

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737820

Luminaire Tested: **14PT-40-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PL1-L935
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

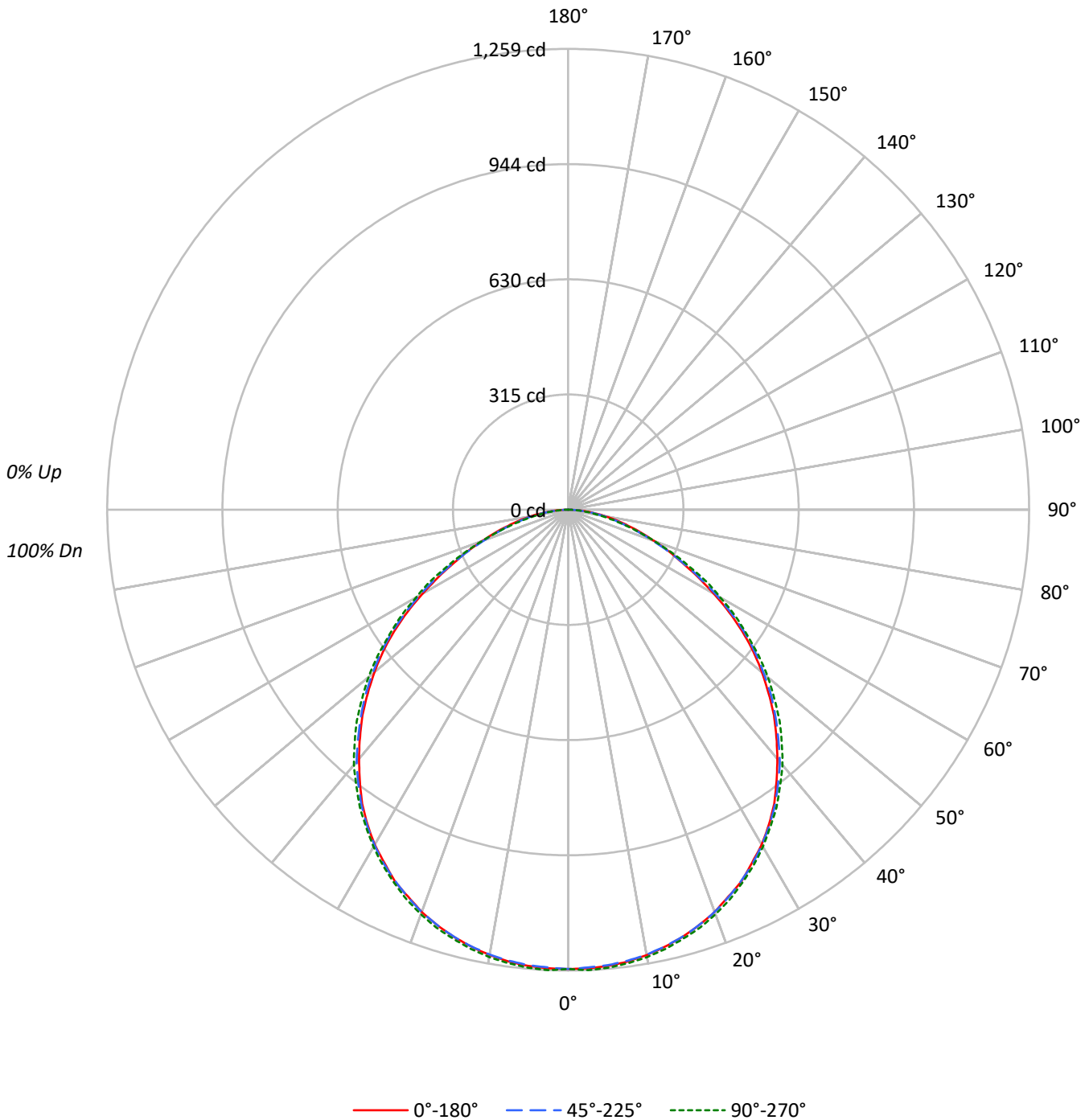
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3308.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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: 25 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 | 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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 94 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 83 | 79 | 75 | 80 | 77 | 74 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 66 | 77 | 70 | 65 | 74 | 69 | 64 | 71 | 67 | 63 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 52 |
| 5 | 77 | 65 | 56 | 49 | 75 | 64 | 55 | 49 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 46 |
| 6 | 71 | 58 | 50 | 43 | 69 | 57 | 49 | 43 | 56 | 48 | 43 | 54 | 47 | 42 | 52 | 47 | 42 | 40 |
| 7 | 66 | 53 | 44 | 38 | 65 | 52 | 44 | 38 | 51 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 37 | 35 |
| 8 | 62 | 48 | 40 | 34 | 60 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 32 |
| 9 | 58 | 44 | 36 | 31 | 56 | 44 | 36 | 31 | 43 | 36 | 31 | 42 | 35 | 30 | 41 | 35 | 30 | 29 |
| 10 | 54 | 41 | 33 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 28 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3762 | 3762 | 3762 |
| 5° | 3766 | 3759 | 3779 |
| 10° | 3761 | 3757 | 3778 |
| 15° | 3749 | 3748 | 3767 |
| 20° | 3731 | 3731 | 3752 |
| 25° | 3705 | 3701 | 3721 |
| 30° | 3659 | 3663 | 3681 |
| 35° | 3589 | 3603 | 3631 |
| 40° | 3477 | 3517 | 3563 |
| 45° | 3369 | 3397 | 3462 |
| 50° | 3221 | 3255 | 3320 |
| 55° | 3033 | 3082 | 3118 |
| 60° | 2752 | 2810 | 2880 |
| 65° | 2444 | 2470 | 2569 |
| 70° | 2184 | 2140 | 2192 |
| 75° | 1972 | 1858 | 1821 |
| 80° | 1790 | 1661 | 1478 |
| 85° | 1520 | 1376 | 1183 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 119.0 | 3.6 |
| 10°-20° | 341.4 | 10.3 |
| 20°-30° | 516.4 | 15.6 |
| 30°-40° | 615.6 | 18.6 |
| 40°-50° | 619.0 | 18.7 |
| 50°-60° | 525.3 | 15.9 |
| 60°-70° | 349.8 | 10.6 |
| 70°-80° | 174.7 | 5.3 |
| 80°-90° | 46.7 | 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° | 976.9 | 29.5 |
| 0°-40° | 1592.5 | 48.1 |
| 0°-60° | 2736.8 | 82.7 |
