

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: P384595

Luminaire Tested: **14ID-65-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-65-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

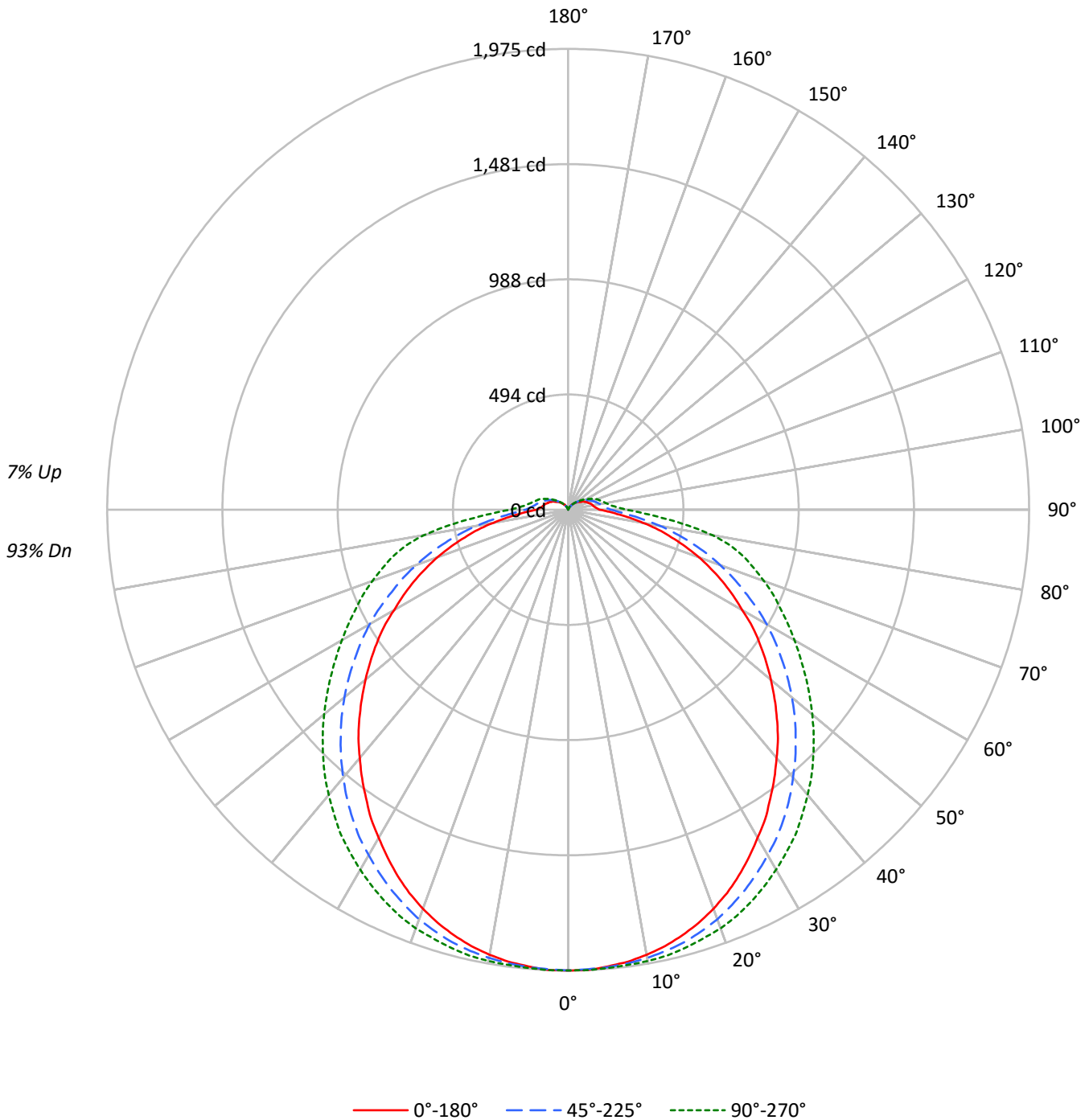
Lumens per Lamp: N/A
Luminaire Lumens: 6910.1 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 58.4
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



