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

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: P1471762

Luminaire Tested: 24PTR-30S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1471762 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 6/22/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | CORELITE |
| Catalog Number: | 24PTR-30S-PB1-L835-UNV-STD-W |
| Description: | 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces |
| | Frame |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 2823.4 lumens |
| Efficiency: | N/A |
| Efficacy: | 119.1 lumens/watt |
| Spacing Criteria (0/90/45): | 1.26 / 1.25 / 1.34 |
| Luminous Opening: | Rectangular (W 2' x L: 4' x H: 0') |
| CIE Type: | Direct |

| | |
|---|---|
| Input Watts (W): | 23.7 |
| 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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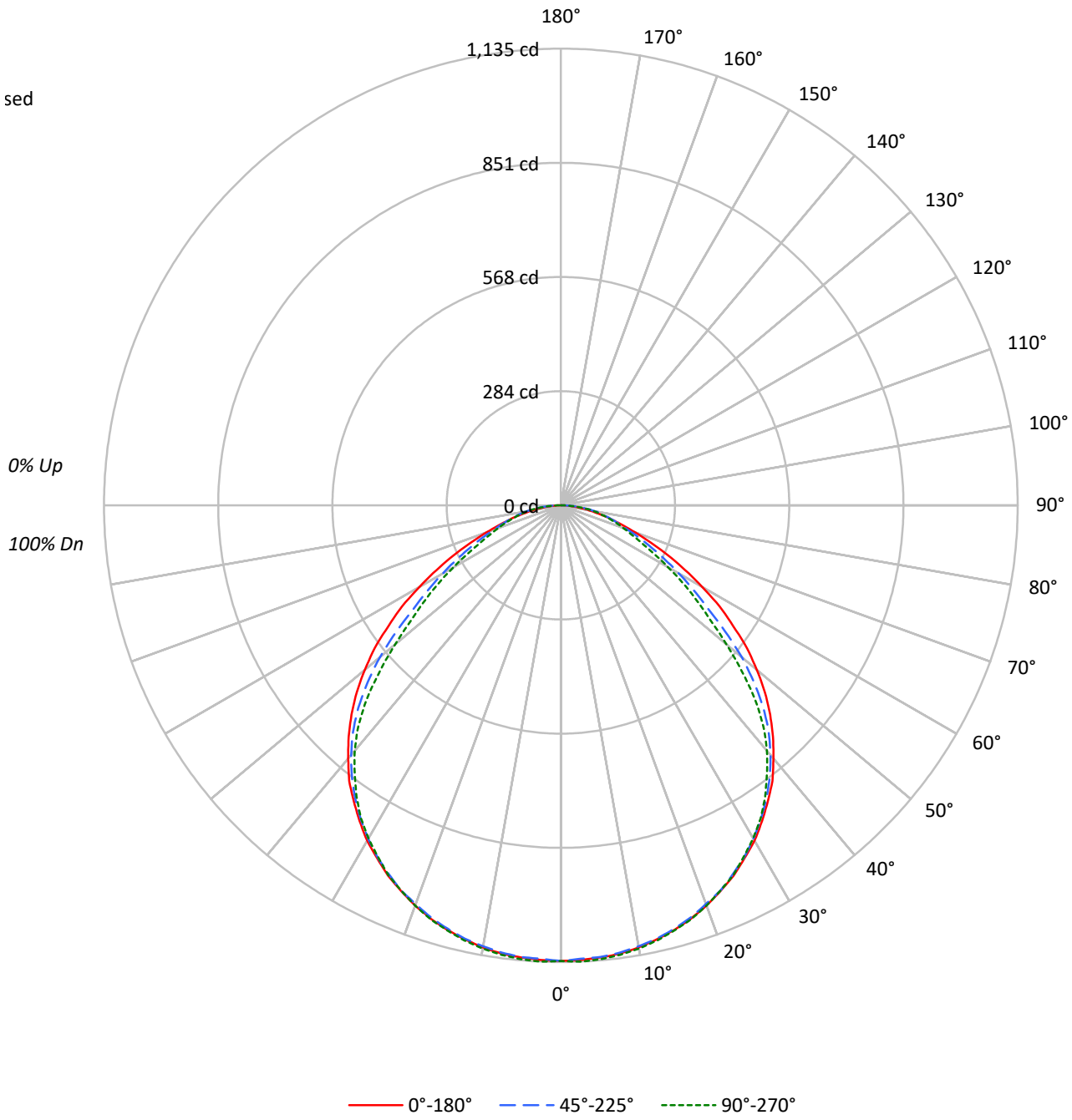
## Luminous Intensity Polar Plot



