

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: P1471667

Luminaire Tested: 14PTR-42S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1471667  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14PTR-42S-PC3-L835-UNV-STD-B  
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess  
Frame  
Light Source: -  
Ballast/Driver: -

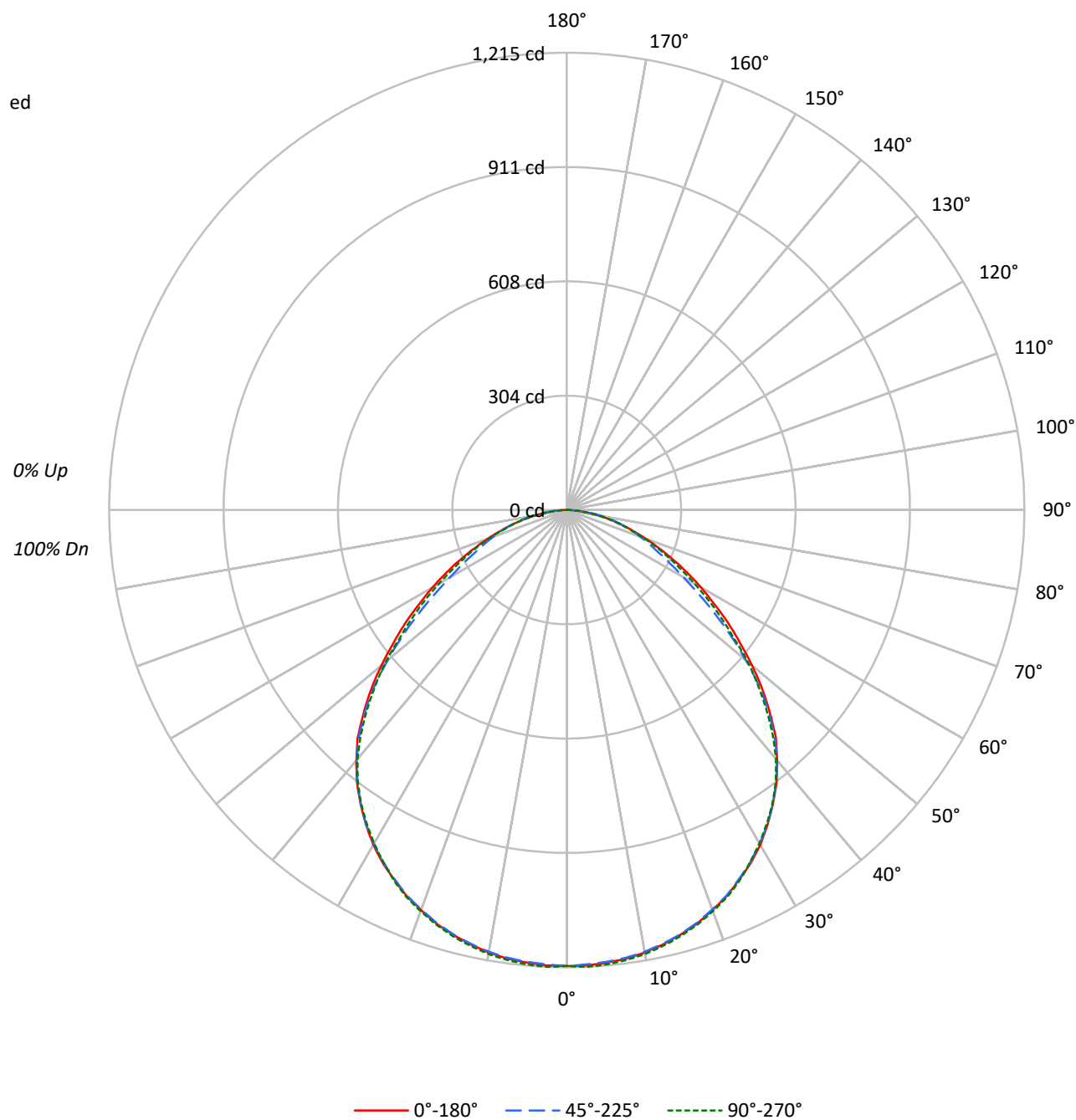
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3055.5 lumens  
Efficiency: N/A  
Efficacy: 96.4 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): 31.7  
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  |     |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 75  | 75  | 72  |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 77  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 64  | 64  | 62  |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 56  | 56  | 54  |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 49  | 49  | 47  |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 43  | 43  | 41  |
| 7   | 67  | 54  | 46  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 39  | 39  | 37  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 35  | 35  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 31  | 31  | 30  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 29  | 29  | 27  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3261 | 3261 | 3261 |
| 5°  | 3262 | 3256 | 3275 |
| 10° | 3262 | 3256 | 3274 |
| 15° | 3254 | 3251 | 3265 |
| 20° | 3240 | 3235 | 3249 |
| 25° | 3218 | 3213 | 3225 |
| 30° | 3194 | 3183 | 3177 |
| 35° | 3136 | 3133 | 3127 |
| 40° | 3053 | 3048 | 3035 |
| 45° | 2903 | 2882 | 2852 |
| 50° | 2688 | 2597 | 2626 |
| 55° | 2452 | 2254 | 2355 |
| 60° | 2211 | 1922 | 2109 |
| 65° | 1976 | 1720 | 1896 |
| 70° | 1754 | 1627 | 1705 |
| 75° | 1550 | 1577 | 1520 |
| 80° | 1337 | 1506 | 1330 |
| 85° | 1000 | 1192 | 1000 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2910 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.0  | 3.8       |
| 10°-20°   | 329.9  | 10.8      |
| 20°-30°   | 499.5  | 16.3      |
| 30°-40°   | 595.6  | 19.5      |
| 40°-50°   | 581.9  | 19.0      |
| 50°-60°   | 445.0  | 14.6      |
| 60°-70°   | 285.7  | 9.4       |
| 70°-80°   | 158.9  | 5.2       |
| 80°-90°   | 43.9   | 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°    | 944.4  | 30.9      |
| 0°-40°    | 1540.0 | 50.4      |
| 0°-60°    | 2566.9 | 84.0      |
