

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: P737830

Luminaire Tested: **14PT-40-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PP3-L950
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

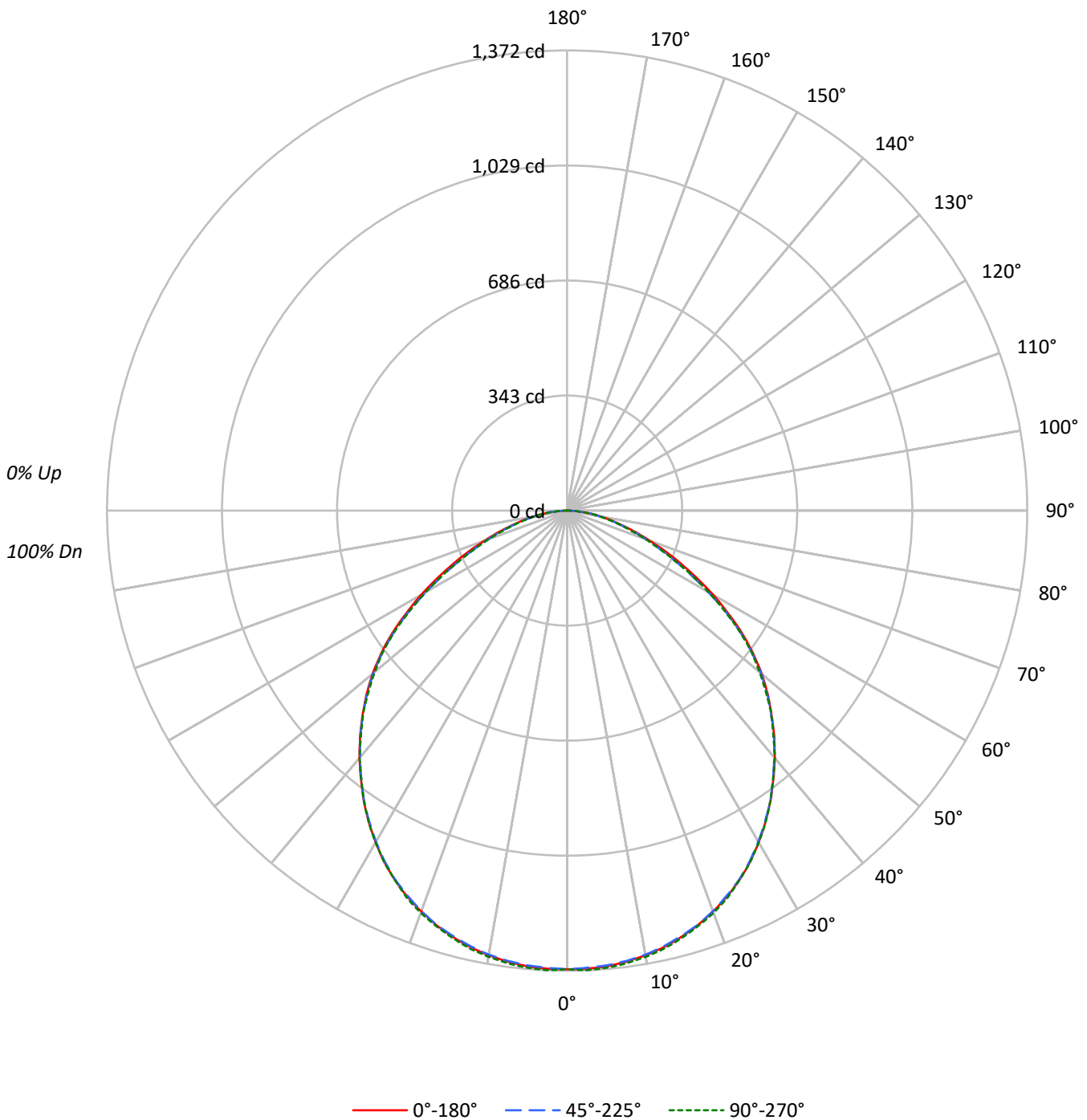
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3534.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
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 (A_{in}): 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