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## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | 20 | | | 20 | | | 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 | 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° | 1523 | 1523 | 1523 |
| 5° | 1524 | 1522 | 1529 |
| 10° | 1524 | 1520 | 1528 |
| 15° | 1521 | 1517 | 1523 |
| 20° | 1515 | 1510 | 1515 |
| 25° | 1507 | 1501 | 1505 |
| 30° | 1495 | 1487 | 1484 |
| 35° | 1473 | 1462 | 1453 |
| 40° | 1443 | 1424 | 1399 |
| 45° | 1399 | 1354 | 1298 |
| 50° | 1329 | 1227 | 1122 |
| 55° | 1225 | 1042 | 967 |
| 60° | 1091 | 911 | 828 |
| 65° | 936 | 790 | 705 |
| 70° | 773 | 696 | 646 |
| 75° | 651 | 666 | 630 |
| 80° | 551 | 680 | 648 |
| 85° | 431 | 689 | 602 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1399 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 107.4 | 3.8 |
| 10°-20° | 308.1 | 10.9 |
| 20°-30° | 466.6 | 16.5 |
| 30°-40° | 556.0 | 19.7 |
| 40°-50° | 543.7 | 19.3 |
| 50°-60° | 411.3 | 14.6 |
| 60°-70° | 252.7 | 8.9 |
| 70°-80° | 134.6 | 4.8 |
| 80°-90° | 42.9 | 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° | 882.1 | 31.2 |
| 0°-40° | 1438.1 | 50.9 |
| 0°-60° | 2393.1 | 84.8 |
| 0°-90° | 2823.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2823.4 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|---|---|---|---|---|---|---|
| 0° | 1132 | 1132 | 1132 | 1132 | 1132 | |
| 5° | 1128 | 1130 | 1127 | 1131 | 1132 | 107 |
| 15° | 1092 | 1093 | 1089 | 1093 | 1093 | 308 |
| 25° | 1015 | 1014 | 1011 | 1012 | 1014 | 468 |
| 35° | 897 | 896 | 890 | 886 | 884 | 561 |
| 45° | 735 | 731 | 712 | 688 | 682 | 566 |
| 55° | 522 | 496 | 444 | 419 | 412 | 468 |
| 65° | 294 | 270 | 248 | 228 | 222 | 292 |
| 75° | 125 | 127 | 128 | 124 | 121 | 134 |
| 85° | 28 | 36 | 45 | 42 | 39 | 34 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P1471762
CATALOG NUMBER: 24PTR-30S-PB1-L835-UNV-STD-W