TEST NUMBER: P384595
CATALOG NUMBER: 14ID-65-L835-CFD3

Luminous Intensity Polar Plot





TEST NUMBER: P384595

CATALOG NUMBER: 14ID-65-L835-CFD3

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 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 95 | 95 | 95 | 93 |
| 1 | 105 | 100 | 95 | 91 | 102 | 97 | 93 | 89 | 91 | 88 | 84 | 86 | 83 | 80 | 81 | 79 | 77 | 74 |
| 2 | 95 | 86 | 79 | 73 | 92 | 84 | 77 | 71 | 79 | 73 | 68 | 74 | 70 | 66 | 70 | 67 | 63 | 60 |
| 3 | 86 | 75 | 66 | 60 | 83 | 73 | 65 | 59 | 69 | 62 | 57 | 65 | 59 | 55 | 62 | 57 | 53 | 50 |
| 4 | 79 | 66 | 57 | 50 | 76 | 64 | 56 | 49 | 61 | 54 | 48 | 58 | 51 | 46 | 55 | 49 | 45 | 42 |
| 5 | 72 | 59 | 50 | 43 | 70 | 57 | 49 | 42 | 54 | 47 | 41 | 52 | 45 | 40 | 49 | 43 | 39 | 36 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 41 | 36 | 47 | 40 | 35 | 44 | 39 | 34 | 32 |
| 7 | 62 | 48 | 39 | 33 | 60 | 47 | 38 | 32 | 44 | 37 | 31 | 42 | 36 | 31 | 40 | 35 | 30 | 28 |
| 8 | 57 | 44 | 35 | 29 | 55 | 43 | 34 | 29 | 41 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 37 | 30 | 25 | 36 | 29 | 25 | 34 | 28 | 24 | 22 |
| 10 | 50 | 37 | 29 | 23 | 49 | 36 | 28 | 23 | 35 | 28 | 23 | 33 | 27 | 22 | 32 | 26 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5314 | 5314 | 5314 |
| 5° | 5277 | 5215 | 5211 |
| 10° | 5235 | 5130 | 5141 |
| 15° | 5175 | 5049 | 5075 |
| 20° | 5095 | 4951 | 5011 |
| 25° | 4991 | 4833 | 4930 |
| 30° | 4868 | 4710 | 4838 |
| 35° | 4751 | 4588 | 4750 |
| 40° | 4636 | 4442 | 4633 |
| 45° | 4530 | 4297 | 4522 |
| 50° | 4418 | 4146 | 4402 |
| 55° | 4319 | 3982 | 4289 |
| 60° | 4184 | 3823 | 4206 |
| 65° | 4102 | 3603 | 4157 |
| 70° | 4003 | 3391 | 4163 |
| 75° | 3864 | 3103 | 4189 |
| 80° | 3746 | 2750 | 4020 |
| 85° | 3786 | 2324 | 3227 |



