

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: P412835

Luminaire Tested: **24PD-30-PP3-L930**

Issue Date: 9/15/2020



**Test Information**

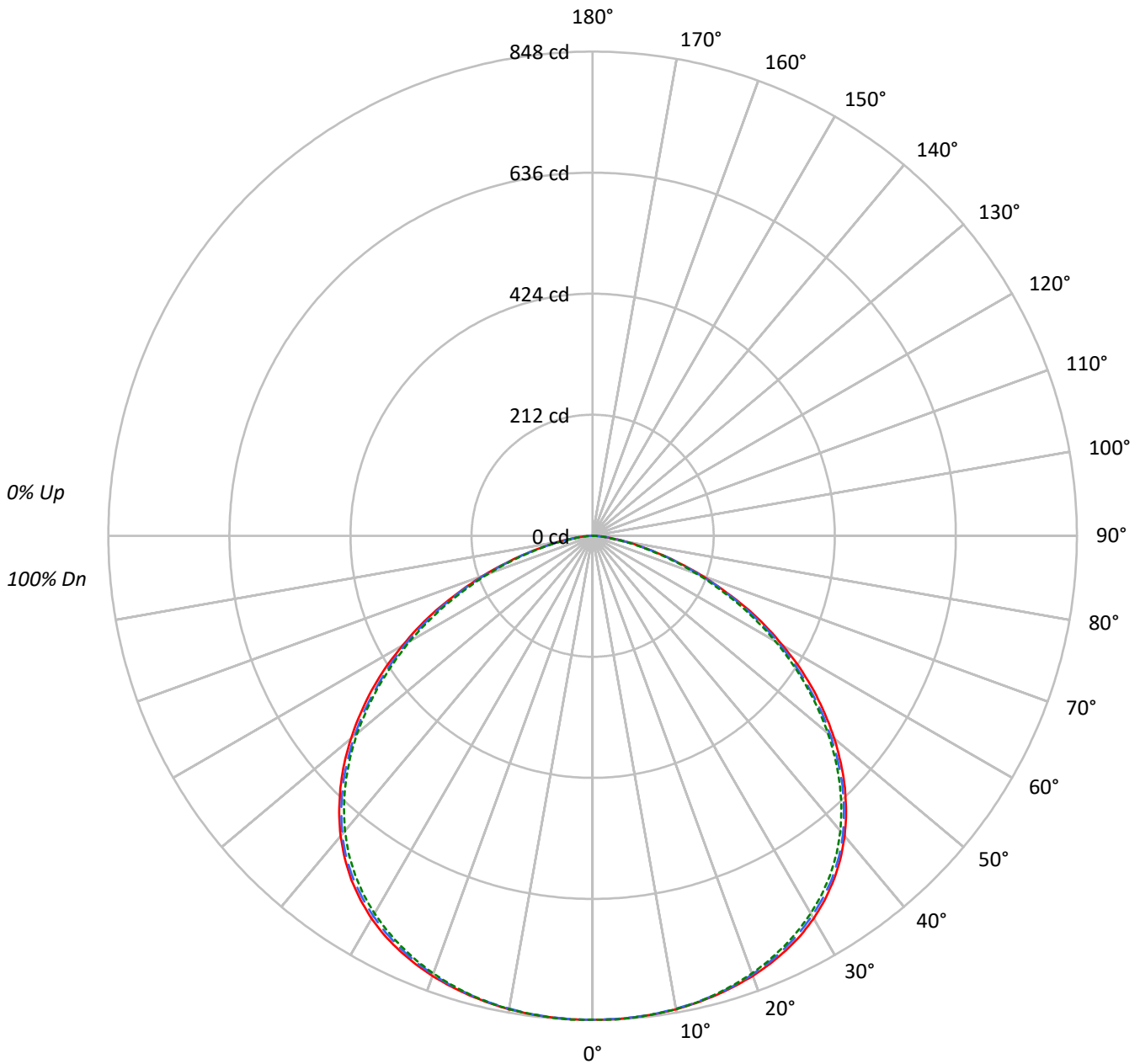
Test Method: LM-79-08  
Report Number: P412835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PP3-L930  
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2466.0 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P412835  
CATALOG NUMBER: 24PD-30-PP3-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P412835

CATALOG NUMBER: 24PD-30-PP3-L930

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     |     |     | 30 |    |   |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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  | 85  | 80  | 97  | 90  | 84  | 79  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 71  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 91  | 81  | 73  | 66  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 66  | 63  | 60  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 83  | 72  | 63  | 56  | 81  | 70  | 62  | 56  | 68  | 61  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 52  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 77  | 64  | 55  | 49  | 75  | 63  | 54  | 48  | 61  | 53  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 45  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 71  | 58  | 49  | 42  | 69  | 57  | 48  | 42  | 55  | 47  | 42  | 53  | 46  | 41  | 52  | 46  | 41  | 39  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 66  | 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  | 55  | 43  | 35  | 30  | 42  | 35  | 30  | 41  | 34  | 29  | 40  | 34  | 29  | 27  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 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°  | 1140 | 1140 | 1140 |
| 5°  | 1143 | 1143 | 1144 |
| 10° | 1151 | 1149 | 1150 |
| 15° | 1161 | 1159 | 1158 |
| 20° | 1175 | 1171 | 1168 |
| 25° | 1189 | 1183 | 1178 |
| 30° | 1203 | 1194 | 1187 |
| 35° | 1209 | 1202 | 1191 |
| 40° | 1206 | 1199 | 1185 |
| 45° | 1189 | 1177 | 1164 |
| 50° | 1156 | 1137 | 1126 |
| 55° | 1108 | 1082 | 1068 |
| 60° | 1033 | 1014 | 994  |
| 65° | 936  | 917  | 890  |
| 70° | 799  | 784  | 759  |
| 75° | 624  | 618  | 588  |
| 80° | 460  | 441  | 416  |
| 85° | 278  | 278  | 259  |



