

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: P1504863

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K\_L12\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504863  
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 (4000K\_L12\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 12,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

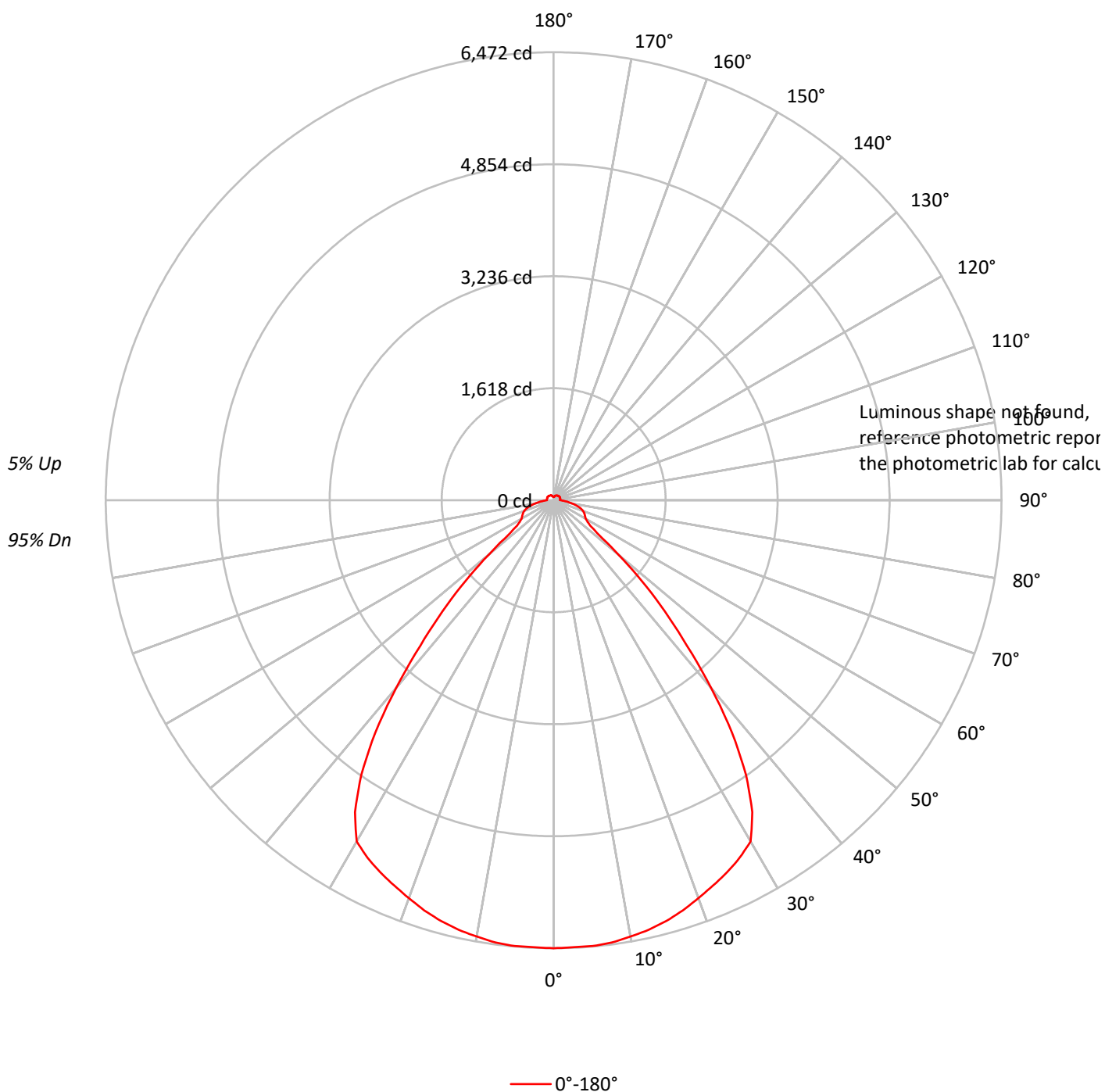
Lumens per Lamp: N/A  
Luminaire Lumens: 12152.1 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18  
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')  
CIE Type: Direct

