

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: P297655

Luminaire Tested: **D3X-WD-26L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297655  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-3500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2171.0 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

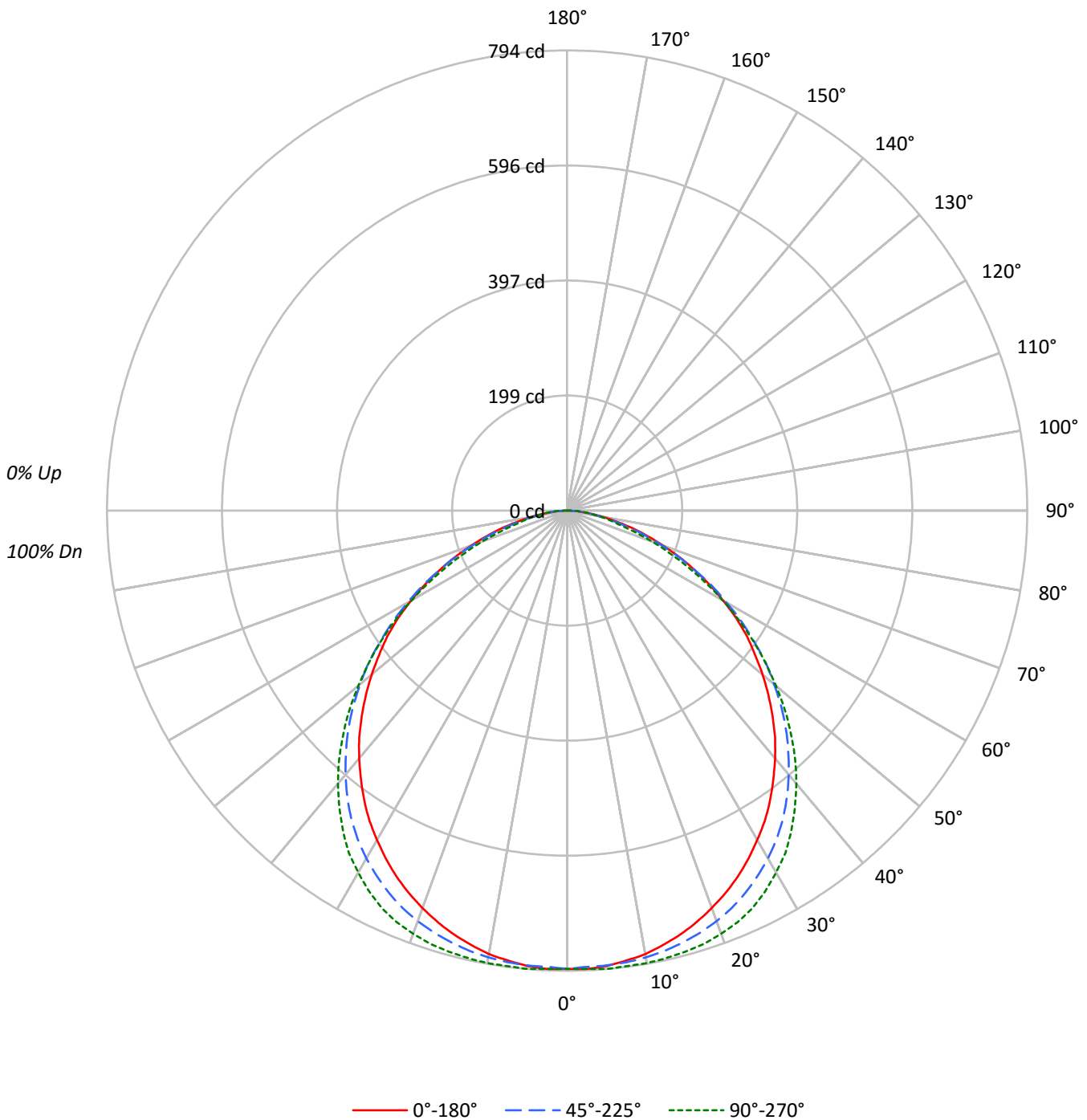
Input Watts (W): 23.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 92  | 94  | 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  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 31  |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 27  | 38  | 32  | 27  | 37  | 31  | 27  | 25  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2128 | 2128 | 2128 |
| 5°  | 2131 | 2128 | 2144 |
| 10° | 2124 | 2140 | 2166 |
| 15° | 2109 | 2149 | 2195 |
| 20° | 2090 | 2159 | 2226 |
| 25° | 2069 | 2161 | 2247 |
| 30° | 2039 | 2153 | 2240 |
| 35° | 2006 | 2133 | 2216 |
| 40° | 1961 | 2090 | 2162 |
| 45° | 1907 | 2032 | 2080 |
| 50° | 1842 | 1951 | 1968 |
| 55° | 1778 | 1846 | 1837 |
| 60° | 1674 | 1711 | 1669 |
| 65° | 1543 | 1549 | 1463 |
| 70° | 1380 | 1349 | 1227 |
| 75° | 1199 | 1119 | 947  |
| 80° | 961  | 871  | 871  |
| 85° | 689  | 809  | 837  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.2   | 3.5       |
| 10°-20°   | 218.3  | 10.1      |
| 20°-30°   | 335.2  | 15.4      |
| 30°-40°   | 403.7  | 18.6      |
| 40°-50°   | 407.9  | 18.8      |
| 50°-60°   | 348.0  | 16.0      |
| 60°-70°   | 238.2  | 11.0      |
| 70°-80°   | 114.9  | 5.3       |
| 80°-90°   | 29.6   | 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°    | 628.7  | 29.0      |
| 0°-40°    | 1032.4 | 47.6      |
| 0°-60°    | 1788.2 | 82.4      |
| 0°-90°    | 2171.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2171.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 791 | 791   | 791 | 791   | 791 |      |
| 5°  | 789 | 789   | 788 | 793   | 794 | 75   |
| 15° | 757 | 763   | 771 | 785   | 788 | 213  |
| 25° | 697 | 707   | 728 | 749   | 757 | 321  |
