

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737732

Luminaire Tested: **14PT-20-PP3-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PP3-L935  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

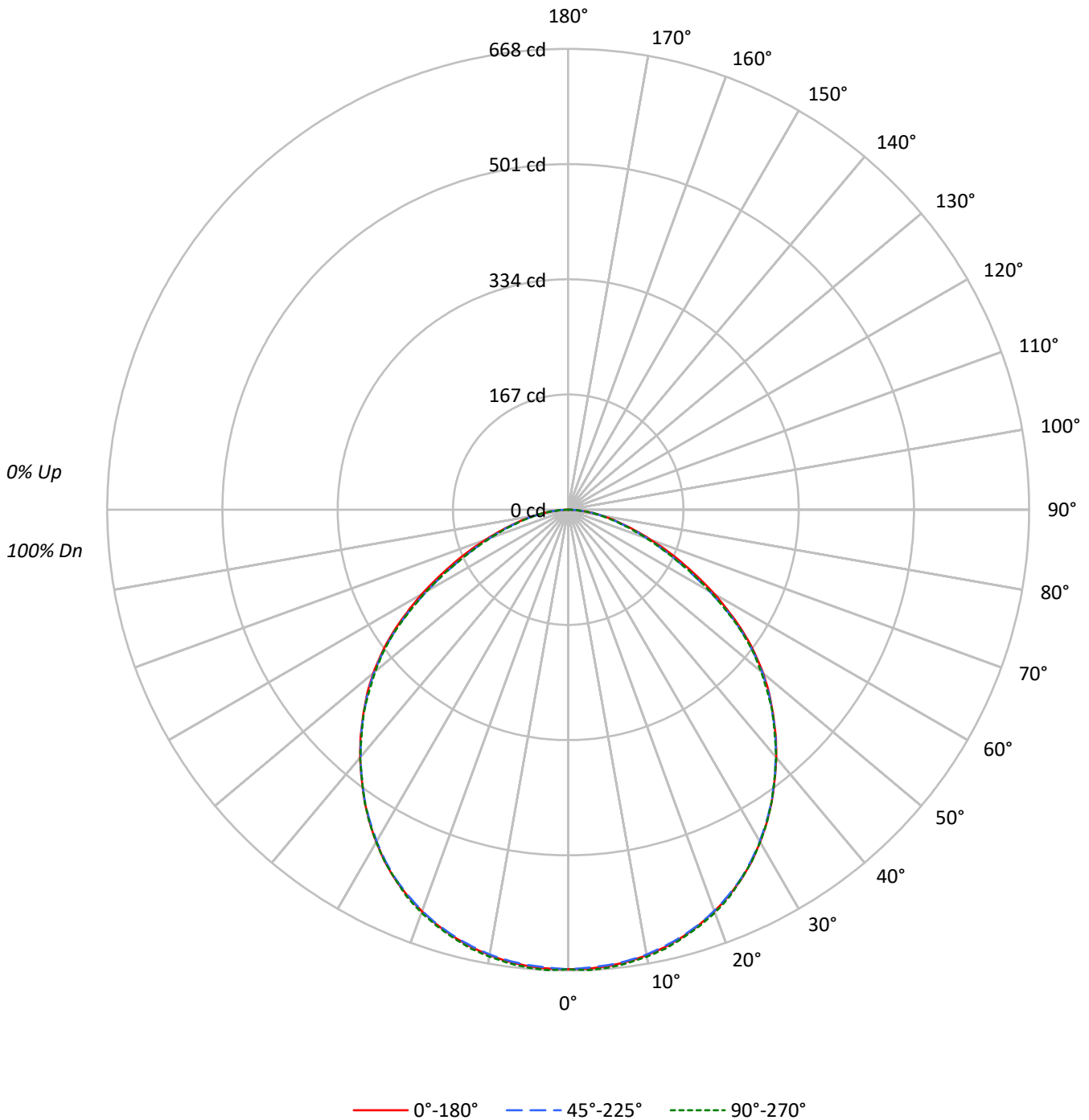
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1721.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 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  | 0   |     |     |
| 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 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  |  | 84  | 79  | 76  |  | 81  | 77  | 74  | 72  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  | 67  | 63  | 61  |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  |  | 66  | 60  | 56  |  | 64  | 59  | 55  | 53  |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  |  | 60  | 54  | 49  |  | 58  | 52  | 48  | 46  |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  |  | 54  | 48  | 43  |  | 53  | 47  | 42  | 40  |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  |  | 50  | 43  | 38  |  | 48  | 42  | 38  | 36  |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  |  | 45  | 39  | 34  |  | 44  | 38  | 34  | 32  |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  |  | 42  | 35  | 31  |  | 41  | 35  | 31  | 29  |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  |  | 39  | 33  | 28  |  | 38  | 32  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1997 | 1997 | 1997 |
| 5°  | 1999 | 1994 | 2005 |
| 10° | 1996 | 1993 | 2003 |
| 15° | 1989 | 1986 | 1995 |
| 20° | 1976 | 1975 | 1983 |
| 25° | 1959 | 1955 | 1958 |
| 30° | 1926 | 1922 | 1926 |
| 35° | 1884 | 1881 | 1883 |
| 40° | 1836 | 1830 | 1835 |
| 45° | 1780 | 1775 | 1777 |
| 50° | 1721 | 1713 | 1701 |
| 55° | 1620 | 1601 | 1596 |
| 60° | 1470 | 1420 | 1423 |
| 65° | 1291 | 1227 | 1224 |
| 70° | 1117 | 1066 | 1054 |
| 75° | 966  | 930  | 910  |
| 80° | 856  | 843  | 806  |
| 85° | 709  | 733  | 691  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.2   | 3.7       |
| 10°-20°   | 181.0  | 10.5      |
| 20°-30°   | 272.4  | 15.8      |
| 30°-40°   | 321.6  | 18.7      |
| 40°-50°   | 323.4  | 18.8      |
| 50°-60°   | 273.0  | 15.9      |
| 60°-70°   | 175.3  | 10.2      |
| 70°-80°   | 87.2   | 5.1       |
| 80°-90°   | 23.9   | 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       |
| 0°-30°    | 516.6  | 30.0      |
| 0°-40°    | 838.1  | 48.7      |
| 0°-60°    | 1434.5 | 83.4      |
