

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: P1504833

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K\_L18\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504833  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)  
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-CLER-PS (5000K\_L18\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 18,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

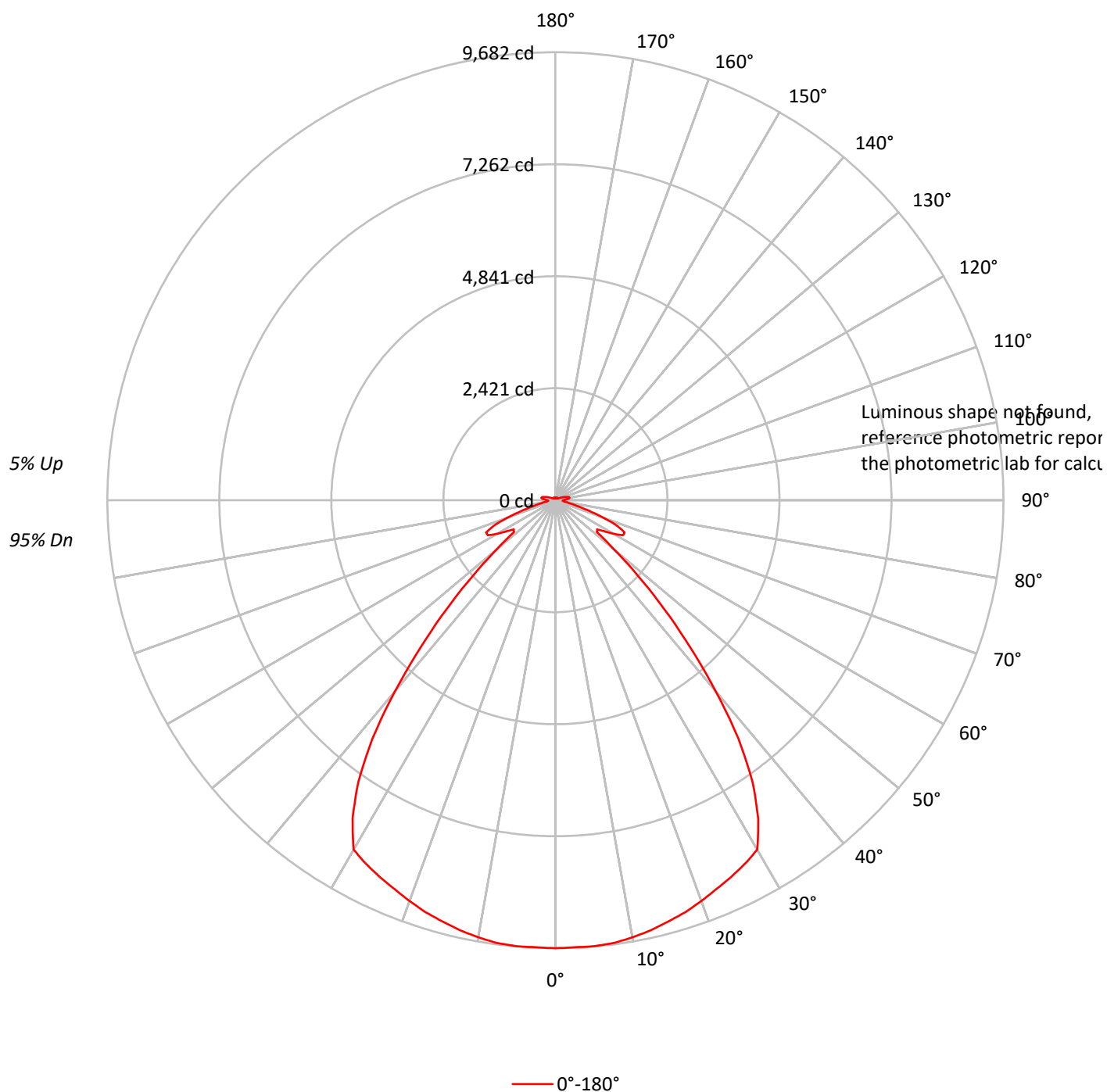
Lumens per Lamp: N/A  
Luminaire Lumens: 19149.0 lumens  
Efficiency: N/A  
Efficacy: 159.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 120.1  
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 | 103 | 103 | 103 | 98 | 98 | 98 | 95 |  |  |
| 1   | 110 | 106 | 102 | 99  | 107 | 103 | 100 | 97  | 98  | 96  | 93  | 93  | 91  | 90  | 89 | 88 | 86 | 84 |  |  |
| 2   | 102 | 95  | 89  | 84  | 99  | 93  | 87  | 83  | 88  | 84  | 81  | 85  | 81  | 78  | 81 | 78 | 76 | 74 |  |  |
| 3   | 94  | 85  | 79  | 73  | 92  | 84  | 77  | 72  | 80  | 75  | 70  | 77  | 72  | 69  | 74 | 70 | 67 | 65 |  |  |
| 4   | 88  | 77  | 70  | 64  | 85  | 76  | 69  | 64  | 73  | 67  | 62  | 70  | 65  | 61  | 68 | 63 | 60 | 58 |  |  |
| 5   | 82  | 71  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 60  | 56  | 64  | 59  | 55  | 62 | 57 | 54 | 52 |  |  |
| 6   | 76  | 65  | 57  | 51  | 74  | 63  | 56  | 51  | 61  | 55  | 50  | 59  | 54  | 49  | 57 | 52 | 49 | 47 |  |  |
| 7   | 71  | 59  | 52  | 46  | 69  | 58  | 51  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 53 | 48 | 44 | 42 |  |  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 52  | 46  | 41  | 51  | 45  | 41  | 49 | 44 | 40 | 39 |  |  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 47  | 42  | 37  | 46 | 41 | 37 | 35 |  |  |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 43 | 38 | 34 | 33 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 920.8   | 4.8       |
| 10°-20°   | 2665.0  | 13.9      |
| 20°-30°   | 4148.2  | 21.7      |
| 30°-40°   | 4534.1  | 23.7      |
| 40°-50°   | 2585.9  | 13.5      |
| 50°-60°   | 1123.9  | 5.9       |
| 60°-70°   | 1494.1  | 7.8       |
| 70°-80°   | 596.9   | 3.1       |
| 80°-90°   | 186.9   | 1.0       |
| 90°-100°  | 269.6   | 1.4       |
| 100°-110° | 281.8   | 1.5       |
| 110°-120° | 139.0   | 0.7       |
| 120°-130° | 65.1    | 0.3       |
| 130°-140° | 51.1    | 0.3       |
| 140°-150° | 39.9    | 0.2       |
