

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: P738336

Luminaire Tested: **22PT-35-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PW1-L835
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

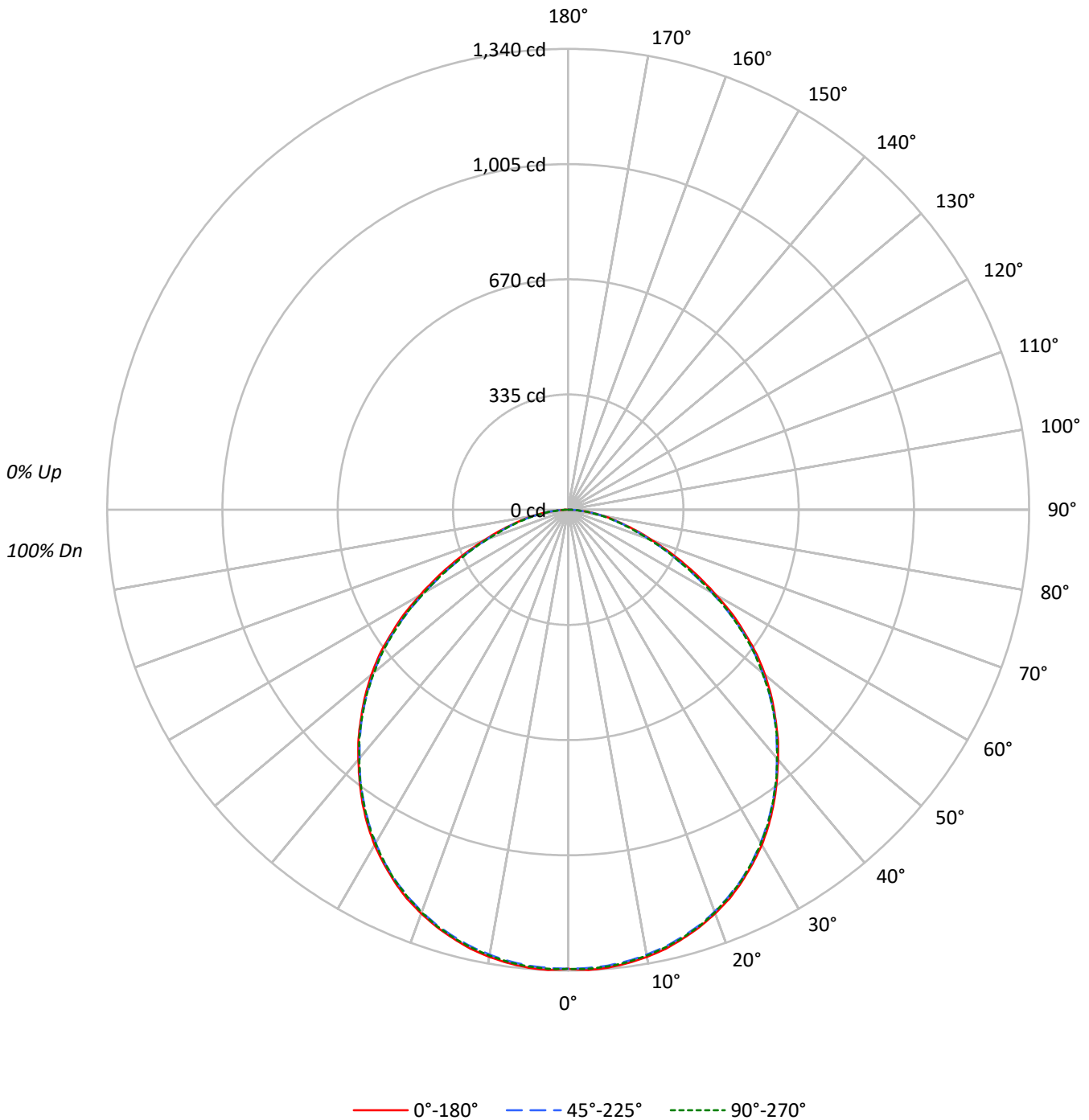
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3477.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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: P738336
CATALOG NUMBER: 22PT-35-PW1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P738336