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 22.5° | 45° | 67.5° | 90° |
|---|---|---|---|---|---|
| 0° | 1132.3 | 1132.3 | 1132.3 | 1132.3 | *1132.3* |
| 2.5° | *1131.0* | *1132.3* | *1128.0* | *1133.7* | *1135.1* |
| 5° | 1128.0 | 1129.5 | 1126.7 | 1131.0 | *1132.3* |
| 7.5° | 1123.9 | 1123.9 | 1121.2 | 1125.3 | *1126.7* |
| 10° | 1115.6 | 1115.6 | 1112.8 | 1116.9 | *1118.4* |
| 12.5° | 1104.5 | 1104.5 | 1103.0 | 1105.8 | *1107.3* |
| 15° | 1091.9 | 1093.2 | 1089.1 | 1093.2 | *1093.2* |
| 17.5° | 1076.6 | 1075.3 | 1073.8 | 1076.6 | *1078.0* |
| 20° | 1058.4 | 1058.4 | 1054.3 | 1057.1 | *1058.4* |
| 22.5° | 1037.5 | 1037.5 | 1036.2 | 1037.5 | *1036.2* |
| 25° | 1015.3 | 1013.8 | 1011.1 | 1012.5 | *1013.8* |
| 27.5° | 988.8 | 988.8 | 986.1 | 986.1 | *984.6* |
| 30° | 962.4 | 960.9 | 956.8 | 954.0 | *955.4* |
| 32.5° | 930.4 | 928.9 | 924.8 | 922.0 | *923.3* |
| 35° | 896.9 | 895.6 | 890.0 | 885.8 | *884.4* |
| 37.5° | 863.5 | 859.3 | 852.3 | 846.7 | *841.2* |
| 40° | 821.7 | 817.5 | 810.6 | 798.0 | *796.6* |
| 42.5° | 779.9 | 775.8 | 764.5 | 749.3 | *745.1* |
| 45° | 735.3 | 731.2 | 711.6 | 687.9 | *682.4* |
| 47.5° | 687.9 | 681.1 | 650.4 | 621.1 | *610.0* |
| 50° | 635.1 | 622.6 | 586.3 | 548.7 | *536.2* |
| 52.5° | 583.5 | 561.3 | 513.9 | 480.5 | *468.0* |
| 55° | 522.3 | 495.8 | 444.3 | 419.2 | *412.2* |
| 57.5° | 468.0 | 431.8 | 390.0 | 364.9 | *359.4* |
| 60° | 405.3 | 371.8 | 338.5 | 316.1 | *307.8* |
| 62.5° | 348.1 | 318.9 | 291.1 | 271.5 | *261.9* |
| 65° | 293.9 | 270.2 | 248.0 | 228.4 | *221.5* |
| 67.5° | 241.0 | 228.4 | 210.3 | 195.0 | *190.8* |
| 70° | 196.4 | 189.3 | 176.9 | 169.9 | *164.3* |
| 72.5° | 156.0 | 158.8 | 150.5 | 147.7 | *143.4* |
| 75° | 125.3 | 126.8 | 128.1 | 124.0 | *121.2* |
| 77.5° | 94.7 | 101.6 | 107.2 | 104.4 | *101.6* |
| 80° | 71.1 | 77.9 | 87.7 | 83.6 | *83.6* |
| 82.5° | 48.7 | 57.2 | 65.5 | 62.7 | *61.3* |
| 85° | 27.9 | 36.3 | 44.6 | 41.8 | *39.0* |
| 87.5° | 11.1 | 18.1 | 19.4 | 19.4 | *18.1* |
| 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 | 12.4 | 13.9 | 12.7 | 14.2 | 14.5 | 11.1 | 12.6 | 11.4 | 12.9 | 13.2 |
| | 3H | 13.6 | 15.0 | 14.0 | 15.3 | 15.7 | 12.3 | 13.7 | 12.7 | 14.0 | 14.4 |
| | 4H | 14.0 | 15.3 | 14.4 | 15.7 | 16.0 | 12.9 | 14.2 | 13.3 | 14.5 | 14.9 |
| | 6H | 14.3 | 15.5 | 14.7 | 15.9 | 16.3 | 13.4 | 14.6 | 13.8 | 14.9 | 15.3 |
| | 8H | 14.4 | 15.5 | 14.8 | 15.9 | 16.3 | 13.6 | 14.7 | 14.0 | 15.1 | 15.5 |
| | 12H | 14.4 | 15.5 | 14.9 | 15.9 | 16.3 | 13.7 | 14.8 | 14.1 | 15.2 | 15.6 |
| 4H | 2H | 12.7 | 14.0 | 13.1 | 14.3 | 14.7 | 11.6 | 12.9 | 12.0 | 13.2 | 13.6 |
| | 3H | 14.1 | 15.2 | 14.5 | 15.6 | 16.0 | 13.1 | 14.2 | 13.5 | 14.6 | 15.0 |
| | 4H | 14.7 | 15.7 | 15.1 | 16.1 | 16.5 | 13.8 | 14.8 | 14.2 | 15.2 | 15.6 |
| | 6H | 15.1 | 16.0 | 15.6 | 16.4 | 16.9 | 14.4 | 15.3 | 14.9 | 15.7 | 16.2 |
| | 8H | 15.2 | 16.0 | 15.7 | 16.5 | 16.9 | 14.7 | 15.5 | 15.1 | 15.9 | 16.4 |
| | 12H | 15.3 | 16.0 | 15.8 | 16.5 | 17.0 | 14.9 | 15.6 | 15.4 | 16.1 | 16.5 |
| 8H | 4H | 14.9 | 15.7 | 15.3 | 16.1 | 16.6 | 14.1 | 14.9 | 14.5 | 15.3 | 15.8 |
| | 6H | 15.4 | 16.1 | 15.9 | 16.6 | 17.1 | 14.9 | 15.5 | 15.4 | 16.0 | 16.5 |
| | 8H | 15.6 | 16.2 | 16.2 | 16.7 | 17.2 | 15.2 | 15.8 | 15.7 | 16.3 | 16.8 |
| | 12H | 15.8 | 16.3 | 16.3 | 16.8 | 17.4 | 15.5 | 16.0 | 16.0 | 16.5 | 17.1 |
| 12H | 4H | 14.9 | 15.6 | 15.4 | 16.1 | 16.6 | 14.1 | 14.8 | 14.6 | 15.3 | 15.8 |
| | 6H | 15.5 | 16.1 | 16.0 | 16.6 | 17.1 | 15.0 | 15.6 | 15.5 | 16.0 | 16.6 |
| | 8H | 15.8 | 16.3 | 16.3 | 16.8 | 17.3 | 15.4 | 15.9 | 15.9 | 16.4 | 16.9 |

(END OF REPORT)