

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: P738464

Luminaire Tested: **24PT-35-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PC3-L835
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

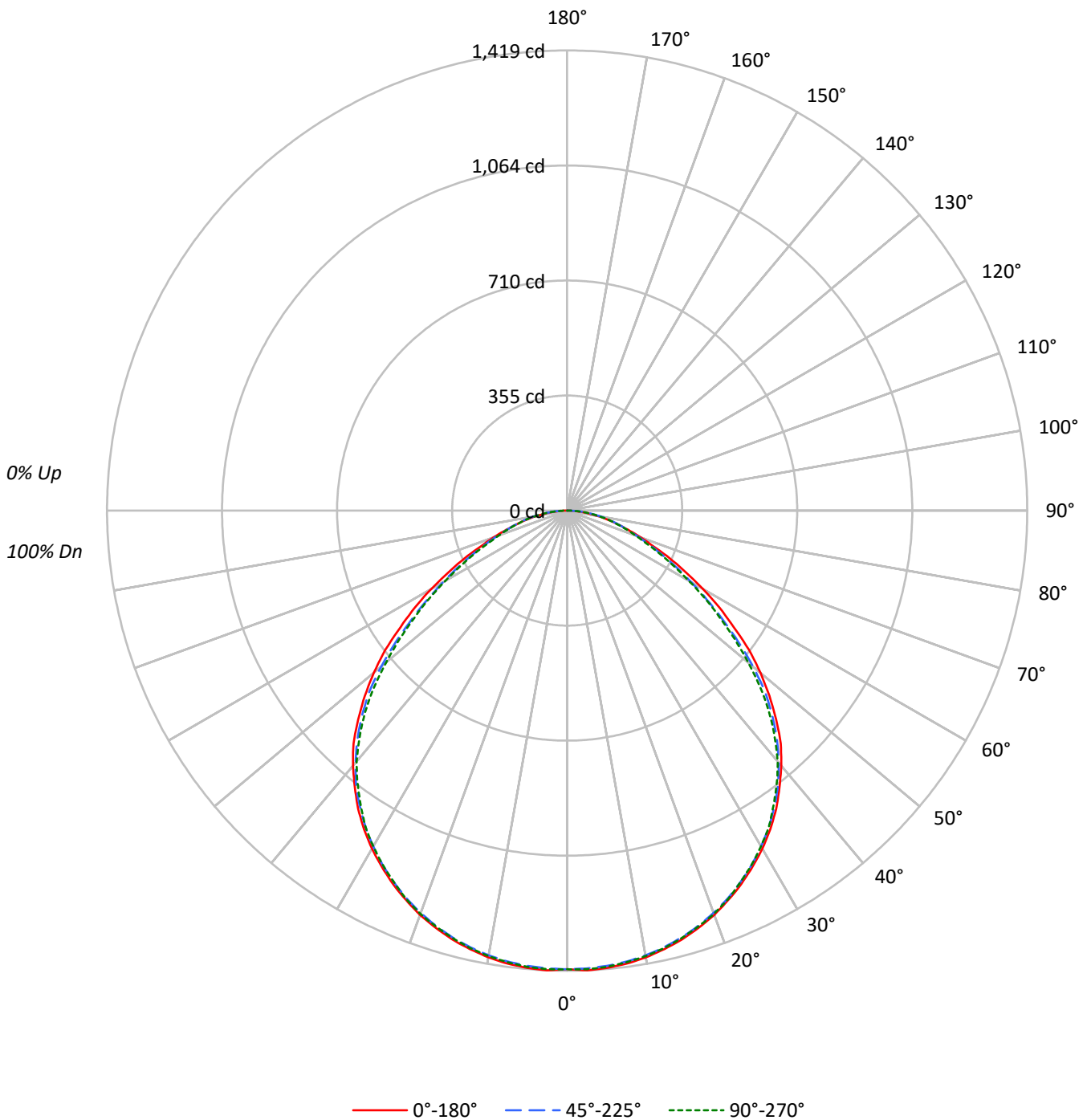
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3568.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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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CATALOG NUMBER: 24PT-35-PC3-L835

