

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: P1050301

Luminaire Tested: PTR-14-40-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-40-PLG-L930-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

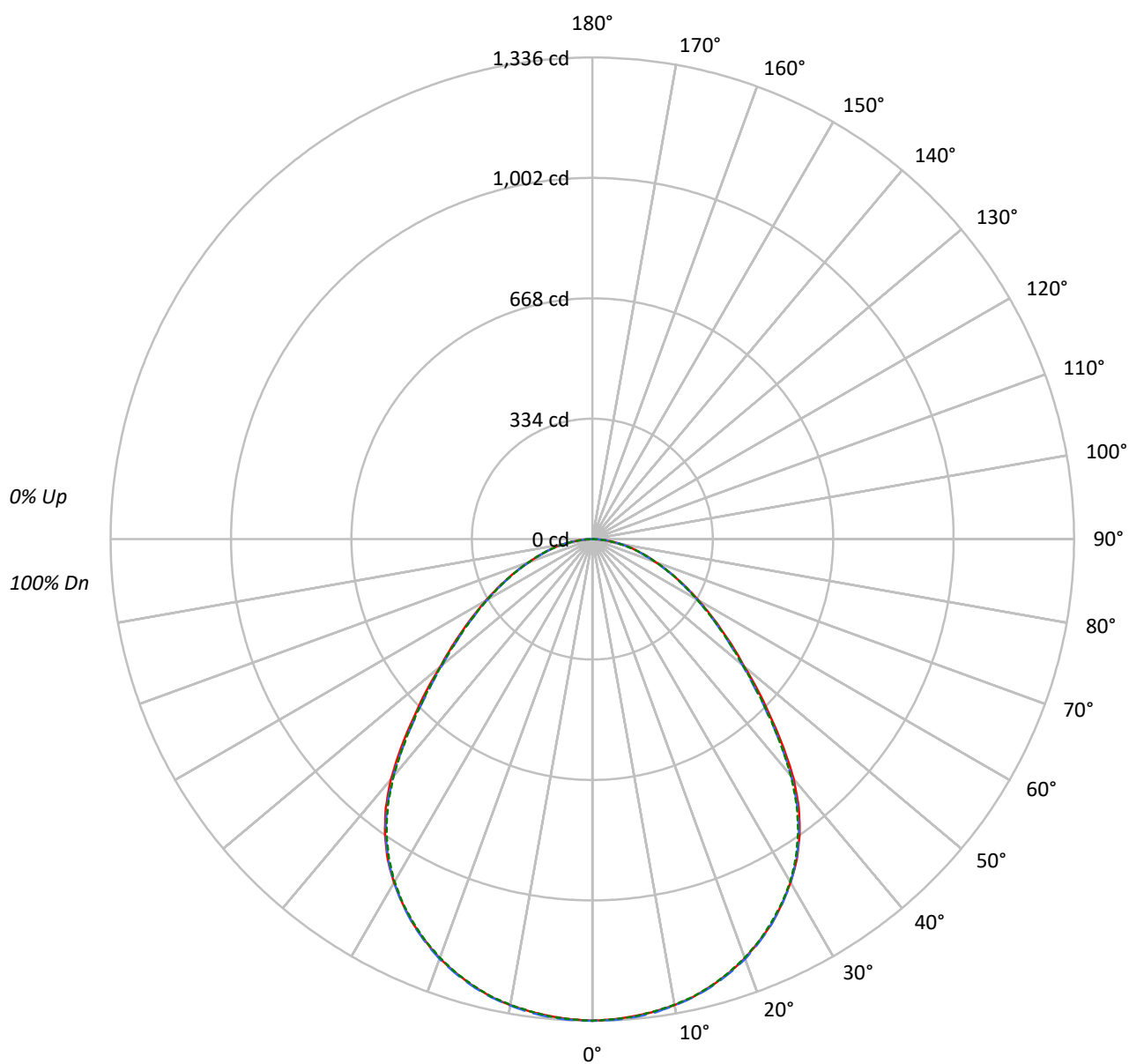
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3010.4 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 32.1  
Input Voltage (V): 120  
Input Current (Ain): 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 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  | 84  | 86  |
| 2   | 101 | 94  | 87  | 82  | 99  | 92  | 86  | 81  | 88  | 84  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  | 72  | 74  |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  | 62  | 64  |
| 4   | 86  | 75  | 67  | 60  | 84  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 56  | 54  | 56  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 49  | 47  | 49  |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 47  | 58  | 51  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43  | 41  | 43  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 39  | 37  | 39  |
| 8   | 64  | 51  | 43  | 38  | 62  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  | 33  | 35  |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  | 30  | 32  |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 40  | 35  | 31  | 29  | 27  | 29  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3595 | 3595 | 3595 |
| 5°  | 3588 | 3596 | 3591 |
| 10° | 3586 | 3589 | 3583 |
| 15° | 3572 | 3577 | 3569 |
| 20° | 3544 | 3549 | 3538 |
| 25° | 3494 | 3497 | 3486 |
| 30° | 3418 | 3418 | 3409 |
| 35° | 3292 | 3283 | 3268 |
| 40° | 3051 | 3018 | 3008 |
| 45° | 2667 | 2623 | 2634 |
| 50° | 2303 | 2274 | 2287 |
| 55° | 2046 | 2015 | 2020 |
| 60° | 1832 | 1807 | 1807 |
| 65° | 1642 | 1630 | 1636 |
| 70° | 1477 | 1462 | 1477 |
| 75° | 1370 | 1351 | 1370 |
| 80° | 1278 | 1263 | 1220 |
| 85° | 1084 | 1084 | 966  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2667 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.5  | 4.2       |
| 10°-20°   | 361.9  | 12.0      |
| 20°-30°   | 541.6  | 18.0      |
| 30°-40°   | 620.5  | 20.6      |
| 40°-50°   | 536.6  | 17.8      |
| 50°-60°   | 388.4  | 12.9      |
| 60°-70°   | 255.8  | 8.5       |
| 70°-80°   | 139.2  | 4.6       |
| 80°-90°   | 39.9   | 1.3       |
| 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°    | 1030.0 | 34.2      |
| 0°-40°    | 1650.4 | 54.8      |
| 0°-60°    | 2575.5 | 85.6      |
| 0°-90°    | 3010.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3010.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1336 | 1336  | 1336 | 1336  | 1336 |      |
