

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: P1050154

Luminaire Tested: PTR-14-40-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050154  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-40-PB1-L930-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS  
  
Light Source:  
Ballast/Driver: -

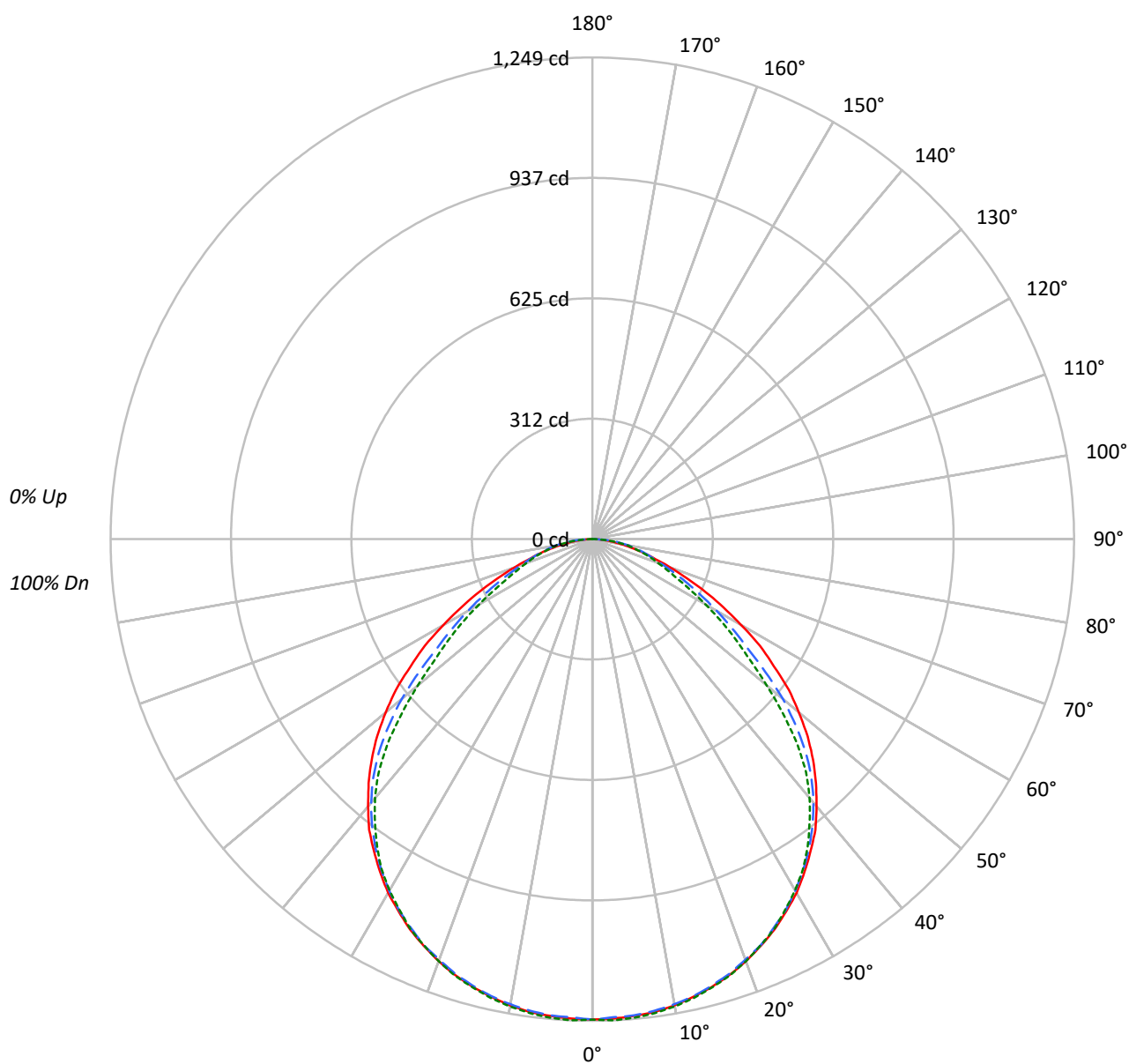
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3106.7 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
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

TEST NUMBER: P1050154

CATALOG NUMBER: PTR-14-40-PB1-L930-UNV-STD-W

### Luminous Intensity Polar Plot



TEST NUMBER: P1050154

CATALOG NUMBER: PTR-14-40-PB1-L930-UNV-STD-W

**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  | 93  | 90  | 91  | 89  | 88  | 86  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 59  | 83  | 72  | 64  | 58  | 70  | 63  | 58  | 67  | 62  | 57  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 55  | 50  | 59  | 54  | 49  | 47  |    |    |
| 6   | 72  | 60  | 51  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 44  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |
| 7   | 67  | 54  | 46  | 40  | 66  | 53  | 45  | 40  | 52  | 45  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 63  | 50  | 41  | 36  | 61  | 49  | 41  | 36  | 48  | 41  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 59  | 46  | 38  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3353 | 3353 | 3353 |
| 5°  | 3353 | 3349 | 3365 |
| 10° | 3354 | 3346 | 3363 |
| 15° | 3347 | 3339 | 3351 |
| 20° | 3335 | 3322 | 3335 |
| 25° | 3317 | 3303 | 3312 |
| 30° | 3291 | 3271 | 3266 |
| 35° | 3242 | 3217 | 3197 |
| 40° | 3176 | 3133 | 3079 |
| 45° | 3079 | 2980 | 2858 |
| 50° | 2926 | 2701 | 2470 |
| 55° | 2696 | 2294 | 2128 |
| 60° | 2400 | 2005 | 1823 |
| 65° | 2059 | 1738 | 1552 |
| 70° | 1700 | 1532 | 1423 |
| 75° | 1434 | 1465 | 1387 |
| 80° | 1212 | 1495 | 1426 |
| 85° | 948  | 1516 | 1328 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3079 cd/sqm

