

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: P1504439

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K\_L12\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504439  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)  
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-A-06-CLER-PS (3000K\_L12\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

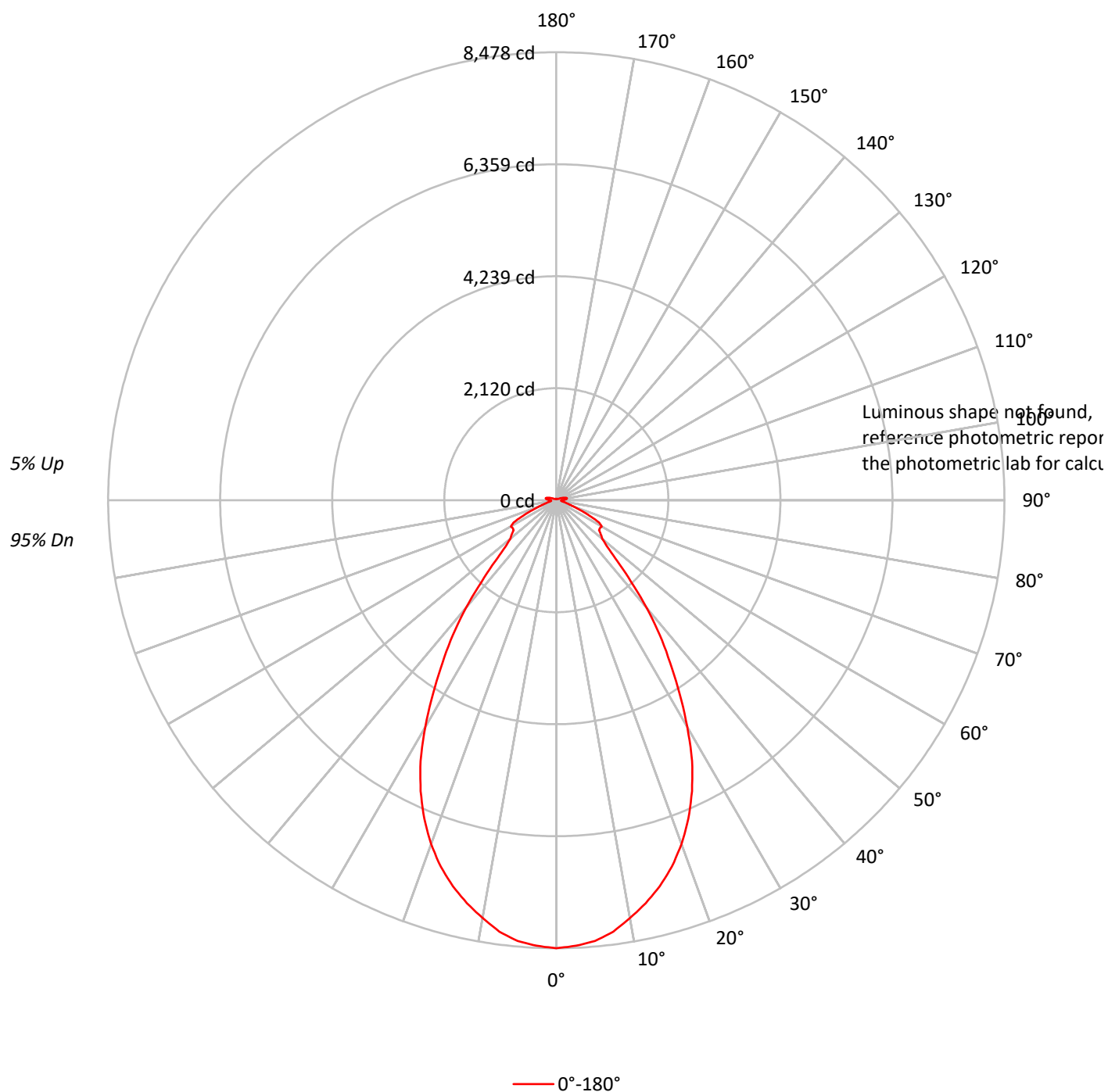
Lumens per Lamp: N/A  
Luminaire Lumens: 11825.2 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98  
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 82.8  
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 | 0  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |  |
| 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 108 | 108 | 108 | 103 | 103 | 103 | 98 | 98 | 98 | 95 |  |  |
| 1   | 110 | 107 | 103 | 100 | 107 | 104 | 101 | 98  | 99  | 97  | 94  | 94  | 92  | 91  | 90 | 89 | 87 | 85 |  |  |
| 2   | 103 | 96  | 91  | 87  | 100 | 94  | 89  | 85  | 90  | 86  | 83  | 86  | 83  | 80  | 83 | 80 | 78 | 76 |  |  |
| 3   | 96  | 88  | 81  | 76  | 93  | 86  | 80  | 75  | 82  | 77  | 73  | 79  | 75  | 71  | 76 | 73 | 70 | 68 |  |  |
| 4   | 89  | 80  | 73  | 68  | 87  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 64  | 70 | 66 | 63 | 61 |  |  |
| 5   | 84  | 73  | 66  | 61  | 81  | 72  | 65  | 60  | 69  | 64  | 59  | 67  | 62  | 58  | 65 | 61 | 57 | 55 |  |  |
| 6   | 78  | 68  | 60  | 55  | 76  | 66  | 60  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 60 | 56 | 52 | 50 |  |  |
| 7   | 74  | 62  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 56 | 52 | 48 | 46 |  |  |
| 8   | 69  | 58  | 51  | 46  | 68  | 57  | 50  | 46  | 56  | 50  | 45  | 54  | 49  | 45  | 53 | 48 | 44 | 43 |  |  |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 49 | 45 | 41 | 39 |  |  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47 | 42 | 38 | 37 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 788.2   | 6.7       |
| 10°-20°   | 2118.4  | 17.9      |
| 20°-30°   | 2761.9  | 23.4      |
| 30°-40°   | 2345.8  | 19.8      |
| 40°-50°   | 1324.4  | 11.2      |
| 50°-60°   | 916.0   | 7.7       |
| 60°-70°   | 678.1   | 5.7       |
| 70°-80°   | 214.9   | 1.8       |
| 80°-90°   | 112.4   | 1.0       |
| 90°-100°  | 183.8   | 1.6       |
| 100°-110° | 185.5   | 1.6       |
| 110°-120° | 88.4    | 0.7       |
| 120°-130° | 37.3    | 0.3       |
| 130°-140° | 25.8    | 0.2       |