Input Watts (W): 80.7  
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°    | 615.1   | 5.1       |
| 10°-20°   | 1775.9  | 14.6      |
| 20°-30°   | 2734.6  | 22.5      |
| 30°-40°   | 2964.4  | 24.4      |
| 40°-50°   | 1762.6  | 14.5      |
| 50°-60°   | 651.8   | 5.4       |
| 60°-70°   | 490.5   | 4.0       |
| 70°-80°   | 390.0   | 3.2       |
| 80°-90°   | 192.1   | 1.6       |
| 90°-100°  | 104.7   | 0.9       |
| 100°-110° | 104.8   | 0.9       |
| 110°-120° | 98.4    | 0.8       |
| 120°-130° | 86.3    | 0.7       |
| 130°-140° | 70.4    | 0.6       |
| 140°-150° | 53.1    | 0.4       |
| 150°-160° | 35.1    | 0.3       |
| 160°-170° | 17.6    | 0.1       |
| 170°-180° | 4.7     | 0.0       |
| 0°-30°    | 5125.6  | 42.2      |
| 0°-40°    | 8090.0  | 66.6      |
| 0°-60°    | 10504.4 | 86.4      |
| 0°-90°    | 11577.0 | 95.3      |
| 90°-120°  | 307.9   | 2.5       |
| 90°-150°  | 517.8   | 4.3       |
| 90°-180°  | 575.0   | 4.7       |
| 0°-180°   | 12152.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 6472 |      |
| 5°   | 6465 | 615  |
| 15°  | 6292 | 1776 |
| 25°  | 5930 | 2735 |
| 35°  | 4849 | 2964 |
| 45°  | 2270 | 1763 |
| 55°  | 646  | 652  |
| 65°  | 495  | 491  |
| 75°  | 375  | 390  |
| 85°  | 172  | 161  |
| 90°  | 96   | 57   |
| 95°  | 96   | 79   |
| 105° | 99   | 105  |
| 115° | 99   | 98   |
| 125° | 96   | 86   |
| 135° | 91   | 70   |
| 145° | 84   | 53   |
| 155° | 76   | 35   |
| 165° | 61   | 18   |
| 175° | 47   | 5    |
| 180° | 47   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 6472.5 |
| 2.5°   | 6462.1 |
| 5°     | 6465.3 |
| 7.5°   | 6445.2 |
| 10°    | 6400.2 |
| 12.5°  | 6354.4 |
| 15°    | 6292.5 |
| 17.5°  | 6212.9 |
| 20°    | 6116.4 |
| 22.5°  | 6023.1 |
| 25°    | 5929.9 |
| 27.5°  | 5822.1 |
| 30°    | 5693.5 |
| 32.5°  | 5342.2 |
| 35°    | 4848.6 |
| 37.5°  | 4237.6 |
| 40°    | 3539.8 |
| 42.5°  | 2850.0 |
| 45°    | 2269.5 |
| 47.5°  | 1726.1 |
| 50°    | 1226.0 |
| 52.5°  | 821.6  |
| 55°    | 645.6  |
| 57.5°  | 582.1  |
| 60°    | 534.6  |
| 62.5°  | 513.7  |
| 65°    | 495.2  |
| 67.5°  | 476.7  |
| 70°    | 451.8  |
| 72.5°  | 417.2  |
| 75°    | 374.6  |
| 77.5°  | 324.0  |
| 80°    | 270.9  |
| 82.5°  | 219.5  |
| 85°    | 172.0  |
| 87.5°  | 130.2  |
| 90°    | 95.7   |
| 92.5°  | 94.1   |
| 95°    | 95.7   |
| 97.5°  | 97.3   |
| 100°   | 98.1   |
| 102.5° | 98.9   |
| 105°   | 98.9   |
| 107.5° | 99.7   |
| 110°   | 99.7   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 99.7 |
| 115°   | 98.9 |
| 117.5° | 98.9 |
| 120°   | 98.1 |
| 122.5° | 97.3 |
| 125°   | 96.5 |
| 127.5° | 94.9 |
| 130°   | 94.1 |
| 132.5° | 92.5 |
| 135°   | 90.8 |
| 137.5° | 89.2 |
| 140°   | 87.6 |
| 142.5° | 86.0 |
| 145°   | 84.4 |
| 147.5° | 82.8 |
| 150°   | 81.2 |
| 152.5° | 78.8 |
| 155°   | 75.6 |
| 157.5° | 72.4 |
| 160°   | 69.1 |
| 162.5° | 65.1 |
| 165°   | 61.1 |
| 167.5° | 57.1 |
| 170°   | 53.1 |
| 172.5° | 49.0 |
| 175°   | 46.6 |
| 177.5° | 47.4 |
| 180°   | 46.6 |

(END OF REPORT)