| 0°-90°    | 1721.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1721.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 666 | 666   | 666 | 666   | 666 |      |
| 5°  | 664 | 664   | 663 | 666   | 666 | 63   |
| 15° | 641 | 641   | 640 | 643   | 643 | 181  |
| 25° | 592 | 592   | 591 | 592   | 592 | 272  |
| 35° | 515 | 515   | 514 | 514   | 514 | 322  |
| 45° | 420 | 421   | 419 | 419   | 419 | 324  |
| 55° | 310 | 310   | 306 | 305   | 305 | 276  |
| 65° | 182 | 179   | 173 | 171   | 173 | 181  |
| 75° | 83  | 83    | 80  | 80    | 79  | 90   |
| 85° | 21  | 21    | 21  | 20    | 20  | 24   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 666.1 | 666.1 | 666.1 | 666.1 | 666.1 |
| 2.5°  | 665.8 | 666.1 | 664.4 | 667.5 | 668.0 |
| 5°    | 664.1 | 664.4 | 662.7 | 665.8 | 666.3 |
| 7.5°  | 660.7 | 661.0 | 659.5 | 662.4 | 662.9 |
| 10°   | 655.7 | 656.4 | 654.7 | 657.4 | 657.8 |
| 12.5° | 649.4 | 649.6 | 647.9 | 651.1 | 651.6 |
| 15°   | 640.9 | 641.2 | 639.7 | 642.6 | 642.6 |
| 17.5° | 631.2 | 631.5 | 630.5 | 632.9 | 632.7 |
| 20°   | 619.4 | 620.1 | 618.9 | 620.6 | 621.6 |
| 22.5° | 606.6 | 606.8 | 605.4 | 607.6 | 608.5 |
| 25°   | 592.1 | 592.3 | 591.1 | 592.3 | 591.8 |
| 27.5° | 575.2 | 575.6 | 574.0 | 575.2 | 575.4 |
| 30°   | 556.3 | 557.5 | 555.1 | 556.1 | 556.3 |
| 32.5° | 536.0 | 536.7 | 535.0 | 535.3 | 536.5 |
| 35°   | 514.7 | 515.0 | 514.0 | 514.5 | 514.5 |
| 37.5° | 491.8 | 492.7 | 491.3 | 492.0 | 491.0 |
| 40°   | 469.0 | 468.1 | 467.6 | 468.1 | 468.8 |
| 42.5° | 445.1 | 445.3 | 444.6 | 444.1 | 442.9 |
| 45°   | 419.9 | 421.4 | 418.7 | 419.2 | 419.2 |
| 47.5° | 395.3 | 395.5 | 394.1 | 392.6 | 391.7 |
| 50°   | 368.9 | 368.9 | 367.2 | 366.0 | 364.6 |
| 52.5° | 340.2 | 339.7 | 337.7 | 336.5 | 337.3 |
| 55°   | 309.9 | 309.7 | 306.3 | 305.1 | 305.3 |
| 57.5° | 276.8 | 277.3 | 272.2 | 271.0 | 271.0 |
| 60°   | 245.1 | 242.7 | 236.9 | 235.2 | 237.4 |
| 62.5° | 212.0 | 209.1 | 202.8 | 202.8 | 204.5 |
| 65°   | 182.0 | 179.4 | 172.9 | 171.2 | 172.6 |
| 67.5° | 154.0 | 151.6 | 145.5 | 144.6 | 145.1 |
| 70°   | 127.4 | 125.2 | 121.6 | 119.4 | 120.2 |
| 72.5° | 104.4 | 102.5 | 100.1 | 98.4  | 97.4  |
| 75°   | 83.4  | 82.9  | 80.3  | 79.5  | 78.6  |
| 77.5° | 66.0  | 65.8  | 63.6  | 62.6  | 61.7  |
| 80°   | 49.6  | 49.3  | 48.8  | 47.4  | 46.7  |
| 82.5° | 35.3  | 35.3  | 35.1  | 33.8  | 33.1  |
| 85°   | 20.6  | 21.3  | 21.3  | 20.1  | 20.1  |
| 87.5° | 8.2   | 8.7   | 8.2   | 8.2   | 8.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)