TEST NUMBER: P737830

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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 | 99 | 96 | 93 | | 95 | 92 | 90 | | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 78 | | 84 | 79 | 76 | | 81 | 77 | 74 | 72 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | | 74 | 69 | 65 | | 72 | 67 | 63 | 61 |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | | 66 | 60 | 56 | | 64 | 59 | 55 | 53 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 56 | 50 | 62 | 55 | 49 | | 60 | 54 | 49 | | 58 | 52 | 48 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | | 54 | 48 | 43 | | 53 | 47 | 42 | 40 |
| 7 | 66 | 53 | 45 | 39 | 65 | 52 | 44 | 39 | 51 | 44 | 38 | | 50 | 43 | 38 | | 48 | 42 | 38 | 36 |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 35 | 47 | 39 | 34 | | 45 | 39 | 34 | | 44 | 38 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 36 | 31 | 43 | 36 | 31 | | 42 | 35 | 31 | | 41 | 35 | 31 | 29 |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | | 39 | 33 | 28 | | 38 | 32 | 28 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4100 | 4100 | 4100 |
| 5° | 4104 | 4095 | 4118 |
| 10° | 4099 | 4093 | 4113 |
| 15° | 4085 | 4077 | 4096 |
| 20° | 4058 | 4055 | 4072 |
| 25° | 4022 | 4015 | 4020 |
| 30° | 3955 | 3946 | 3955 |
| 35° | 3869 | 3863 | 3867 |
| 40° | 3769 | 3758 | 3767 |
| 45° | 3656 | 3646 | 3650 |
| 50° | 3534 | 3517 | 3492 |
| 55° | 3327 | 3288 | 3277 |
| 60° | 3018 | 2917 | 2923 |
| 65° | 2652 | 2518 | 2515 |
| 70° | 2293 | 2189 | 2163 |
| 75° | 1984 | 1909 | 1868 |
| 80° | 1758 | 1732 | 1654 |
| 85° | 1452 | 1503 | 1417 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.7 | 3.7 |
| 10°-20° | 371.6 | 10.5 |
| 20°-30° | 559.5 | 15.8 |
| 30°-40° | 660.3 | 18.7 |
| 40°-50° | 664.1 | 18.8 |
| 50°-60° | 560.6 | 15.9 |
| 60°-70° | 360.1 | 10.2 |
| 70°-80° | 179.1 | 5.1 |
| 80°-90° | 49.1 | 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° | 1060.8 | 30.0 |
| 0°-40° | 1721.1 | 48.7 |
| 0°-60° | 2945.8 | 83.4 |
| 0°-90° | 3534.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3534.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1368 | 1368 | 1368 | 1368 | 1368 | |
| 5° | 1364 | 1364 | 1361 | 1367 | 1368 | 130 |
| 15° | 1316 | 1317 | 1314 | 1320 | 1320 | 371 |
| 25° | 1216 | 1216 | 1214 | 1216 | 1215 | 559 |
| 35° | 1057 | 1057 | 1056 | 1056 | 1056 | 661 |
| 45° | 862 | 865 | 860 | 861 | 861 | 665 |
| 55° | 636 | 636 | 629 | 626 | 627 | 566 |
| 65° | 374 | 368 | 355 | 352 | 354 | 373 |
| 75° | 171 | 170 | 165 | 163 | 161 | 185 |
| 85° | 42 | 44 | 44 | 41 | 41 | 50 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P737830

CATALOG NUMBER: 14PT-40-PP3-L950

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1367.7 | 1367.7 | 1367.7 | 1367.7 | 1367.7 |
| 2.5° | 1367.2 | 1367.7 | 1364.3 | 1370.7 | 1371.7 |
| 5° | 1363.8 | 1364.3 | 1360.8 | 1367.2 | 1368.2 |
| 7.5° | 1356.8 | 1357.3 | 1354.3 | 1360.3 | 1361.3 |
| 10° | 1346.4 | 1347.9 | 1344.4 | 1349.9 | 1350.9 |
| 12.5° | 1333.5 | 1334.0 | 1330.5 | 1337.0 | 1337.9 |
| 15° | 1316.1 | 1316.6 | 1313.6 | 1319.6 | 1319.6 |
| 17.5° | 1296.2 | 1296.7 | 1294.8 | 1299.7 | 1299.2 |
| 20° | 1271.9 | 1273.4 | 1270.9 | 1274.4 | 1276.4 |
| 22.5° | 1245.6 | 1246.1 | 1243.1 | 1247.6 | 1249.6 |
| 25° | 1215.8 | 1216.3 | 1213.8 | 1216.3 | 1215.3 |
| 27.5° | 1181.1 | 1182.1 | 1178.6 | 1181.1 | 1181.6 |
| 30° | 1142.3 | 1144.8 | 1139.9 | 1141.8 | 1142.3 |
| 32.5° | 1100.6 | 1102.1 | 1098.7 | 1099.2 | 1101.6 |
| 35° | 1057.0 | 1057.4 | 1055.5 | 1056.5 | 1056.5 |
| 37.5° | 1009.8 | 1011.8 | 1008.8 | 1010.3 | 1008.3 |
| 40° | 963.1 | 961.1 | 960.1 | 961.1 | 962.6 |
| 42.5° | 914.0 | 914.5 | 913.0 | 912.0 | 909.5 |
| 45° | 862.3 | 865.3 | 859.9 | 860.9 | 860.9 |
| 47.5° | 811.7 | 812.2 | 809.2 | 806.2 | 804.3 |
| 50° | 757.6 | 757.6 | 754.1 | 751.6 | 748.7 |
| 52.5° | 698.5 | 697.5 | 693.5 | 691.1 | 692.6 |
| 55° | 636.5 | 636.0 | 629.0 | 626.5 | 627.0 |
| 57.5° | 568.4 | 569.4 | 559.0 | 556.5 | 556.5 |
| 60° | 503.4 | 498.4 | 486.5 | 483.1 | 487.5 |
| 62.5° | 435.4 | 429.4 | 416.5 | 416.5 | 420.0 |
| 65° | 373.8 | 368.4 | 355.0 | 351.5 | 354.5 |
| 67.5° | 316.2 | 311.3 | 298.9 | 296.9 | 297.9 |
| 70° | 261.6 | 257.2 | 249.7 | 245.2 | 246.7 |
| 72.5° | 214.5 | 210.5 | 205.5 | 202.1 | 200.1 |
| 75° | 171.3 | 170.3 | 164.8 | 163.3 | 161.3 |
| 77.5° | 135.5 | 135.0 | 130.6 | 128.6 | 126.6 |
| 80° | 101.8 | 101.3 | 100.3 | 97.3 | 95.8 |
| 82.5° | 72.5 | 72.5 | 72.0 | 69.5 | 68.0 |
| 85° | 42.2 | 43.7 | 43.7 | 41.2 | 41.2 |
| 87.5° | 16.9 | 17.9 | 16.9 | 16.9 | 16.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)