

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: P383811

Luminaire Tested: **22ID-65-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-65-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

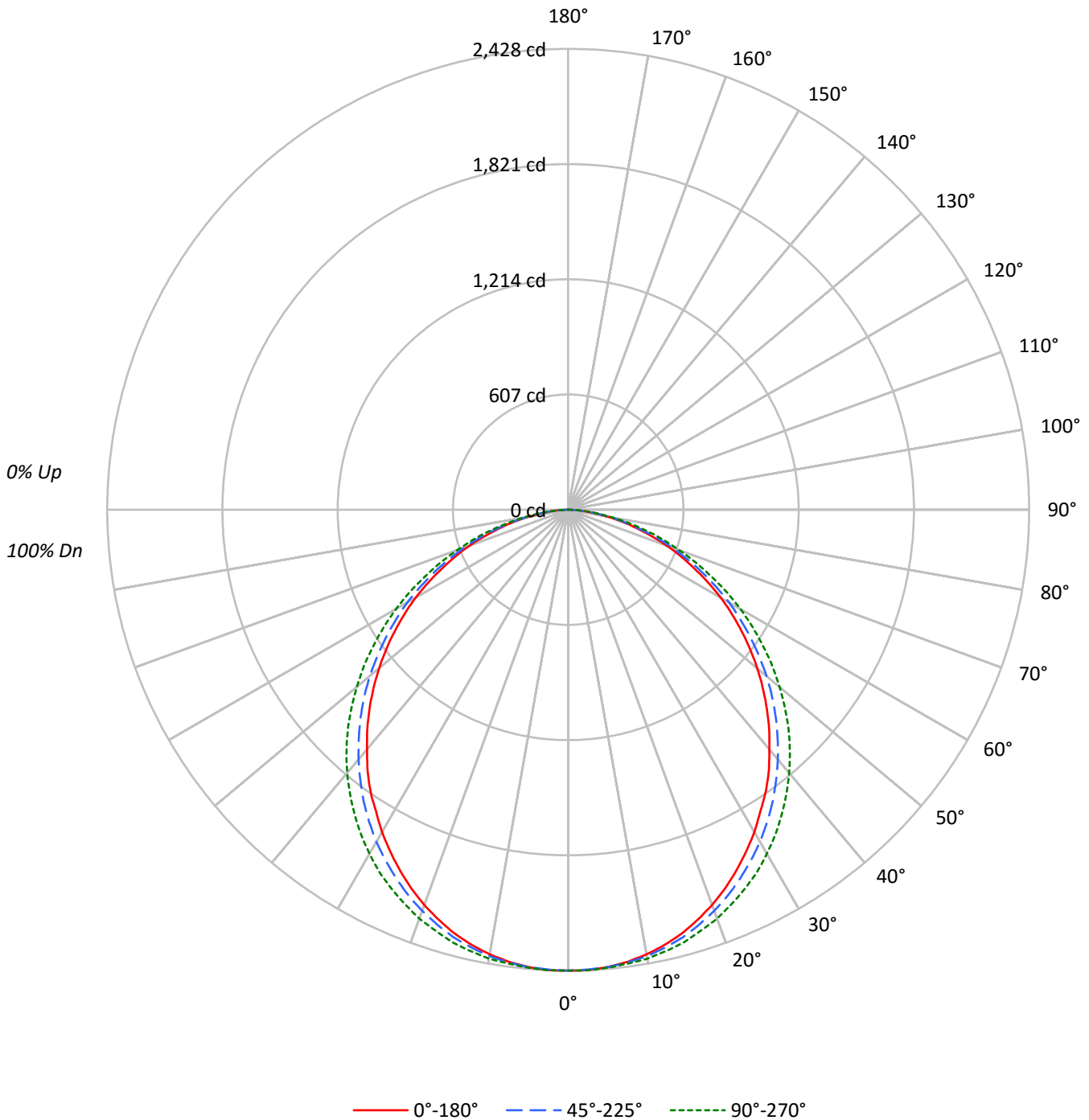
Lumens per Lamp: N/A
Luminaire Lumens: 6594.9 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 |
| 2 | 99 | 91 | 84 | 79 | 97 | 89 | 83 | 78 | 86 | 81 | 76 | 82 | 78 | 74 | 79 | 76 | 73 | 71 |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 65 | 76 | 69 | 64 | 73 | 67 | 63 | 70 | 66 | 62 | 60 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 51 |
| 5 | 76 | 64 | 55 | 48 | 74 | 63 | 54 | 48 | 60 | 53 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 44 |
| 6 | 71 | 57 | 48 | 42 | 69 | 56 | 48 | 42 | 55 | 47 | 42 | 53 | 46 | 41 | 51 | 45 | 41 | 39 |
| 7 | 65 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 36 | 34 |
| 8 | 61 | 47 | 39 | 33 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 32 | 31 |
| 9 | 57 | 44 | 35 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 29 | 28 |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6535 | 6535 | 6535 |
| 5° | 6532 | 6532 | 6542 |
| 10° | 6499 | 6527 | 6563 |
| 15° | 6442 | 6497 | 6571 |
| 20° | 6346 | 6441 | 6564 |
| 25° | 6225 | 6363 | 6540 |
| 30° | 6092 | 6278 | 6504 |
| 35° | 5961 | 6168 | 6441 |
| 40° | 5792 | 6036 | 6363 |
| 45° | 5630 | 5883 | 6249 |
| 50° | 5444 | 5708 | 6083 |
| 55° | 5229 | 5494 | 5883 |
| 60° | 4999 | 5267 | 5642 |
| 65° | 4668 | 4943 | 5280 |
| 70° | 4333 | 4567 | 4880 |
| 75° | 3863 | 4069 | 4415 |
| 80° | 3239 | 3392 | 3701 |
| 85° | 2458 | 2458 | 2766 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 229.8 | 3.5 |
| 10°-20° | 657.6 | 10.0 |
| 20°-30° | 988.8 | 15.0 |
| 30°-40° | 1176.3 | 17.8 |
| 40°-50° | 1196.9 | 18.1 |
| 50°-60° | 1053.3 | 16.0 |
| 60°-70° | 772.7 | 11.7 |
| 70°-80° | 419.4 | 6.4 |
| 80°-90° | 100.1 | 1.5 |
| 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° | 1876.2 | 28.5 |
| 0°-40° | 3052.5 | 46.3 |
| 0°-60° | 5302.7 | 80.4 |
| 0°-90° | 6594.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6594.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2428 | 2428 | 2428 | 2428 | 2428 | |
| 5° | 2418 | 2415 | 2418 | 2418 | 2422 | 230 |
| 15° | 2312 | 2316 | 2332 | 2345 | 2359 | 651 |
