

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: P1504666

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K\_L16\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504666  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)  
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-04-TRWH-PS (3000K\_L16\_Medium\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 2 - 16,000 LUMENS  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

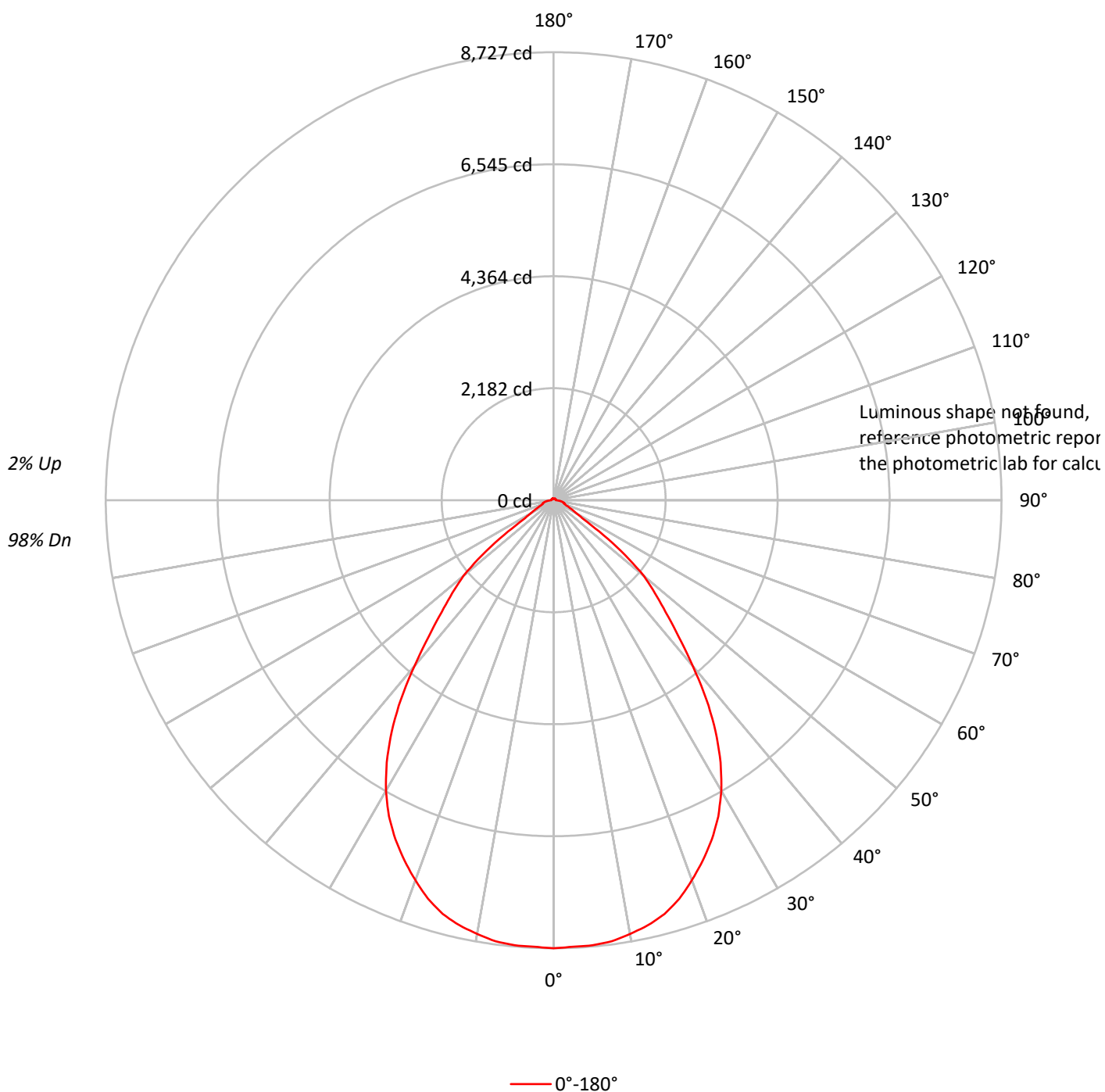
Lumens per Lamp: N/A  
Luminaire Lumens: 14385.1 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13  
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 102.3  
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





