

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: P412979

Luminaire Tested: **14PD-30-PC3-L930**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PC3-L930  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

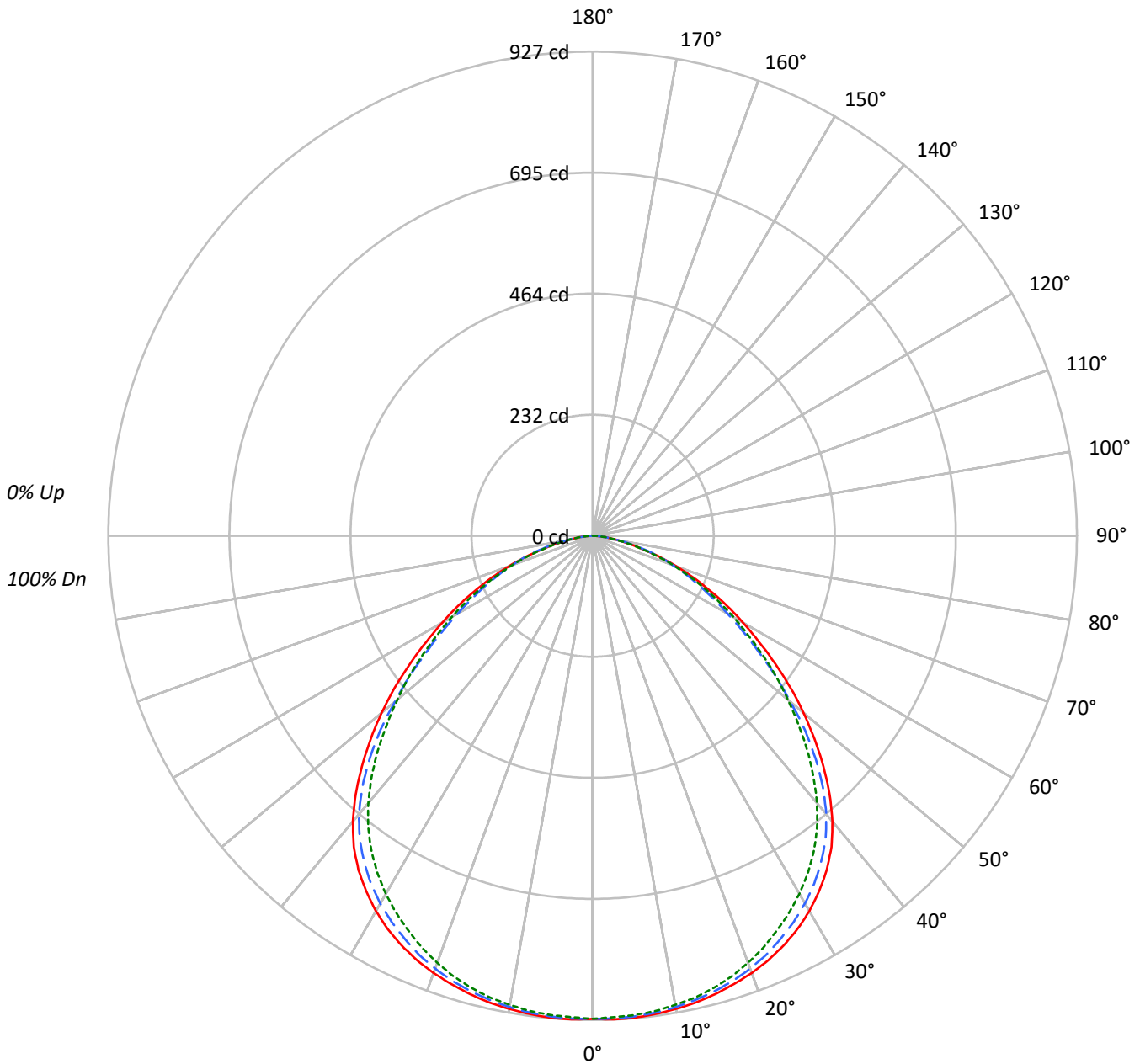
Lumens per Lamp: N/A  
Luminaire Lumens: 2390.0 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 27  
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

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### Luminous Intensity Polar Plot





