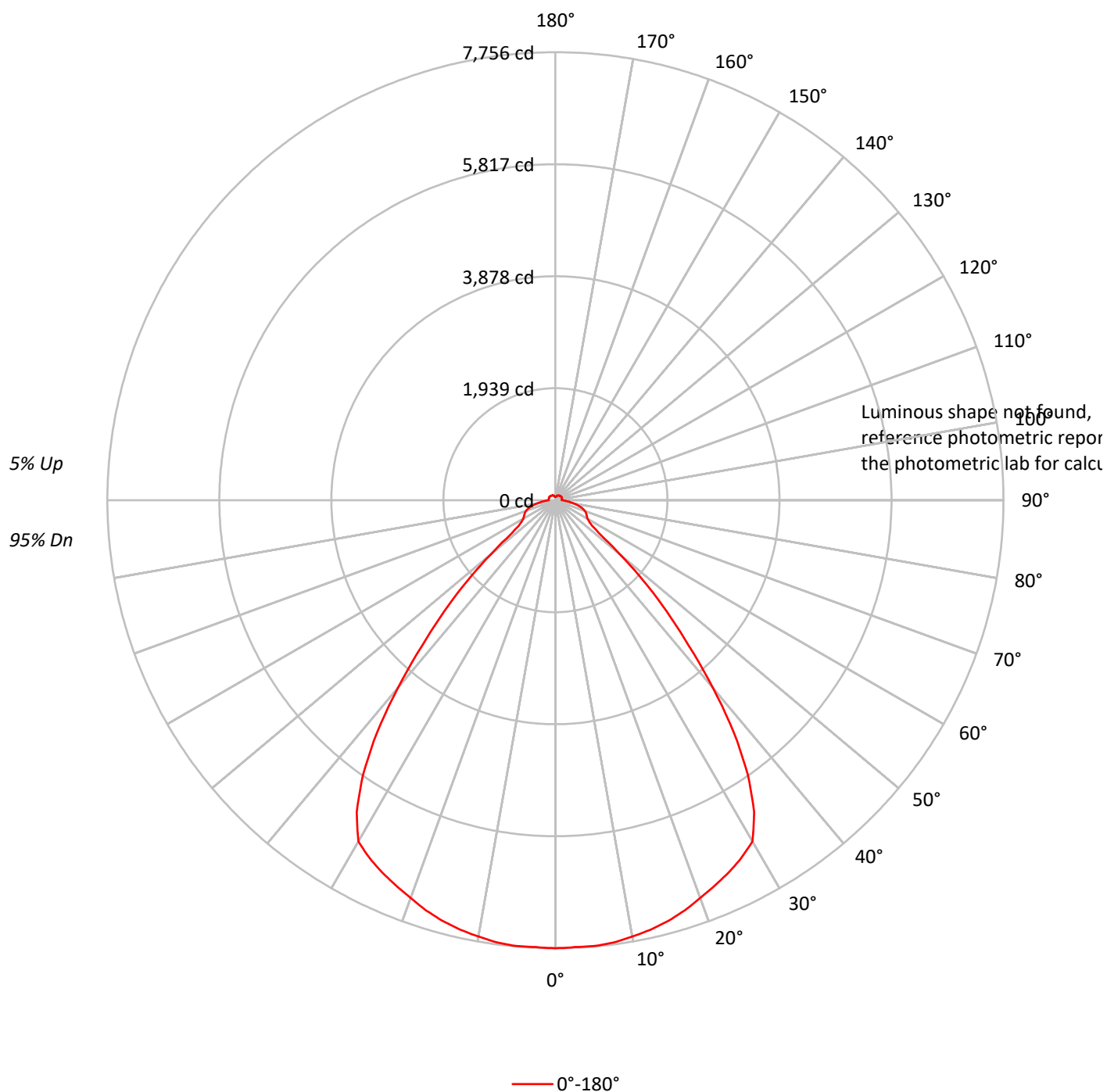
Lumens per Lamp: N/A  
Luminaire Lumens: 14562.2 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 102.5  
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 | 106 | 102 | 99  | 107 | 103 | 100 | 97  | 98  | 96  | 93  | 94  | 92  | 90  | 89 | 88 | 86 | 84 |  |  |
| 2   | 102 | 95  | 90  | 85  | 99  | 93  | 88  | 84  | 89  | 85  | 81  | 85  | 82  | 79  | 82 | 79 | 77 | 74 |  |  |
| 3   | 95  | 86  | 80  | 75  | 92  | 85  | 79  | 74  | 81  | 76  | 72  | 78  | 74  | 70  | 75 | 71 | 68 | 66 |  |  |
| 4   | 89  | 79  | 71  | 66  | 86  | 77  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 69 | 65 | 61 | 59 |  |  |
| 5   | 83  | 72  | 64  | 59  | 80  | 71  | 64  | 58  | 68  | 62  | 57  | 66  | 60  | 56  | 64 | 59 | 55 | 53 |  |  |
| 6   | 77  | 66  | 58  | 53  | 75  | 65  | 58  | 53  | 63  | 56  | 52  | 61  | 55  | 51  | 59 | 54 | 50 | 48 |  |  |
| 7   | 72  | 61  | 53  | 48  | 70  | 60  | 53  | 48  | 58  | 52  | 47  | 56  | 51  | 46  | 55 | 50 | 46 | 44 |  |  |
| 8   | 68  | 56  | 49  | 44  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 52  | 47  | 42  | 51 | 46 | 42 | 40 |  |  |
| 9   | 64  | 52  | 45  | 40  | 62  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 43  | 39  | 47 | 42 | 39 | 37 |  |  |
| 10  | 60  | 48  | 41  | 37  | 59  | 48  | 41  | 37  | 47  | 40  | 36  | 45  | 40  | 36  | 44 | 39 | 36 | 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°    | 737.0   | 5.1       |
| 10°-20°   | 2128.2  | 14.6      |
| 20°-30°   | 3276.9  | 22.5      |
| 30°-40°   | 3552.3  | 24.4      |
| 40°-50°   | 2112.1  | 14.5      |
| 50°-60°   | 781.1   | 5.4       |
| 60°-70°   | 587.9   | 4.0       |
| 70°-80°   | 467.3   | 3.2       |
| 80°-90°   | 230.2   | 1.6       |
| 90°-100°  | 125.5   | 0.9       |
| 100°-110° | 125.6   | 0.9       |
| 110°-120° | 117.9   | 0.8       |
| 120°-130° | 103.4   | 0.7       |
| 130°-140° | 84.4    | 0.6       |
| 140°-150° | 63.6    | 0.4       |
| 150°-160° | 42.1    | 0.3       |
| 160°-170° | 21.0    | 0.1       |
| 170°-180° | 5.6     | 0.0       |
| 0°-30°    | 6142.1  | 42.2      |
| 0°-40°    | 9694.5  | 66.6      |
| 0°-60°    | 12587.7 | 86.4      |
