

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: P738289

Luminaire Tested: **22PT-60-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PL1-L840
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

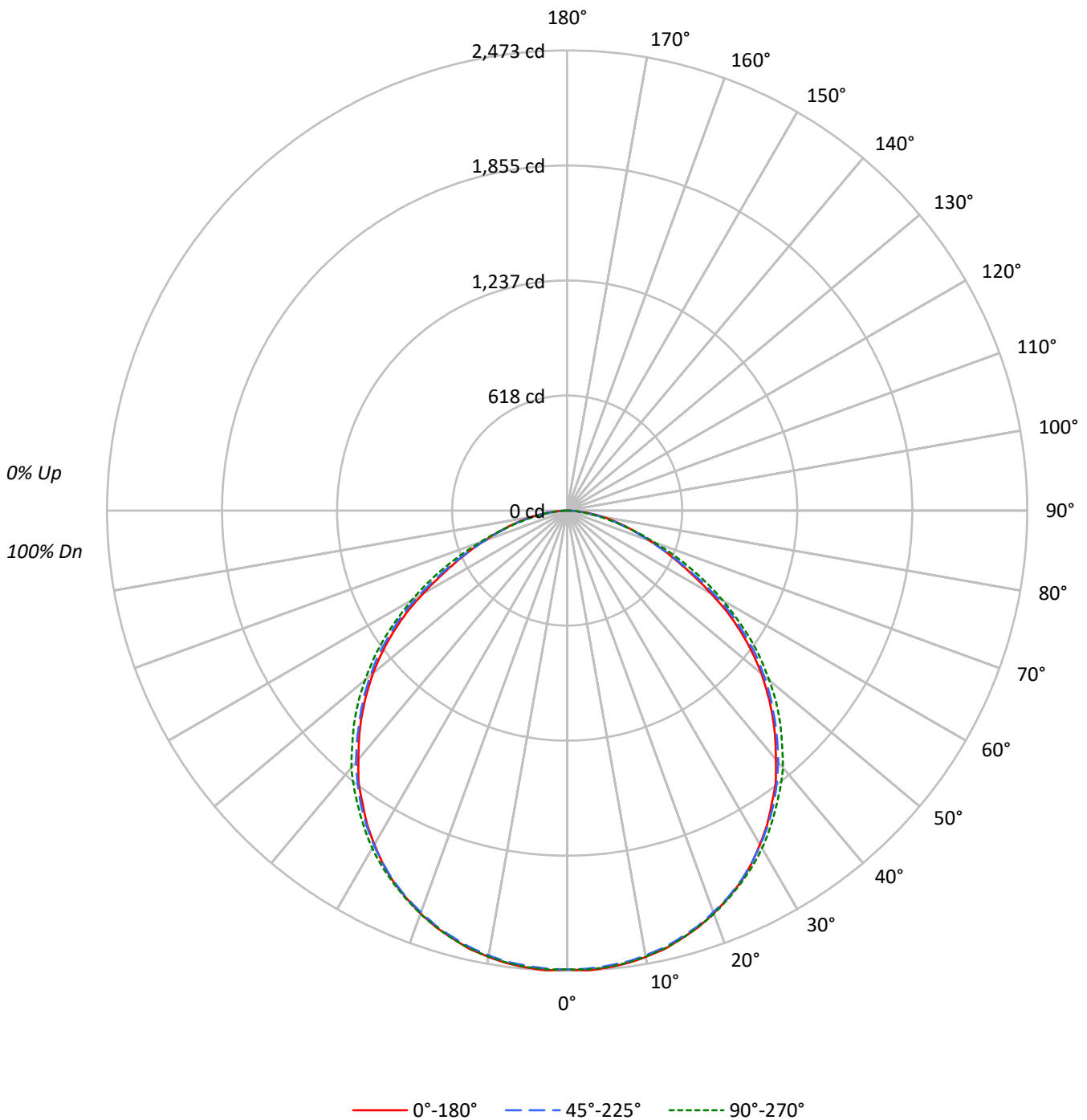
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6497.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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 | | 95 | 92 | 90 | | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | | 83 | 79 | 76 | | 80 | 77 | 74 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 67 | 77 | 71 | 65 | | 74 | 69 | 64 | | 72 | 67 | 63 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 68 | 62 | 56 | | 66 | 60 | 55 | | 64 | 59 | 55 | 52 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 55 | 49 | 62 | 54 | 49 | | 60 | 53 | 48 | | 58 | 52 | 48 | 46 |
| 6 | 71 | 58 | 50 | 43 | 70 | 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 | 31 | | 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° | 7225 | 7225 | 7225 |
| 5° | 7253 | 7225 | 7244 |
| 10° | 7247 | 7222 | 7241 |
| 15° | 7222 | 7200 | 7225 |
| 20° | 7184 | 7162 | 7191 |
| 25° | 7127 | 7113 | 7144 |
| 30° | 7009 | 7023 | 7090 |
| 35° | 6861 | 6910 | 6991 |
| 40° | 6674 | 6749 | 6901 |
| 45° | 6470 | 6526 | 6710 |
| 50° | 6214 | 6290 | 6460 |
| 55° | 5835 | 5951 | 6137 |
| 60° | 5247 | 5423 | 5654 |
| 65° | 4596 | 4690 | 5042 |
| 70° | 4035 | 3999 | 4257 |
| 75° | 3629 | 3477 | 3488 |
| 80° | 3257 | 3081 | 2749 |
| 85° | 2582 | 2545 | 2091 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 233.9 | 3.6 |
| 10°-20° | 670.7 | 10.3 |
| 20°-30° | 1014.3 | 15.6 |
| 30°-40° | 1209.4 | 18.6 |
| 40°-50° | 1221.1 | 18.8 |
| 50°-60° | 1041.7 | 16.0 |
| 60°-70° | 684.5 | 10.5 |
| 70°-80° | 335.2 | 5.2 |
| 80°-90° | 86.4 | 1.3 |
| 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° | 1918.8 | 29.5 |
| 0°-40° | 3128.2 | 48.1 |
| 0°-60° | 5391.0 | 83.0 |
| 0°-90° | 6497.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6497.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2466 | 2466 | 2466 | 2466 | 2466 | |
| 5° | 2466 | 2461 | 2457 | 2457 | 2463 | 234 |
| 15° | 2381 | 2377 | 2374 | 2375 | 2382 | 672 |
| 25° | 2204 | 2199 | 2200 | 2204 | 2210 | 1014 |
| 35° | 1918 | 1923 | 1932 | 1945 | 1954 | 1200 |
| 45° | 1561 | 1565 | 1575 | 1606 | 1619 | 1203 |
| 55° | 1142 | 1148 | 1165 | 1192 | 1201 | 1017 |
| 65° | 663 | 663 | 676 | 708 | 727 | 663 |
| 75° | 321 | 317 | 307 | 305 | 308 | 343 |
| 85° | 77 | 77 | 76 | 70 | 62 | 92 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CATALOG NUMBER: 22PT-60-PL1-L840