| 0°-90°    | 3055.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3055.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1212 | 1212  | 1212 | 1212  | 1212 |      |
| 5°  | 1208 | 1208  | 1206 | 1211  | 1212 | 115  |
| 15° | 1168 | 1169  | 1167 | 1171  | 1172 | 330  |
| 25° | 1084 | 1085  | 1082 | 1086  | 1086 | 500  |
| 35° | 955  | 955   | 954  | 953   | 952  | 596  |
| 45° | 763  | 765   | 757  | 756   | 750  | 587  |
| 55° | 523  | 505   | 480  | 486   | 502  | 467  |
| 65° | 310  | 286   | 270  | 279   | 298  | 310  |
| 75° | 149  | 150   | 152  | 150   | 146  | 159  |
| 85° | 32   | 38    | 39   | 37    | 32   | 40   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1211.9 | 1211.9 | 1211.9 | 1211.9 | 1211.9 |
| 2.5°  | 1211.2 | 1211.6 | 1208.5 | 1213.7 | 1215.4 |
| 5°    | 1207.7 | 1208.5 | 1205.5 | 1211.2 | 1212.4 |
| 7.5°  | 1202.5 | 1203.3 | 1200.3 | 1206.0 | 1206.4 |
| 10°   | 1193.8 | 1194.3 | 1191.6 | 1197.3 | 1198.1 |
| 12.5° | 1182.2 | 1183.4 | 1180.4 | 1185.6 | 1186.0 |
| 15°   | 1168.2 | 1169.1 | 1166.9 | 1170.8 | 1172.1 |
| 17.5° | 1151.8 | 1152.2 | 1150.0 | 1154.3 | 1154.8 |
| 20°   | 1131.3 | 1131.3 | 1129.6 | 1134.5 | 1134.5 |
| 22.5° | 1110.5 | 1109.3 | 1108.8 | 1110.5 | 1113.2 |
| 25°   | 1083.7 | 1085.0 | 1082.0 | 1085.5 | 1086.3 |
| 27.5° | 1057.8 | 1057.8 | 1055.1 | 1056.8 | 1054.6 |
| 30°   | 1027.8 | 1026.1 | 1024.4 | 1024.7 | 1022.6 |
| 32.5° | 991.8  | 991.8  | 991.0  | 991.0  | 988.3  |
| 35°   | 954.6  | 955.4  | 953.6  | 953.2  | 951.9  |
| 37.5° | 914.6  | 916.0  | 912.9  | 912.1  | 911.1  |
| 40°   | 869.1  | 869.1  | 867.8  | 866.1  | 863.9  |
| 42.5° | 821.8  | 821.8  | 816.3  | 811.9  | 808.9  |
| 45°   | 762.9  | 764.6  | 757.2  | 755.5  | 749.5  |
| 47.5° | 704.3  | 703.1  | 693.1  | 691.9  | 688.4  |
| 50°   | 642.0  | 634.6  | 620.4  | 624.2  | 627.3  |
| 52.5° | 579.6  | 570.5  | 549.7  | 553.9  | 559.1  |
| 55°   | 522.7  | 504.6  | 480.4  | 486.4  | 501.9  |
| 57.5° | 463.4  | 439.1  | 414.8  | 426.2  | 445.6  |
| 60°   | 410.9  | 383.7  | 357.2  | 369.3  | 391.9  |
| 62.5° | 360.7  | 331.7  | 310.4  | 322.1  | 341.1  |
| 65°   | 310.4  | 286.5  | 270.1  | 279.1  | 297.8  |
| 67.5° | 264.4  | 248.4  | 237.2  | 241.4  | 256.6  |
| 70°   | 222.9  | 212.8  | 206.8  | 208.1  | 216.7  |
| 72.5° | 183.3  | 180.8  | 178.6  | 178.6  | 179.4  |
| 75°   | 149.1  | 150.4  | 151.7  | 149.6  | 146.2  |
| 77.5° | 117.5  | 121.7  | 124.9  | 120.5  | 116.2  |
| 80°   | 86.3   | 93.2   | 97.2   | 92.3   | 85.8   |