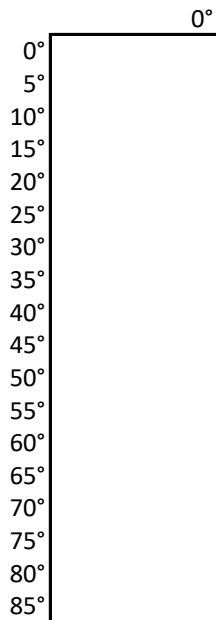
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### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|
| 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 | 100 | 100 | 100 | 98 |  |  |
| 1   | 111 | 108 | 105 | 102 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88 |  |  |
| 2   | 104 | 98  | 93  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 83  | 81  | 79 |  |  |
| 3   | 97  | 89  | 82  | 77  | 95  | 87  | 81  | 77  | 84  | 79  | 75  | 81  | 77  | 74  | 79  | 75  | 72  | 70 |  |  |
| 4   | 90  | 81  | 74  | 69  | 88  | 80  | 73  | 68  | 77  | 71  | 67  | 75  | 70  | 66  | 72  | 68  | 65  | 63 |  |  |
| 5   | 84  | 74  | 67  | 61  | 82  | 73  | 66  | 61  | 71  | 65  | 60  | 69  | 64  | 60  | 67  | 62  | 59  | 57 |  |  |
| 6   | 79  | 68  | 61  | 55  | 77  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 62  | 57  | 53  | 52 |  |  |
| 7   | 74  | 63  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 57  | 52  | 49  | 47 |  |  |
| 8   | 69  | 58  | 51  | 46  | 68  | 57  | 50  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 53  | 48  | 45  | 43 |  |  |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 50  | 45  | 41  | 39 |  |  |
| 10  | 62  | 50  | 43  | 39  | 60  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 826.9   | 5.7       |
| 10°-20°   | 2342.4  | 16.3      |
| 20°-30°   | 3342.1  | 23.2      |
| 30°-40°   | 3398.3  | 23.6      |
| 40°-50°   | 2422.5  | 16.8      |
| 50°-60°   | 1112.2  | 7.7       |
| 60°-70°   | 348.0   | 2.4       |
| 70°-80°   | 219.2   | 1.5       |
| 80°-90°   | 116.5   | 0.8       |
| 90°-100°  | 45.5    | 0.3       |
| 100°-110° | 45.9    | 0.3       |
| 110°-120° | 43.1    | 0.3       |
| 120°-130° | 37.8    | 0.3       |
| 130°-140° | 31.7    | 0.2       |
| 140°-150° | 24.9    | 0.2       |
| 150°-160° | 16.9    | 0.1       |
| 160°-170° | 8.8     | 0.1       |
| 170°-180° | 2.5     | 0.0       |
| 0°-30°    | 6511.5  | 45.3      |
| 0°-40°    | 9909.8  | 68.9      |
| 0°-60°    | 13444.5 | 93.5      |
| 0°-90°    | 14128.0 | 98.2      |
| 90°-120°  | 134.4   | 0.9       |
| 90°-150°  | 228.9   | 1.6       |
| 90°-180°  | 257.0   | 1.8       |
| 0°-180°   | 14385.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 8727 |      |
| 5°   | 8704 | 827  |
| 15°  | 8344 | 2342 |
| 25°  | 7292 | 3342 |
| 35°  | 5502 | 3398 |
| 45°  | 3081 | 2422 |
| 55°  | 1179 | 1112 |
| 65°  | 334  | 348  |
| 75°  | 210  | 219  |
| 85°  | 108  | 101  |
| 90°  | 42   | 27   |
| 95°  | 42   | 34   |
| 105° | 44   | 46   |
| 115° | 44   | 43   |
| 125° | 42   | 38   |
| 135° | 41   | 32   |
| 145° | 40   | 25   |
| 155° | 37   | 17   |
| 165° | 31   | 9    |
| 175° | 25   | 2    |
| 180° | 25   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 8727.2 |
| 2.5°   | 8704.9 |
| 5°     | 8704.0 |
| 7.5°   | 8665.3 |
| 10°    | 8579.3 |
| 12.5°  | 8481.7 |
| 15°    | 8344.5 |
| 17.5°  | 8140.6 |
| 20°    | 7876.8 |
| 22.5°  | 7594.6 |
| 25°    | 7292.1 |
| 27.5°  | 6944.2 |
| 30°    | 6535.5 |
| 32.5°  | 6052.3 |
| 35°    | 5501.5 |
| 37.5°  | 4889.8 |
| 40°    | 4216.2 |
| 42.5°  | 3604.5 |
| 45°    | 3080.7 |
| 47.5°  | 2676.8 |
| 50°    | 2291.2 |
| 52.5°  | 1761.7 |
| 55°    | 1179.0 |
| 57.5°  | 683.2  |
| 60°    | 525.7  |
| 62.5°  | 416.5  |
| 65°    | 334.4  |
| 67.5°  | 274.4  |
| 70°    | 242.6  |
| 72.5°  | 222.3  |
| 75°    | 209.7  |
| 77.5°  | 192.3  |
| 80°    | 168.1  |
| 82.5°  | 140.1  |
| 85°    | 108.2  |
| 87.5°  | 74.4   |
| 90°    | 41.6   |
| 92.5°  | 40.6   |
| 95°    | 41.6   |
| 97.5°  | 42.5   |
| 100°   | 42.5   |
| 102.5° | 43.5   |
| 105°   | 43.5   |
| 107.5° | 43.5   |
| 110°   | 43.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 43.5 |
| 115°   | 43.5 |
| 117.5° | 43.5 |
| 120°   | 42.5 |
| 122.5° | 42.5 |
| 125°   | 42.5 |
| 127.5° | 41.6 |
| 130°   | 41.6 |
| 132.5° | 41.6 |
| 135°   | 40.6 |
| 137.5° | 40.6 |
| 140°   | 40.6 |
| 142.5° | 39.6 |
| 145°   | 39.6 |
| 147.5° | 39.6 |
| 150°   | 38.7 |
| 152.5° | 37.7 |
| 155°   | 36.7 |
| 157.5° | 34.8 |
| 160°   | 33.8 |
| 162.5° | 31.9 |
| 165°   | 30.9 |
| 167.5° | 29.0 |
| 170°   | 27.1 |
| 172.5° | 26.1 |
| 175°   | 25.1 |
| 177.5° | 25.1 |
| 180°   | 25.1 |

(END OF REPORT)