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2465.9 | 2465.9 | 2465.9 | 2465.9 | 2465.9 |
| 2.5° | 2473.2 | 2468.0 | 2464.9 | 2462.8 | 2468.0 |
| 5° | 2465.9 | 2460.7 | 2456.6 | 2456.6 | 2462.8 |
| 7.5° | 2454.5 | 2449.3 | 2446.2 | 2445.2 | 2451.4 |
| 10° | 2435.8 | 2429.6 | 2427.5 | 2426.5 | 2433.8 |
| 12.5° | 2414.0 | 2404.7 | 2404.7 | 2403.7 | 2410.9 |
| 15° | 2380.8 | 2376.7 | 2373.6 | 2374.6 | 2381.9 |
| 17.5° | 2346.6 | 2342.5 | 2340.4 | 2340.4 | 2344.5 |
| 20° | 2304.1 | 2298.9 | 2296.8 | 2298.9 | 2306.2 |
| 22.5° | 2255.3 | 2252.2 | 2252.2 | 2254.3 | 2259.5 |
| 25° | 2204.5 | 2199.3 | 2200.3 | 2203.5 | 2209.7 |
| 27.5° | 2142.2 | 2141.2 | 2141.2 | 2148.5 | 2155.7 |
| 30° | 2071.7 | 2071.7 | 2075.9 | 2086.2 | 2095.6 |
| 32.5° | 2000.1 | 1999.1 | 2007.4 | 2016.7 | 2027.1 |
| 35° | 1918.2 | 1923.4 | 1931.7 | 1945.1 | 1954.5 |
| 37.5° | 1841.4 | 1840.4 | 1850.7 | 1874.6 | 1880.8 |
| 40° | 1744.9 | 1752.2 | 1764.6 | 1788.5 | 1804.1 |
| 42.5° | 1654.7 | 1659.9 | 1671.3 | 1699.3 | 1709.6 |
| 45° | 1561.3 | 1565.4 | 1574.8 | 1605.9 | 1619.4 |
| 47.5° | 1462.7 | 1467.9 | 1481.4 | 1507.4 | 1522.9 |
| 50° | 1363.2 | 1370.4 | 1379.8 | 1404.6 | 1417.1 |
| 52.5° | 1254.2 | 1263.6 | 1280.2 | 1303.0 | 1312.3 |
| 55° | 1142.2 | 1148.4 | 1165.0 | 1192.0 | 1201.3 |
| 57.5° | 1025.0 | 1030.1 | 1054.0 | 1073.7 | 1081.0 |
| 60° | 895.3 | 901.5 | 925.4 | 956.5 | 964.8 |
| 62.5° | 772.9 | 778.1 | 798.8 | 836.1 | 848.6 |
| 65° | 662.9 | 662.9 | 676.4 | 707.5 | 727.2 |
| 67.5° | 565.4 | 563.3 | 565.4 | 589.2 | 610.0 |
| 70° | 471.0 | 472.0 | 466.8 | 481.4 | 496.9 |
| 72.5° | 393.2 | 393.2 | 382.8 | 384.9 | 397.3 |
| 75° | 320.6 | 317.4 | 307.1 | 305.0 | 308.1 |
| 77.5° | 256.2 | 251.1 | 242.8 | 236.5 | 229.3 |
| 80° | 193.0 | 188.8 | 182.6 | 173.2 | 162.9 |
| 82.5° | 134.9 | 130.7 | 126.6 | 121.4 | 111.0 |
| 85° | 76.8 | 76.8 | 75.7 | 69.5 | 62.2 |
| 87.5° | 31.1 | 30.1 | 29.0 | 28.0 | 25.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)