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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 | | 84 | 79 | 76 | | 81 | 77 | 74 | 72 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | | 74 | 69 | 64 | | 72 | 67 | 63 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | | 66 | 60 | 56 | | 64 | 59 | 55 | 53 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 56 | 49 | 62 | 54 | 49 | | 60 | 53 | 48 | | 58 | 52 | 48 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 49 | 43 | 56 | 48 | 43 | | 54 | 48 | 43 | | 53 | 47 | 42 | 40 |
| 7 | 66 | 53 | 45 | 39 | 65 | 52 | 44 | 38 | 51 | 44 | 38 | | 49 | 43 | 38 | | 48 | 42 | 38 | 36 |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 34 | 47 | 39 | 34 | | 45 | 39 | 34 | | 44 | 38 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 56 | 44 | 36 | 31 | 43 | 36 | 31 | | 42 | 35 | 31 | | 41 | 35 | 31 | 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° | 3912 | 3912 | 3912 |
| 5° | 3931 | 3914 | 3921 |
| 10° | 3929 | 3909 | 3917 |
| 15° | 3916 | 3899 | 3908 |
| 20° | 3895 | 3879 | 3885 |
| 25° | 3860 | 3843 | 3848 |
| 30° | 3809 | 3785 | 3790 |
| 35° | 3728 | 3708 | 3710 |
| 40° | 3629 | 3610 | 3613 |
| 45° | 3523 | 3511 | 3506 |
| 50° | 3402 | 3364 | 3355 |
| 55° | 3205 | 3163 | 3145 |
| 60° | 2910 | 2825 | 2832 |
| 65° | 2587 | 2466 | 2466 |
| 70° | 2217 | 2137 | 2120 |
| 75° | 1923 | 1880 | 1837 |
| 80° | 1731 | 1660 | 1628 |
| 85° | 1375 | 1385 | 1311 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 126.6 | 3.6 |
| 10°-20° | 363.0 | 10.4 |
| 20°-30° | 547.7 | 15.8 |
| 30°-40° | 648.7 | 18.7 |
| 40°-50° | 653.0 | 18.8 |
| 50°-60° | 552.1 | 15.9 |
| 60°-70° | 359.0 | 10.3 |
| 70°-80° | 178.6 | 5.1 |
| 80°-90° | 48.1 | 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° | 1037.3 | 29.8 |
| 0°-40° | 1686.0 | 48.5 |
| 0°-60° | 2891.2 | 83.2 |
| 0°-90° | 3477.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3477.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1335 | 1335 | 1335 | 1335 | 1335 | |
| 5° | 1337 | 1332 | 1331 | 1330 | 1333 | 127 |
| 15° | 1291 | 1287 | 1285 | 1285 | 1288 | 364 |
| 25° | 1194 | 1190 | 1189 | 1188 | 1190 | 550 |
| 35° | 1042 | 1038 | 1036 | 1036 | 1037 | 651 |
| 45° | 850 | 847 | 847 | 846 | 846 | 656 |
| 55° | 627 | 622 | 619 | 616 | 616 | 560 |
| 65° | 373 | 363 | 356 | 353 | 356 | 370 |
| 75° | 170 | 170 | 166 | 162 | 162 | 184 |
| 85° | 41 | 42 | 41 | 41 | 39 | 49 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P738336

CATALOG NUMBER: 22PT-35-PW1-L835

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1335.1 | 1335.1 | 1335.1 | 1335.1 | 1335.1 |
| 2.5° | 1339.7 | 1335.1 | 1333.6 | 1332.8 | 1336.2 |
| 5° | 1336.6 | 1331.7 | 1330.6 | 1329.8 | 1333.2 |
| 7.5° | 1329.8 | 1325.3 | 1323.8 | 1323.4 | 1326.8 |
| 10° | 1320.4 | 1315.8 | 1313.9 | 1313.2 | 1316.6 |
| 12.5° | 1308.2 | 1303.3 | 1301.4 | 1300.7 | 1303.7 |
| 15° | 1290.8 | 1286.7 | 1285.2 | 1284.8 | 1288.2 |
| 17.5° | 1271.9 | 1267.8 | 1267.0 | 1265.9 | 1269.3 |
| 20° | 1249.2 | 1245.0 | 1243.9 | 1242.4 | 1245.8 |
| 22.5° | 1224.2 | 1219.3 | 1217.8 | 1216.7 | 1219.3 |
| 25° | 1194.0 | 1189.8 | 1188.7 | 1187.5 | 1190.2 |
| 27.5° | 1160.7 | 1157.6 | 1156.1 | 1155.0 | 1156.5 |
| 30° | 1125.8 | 1120.5 | 1118.7 | 1117.9 | 1120.2 |
| 32.5° | 1085.7 | 1081.9 | 1079.3 | 1078.9 | 1081.6 |
| 35° | 1042.2 | 1037.7 | 1036.5 | 1036.5 | 1037.3 |
| 37.5° | 996.0 | 993.8 | 991.9 | 990.7 | 993.0 |
| 40° | 948.7 | 948.0 | 943.8 | 943.4 | 944.6 |
| 42.5° | 902.2 | 899.2 | 896.1 | 897.6 | 898.4 |
| 45° | 850.3 | 847.3 | 847.3 | 846.2 | 846.2 |
| 47.5° | 800.4 | 797.4 | 793.2 | 793.6 | 794.3 |
| 50° | 746.3 | 742.5 | 737.9 | 740.6 | 736.1 |
| 52.5° | 691.0 | 684.2 | 680.8 | 680.8 | 680.4 |
| 55° | 627.4 | 622.1 | 619.1 | 616.5 | 615.7 |
| 57.5° | 566.1 | 558.2 | 550.6 | 551.4 | 554.0 |
| 60° | 496.5 | 492.7 | 482.1 | 482.9 | 483.3 |
| 62.5° | 433.7 | 426.5 | 415.5 | 415.5 | 419.3 |
| 65° | 373.1 | 362.9 | 355.7 | 353.1 | 355.7 |
| 67.5° | 313.7 | 308.0 | 302.0 | 297.8 | 301.6 |
| 70° | 258.8 | 255.8 | 249.4 | 245.2 | 247.5 |
| 72.5° | 214.2 | 210.0 | 204.7 | 202.5 | 200.2 |
| 75° | 169.9 | 169.9 | 166.1 | 161.6 | 162.3 |
| 77.5° | 134.0 | 132.8 | 130.2 | 128.3 | 128.3 |
| 80° | 102.6 | 101.4 | 98.4 | 97.6 | 96.5 |
| 82.5° | 70.8 | 71.1 | 69.6 | 68.5 | 67.0 |
| 85° | 40.9 | 41.6 | 41.2 | 41.2 | 39.0 |
| 87.5° | 17.4 | 15.9 | 17.0 | 16.7 | 18.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)