| 0°-90° | 3308.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3308.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1255 | 1255 | 1255 | 1255 | 1255 | |
| 5° | 1251 | 1252 | 1249 | 1254 | 1256 | 119 |
| 15° | 1208 | 1209 | 1208 | 1213 | 1214 | 341 |
| 25° | 1120 | 1120 | 1119 | 1124 | 1125 | 515 |
| 35° | 981 | 982 | 984 | 991 | 992 | 612 |
| 45° | 795 | 796 | 801 | 812 | 816 | 611 |
| 55° | 580 | 584 | 590 | 595 | 596 | 517 |
| 65° | 344 | 347 | 348 | 353 | 362 | 345 |
| 75° | 170 | 168 | 160 | 157 | 157 | 183 |
| 85° | 44 | 43 | 40 | 38 | 34 | 51 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |
| 2.5° | 1254.0 | 1254.9 | 1251.6 | 1257.7 | 1259.1 |
| 5° | 1251.2 | 1251.6 | 1248.9 | 1254.4 | 1255.8 |
| 7.5° | 1245.1 | 1245.6 | 1242.8 | 1248.9 | 1249.8 |
| 10° | 1235.4 | 1236.3 | 1234.0 | 1239.6 | 1241.0 |
| 12.5° | 1222.8 | 1224.2 | 1221.9 | 1227.9 | 1228.9 |
| 15° | 1207.9 | 1209.3 | 1207.5 | 1212.6 | 1213.5 |
| 17.5° | 1189.8 | 1190.7 | 1189.8 | 1194.5 | 1197.2 |
| 20° | 1169.4 | 1169.4 | 1169.4 | 1173.5 | 1175.9 |
| 22.5° | 1143.8 | 1146.1 | 1145.2 | 1150.8 | 1153.1 |
| 25° | 1120.1 | 1120.1 | 1118.7 | 1123.8 | 1124.7 |
| 27.5° | 1087.1 | 1090.8 | 1090.3 | 1095.0 | 1095.9 |
| 30° | 1056.8 | 1057.8 | 1058.2 | 1061.5 | 1063.3 |
| 32.5° | 1020.1 | 1021.0 | 1022.4 | 1027.1 | 1027.5 |
| 35° | 980.6 | 981.5 | 984.3 | 991.3 | 992.2 |
| 37.5° | 934.6 | 939.7 | 942.0 | 949.4 | 950.4 |
| 40° | 888.5 | 891.8 | 898.7 | 906.7 | 910.4 |
| 42.5° | 841.6 | 845.3 | 849.5 | 860.2 | 863.4 |
| 45° | 794.6 | 796.0 | 801.1 | 811.8 | 816.5 |
| 47.5° | 742.5 | 746.7 | 751.4 | 760.7 | 763.4 |
| 50° | 690.5 | 695.1 | 697.9 | 706.3 | 711.8 |
| 52.5° | 637.9 | 642.1 | 645.4 | 650.5 | 656.0 |
| 55° | 580.3 | 584.4 | 589.6 | 595.1 | 596.5 |
| 57.5° | 521.7 | 526.3 | 529.6 | 535.6 | 541.7 |
| 60° | 458.9 | 464.0 | 468.7 | 474.2 | 480.3 |
| 62.5° | 400.3 | 402.6 | 407.3 | 416.6 | 425.4 |
| 65° | 344.5 | 347.3 | 348.2 | 353.4 | 362.2 |
| 67.5° | 298.0 | 298.0 | 293.8 | 295.7 | 305.5 |
| 70° | 249.2 | 247.4 | 244.1 | 242.2 | 250.1 |
| 72.5° | 209.7 | 207.4 | 200.4 | 197.1 | 201.3 |
| 75° | 170.2 | 167.8 | 160.4 | 156.7 | 157.2 |
| 77.5° | 136.7 | 133.0 | 126.9 | 120.4 | 119.0 |
| 80° | 103.7 | 102.3 | 96.2 | 90.2 | 85.6 |
| 82.5° | 73.5 | 70.2 | 67.0 | 63.2 | 59.5 |
| 85° | 44.2 | 43.2 | 40.0 | 37.7 | 34.4 |
| 87.5° | 18.1 | 18.1 | 17.2 | 16.3 | 15.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)