

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: P1192872

Luminaire Tested: 24PT-30-PB1-L950

Issue Date: 10/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1192872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PT-30-PB1-L950  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

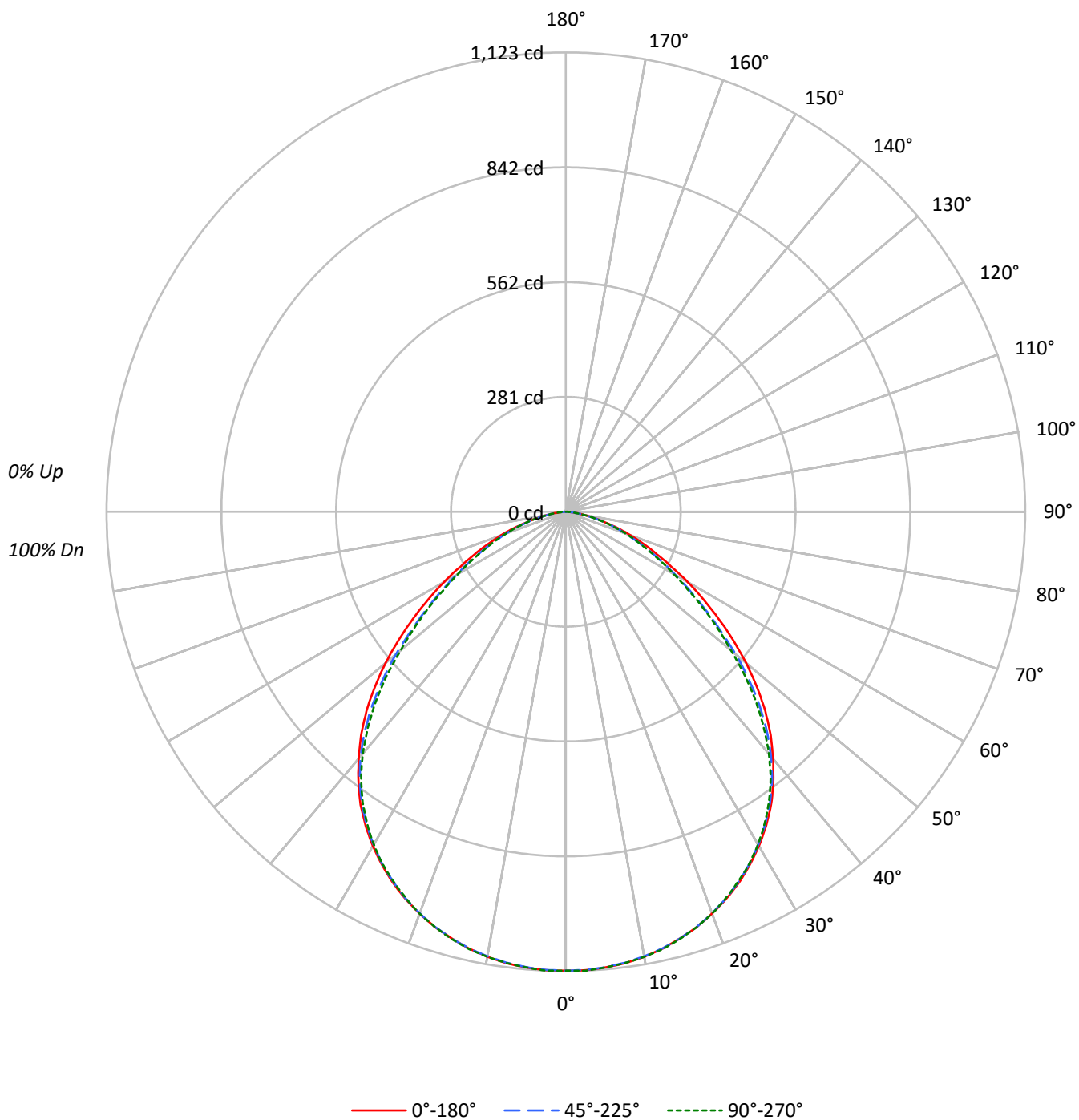
Lumens per Lamp: N/A  
Luminaire Lumens: 2664.0 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 24  
Input Voltage (V): NR  
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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CATALOG NUMBER: 24PT-30-PB1-L950