| 5°  | 1328 | 1331  | 1331 | 1331  | 1329 | 126  |
| 15° | 1282 | 1283  | 1284 | 1286  | 1281 | 362  |
| 25° | 1177 | 1177  | 1178 | 1179  | 1174 | 541  |
| 35° | 1002 | 1001  | 999  | 998   | 995  | 623  |
| 45° | 701  | 699   | 689  | 688   | 692  | 543  |
| 55° | 436  | 434   | 430  | 427   | 430  | 393  |
| 65° | 258  | 260   | 256  | 254   | 257  | 258  |
| 75° | 132  | 132   | 130  | 130   | 132  | 140  |
| 85° | 35   | 35    | 35   | 36    | 31   | 41   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1336.0 | 1336.0 | 1336.0 | 1336.0 | 1336.0 |
| 2.5°  | 1333.2 | 1336.0 | 1335.1 | 1336.0 | 1333.2 |
| 5°    | 1328.4 | 1331.3 | 1331.3 | 1331.3 | 1329.4 |
| 7.5°  | 1321.8 | 1323.7 | 1324.6 | 1325.6 | 1320.8 |
| 10°   | 1312.3 | 1314.2 | 1313.3 | 1315.1 | 1311.4 |
| 12.5° | 1300.0 | 1300.0 | 1300.9 | 1302.8 | 1299.0 |
| 15°   | 1282.0 | 1282.9 | 1283.9 | 1285.8 | 1281.0 |
| 17.5° | 1261.1 | 1262.0 | 1263.0 | 1263.9 | 1260.2 |
| 20°   | 1237.4 | 1237.4 | 1239.3 | 1240.2 | 1235.5 |
| 22.5° | 1208.0 | 1208.0 | 1209.9 | 1212.7 | 1207.1 |
| 25°   | 1176.7 | 1176.7 | 1177.7 | 1178.6 | 1173.9 |
| 27.5° | 1139.7 | 1139.7 | 1140.7 | 1143.5 | 1137.8 |
| 30°   | 1099.9 | 1099.0 | 1099.9 | 1100.9 | 1097.1 |
| 32.5° | 1055.3 | 1054.4 | 1053.4 | 1054.4 | 1049.7 |
| 35°   | 1002.2 | 1001.3 | 999.4  | 998.4  | 994.7  |
| 37.5° | 940.6  | 938.7  | 934.9  | 934.9  | 931.1  |
| 40°   | 868.5  | 863.8  | 859.1  | 857.2  | 856.2  |
| 42.5° | 785.1  | 781.3  | 774.7  | 773.7  | 773.7  |
| 45°   | 700.7  | 698.8  | 689.3  | 688.4  | 692.2  |
| 47.5° | 624.9  | 620.1  | 611.6  | 609.7  | 615.4  |
| 50°   | 550.0  | 550.9  | 543.3  | 540.5  | 546.2  |
| 52.5° | 491.2  | 489.3  | 482.6  | 480.7  | 485.5  |
| 55°   | 436.2  | 434.3  | 429.5  | 426.7  | 430.5  |
| 57.5° | 385.9  | 385.0  | 380.2  | 379.3  | 381.2  |
| 60°   | 340.4  | 339.5  | 335.7  | 334.7  | 335.7  |
| 62.5° | 297.7  | 297.7  | 293.9  | 292.0  | 294.9  |
| 65°   | 257.9  | 259.8  | 256.0  | 254.1  | 257.0  |
| 67.5° | 221.9  | 223.8  | 220.0  | 218.1  | 221.9  |
| 70°   | 187.7  | 189.6  | 185.8  | 183.9  | 187.7  |
| 72.5° | 158.3  | 159.3  | 156.5  | 155.5  | 160.2  |
| 75°   | 131.8  | 131.8  | 129.9  | 129.9  | 131.8  |
| 77.5° | 107.1  | 106.2  | 105.2  | 105.2  | 103.4  |
| 80°   | 82.5   | 81.5   | 81.5   | 81.5   | 78.7   |
| 82.5° | 58.8   | 56.9   | 57.8   | 58.8   | 54.0   |
| 85°   | 35.1   | 35.1   | 35.1   | 36.0   | 31.3   |
| 87.5° | 14.2   | 14.2   | 13.3   | 14.2   | 12.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)