

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1046964

Luminaire Tested: 22PTR-35-PR1-L830-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-35-PR1-L830-UNV-STD-W  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source:  
Ballast/Driver: -

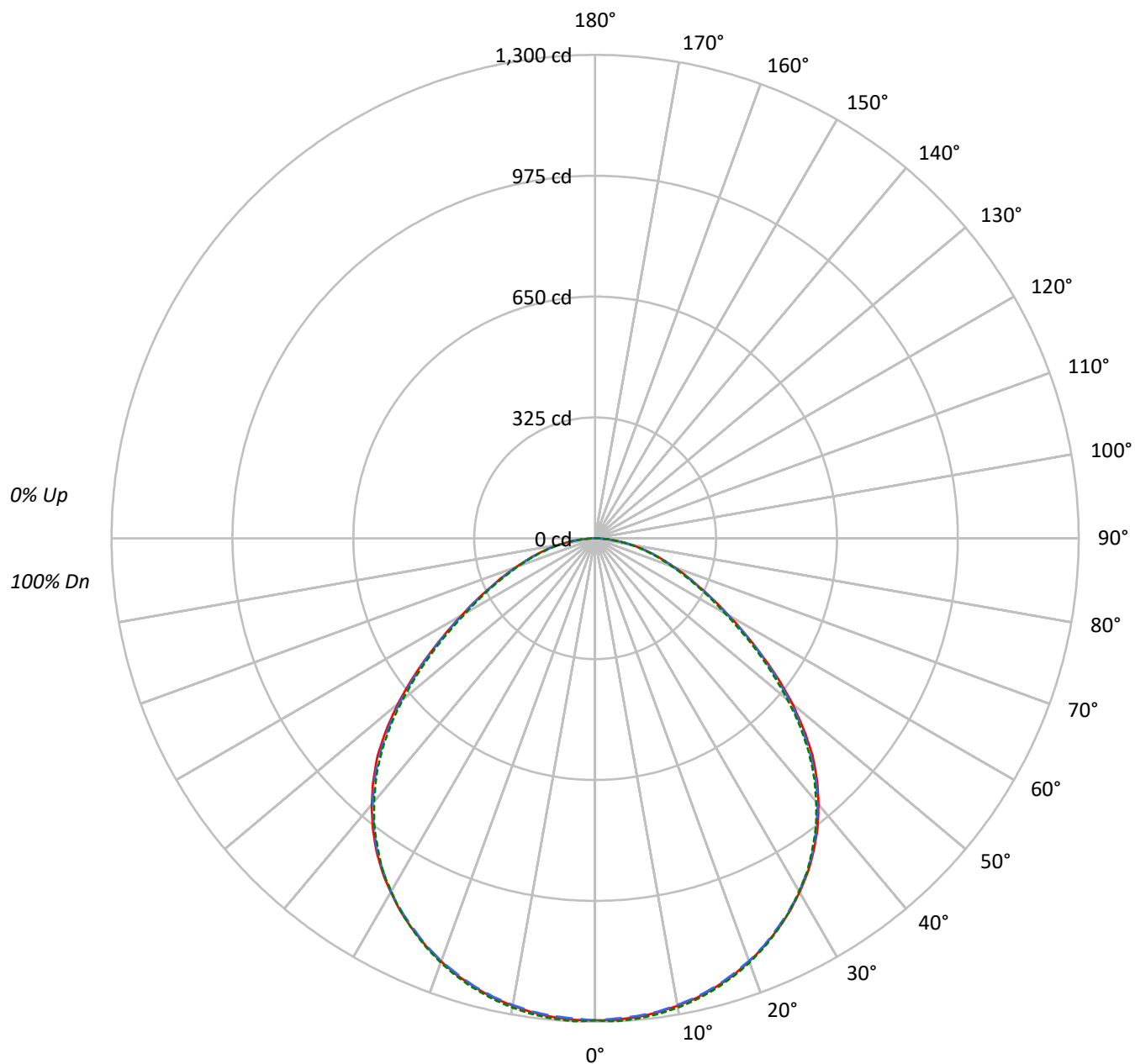
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3278.6 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct  
  