TEST NUMBER: P384595

CATALOG NUMBER: 14ID-65-L835-CFD3

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 187.2 | 2.7 |
| 10°-20° | 541.1 | 7.8 |
| 20°-30° | 826.7 | 12.0 |
| 30°-40° | 1006.3 | 14.6 |
| 40°-50° | 1063.6 | 15.4 |
| 50°-60° | 1003.9 | 14.5 |
| 60°-70° | 844.6 | 12.2 |
| 70°-80° | 608.9 | 8.8 |
| 80°-90° | 321.2 | 4.6 |
| 90°-100° | 171.9 | 2.5 |
| 100°-110° | 130.6 | 1.9 |
| 110°-120° | 94.7 | 1.4 |
| 120°-130° | 59.4 | 0.9 |
| 130°-140° | 32.1 | 0.5 |
| 140°-150° | 14.0 | 0.2 |
| 150°-160° | 3.7 | 0.1 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1555.0 | 22.5 |
| 0°-40° | 2561.2 | 37.1 |
| 0°-60° | 4628.7 | 67.0 |
| 0°-90° | 6403.5 | 92.7 |
| 90°-120° | 397.1 | 5.7 |
| 90°-150° | 502.8 | 7.3 |
| 90°-180° | 507.0 | 7.3 |
| 0°-180° | 6910.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1975 | 1975 | 1975 | 1975 | 1975 | |
| 5° | 1964 | 1964 | 1968 | 1968 | 1971 | 187 |
| 15° | 1888 | 1895 | 1920 | 1933 | 1944 | 533 |
| 25° | 1730 | 1751 | 1796 | 1837 | 1854 | 797 |
| 35° | 1509 | 1544 | 1613 | 1675 | 1699 | 945 |
| 45° | 1265 | 1303 | 1378 | 1454 | 1485 | 976 |
| 55° | 1003 | 1048 | 1117 | 1199 | 1241 | 896 |
| 65° | 731 | 772 | 834 | 937 | 1003 | 722 |
| 75° | 458 | 496 | 544 | 651 | 779 | 487 |
| 85° | 210 | 238 | 265 | 331 | 403 | 197 |
| 90° | 134 | 158 | 183 | 217 | 248 | 77 |
| 95° | 117 | 134 | 155 | 176 | 190 | 93 |
| 105° | 100 | 110 | 124 | 138 | 145 | 104 |
| 115° | 79 | 86 | 96 | 103 | 110 | 80 |
| 125° | 59 | 59 | 69 | 69 | 72 | 53 |
| 135° | 41 | 38 | 41 | 41 | 45 | 31 |
| 145° | 24 | 21 | 21 | 21 | 24 | 15 |
| 155° | 10 | 10 | 3 | 7 | 10 | 5 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P384595

CATALOG NUMBER: 14ID-65-L835-CFD3

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1974.7 | 1974.7 | 1974.7 | 1974.7 | 1974.7 |
| 2.5° | 1974.7 | 1971.2 | 1971.2 | 1971.2 | 1974.7 |
| 5° | 1964.3 | 1964.3 | 1967.8 | 1967.8 | 1971.2 |
| 7.5° | 1954.0 | 1954.0 | 1960.9 | 1964.3 | 1967.8 |
| 10° | 1936.8 | 1940.2 | 1950.5 | 1957.4 | 1964.3 |
| 12.5° | 1916.1 | 1919.5 | 1936.8 | 1950.5 | 1957.4 |
| 15° | 1888.5 | 1895.4 | 1919.5 | 1933.3 | 1943.6 |
| 17.5° | 1857.5 | 1867.8 | 1895.4 | 1916.1 | 1926.4 |
| 20° | 1819.6 | 1833.4 | 1867.8 | 1895.4 | 1909.2 |
| 22.5° | 1778.2 | 1792.0 | 1833.4 | 1867.8 | 1885.1 |
| 25° | 1730.0 | 1750.7 | 1795.5 | 1836.8 | 1854.0 |
| 27.5° | 1678.3 | 1702.4 | 1754.1 | 1802.4 | 1819.6 |
| 30° | 1623.2 | 1650.7 | 1709.3 | 1761.0 | 1781.7 |
| 32.5° | 1571.5 | 1599.0 | 1664.5 | 1719.6 | 1740.3 |
| 35° | 1509.4 | 1543.9 | 1612.8 | 1674.8 | 1699.0 |
| 37.5° | 1450.8 | 1485.3 | 1557.7 | 1623.2 | 1647.3 |
| 40° | 1388.8 | 1423.3 | 1499.1 | 1571.5 | 1595.6 |
| 42.5° | 1330.2 | 1364.7 | 1440.5 | 1516.3 | 1543.9 |
| 45° | 1264.7 | 1302.7 | 1378.5 | 1454.3 | 1485.3 |
| 47.5° | 1199.3 | 1237.2 | 1316.4 | 1395.7 | 1426.7 |
| 50° | 1133.8 | 1175.1 | 1251.0 | 1330.2 | 1364.7 |
| 52.5° | 1068.3 | 1109.7 | 1185.5 | 1268.2 | 1302.7 |
| 55° | 1002.8 | 1047.6 | 1116.6 | 1199.3 | 1240.6 |
| 57.5° | 937.4 | 982.2 | 1051.1 | 1137.2 | 1178.6 |
| 60° | 861.5 | 913.2 | 982.2 | 1071.8 | 1120.0 |
| 62.5° | 796.1 | 840.9 | 909.8 | 1002.8 | 1061.4 |
| 65° | 730.6 | 771.9 | 834.0 | 937.4 | 1002.8 |
| 67.5° | 661.7 | 706.5 | 765.1 | 861.5 | 951.1 |
| 70° | 596.2 | 634.1 | 692.7 | 792.6 | 892.6 |
| 72.5° | 527.3 | 565.2 | 620.3 | 723.7 | 834.0 |
| 75° | 458.3 | 496.3 | 544.5 | 651.3 | 778.8 |
| 77.5° | 396.3 | 427.3 | 472.1 | 575.5 | 713.4 |
| 80° | 327.4 | 358.4 | 399.8 | 492.8 | 627.2 |
| 82.5° | 265.4 | 292.9 | 327.4 | 410.1 | 516.9 |
| 85° | 210.2 | 237.8 | 265.4 | 330.8 | 403.2 |
| 87.5° | 168.9 | 189.5 | 217.1 | 265.4 | 313.6 |
| 90° | 134.4 | 158.5 | 182.6 | 217.1 | 248.1 |
| 92.5° | 124.1 | 144.7 | 165.4 | 193.0 | 213.7 |
| 95° | 117.2 | 134.4 | 155.1 | 175.8 | 189.5 |
| 97.5° | 110.3 | 127.5 | 144.7 | 165.4 | 175.8 |
| 100° | 106.8 | 120.6 | 137.8 | 155.1 | 162.0 |
| 102.5° | 103.4 | 113.7 | 131.0 | 144.7 | 155.1 |
| 105° | 99.9 | 110.3 | 124.1 | 137.8 | 144.7 |
| 107.5° | 93.0 | 103.4 | 117.2 | 131.0 | 137.8 |
| 110° | 89.6 | 96.5 | 110.3 | 120.6 | 131.0 |