TEST NUMBER: P1050154

CATALOG NUMBER: PTR-14-40-PB1-L930-UNV-STD-W

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 118.1  | 3.8       |
| 10°-20°   | 339.0  | 10.9      |
| 20°-30°   | 513.5  | 16.5      |
| 30°-40°   | 611.8  | 19.7      |
| 40°-50°   | 598.3  | 19.3      |
| 50°-60°   | 452.6  | 14.6      |
| 60°-70°   | 278.0  | 8.9       |
| 70°-80°   | 148.1  | 4.8       |
| 80°-90°   | 47.3   | 1.5       |
| 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°    | 970.6  | 31.2      |
| 0°-40°    | 1582.4 | 50.9      |
| 0°-60°    | 2633.3 | 84.8      |
| 0°-90°    | 3106.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3106.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1246 | 1246  | 1246 | 1246  | 1246 |      |
| 5°  | 1241 | 1243  | 1240 | 1244  | 1246 | 118  |
| 15° | 1202 | 1203  | 1198 | 1203  | 1203 | 339  |
| 25° | 1117 | 1116  | 1112 | 1114  | 1116 | 515  |
| 35° | 987  | 985   | 979  | 975   | 973  | 617  |
| 45° | 809  | 805   | 783  | 757   | 751  | 622  |
| 55° | 575  | 546   | 489  | 461   | 454  | 515  |
| 65° | 323  | 297   | 273  | 251   | 244  | 322  |
| 75° | 138  | 140   | 141  | 136   | 133  | 148  |
| 85° | 31   | 40    | 49   | 46    | 43   | 37   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1050154

CATALOG NUMBER: PTR-14-40-PB1-L930-UNV-STD-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1245.9 | 1245.9 | 1245.9 | 1245.9 | 1245.9 |
| 2.5°  | 1244.5 | 1245.9 | 1241.2 | 1247.5 | 1249.0 |
| 5°    | 1241.2 | 1242.8 | 1239.8 | 1244.5 | 1245.9 |
| 7.5°  | 1236.7 | 1236.7 | 1233.7 | 1238.2 | 1239.8 |
| 10°   | 1227.6 | 1227.6 | 1224.5 | 1229.0 | 1230.6 |
| 12.5° | 1215.3 | 1215.3 | 1213.7 | 1216.8 | 1218.4 |
| 15°   | 1201.5 | 1202.9 | 1198.4 | 1202.9 | 1202.9 |
| 17.5° | 1184.6 | 1183.2 | 1181.5 | 1184.6 | 1186.2 |
| 20°   | 1164.7 | 1164.7 | 1160.2 | 1163.2 | 1164.7 |
| 22.5° | 1141.6 | 1141.6 | 1140.2 | 1141.6 | 1140.2 |
| 25°   | 1117.2 | 1115.6 | 1112.5 | 1114.1 | 1115.6 |
| 27.5° | 1088.1 | 1088.1 | 1085.0 | 1085.0 | 1083.4 |
| 30°   | 1059.0 | 1057.3 | 1052.8 | 1049.8 | 1051.2 |
| 32.5° | 1023.7 | 1022.1 | 1017.6 | 1014.5 | 1016.0 |
| 35°   | 986.9  | 985.4  | 979.3  | 974.6  | 973.2  |
| 37.5° | 950.2  | 945.5  | 937.8  | 931.7  | 925.6  |
| 40°   | 904.2  | 899.5  | 892.0  | 878.1  | 876.5  |
| 42.5° | 858.2  | 853.7  | 841.3  | 824.5  | 819.9  |
| 45°   | 809.1  | 804.6  | 783.0  | 757.0  | 750.9  |
| 47.5° | 757.0  | 749.4  | 715.6  | 683.4  | 671.2  |
| 50°   | 698.9  | 685.1  | 645.2  | 603.8  | 590.0  |
| 52.5° | 642.1  | 617.6  | 565.5  | 528.7  | 515.0  |
| 55°   | 574.7  | 545.6  | 488.9  | 461.3  | 453.5  |
| 57.5° | 515.0  | 475.1  | 429.1  | 401.6  | 395.5  |
| 60°   | 446.0  | 409.1  | 372.5  | 347.8  | 338.7  |
| 62.5° | 383.1  | 350.9  | 320.3  | 298.8  | 288.1  |
| 65°   | 323.4  | 297.3  | 272.9  | 251.3  | 243.7  |
| 67.5° | 265.1  | 251.3  | 231.4  | 214.6  | 210.0  |
| 70°   | 216.1  | 208.3  | 194.7  | 186.9  | 180.8  |
| 72.5° | 171.7  | 174.7  | 165.6  | 162.5  | 157.8  |
| 75°   | 137.9  | 139.5  | 140.9  | 136.4  | 133.4  |
| 77.5° | 104.3  | 111.8  | 117.9  | 114.9  | 111.8  |
| 80°   | 78.2   | 85.8   | 96.5   | 92.0   | 92.0   |
| 82.5° | 53.6   | 62.9   | 72.1   | 69.0   | 67.4   |
| 85°   | 30.7   | 39.9   | 49.1   | 46.0   | 43.0   |
| 87.5° | 12.2   | 19.9   | 21.4   | 21.4   | 19.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)