| 25° | 2097 | 2110 | 2143 | 2180 | 2203 | 966 |
| 35° | 1815 | 1828 | 1878 | 1934 | 1961 | 1133 |
| 45° | 1480 | 1493 | 1546 | 1612 | 1642 | 1141 |
| 55° | 1115 | 1131 | 1171 | 1227 | 1254 | 997 |
| 65° | 733 | 746 | 776 | 809 | 829 | 729 |
| 75° | 372 | 378 | 391 | 411 | 425 | 395 |
| 85° | 80 | 80 | 80 | 86 | 90 | 96 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2428.3 | 2428.3 | 2428.3 | 2428.3 | 2428.3 |
| 2.5° | 2428.3 | 2425.0 | 2425.0 | 2425.0 | 2428.3 |
| 5° | 2418.3 | 2415.0 | 2418.3 | 2418.3 | 2421.7 |
| 7.5° | 2401.8 | 2398.4 | 2405.1 | 2408.4 | 2411.7 |
| 10° | 2378.5 | 2378.5 | 2388.5 | 2395.1 | 2401.8 |
| 12.5° | 2348.7 | 2352.0 | 2361.9 | 2371.9 | 2381.9 |
| 15° | 2312.2 | 2315.5 | 2332.1 | 2345.4 | 2358.6 |
| 17.5° | 2265.7 | 2272.4 | 2292.3 | 2312.2 | 2325.5 |
| 20° | 2216.0 | 2225.9 | 2249.2 | 2275.7 | 2292.3 |
| 22.5° | 2159.6 | 2172.9 | 2199.4 | 2232.6 | 2249.2 |
| 25° | 2096.6 | 2109.8 | 2143.0 | 2179.5 | 2202.7 |
| 27.5° | 2030.2 | 2046.8 | 2083.3 | 2126.4 | 2153.0 |
| 30° | 1960.6 | 1977.1 | 2020.3 | 2066.7 | 2093.2 |
| 32.5° | 1884.3 | 1904.2 | 1950.6 | 2003.7 | 2030.2 |
| 35° | 1814.6 | 1827.9 | 1877.6 | 1934.0 | 1960.6 |
| 37.5° | 1735.0 | 1751.6 | 1798.0 | 1857.7 | 1887.6 |
| 40° | 1648.7 | 1665.3 | 1718.4 | 1778.1 | 1811.3 |
| 42.5° | 1565.8 | 1579.1 | 1632.1 | 1698.5 | 1728.3 |
| 45° | 1479.5 | 1492.8 | 1545.9 | 1612.2 | 1642.1 |
| 47.5° | 1390.0 | 1406.6 | 1456.3 | 1519.3 | 1549.2 |
| 50° | 1300.4 | 1313.7 | 1363.4 | 1423.1 | 1453.0 |
| 52.5° | 1207.5 | 1220.8 | 1267.2 | 1326.9 | 1356.8 |
| 55° | 1114.6 | 1131.2 | 1171.0 | 1227.4 | 1254.0 |
| 57.5° | 1021.7 | 1038.3 | 1074.8 | 1127.9 | 1151.1 |
| 60° | 928.9 | 942.1 | 978.6 | 1025.1 | 1048.3 |
| 62.5° | 829.3 | 839.3 | 875.8 | 922.2 | 942.1 |
| 65° | 733.1 | 746.4 | 776.3 | 809.4 | 829.3 |
| 67.5° | 643.6 | 650.2 | 676.7 | 713.2 | 726.5 |
| 70° | 550.7 | 557.3 | 580.5 | 610.4 | 620.3 |
| 72.5° | 457.8 | 467.7 | 484.3 | 510.9 | 524.1 |
| 75° | 371.5 | 378.2 | 391.4 | 411.4 | 424.6 |
| 77.5° | 288.6 | 291.9 | 301.9 | 318.5 | 328.4 |
| 80° | 209.0 | 212.3 | 218.9 | 232.2 | 238.8 |
| 82.5° | 139.3 | 142.6 | 146.0 | 152.6 | 159.2 |
| 85° | 79.6 | 79.6 | 79.6 | 86.3 | 89.6 |
| 87.5° | 29.9 | 26.5 | 26.5 | 26.5 | 26.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)