

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: P738433

Luminaire Tested: **24PT-30-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738433
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-30-PC3-L840
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

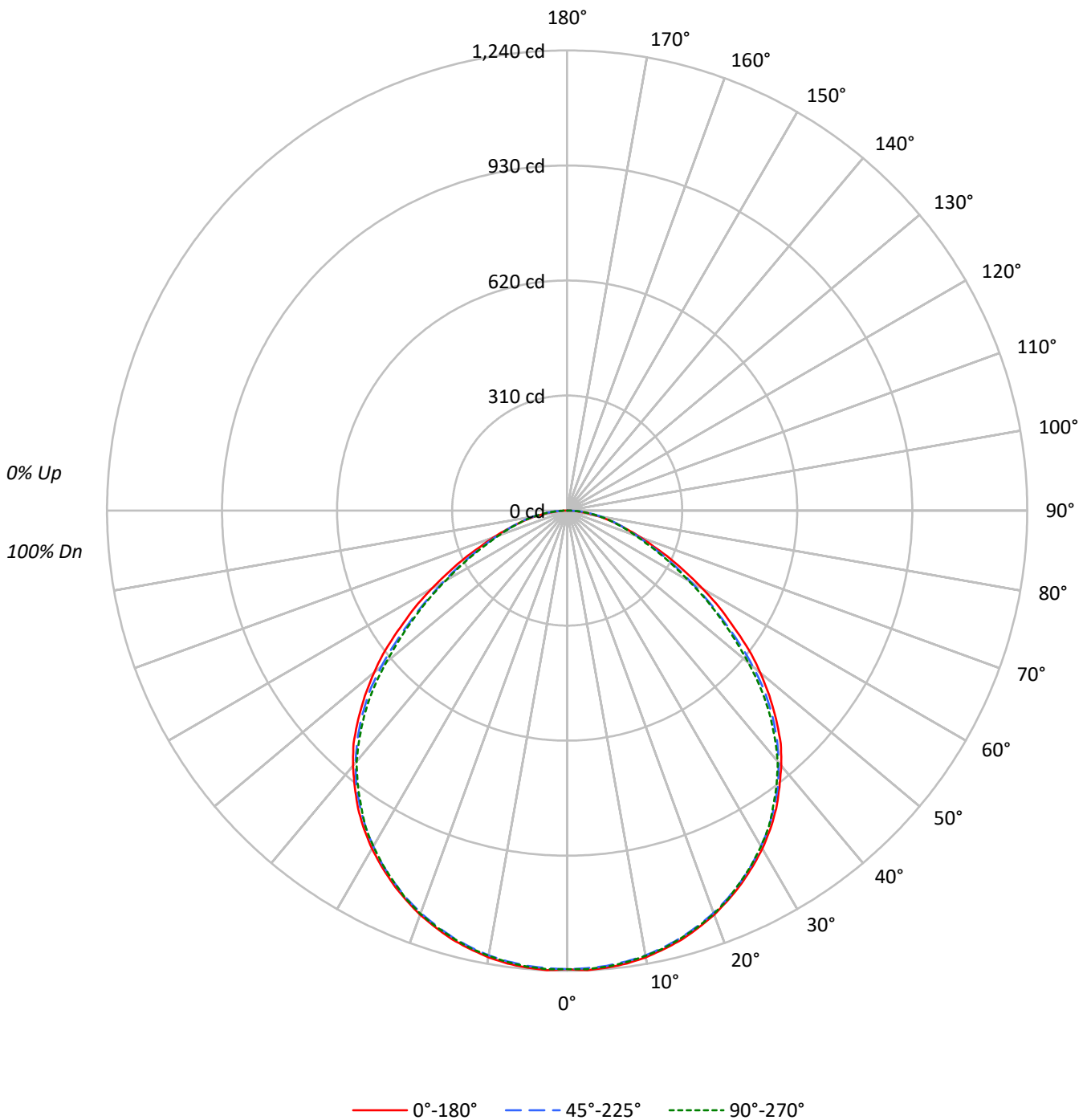
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3117.0 lumens
Efficiency: N/A
Efficacy: 131.0 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): 23.8
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 | 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° | 1772 | 1772 | 1772 |
| 5° | 1780 | 1772 | 1776 |
| 10° | 1780 | 1772 | 1774 |
| 15° | 1776 | 1768 | 1769 |
| 20° | 1768 | 1760 | 1764 |
| 25° | 1756 | 1748 | 1747 |
| 30° | 1741 | 1730 | 1729 |
| 35° | 1718 | 1704 | 1697 |
| 40° | 1680 | 1660 | 1652 |
| 45° | 1615 | 1585 | 1562 |
| 50° | 1516 | 1458 | 1419 |
| 55° | 1370 | 1278 | 1253 |
| 60° | 1212 | 1106 | 1084 |
| 65° | 1036 | 958 | 933 |
| 70° | 878 | 841 | 816 |
| 75° | 770 | 783 | 756 |
| 80° | 690 | 761 | 718 |
| 85° | 582 | 696 | 661 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.2 | 3.8 |
| 10°-20° | 336.3 | 10.8 |
| 20°-30° | 509.4 | 16.3 |
| 30°-40° | 608.5 | 19.5 |
| 40°-50° | 600.3 | 19.3 |
| 50°-60° | 464.7 | 14.9 |
| 60°-70° | 285.6 | 9.2 |
| 70°-80° | 149.7 | 4.8 |
| 80°-90° | 45.4 | 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° | 962.9 | 30.9 |
| 0°-40° | 1571.4 | 50.4 |
| 0°-60° | 2636.3 | 84.6 |
| 0°-90° | 3117.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3117.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1236 | 1236 | 1236 | 1236 | 1236 | |
| 5° | 1236 | 1233 | 1231 | 1230 | 1234 | 118 |
| 15° | 1196 | 1192 | 1191 | 1190 | 1192 | 337 |
| 25° | 1110 | 1107 | 1105 | 1104 | 1104 | 511 |
| 35° | 982 | 977 | 974 | 970 | 969 | 613 |
| 45° | 796 | 790 | 781 | 773 | 770 | 613 |
| 55° | 548 | 533 | 511 | 504 | 501 | 492 |
| 65° | 305 | 291 | 282 | 274 | 275 | 305 |