### 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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  |  | 96  | 93  | 91  |  | 92  |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 86  | 82  | 88  | 84  | 80  |  | 85  | 81  | 78  |  | 82  |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  |  | 76  | 71  | 67  |  | 74  |
| 4   | 86  | 75  | 66  | 60  | 83  | 73  | 66  | 60  | 71  | 64  | 59  |  | 69  | 63  | 58  |  | 66  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 52  | 64  | 57  | 52  |  | 62  | 56  | 51  |  | 60  |
| 6   | 73  | 61  | 52  | 46  | 71  | 60  | 52  | 46  | 58  | 51  | 46  |  | 56  | 50  | 45  |  | 55  |
| 7   | 68  | 55  | 47  | 41  | 66  | 55  | 47  | 41  | 53  | 46  | 41  |  | 52  | 45  | 40  |  | 50  |
| 8   | 64  | 51  | 43  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  |  | 47  | 41  | 36  |  | 46  |
| 9   | 59  | 47  | 39  | 33  | 58  | 46  | 38  | 33  | 45  | 38  | 33  |  | 44  | 38  | 33  |  | 43  |
| 10  | 56  | 43  | 35  | 30  | 55  | 43  | 35  | 30  | 42  | 35  | 30  |  | 41  | 34  | 30  |  | 40  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1604 | 1604 | 1604 |
| 5°  | 1605 | 1604 | 1605 |
| 10° | 1604 | 1603 | 1605 |
| 15° | 1598 | 1598 | 1600 |
| 20° | 1591 | 1590 | 1591 |
| 25° | 1579 | 1576 | 1574 |
| 30° | 1559 | 1553 | 1551 |
| 35° | 1527 | 1518 | 1512 |
| 40° | 1471 | 1457 | 1442 |
| 45° | 1394 | 1353 | 1330 |
| 50° | 1279 | 1207 | 1173 |
| 55° | 1138 | 1037 | 1021 |
| 60° | 986  | 886  | 871  |
| 65° | 831  | 760  | 751  |
| 70° | 706  | 650  | 654  |
| 75° | 554  | 530  | 535  |
| 80° | 404  | 397  | 400  |
| 85° | 246  | 261  | 261  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1394 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.3  | 4.0       |
| 10°-20°   | 304.7  | 11.4      |
| 20°-30°   | 460.0  | 17.3      |
| 30°-40°   | 542.4  | 20.4      |
| 40°-50°   | 515.3  | 19.3      |
| 50°-60°   | 380.3  | 14.3      |
| 60°-70°   | 229.5  | 8.6       |
| 70°-80°   | 105.1  | 3.9       |
| 80°-90°   | 20.5   | 0.8       |
| 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°    | 870.9  | 32.7      |
| 0°-40°    | 1413.3 | 53.1      |
| 0°-60°    | 2308.9 | 86.7      |
| 0°-90°    | 2664.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2664.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1122 | 1122  | 1122 | 1122  | 1122 |      |
| 5°  | 1118 | 1119  | 1118 | 1117  | 1118 | 106  |
| 15° | 1080 | 1080  | 1080 | 1079  | 1081 | 305  |
| 25° | 1001 | 1000  | 999  | 997   | 997  | 461  |
| 35° | 875  | 874   | 870  | 866   | 866  | 545  |
| 45° | 689  | 684   | 669  | 660   | 658  | 529  |
| 55° | 456  | 438   | 416  | 406   | 410  | 409  |
| 65° | 246  | 238   | 224  | 220   | 222  | 247  |
| 75° | 100  | 98    | 96   | 95    | 97   | 109  |
| 85° | 15   | 16    | 16   | 16    | 16   | 20   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1121.9 | 1121.9 | 1121.9 | 1121.9 | 1121.9 |
| 2.5°  | 1121.9 | 1121.9 | 1121.0 | 1120.1 | 1122.8 |
| 5°    | 1118.3 | 1118.8 | 1117.5 | 1116.6 | 1118.3 |
| 7.5°  | 1113.0 | 1113.0 | 1111.7 | 1110.8 | 1112.6 |
| 10°   | 1104.6 | 1104.6 | 1103.8 | 1103.3 | 1105.1 |
| 12.5° | 1093.6 | 1094.0 | 1093.2 | 1092.7 | 1094.9 |
| 15°   | 1079.5 | 1079.9 | 1079.5 | 1079.0 | 1080.8 |
| 17.5° | 1064.4 | 1064.9 | 1064.0 | 1062.7 | 1064.4 |
| 20°   | 1045.4 | 1046.3 | 1044.5 | 1043.7 | 1045.4 |
| 22.5° | 1024.2 | 1025.1 | 1023.3 | 1022.5 | 1022.5 |
| 25°   | 1000.8 | 1000.4 | 998.6  | 996.8  | 997.3  |
| 27.5° | 973.4  | 973.9  | 971.2  | 969.4  | 970.8  |
| 30°   | 943.8  | 944.2  | 940.3  | 938.9  | 939.4  |
| 32.5° | 910.7  | 910.2  | 906.7  | 904.5  | 904.5  |
| 35°   | 874.9  | 873.6  | 869.6  | 866.0  | 866.0  |
| 37.5° | 833.3  | 832.5  | 828.0  | 823.6  | 822.3  |
| 40°   | 787.8  | 786.9  | 780.3  | 774.6  | 772.4  |
| 42.5° | 741.0  | 738.3  | 727.7  | 718.9  | 716.7  |
| 45°   | 689.3  | 684.4  | 669.0  | 659.7  | 657.5  |
| 47.5° | 633.6  | 627.4  | 606.2  | 595.6  | 594.7  |
| 50°   | 574.9  | 563.8  | 542.6  | 528.9  | 527.1  |
| 52.5° | 515.6  | 499.7  | 475.4  | 465.3  | 467.9  |
| 55°   | 456.4  | 437.9  | 415.8  | 406.1  | 409.6  |
| 57.5° | 399.0  | 379.6  | 360.6  | 350.8  | 353.0  |
| 60°   | 344.6  | 327.9  | 309.7  | 301.8  | 304.4  |
| 62.5° | 291.2  | 280.6  | 265.1  | 258.0  | 261.6  |
| 65°   | 245.7  | 237.7  | 224.5  | 220.0  | 221.8  |
| 67.5° | 205.9  | 199.7  | 188.2  | 184.7  | 187.3  |
| 70°   | 168.8  | 164.4  | 155.5  | 154.2  | 156.4  |
| 72.5° | 133.4  | 130.8  | 125.9  | 123.7  | 125.0  |
| 75°   | 100.3  | 98.5   | 95.9   | 94.6   | 96.8   |
| 77.5° | 72.5   | 71.1   | 70.3   | 70.3   | 70.7   |
| 80°   | 49.0   | 48.6   | 48.2   | 47.7   | 48.6   |
| 82.5° | 30.0   | 30.0   | 30.0   | 30.0   | 30.5   |
| 85°   | 15.0   | 15.5   | 15.9   | 15.5   | 15.9   |
| 87.5° | 4.9    | 5.3    | 5.7    | 5.7    | 6.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)