TEST NUMBER: P384595

CATALOG NUMBER: 14ID-65-L835-CFD3

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|------|-------|-------|-------|-------|
| 112.5° | 86.2 | 93.0 | 103.4 | 113.7 | 120.6 |
| 115° | 79.3 | 86.2 | 96.5 | 103.4 | 110.3 |
| 117.5° | 75.8 | 79.3 | 89.6 | 93.0 | 99.9 |
| 120° | 68.9 | 72.4 | 82.7 | 86.2 | 89.6 |
| 122.5° | 62.0 | 65.5 | 75.8 | 75.8 | 82.7 |
| 125° | 58.6 | 58.6 | 68.9 | 68.9 | 72.4 |
| 127.5° | 55.1 | 55.1 | 62.0 | 62.0 | 65.5 |
| 130° | 48.2 | 48.2 | 55.1 | 55.1 | 55.1 |
| 132.5° | 44.8 | 41.4 | 48.2 | 48.2 | 51.7 |
| 135° | 41.4 | 37.9 | 41.4 | 41.4 | 44.8 |
| 137.5° | 34.5 | 34.5 | 37.9 | 34.5 | 37.9 |
| 140° | 31.0 | 27.6 | 31.0 | 31.0 | 34.5 |
| 142.5° | 27.6 | 24.1 | 27.6 | 24.1 | 27.6 |
| 145° | 24.1 | 20.7 | 20.7 | 20.7 | 24.1 |
| 147.5° | 20.7 | 17.2 | 17.2 | 17.2 | 20.7 |
| 150° | 17.2 | 13.8 | 13.8 | 13.8 | 17.2 |
| 152.5° | 13.8 | 10.3 | 6.9 | 10.3 | 13.8 |
| 155° | 10.3 | 10.3 | 3.4 | 6.9 | 10.3 |
| 157.5° | 6.9 | 6.9 | 0.0 | 3.4 | 6.9 |
| 160° | 3.4 | 3.4 | 0.0 | 3.4 | 3.4 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)