

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: P737909

Luminaire Tested: **14PT-60-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737909
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-60-PL1-L940
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

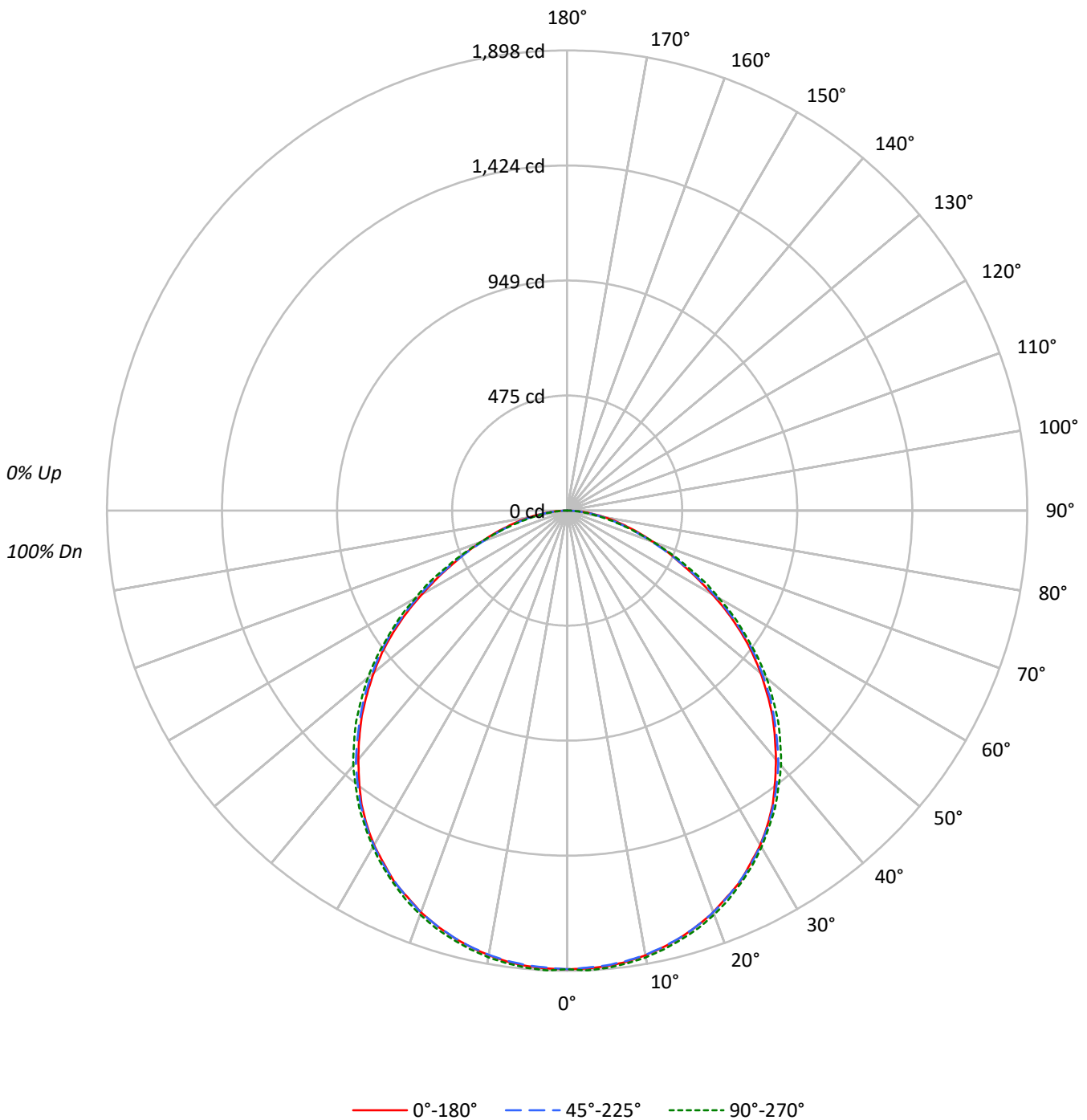
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4987.0 lumens
Efficiency: N/A
Efficacy: 100.1 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): 49.8
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