| 0°-90°    | 13873.1 | 95.3      |
| 90°-120°  | 369.0   | 2.5       |
| 90°-150°  | 620.4   | 4.3       |
| 90°-180°  | 689.0   | 4.7       |
| 0°-180°   | 14562.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 7756 |      |
| 5°   | 7748 | 737  |
| 15°  | 7540 | 2128 |
| 25°  | 7106 | 3277 |
| 35°  | 5810 | 3552 |
| 45°  | 2720 | 2112 |
| 55°  | 774  | 781  |
| 65°  | 593  | 588  |
| 75°  | 449  | 467  |
| 85°  | 206  | 193  |
| 90°  | 115  | 68   |
| 95°  | 115  | 94   |
| 105° | 118  | 126  |
| 115° | 118  | 118  |
| 125° | 116  | 103  |
| 135° | 109  | 84   |
| 145° | 101  | 64   |
| 155° | 91   | 42   |
| 165° | 73   | 21   |
| 175° | 56   | 6    |
| 180° | 56   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 7756.2 |
| 2.5°   | 7743.7 |
| 5°     | 7747.6 |
| 7.5°   | 7723.5 |
| 10°    | 7669.5 |
| 12.5°  | 7614.6 |
| 15°    | 7540.4 |
| 17.5°  | 7445.1 |
| 20°    | 7329.5 |
| 22.5°  | 7217.7 |
| 25°    | 7106.0 |
| 27.5°  | 6976.9 |
| 30°    | 6822.7 |
| 32.5°  | 6401.7 |
| 35°    | 5810.2 |
| 37.5°  | 5078.0 |
| 40°    | 4241.8 |
| 42.5°  | 3415.2 |
| 45°    | 2719.6 |
| 47.5°  | 2068.4 |
| 50°    | 1469.2 |
| 52.5°  | 984.6  |
| 55°    | 773.6  |
| 57.5°  | 697.5  |
| 60°    | 640.7  |
| 62.5°  | 615.6  |
| 65°    | 593.4  |
| 67.5°  | 571.3  |
| 70°    | 541.4  |
| 72.5°  | 500.0  |
| 75°    | 448.9  |
| 77.5°  | 388.2  |
| 80°    | 324.7  |
| 82.5°  | 263.0  |
| 85°    | 206.2  |
| 87.5°  | 156.1  |
| 90°    | 114.6  |
| 92.5°  | 112.7  |
| 95°    | 114.6  |
| 97.5°  | 116.6  |
| 100°   | 117.5  |
| 102.5° | 118.5  |
| 105°   | 118.5  |
| 107.5° | 119.5  |
| 110°   | 119.5  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 119.5 |
| 115°   | 118.5 |
| 117.5° | 118.5 |
| 120°   | 117.5 |
| 122.5° | 116.6 |
| 125°   | 115.6 |
| 127.5° | 113.7 |
| 130°   | 112.7 |
| 132.5° | 110.8 |
| 135°   | 108.9 |
| 137.5° | 106.9 |
| 140°   | 105.0 |
| 142.5° | 103.1 |
| 145°   | 101.2 |
| 147.5° | 99.2  |
| 150°   | 97.3  |
| 152.5° | 94.4  |
| 155°   | 90.6  |
| 157.5° | 86.7  |
| 160°   | 82.9  |
| 162.5° | 78.0  |
| 165°   | 73.2  |
| 167.5° | 68.4  |
| 170°   | 63.6  |
| 172.5° | 58.8  |
| 175°   | 55.9  |
| 177.5° | 56.8  |
| 180°   | 55.9  |

(END OF REPORT)