| 140°-150° | 20.2    | 0.2       |
| 150°-160° | 14.4    | 0.1       |
| 160°-170° | 7.7     | 0.1       |
| 170°-180° | 2.1     | 0.0       |
| 0°-30°    | 5668.4  | 47.9      |
| 0°-40°    | 8014.2  | 67.8      |
| 0°-60°    | 10254.7 | 86.7      |
| 0°-90°    | 11260.1 | 95.2      |
| 90°-120°  | 457.6   | 3.9       |
| 90°-150°  | 541.0   | 4.6       |
| 90°-180°  | 565.0   | 4.8       |
| 0°-180°   | 11825.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 8478 |      |
| 5°   | 8372 | 788  |
| 15°  | 7561 | 2118 |
| 25°  | 6072 | 2762 |
| 35°  | 3751 | 2346 |
| 45°  | 1630 | 1324 |
| 55°  | 988  | 916  |
| 65°  | 694  | 678  |
| 75°  | 193  | 215  |
| 85°  | 95   | 82   |
| 90°  | 120  | 67   |
| 95°  | 172  | 148  |
| 105° | 178  | 185  |
| 115° | 86   | 88   |
| 125° | 40   | 37   |
| 135° | 33   | 26   |
| 145° | 32   | 20   |
| 155° | 31   | 14   |
| 165° | 27   | 8    |
| 175° | 20   | 2    |
| 180° | 20   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 8477.9 |
| 2.5°   | 8439.8 |
| 5°     | 8372.5 |
| 7.5°   | 8235.4 |
| 10°    | 8027.9 |
| 12.5°  | 7809.0 |
| 15°    | 7560.8 |
| 17.5°  | 7269.8 |
| 20°    | 6922.7 |
| 22.5°  | 6524.6 |
| 25°    | 6072.2 |
| 27.5°  | 5560.6 |
| 30°    | 4954.1 |
| 32.5°  | 4339.5 |
| 35°    | 3750.8 |
| 37.5°  | 3214.1 |
| 40°    | 2665.1 |
| 42.5°  | 2091.9 |
| 45°    | 1629.7 |
| 47.5°  | 1305.4 |
| 50°    | 1131.9 |
| 52.5°  | 1062.2 |
| 55°    | 987.6  |
| 57.5°  | 977.0  |
| 60°    | 994.1  |
| 62.5°  | 904.9  |
| 65°    | 694.1  |
| 67.5°  | 485.7  |
| 70°    | 338.9  |
| 72.5°  | 251.4  |
| 75°    | 193.0  |
| 77.5°  | 145.1  |
| 80°    | 113.5  |
| 82.5°  | 97.3   |
| 85°    | 94.9   |
| 87.5°  | 103.0  |
| 90°    | 120.0  |
| 92.5°  | 144.3  |
| 95°    | 171.9  |
| 97.5°  | 195.4  |
| 100°   | 205.1  |
| 102.5° | 197.8  |
| 105°   | 178.4  |
| 107.5° | 155.7  |
| 110°   | 131.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 107.0 |
| 115°   | 85.9  |
| 117.5° | 68.1  |
| 120°   | 55.1  |
| 122.5° | 45.4  |
| 125°   | 39.7  |
| 127.5° | 35.7  |
| 130°   | 34.1  |
| 132.5° | 33.2  |
| 135°   | 33.2  |
| 137.5° | 33.2  |
| 140°   | 33.2  |
| 142.5° | 32.4  |
| 145°   | 32.4  |
| 147.5° | 31.6  |
| 150°   | 31.6  |
| 152.5° | 31.6  |
| 155°   | 30.8  |
| 157.5° | 30.8  |
| 160°   | 30.0  |
| 162.5° | 29.2  |
| 165°   | 26.8  |
| 167.5° | 25.1  |
| 170°   | 23.5  |
| 172.5° | 21.9  |
| 175°   | 20.3  |
| 177.5° | 20.3  |
| 180°   | 20.3  |

(END OF REPORT)