| 150°-160° | 26.8    | 0.1       |
| 160°-170° | 15.3    | 0.1       |
| 170°-180° | 4.4     | 0.0       |
| 0°-30°    | 7734.0  | 40.4      |
| 0°-40°    | 12268.1 | 64.1      |
| 0°-60°    | 15977.9 | 83.4      |
| 0°-90°    | 18255.8 | 95.3      |
| 90°-120°  | 690.5   | 3.6       |
| 90°-150°  | 846.6   | 4.4       |
| 90°-180°  | 893.0   | 4.7       |
| 0°-180°   | 19149.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 9682 |      |
| 5°   | 9674 | 921  |
| 15°  | 9425 | 2665 |
| 25°  | 8981 | 4148 |
| 35°  | 7423 | 4534 |
| 45°  | 3325 | 2586 |
| 55°  | 1098 | 1124 |
| 65°  | 1652 | 1494 |
| 75°  | 502  | 597  |
| 85°  | 156  | 142  |
| 90°  | 170  | 96   |
| 95°  | 250  | 218  |
| 105° | 272  | 282  |
| 115° | 135  | 139  |
| 125° | 70   | 65   |
| 135° | 66   | 51   |
| 145° | 64   | 40   |
| 155° | 58   | 27   |
| 165° | 54   | 15   |
| 175° | 46   | 4    |
| 180° | 47   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 9682.3 |
| 2.5°   | 9668.0 |
| 5°     | 9673.9 |
| 7.5°   | 9650.0 |
| 10°    | 9590.1 |
| 12.5°  | 9519.5 |
| 15°    | 9424.9 |
| 17.5°  | 9333.9 |
| 20°    | 9217.7 |
| 22.5°  | 9094.4 |
| 25°    | 8980.6 |
| 27.5°  | 8860.9 |
| 30°    | 8719.6 |
| 32.5°  | 8156.8 |
| 35°    | 7422.8 |
| 37.5°  | 6494.8 |
| 40°    | 5390.8 |
| 42.5°  | 4299.9 |
| 45°    | 3325.2 |
| 47.5°  | 2418.8 |
| 50°    | 1644.1 |
| 52.5°  | 1129.2 |
| 55°    | 1098.0 |
| 57.5°  | 1239.3 |
| 60°    | 1447.7 |
| 62.5°  | 1645.3 |
| 65°    | 1652.4 |
| 67.5°  | 1450.1 |
| 70°    | 1116.0 |
| 72.5°  | 764.0  |
| 75°    | 501.7  |
| 77.5°  | 331.7  |
| 80°    | 228.7  |
| 82.5°  | 176.0  |
| 85°    | 155.7  |
| 87.5°  | 154.5  |
| 90°    | 170.0  |
| 92.5°  | 206.0  |
| 95°    | 250.3  |
| 97.5°  | 292.2  |
| 100°   | 311.3  |
| 102.5° | 301.7  |
| 105°   | 271.8  |
| 107.5° | 234.7  |
| 110°   | 200.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 166.4 |
| 115°   | 135.3 |
| 117.5° | 110.2 |
| 120°   | 91.0  |
| 122.5° | 77.8  |
| 125°   | 69.5  |
| 127.5° | 64.7  |
| 130°   | 63.5  |
| 132.5° | 64.7  |
| 135°   | 65.9  |
| 137.5° | 68.3  |
| 140°   | 67.1  |
| 142.5° | 65.9  |
| 145°   | 63.5  |
| 147.5° | 61.1  |
| 150°   | 58.7  |
| 152.5° | 58.7  |
| 155°   | 57.5  |
| 157.5° | 57.5  |
| 160°   | 57.5  |
| 162.5° | 56.3  |
| 165°   | 53.9  |
| 167.5° | 51.5  |
| 170°   | 47.9  |
| 172.5° | 45.5  |
| 175°   | 45.5  |
| 177.5° | 46.7  |
| 180°   | 46.7  |

(END OF REPORT)