| 82.5° | 58.9   | 66.8   | 68.0   | 65.0   | 57.6   |
| 85°   | 32.4   | 38.1   | 38.6   | 37.3   | 32.4   |
| 87.5° | 12.1   | 14.3   | 15.6   | 14.3   | 12.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 14.6             | 16.1 | 14.9 | 16.4 | 16.8 | 14.3           | 15.9 | 14.7 | 16.2 | 16.5 |
|                 | 3H   | 16.0             | 17.4 | 16.4 | 17.7 | 18.1 | 15.8           | 17.2 | 16.2 | 17.5 | 17.9 |
|                 | 4H   | 16.5             | 17.9 | 16.9 | 18.2 | 18.6 | 16.4           | 17.7 | 16.8 | 18.0 | 18.4 |
|                 | 6H   | 16.9             | 18.2 | 17.4 | 18.5 | 18.9 | 16.8           | 18.0 | 17.2 | 18.3 | 18.7 |
|                 | 8H   | 17.1             | 18.2 | 17.5 | 18.6 | 19.0 | 16.9           | 18.0 | 17.3 | 18.4 | 18.8 |
|                 | 12H  | 17.1             | 18.2 | 17.6 | 18.6 | 19.0 | 16.9           | 18.1 | 17.4 | 18.4 | 18.9 |
| 4H              | 2H   | 15.0             | 16.3 | 15.4 | 16.6 | 17.0 | 14.8           | 16.1 | 15.2 | 16.4 | 16.8 |
|                 | 3H   | 16.6             | 17.7 | 17.1 | 18.1 | 18.5 | 16.5           | 17.6 | 16.9 | 18.0 | 18.4 |
|                 | 4H   | 17.3             | 18.3 | 17.8 | 18.7 | 19.2 | 17.2           | 18.2 | 17.6 | 18.6 | 19.0 |
|                 | 6H   | 17.9             | 18.7 | 18.3 | 19.2 | 19.6 | 17.7           | 18.6 | 18.2 | 19.0 | 19.5 |
|                 | 8H   | 18.0             | 18.8 | 18.5 | 19.3 | 19.8 | 17.9           | 18.7 | 18.4 | 19.1 | 19.6 |
|                 | 12H  | 18.1             | 18.9 | 18.6 | 19.3 | 19.8 | 18.0           | 18.7 | 18.5 | 19.2 | 19.7 |
| 8H              | 4H   | 17.6             | 18.4 | 18.1 | 18.8 | 19.3 | 17.5           | 18.3 | 17.9 | 18.7 | 19.2 |
|                 | 6H   | 18.3             | 18.9 | 18.8 | 19.4 | 19.9 | 18.1           | 18.8 | 18.6 | 19.3 | 19.8 |
|                 | 8H   | 18.5             | 19.1 | 19.0 | 19.6 | 20.1 | 18.4           | 19.0 | 18.9 | 19.5 | 20.0 |
|                 | 12H  | 18.7             | 19.2 | 19.2 | 19.7 | 20.3 | 18.6           | 19.1 | 19.1 | 19.6 | 20.1 |
| 12H             | 4H   | 17.6             | 18.3 | 18.1 | 18.8 | 19.3 | 17.5           | 18.2 | 18.0 | 18.7 | 19.2 |
|                 | 6H   | 18.3             | 18.9 | 18.9 | 19.4 | 19.9 | 18.2           | 18.8 | 18.7 | 19.3 | 19.8 |
|                 | 8H   | 18.6             | 19.2 | 19.1 | 19.6 | 20.2 | 18.5           | 19.0 | 19.0 | 19.5 | 20.1 |













(END OF REPORT)