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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° | 5672 | 5672 | 5672 |
| 5° | 5677 | 5666 | 5698 |
| 10° | 5670 | 5663 | 5695 |
| 15° | 5652 | 5650 | 5678 |
| 20° | 5625 | 5625 | 5656 |
| 25° | 5586 | 5579 | 5609 |
| 30° | 5515 | 5523 | 5549 |
| 35° | 5411 | 5431 | 5475 |
| 40° | 5242 | 5303 | 5371 |
| 45° | 5079 | 5121 | 5218 |
| 50° | 4855 | 4907 | 5005 |
| 55° | 4573 | 4646 | 4701 |
| 60° | 4148 | 4236 | 4342 |
| 65° | 3685 | 3724 | 3873 |
| 70° | 3293 | 3226 | 3306 |
| 75° | 2971 | 2801 | 2744 |
| 80° | 2699 | 2505 | 2227 |
| 85° | 2291 | 2074 | 1785 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 179.5 | 3.6 |
| 10°-20° | 514.7 | 10.3 |
| 20°-30° | 778.6 | 15.6 |
| 30°-40° | 928.0 | 18.6 |
| 40°-50° | 933.2 | 18.7 |
| 50°-60° | 792.0 | 15.9 |
| 60°-70° | 527.3 | 10.6 |
| 70°-80° | 263.3 | 5.3 |
| 80°-90° | 70.4 | 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° | 1472.7 | 29.5 |
| 0°-40° | 2400.8 | 48.1 |
| 0°-60° | 4125.9 | 82.7 |
| 0°-90° | 4987.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4987.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1892 | 1892 | 1892 | 1892 | 1892 | |
| 5° | 1886 | 1887 | 1883 | 1891 | 1893 | 179 |
| 15° | 1821 | 1823 | 1820 | 1828 | 1830 | 514 |
| 25° | 1689 | 1689 | 1686 | 1694 | 1696 | 776 |
| 35° | 1478 | 1480 | 1484 | 1494 | 1496 | 922 |
| 45° | 1198 | 1200 | 1208 | 1224 | 1231 | 922 |
| 55° | 875 | 881 | 889 | 897 | 899 | 780 |
| 65° | 519 | 524 | 525 | 533 | 546 | 521 |
| 75° | 256 | 253 | 242 | 236 | 237 | 275 |
| 85° | 67 | 65 | 60 | 57 | 52 | 77 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P737909

CATALOG NUMBER: 14PT-60-PL1-L940

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1891.8 | 1891.8 | 1891.8 | 1891.8 | 1891.8 |
| 2.5° | 1890.4 | 1891.8 | 1886.9 | 1896.0 | 1898.1 |
| 5° | 1886.2 | 1886.9 | 1882.7 | 1891.1 | 1893.2 |
| 7.5° | 1877.1 | 1877.8 | 1873.6 | 1882.7 | 1884.1 |
| 10° | 1862.4 | 1863.8 | 1860.3 | 1868.7 | 1870.8 |
| 12.5° | 1843.5 | 1845.6 | 1842.1 | 1851.2 | 1852.6 |
| 15° | 1821.0 | 1823.1 | 1820.3 | 1828.1 | 1829.5 |
| 17.5° | 1793.7 | 1795.1 | 1793.7 | 1800.7 | 1804.9 |
| 20° | 1762.9 | 1762.9 | 1762.9 | 1769.2 | 1772.7 |
| 22.5° | 1724.3 | 1727.8 | 1726.4 | 1734.8 | 1738.3 |
| 25° | 1688.6 | 1688.6 | 1686.5 | 1694.2 | 1695.6 |
| 27.5° | 1638.8 | 1644.4 | 1643.7 | 1650.7 | 1652.1 |
| 30° | 1593.2 | 1594.6 | 1595.3 | 1600.2 | 1603.0 |
| 32.5° | 1537.9 | 1539.3 | 1541.4 | 1548.4 | 1549.1 |
| 35° | 1478.3 | 1479.7 | 1483.9 | 1494.4 | 1495.8 |
| 37.5° | 1408.9 | 1416.6 | 1420.1 | 1431.3 | 1432.7 |
| 40° | 1339.5 | 1344.4 | 1354.9 | 1366.8 | 1372.4 |
| 42.5° | 1268.7 | 1274.3 | 1280.6 | 1296.7 | 1301.6 |
| 45° | 1197.9 | 1200.0 | 1207.7 | 1223.8 | 1230.8 |
| 47.5° | 1119.4 | 1125.7 | 1132.7 | 1146.7 | 1150.9 |
| 50° | 1040.9 | 1047.9 | 1052.1 | 1064.7 | 1073.1 |
| 52.5° | 961.7 | 968.0 | 972.9 | 980.6 | 989.0 |
| 55° | 874.8 | 881.1 | 888.8 | 897.2 | 899.3 |
| 57.5° | 786.5 | 793.5 | 798.4 | 807.5 | 816.6 |
| 60° | 691.8 | 699.5 | 706.5 | 715.0 | 724.1 |
| 62.5° | 603.5 | 607.0 | 614.0 | 628.0 | 641.4 |
| 65° | 519.4 | 523.6 | 525.0 | 532.7 | 546.0 |
| 67.5° | 449.3 | 449.3 | 443.0 | 445.8 | 460.5 |
| 70° | 375.7 | 372.9 | 368.0 | 365.2 | 377.1 |
| 72.5° | 316.1 | 312.6 | 302.1 | 297.2 | 303.5 |
| 75° | 256.5 | 253.0 | 241.8 | 236.2 | 236.9 |
| 77.5° | 206.1 | 200.5 | 191.4 | 181.5 | 179.4 |
| 80° | 156.3 | 154.2 | 145.1 | 136.0 | 129.0 |
| 82.5° | 110.7 | 105.8 | 100.9 | 95.3 | 89.7 |
| 85° | 66.6 | 65.2 | 60.3 | 56.8 | 51.9 |
| 87.5° | 27.3 | 27.3 | 25.9 | 24.5 | 23.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)