Luminous Intensity Polar Plot





TEST NUMBER: P738464

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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 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 88 | 86 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 |
| 3 | 92 | 82 | 74 | 68 | 90 | 81 | 73 | 68 | 78 | 72 | 67 | 75 | 70 | 65 | 72 | 68 | 64 | 62 |
| 4 | 85 | 73 | 65 | 59 | 82 | 72 | 64 | 58 | 69 | 63 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 54 |
| 5 | 78 | 66 | 57 | 51 | 76 | 65 | 57 | 51 | 63 | 55 | 50 | 61 | 54 | 50 | 59 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 45 | 70 | 59 | 50 | 44 | 57 | 50 | 44 | 55 | 49 | 44 | 54 | 48 | 43 | 41 |
| 7 | 67 | 54 | 46 | 40 | 65 | 53 | 45 | 40 | 52 | 45 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 37 |
| 8 | 63 | 49 | 41 | 36 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 29 | 40 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2028 | 2028 | 2028 |
| 5° | 2037 | 2029 | 2032 |
| 10° | 2037 | 2028 | 2031 |
| 15° | 2032 | 2023 | 2026 |
| 20° | 2024 | 2015 | 2019 |
| 25° | 2011 | 2001 | 2000 |
| 30° | 1993 | 1980 | 1980 |
| 35° | 1967 | 1951 | 1942 |
| 40° | 1922 | 1900 | 1891 |
| 45° | 1848 | 1814 | 1788 |
| 50° | 1735 | 1669 | 1625 |
| 55° | 1569 | 1462 | 1435 |
| 60° | 1387 | 1266 | 1241 |
| 65° | 1186 | 1097 | 1068 |
| 70° | 1005 | 962 | 934 |
| 75° | 881 | 896 | 866 |
| 80° | 790 | 871 | 822 |
| 85° | 666 | 796 | 758 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 134.1 | 3.8 |
| 10°-20° | 385.0 | 10.8 |
| 20°-30° | 583.2 | 16.3 |
| 30°-40° | 696.5 | 19.5 |
| 40°-50° | 687.1 | 19.3 |
| 50°-60° | 531.9 | 14.9 |
| 60°-70° | 326.9 | 9.2 |
| 70°-80° | 171.3 | 4.8 |
| 80°-90° | 51.9 | 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° | 1102.2 | 30.9 |
| 0°-40° | 1798.8 | 50.4 |
| 0°-60° | 3017.8 | 84.6 |
| 0°-90° | 3568.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3568.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1414 | 1414 | 1414 | 1414 | 1414 | |
| 5° | 1415 | 1411 | 1409 | 1409 | 1412 | 135 |
| 15° | 1369 | 1365 | 1363 | 1362 | 1364 | 386 |
| 25° | 1271 | 1267 | 1264 | 1264 | 1264 | 585 |
| 35° | 1124 | 1118 | 1114 | 1111 | 1109 | 701 |
| 45° | 911 | 905 | 894 | 885 | 882 | 701 |
| 55° | 628 | 611 | 585 | 576 | 574 | 563 |
| 65° | 350 | 333 | 323 | 314 | 315 | 349 |
| 75° | 159 | 161 | 162 | 159 | 156 | 171 |
| 85° | 40 | 45 | 48 | 47 | 46 | 47 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1414.5 | 1414.5 | 1414.5 | 1414.5 | 1414.5 |
| 2.5° | 1419.2 | 1414.9 | 1412.9 | 1412.5 | 1415.7 |
| 5° | 1415.3 | 1411.0 | 1409.4 | 1408.6 | 1412.1 |
| 7.5° | 1409.0 | 1404.3 | 1402.7 | 1401.5 | 1404.7 |
| 10° | 1399.1 | 1394.4 | 1392.8 | 1392.1 | 1394.8 |
| 12.5° | 1385.0 | 1380.6 | 1379.5 | 1378.3 | 1381.8 |
| 15° | 1369.2 | 1364.9 | 1362.9 | 1361.7 | 1364.5 |
| 17.5° | 1348.8 | 1345.2 | 1342.9 | 1342.9 | 1345.2 |
| 20° | 1326.7 | 1322.4 | 1320.4 | 1319.2 | 1323.2 |
| 22.5° | 1299.5 | 1296.8 | 1294.4 | 1292.5 | 1296.8 |
| 25° | 1270.8 | 1266.9 | 1264.5 | 1263.7 | 1264.1 |
| 27.5° | 1238.1 | 1235.4 | 1232.2 | 1231.0 | 1231.8 |
| 30° | 1203.9 | 1200.3 | 1196.0 | 1193.6 | 1195.6 |
| 32.5° | 1165.7 | 1160.6 | 1157.0 | 1154.7 | 1157.4 |
| 35° | 1123.6 | 1118.5 | 1114.5 | 1111.0 | 1109.4 |
| 37.5° | 1075.5 | 1074.0 | 1068.5 | 1062.2 | 1061.8 |
| 40° | 1027.1 | 1022.8 | 1014.9 | 1012.2 | 1010.2 |
| 42.5° | 975.2 | 966.1 | 957.8 | 950.0 | 947.2 |
| 45° | 911.4 | 904.7 | 894.4 | 885.0 | 881.8 |
| 47.5° | 846.0 | 837.4 | 827.5 | 811.0 | 809.0 |
| 50° | 777.9 | 765.3 | 748.0 | 734.2 | 728.3 |
| 52.5° | 707.1 | 690.1 | 666.1 | 654.3 | 651.2 |
| 55° | 627.5 | 610.6 | 585.0 | 576.4 | 574.0 |
| 57.5° | 556.7 | 531.9 | 511.0 | 501.2 | 504.3 |
| 60° | 483.8 | 459.8 | 441.3 | 431.9 | 432.7 |
| 62.5° | 412.6 | 393.7 | 379.9 | 370.8 | 372.0 |
| 65° | 349.6 | 333.4 | 323.2 | 313.8 | 314.9 |
| 67.5° | 287.8 | 280.3 | 272.8 | 267.3 | 264.2 |
| 70° | 239.8 | 236.6 | 229.5 | 224.4 | 222.8 |
| 72.5° | 196.1 | 198.0 | 192.1 | 190.5 | 190.1 |
| 75° | 159.0 | 160.6 | 161.8 | 158.7 | 156.3 |
| 77.5° | 127.2 | 129.5 | 134.2 | 129.9 | 129.1 |
| 80° | 95.7 | 100.4 | 105.5 | 102.8 | 99.6 |
| 82.5° | 66.9 | 72.8 | 77.6 | 74.0 | 72.4 |
| 85° | 40.5 | 45.3 | 48.4 | 47.2 | 46.1 |
| 87.5° | 18.1 | 19.7 | 21.3 | 21.7 | 20.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)