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**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   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 88  | 83  | 79  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 92  | 82  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 65  | 62  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 85  | 73  | 65  | 59  | 83  | 72  | 64  | 58  | 70  | 63  | 58  | 67  | 62  | 57  | 65  | 60  | 56  | 54  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 55  | 50  | 59  | 53  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 72  | 60  | 51  | 45  | 70  | 59  | 50  | 45  | 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°  | 2489 | 2489 | 2489 |
| 5°  | 2502 | 2495 | 2488 |
| 10° | 2514 | 2504 | 2491 |
| 15° | 2531 | 2515 | 2496 |
| 20° | 2551 | 2525 | 2491 |
| 25° | 2570 | 2528 | 2477 |
| 30° | 2578 | 2526 | 2460 |
| 35° | 2567 | 2505 | 2424 |
| 40° | 2509 | 2444 | 2346 |
| 45° | 2377 | 2296 | 2212 |
| 50° | 2207 | 2066 | 2042 |
| 55° | 1998 | 1821 | 1862 |
| 60° | 1787 | 1604 | 1674 |
| 65° | 1577 | 1438 | 1488 |
| 70° | 1341 | 1274 | 1284 |
| 75° | 1031 | 1087 | 1001 |
| 80° | 756  | 793  | 750  |
| 85° | 506  | 556  | 543  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.9   | 3.7       |
| 10°-20°   | 254.8  | 10.7      |
| 20°-30°   | 391.8  | 16.4      |
| 30°-40°   | 474.1  | 19.8      |
| 40°-50°   | 462.9  | 19.4      |
| 50°-60°   | 357.7  | 15.0      |
| 60°-70°   | 229.7  | 9.6       |
| 70°-80°   | 108.4  | 4.5       |
| 80°-90°   | 22.7   | 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°    | 734.5  | 30.7      |
| 0°-40°    | 1208.6 | 50.6      |
| 0°-60°    | 2029.2 | 84.9      |
| 0°-90°    | 2390.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2390.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 925 | 925   | 925 | 925   | 925 |      |
| 5°  | 926 | 922   | 924 | 923   | 921 | 88   |
| 15° | 908 | 904   | 903 | 899   | 896 | 257  |
| 25° | 865 | 858   | 851 | 840   | 834 | 399  |
| 35° | 781 | 773   | 762 | 745   | 738 | 487  |
| 45° | 625 | 617   | 603 | 588   | 581 | 481  |
| 55° | 426 | 405   | 388 | 389   | 397 | 382  |
| 65° | 248 | 233   | 226 | 223   | 234 | 246  |
| 75° | 99  | 101   | 104 | 96    | 96  | 109  |
| 85° | 16  | 19    | 18  | 18    | 18  | 21   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 924.8 | 924.8 | 924.8 | 924.8 | 924.8 |
| 2.5°  | 926.9 | 923.2 | 925.2 | 925.2 | 922.4 |
| 5°    | 926.1 | 922.0 | 923.6 | 922.8 | 921.1 |
| 7.5°  | 923.6 | 919.5 | 920.7 | 919.9 | 917.9 |
| 10°   | 919.9 | 915.4 | 916.2 | 914.6 | 911.7 |
| 12.5° | 915.0 | 910.9 | 910.1 | 907.6 | 905.6 |
| 15°   | 908.4 | 903.9 | 902.7 | 899.4 | 896.1 |
| 17.5° | 899.8 | 895.3 | 893.3 | 888.3 | 884.6 |
| 20°   | 890.8 | 885.5 | 881.8 | 874.4 | 869.9 |
| 22.5° | 879.3 | 873.2 | 868.3 | 858.0 | 853.5 |
| 25°   | 865.4 | 858.4 | 851.4 | 840.4 | 834.2 |
| 27.5° | 849.0 | 841.6 | 833.4 | 821.1 | 814.1 |
| 30°   | 829.7 | 822.3 | 812.9 | 799.0 | 791.6 |
| 32.5° | 806.8 | 799.4 | 789.5 | 773.6 | 766.2 |
| 35°   | 781.3 | 773.1 | 762.5 | 745.3 | 737.9 |
| 37.5° | 751.0 | 742.0 | 732.2 | 713.3 | 705.5 |
| 40°   | 714.1 | 706.3 | 695.7 | 676.8 | 667.8 |
| 42.5° | 671.5 | 664.5 | 652.6 | 634.6 | 626.0 |
| 45°   | 624.7 | 617.0 | 603.4 | 587.9 | 581.3 |
| 47.5° | 576.0 | 564.5 | 551.4 | 537.8 | 534.2 |
| 50°   | 527.2 | 512.4 | 493.6 | 486.6 | 487.8 |
| 52.5° | 477.2 | 458.3 | 441.9 | 436.6 | 442.7 |
| 55°   | 425.9 | 405.4 | 388.2 | 388.6 | 396.8 |
| 57.5° | 377.1 | 355.8 | 341.5 | 341.5 | 352.1 |
| 60°   | 332.1 | 312.4 | 298.0 | 297.6 | 311.1 |
| 62.5° | 290.2 | 270.1 | 259.5 | 259.5 | 271.8 |
| 65°   | 247.6 | 232.8 | 225.9 | 223.4 | 233.7 |
| 67.5° | 208.2 | 198.0 | 193.1 | 190.2 | 196.8 |
| 70°   | 170.5 | 164.0 | 161.9 | 158.6 | 163.2 |
| 72.5° | 133.2 | 131.6 | 135.7 | 127.9 | 130.0 |
| 75°   | 99.2  | 100.8 | 104.5 | 95.9  | 96.3  |
| 77.5° | 71.3  | 74.6  | 75.8  | 71.7  | 71.7  |
| 80°   | 48.8  | 52.9  | 51.2  | 49.2  | 48.4  |
| 82.5° | 31.2  | 33.2  | 33.2  | 32.0  | 31.2  |
| 85°   | 16.4  | 18.9  | 18.0  | 17.6  | 17.6  |
| 87.5° | 6.1   | 8.6   | 8.6   | 8.2   | 7.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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







(END OF REPORT)