TEST NUMBER: P412835

CATALOG NUMBER: 24PD-30-PP3-L930

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.6   | 3.3       |
| 10°-20°   | 235.3  | 9.5       |
| 20°-30°   | 367.8  | 14.9      |
| 30°-40°   | 457.0  | 18.5      |
| 40°-50°   | 476.2  | 19.3      |
| 50°-60°   | 413.2  | 16.8      |
| 60°-70°   | 284.1  | 11.5      |
| 70°-80°   | 128.2  | 5.2       |
| 80°-90°   | 23.5   | 1.0       |
| 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°    | 683.7  | 27.7      |
| 0°-40°    | 1140.7 | 46.3      |
| 0°-60°    | 2030.2 | 82.3      |
| 0°-90°    | 2466.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2466.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 848 | 848   | 848 | 848   | 848 |      |
| 5°  | 846 | 847   | 846 | 846   | 847 | 81   |
| 15° | 833 | 833   | 832 | 831   | 832 | 236  |
| 25° | 801 | 801   | 797 | 794   | 793 | 370  |
| 35° | 736 | 736   | 732 | 728   | 725 | 460  |
| 45° | 625 | 625   | 619 | 614   | 612 | 481  |
| 55° | 472 | 470   | 461 | 456   | 455 | 421  |
| 65° | 294 | 293   | 288 | 281   | 280 | 290  |
| 75° | 120 | 120   | 119 | 116   | 113 | 131  |
| 85° | 18  | 18    | 18  | 18    | 17  | 24   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P412835

CATALOG NUMBER: 24PD-30-PP3-L930

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 847.5 | 847.5 | 847.5 | 847.5 | 847.5 |
| 2.5°  | 847.7 | 847.7 | 847.2 | 846.5 | 848.2 |
| 5°    | 846.5 | 846.8 | 846.3 | 845.5 | 846.8 |
| 7.5°  | 844.8 | 845.0 | 844.3 | 843.5 | 844.5 |
| 10°   | 842.1 | 841.8 | 841.1 | 840.6 | 841.8 |
| 12.5° | 838.1 | 837.9 | 837.1 | 836.6 | 837.6 |
| 15°   | 833.2 | 833.2 | 832.0 | 831.2 | 831.5 |
| 17.5° | 827.3 | 827.3 | 825.6 | 823.8 | 824.3 |
| 20°   | 820.4 | 820.1 | 817.7 | 815.9 | 815.7 |
| 22.5° | 811.8 | 811.8 | 808.3 | 806.1 | 805.4 |
| 25°   | 801.2 | 800.9 | 797.0 | 793.8 | 793.3 |
| 27.5° | 789.1 | 788.6 | 783.9 | 780.7 | 779.5 |
| 30°   | 774.1 | 773.6 | 768.6 | 765.2 | 763.7 |
| 32.5° | 756.3 | 757.1 | 751.4 | 747.4 | 746.0 |
| 35°   | 736.1 | 736.1 | 731.7 | 727.5 | 725.0 |
| 37.5° | 712.9 | 712.9 | 708.7 | 704.6 | 701.6 |
| 40°   | 686.6 | 686.8 | 682.4 | 677.2 | 674.7 |
| 42.5° | 657.0 | 657.5 | 651.6 | 647.4 | 644.7 |
| 45°   | 624.7 | 625.0 | 618.6 | 613.9 | 611.7 |
| 47.5° | 589.7 | 589.2 | 582.1 | 578.1 | 575.9 |
| 50°   | 552.3 | 551.3 | 543.4 | 539.7 | 537.7 |
| 52.5° | 513.1 | 511.1 | 504.2 | 498.8 | 497.1 |
| 55°   | 472.4 | 469.7 | 461.1 | 455.7 | 455.2 |
| 57.5° | 430.0 | 426.8 | 419.7 | 414.5 | 412.5 |
| 60°   | 383.7 | 383.0 | 377.0 | 370.9 | 369.4 |
| 62.5° | 340.3 | 338.1 | 332.9 | 325.5 | 324.8 |
| 65°   | 294.0 | 292.8 | 288.1 | 281.2 | 279.7 |
| 67.5° | 246.2 | 247.4 | 243.5 | 237.3 | 235.3 |
| 70°   | 203.1 | 203.8 | 199.4 | 193.7 | 193.0 |
| 72.5° | 159.7 | 160.9 | 157.2 | 153.5 | 152.8 |
| 75°   | 120.0 | 120.5 | 118.8 | 115.6 | 113.1 |
| 77.5° | 85.3  | 87.0  | 85.0  | 82.8  | 80.8  |
| 80°   | 59.4  | 56.7  | 56.9  | 55.9  | 53.7  |
| 82.5° | 35.7  | 34.5  | 34.3  | 33.3  | 32.3  |
| 85°   | 18.0  | 17.7  | 18.0  | 17.7  | 16.8  |
| 87.5° | 5.9   | 6.4   | 6.7   | 6.7   | 6.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)