Input Watts (W): 26  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor:  
Total Harmonic Distortion (THDi):  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 85  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 78  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 47  |    |    |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 41  |    |    |
| 7   | 67  | 54  | 45  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°                                                                                                             | 45° | 90° |
|-----|----------------------------------------------------------------------------------------------------------------|-----|-----|
| 0°  | Luminous shape not found,<br>reference photometric report, or contact<br>the photometric lab for calculations. |     |     |
| 5°  |                                                                                                                |     |     |
| 10° |                                                                                                                |     |     |
| 15° |                                                                                                                |     |     |
| 20° |                                                                                                                |     |     |
| 25° |                                                                                                                |     |     |
| 30° |                                                                                                                |     |     |
| 35° |                                                                                                                |     |     |
| 40° |                                                                                                                |     |     |
| 45° |                                                                                                                |     |     |
| 50° |                                                                                                                |     |     |
| 55° |                                                                                                                |     |     |
| 60° |                                                                                                                |     |     |
| 65° |                                                                                                                |     |     |
| 70° |                                                                                                                |     |     |
| 75° |                                                                                                                |     |     |
| 80° |                                                                                                                |     |     |
| 85° |                                                                                                                |     |     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.0  | 3.8       |
| 10°-20°   | 353.0  | 10.8      |
| 20°-30°   | 534.7  | 16.3      |
| 30°-40°   | 638.3  | 19.5      |
| 40°-50°   | 627.8  | 19.1      |
| 50°-60°   | 485.2  | 14.8      |
| 60°-70°   | 305.9  | 9.3       |
| 70°-80°   | 165.5  | 5.0       |
| 80°-90°   | 45.2   | 1.4       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| <hr/>     |        |           |
| 0°-30°    | 1010.7 | 30.8      |
| 0°-40°    | 1649.0 | 50.3      |
| 0°-60°    | 2762.0 | 84.2      |
| 0°-90°    | 3278.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3278.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1296 | 1296  | 1296 | 1296  | 1296 |      |
| 5°  | 1293 | 1293  | 1290 | 1295  | 1297 | 123  |
| 15° | 1250 | 1250  | 1248 | 1252  | 1254 | 353  |
| 25° | 1160 | 1161  | 1158 | 1161  | 1162 | 535  |
| 35° | 1025 | 1025  | 1023 | 1021  | 1018 | 640  |
| 45° | 827  | 823   | 817  | 811   | 811  | 633  |
| 55° | 546  | 550   | 544  | 535   | 533  | 490  |
| 65° | 308  | 309   | 306  | 301   | 300  | 310  |
| 75° | 158  | 157   | 155  | 156   | 152  | 168  |
| 85° | 38   | 39    | 38   | 38    | 37   | 46   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 |
| 2.5°  | 1295.9 | 1296.4 | 1292.7 | 1298.8 | 1300.1 |
| 5°    | 1292.7 | 1293.2 | 1289.8 | 1295.4 | 1296.9 |
| 7.5°  | 1286.1 | 1287.1 | 1283.9 | 1289.5 | 1290.8 |
| 10°   | 1276.8 | 1277.8 | 1274.6 | 1280.2 | 1281.6 |
| 12.5° | 1265.3 | 1265.7 | 1263.0 | 1268.0 | 1269.4 |
| 15°   | 1250.0 | 1250.3 | 1248.1 | 1252.2 | 1254.0 |
| 17.5° | 1232.3 | 1232.8 | 1229.6 | 1234.6 | 1235.5 |
| 20°   | 1211.0 | 1211.3 | 1209.5 | 1213.7 | 1214.2 |
| 22.5° | 1187.2 | 1188.2 | 1185.3 | 1189.0 | 1189.5 |
| 25°   | 1160.3 | 1161.2 | 1157.5 | 1161.2 | 1161.7 |
| 27.5° | 1132.0 | 1132.3 | 1129.1 | 1132.0 | 1131.5 |
| 30°   | 1098.9 | 1101.8 | 1097.5 | 1096.5 | 1096.2 |
| 32.5° | 1064.6 | 1064.9 | 1060.9 | 1059.9 | 1061.7 |
| 35°   | 1025.1 | 1025.4 | 1022.7 | 1021.4 | 1018.5 |
| 37.5° | 981.9  | 981.9  | 976.7  | 975.8  | 975.3  |
| 40°   | 934.4  | 933.9  | 930.7  | 927.5  | 924.1  |
| 42.5° | 882.8  | 883.8  | 877.2  | 871.6  | 870.8  |
| 45°   | 826.6  | 823.4  | 817.3  | 810.9  | 811.4  |
| 47.5° | 760.2  | 761.1  | 752.8  | 747.6  | 746.2  |
| 50°   | 691.3  | 691.3  | 683.6  | 678.0  | 675.1  |
| 52.5° | 619.4  | 619.9  | 612.5  | 605.1  | 603.5  |
| 55°   | 546.0  | 550.5  | 543.6  | 534.8  | 533.0  |
| 57.5° | 477.3  | 481.0  | 474.4  | 465.1  | 464.6  |
| 60°   | 413.6  | 414.0  | 412.1  | 403.3  | 401.0  |
| 62.5° | 359.3  | 356.9  | 355.9  | 351.3  | 348.5  |
| 65°   | 308.1  | 308.6  | 306.2  | 301.0  | 300.2  |
| 67.5° | 266.7  | 266.2  | 262.0  | 258.8  | 257.0  |
| 70°   | 226.2  | 224.9  | 223.0  | 220.3  | 218.5  |
| 72.5° | 190.1  | 190.1  | 188.6  | 187.7  | 184.5  |
| 75°   | 158.5  | 156.7  | 154.8  | 155.7  | 151.9  |
| 77.5° | 128.3  | 126.4  | 124.9  | 123.1  | 122.2  |
| 80°   | 97.1   | 95.2   | 95.7   | 92.9   | 92.5   |
| 82.5° | 67.4   | 67.4   | 66.5   | 64.2   | 64.7   |
| 85°   | 38.5   | 39.0   | 38.2   | 38.5   | 36.6   |
| 87.5° | 14.0   | 14.4   | 15.4   | 14.4   | 14.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report









— 0°-180°    - - 45°-225°    - - - 90°-270°





(END OF REPORT)