| 75° | 139 | 140 | 141 | 139 | 136 | 150 |
| 85° | 35 | 40 | 42 | 41 | 40 | 41 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1235.7 | 1235.7 | 1235.7 | 1235.7 | 1235.7 |
| 2.5° | 1239.8 | 1236.1 | 1234.3 | 1234.0 | 1236.7 |
| 5° | 1236.4 | 1232.6 | 1231.2 | 1230.5 | 1233.6 |
| 7.5° | 1230.9 | 1226.8 | 1225.4 | 1224.4 | 1227.1 |
| 10° | 1222.3 | 1218.2 | 1216.8 | 1216.1 | 1218.5 |
| 12.5° | 1209.9 | 1206.1 | 1205.1 | 1204.1 | 1207.2 |
| 15° | 1196.2 | 1192.4 | 1190.7 | 1189.6 | 1192.0 |
| 17.5° | 1178.3 | 1175.2 | 1173.1 | 1173.1 | 1175.2 |
| 20° | 1159.0 | 1155.2 | 1153.5 | 1152.5 | 1155.9 |
| 22.5° | 1135.3 | 1132.9 | 1130.8 | 1129.1 | 1132.9 |
| 25° | 1110.2 | 1106.7 | 1104.7 | 1104.0 | 1104.3 |
| 27.5° | 1081.6 | 1079.2 | 1076.5 | 1075.4 | 1076.1 |
| 30° | 1051.7 | 1048.6 | 1044.8 | 1042.8 | 1044.5 |
| 32.5° | 1018.3 | 1013.9 | 1010.8 | 1008.7 | 1011.1 |
| 35° | 981.5 | 977.1 | 973.6 | 970.5 | 969.2 |
| 37.5° | 939.6 | 938.2 | 933.4 | 927.9 | 927.6 |
| 40° | 897.3 | 893.5 | 886.6 | 884.2 | 882.5 |
| 42.5° | 851.9 | 844.0 | 836.8 | 829.9 | 827.5 |
| 45° | 796.2 | 790.3 | 781.4 | 773.1 | 770.4 |
| 47.5° | 739.1 | 731.5 | 722.9 | 708.5 | 706.8 |
| 50° | 679.6 | 668.6 | 653.4 | 641.4 | 636.3 |
| 52.5° | 617.7 | 602.9 | 581.9 | 571.6 | 568.8 |
| 55° | 548.2 | 533.4 | 511.1 | 503.5 | 501.4 |
| 57.5° | 486.3 | 464.6 | 446.4 | 437.8 | 440.6 |
| 60° | 422.7 | 401.7 | 385.5 | 377.3 | 378.0 |
| 62.5° | 360.4 | 343.9 | 331.9 | 324.0 | 325.0 |
| 65° | 305.4 | 291.3 | 282.4 | 274.1 | 275.1 |
| 67.5° | 251.4 | 244.9 | 238.3 | 233.5 | 230.8 |
| 70° | 209.4 | 206.7 | 200.5 | 196.0 | 194.7 |
| 72.5° | 171.3 | 173.0 | 167.8 | 166.5 | 166.1 |
| 75° | 138.9 | 140.3 | 141.4 | 138.6 | 136.5 |
| 77.5° | 111.1 | 113.1 | 117.3 | 113.5 | 112.8 |
| 80° | 83.6 | 87.7 | 92.2 | 89.8 | 87.0 |
| 82.5° | 58.5 | 63.6 | 67.8 | 64.7 | 63.3 |
| 85° | 35.4 | 39.6 | 42.3 | 41.3 | 40.2 |
| 87.5° | 15.8 | 17.2 | 18.6 | 18.9 | 18.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)