| 35° | 610 | 624   | 649 | 670   | 674 | 381  |
| 45° | 501 | 515   | 534 | 547   | 547 | 386  |
| 55° | 379 | 386   | 394 | 395   | 392 | 337  |
| 65° | 242 | 245   | 243 | 234   | 230 | 240  |
| 75° | 115 | 115   | 108 | 95    | 91  | 122  |
| 85° | 22  | 24    | 26  | 27    | 27  | 27   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 790.8 | 790.8 | 790.8 | 790.8 | 790.8 |
| 2.5°  | 791.7 | 790.8 | 787.9 | 791.7 | 791.7 |
| 5°    | 788.8 | 788.8 | 787.9 | 792.7 | 793.7 |
| 7.5°  | 783.0 | 785.0 | 785.9 | 791.7 | 792.7 |
| 10°   | 777.2 | 779.1 | 783.0 | 790.8 | 792.7 |
| 12.5° | 767.5 | 771.4 | 778.2 | 788.8 | 790.8 |
| 15°   | 756.9 | 762.7 | 771.4 | 785.0 | 787.9 |
| 17.5° | 744.3 | 752.0 | 763.6 | 779.1 | 784.0 |
| 20°   | 729.7 | 738.4 | 754.0 | 771.4 | 777.2 |
| 22.5° | 714.2 | 723.9 | 742.3 | 762.7 | 768.5 |
| 25°   | 696.8 | 707.4 | 727.8 | 749.1 | 756.9 |
| 27.5° | 677.4 | 689.0 | 711.3 | 733.6 | 740.4 |
| 30°   | 656.1 | 668.7 | 692.9 | 715.2 | 721.0 |
| 32.5° | 634.8 | 647.4 | 672.5 | 693.9 | 700.7 |
| 35°   | 610.5 | 624.1 | 649.3 | 669.6 | 674.5 |
| 37.5° | 584.4 | 597.9 | 623.1 | 643.5 | 645.4 |
| 40°   | 558.2 | 571.8 | 595.0 | 613.4 | 615.4 |
| 42.5° | 531.1 | 543.7 | 565.0 | 580.5 | 582.4 |
| 45°   | 501.0 | 514.6 | 534.0 | 546.6 | 546.6 |
| 47.5° | 471.0 | 484.5 | 501.0 | 509.7 | 509.7 |
| 50°   | 440.0 | 452.6 | 466.1 | 471.0 | 470.0 |
| 52.5° | 409.0 | 420.6 | 432.2 | 433.2 | 431.2 |
| 55°   | 378.9 | 385.7 | 393.5 | 395.4 | 391.5 |
| 57.5° | 346.0 | 351.8 | 356.6 | 353.7 | 350.8 |
| 60°   | 311.1 | 316.9 | 317.9 | 313.0 | 310.1 |
| 62.5° | 277.2 | 282.0 | 282.0 | 274.3 | 269.4 |
| 65°   | 242.3 | 245.2 | 243.2 | 234.5 | 229.7 |
| 67.5° | 209.3 | 211.3 | 207.4 | 198.7 | 190.9 |
| 70°   | 175.4 | 176.4 | 171.5 | 160.9 | 156.0 |
| 72.5° | 144.4 | 145.4 | 139.5 | 127.0 | 121.1 |
| 75°   | 115.3 | 115.3 | 107.6 | 95.0  | 91.1  |
| 77.5° | 86.2  | 89.2  | 80.4  | 73.7  | 73.7  |
| 80°   | 62.0  | 64.9  | 56.2  | 57.2  | 56.2  |
| 82.5° | 40.7  | 43.6  | 40.7  | 40.7  | 40.7  |
| 85°   | 22.3  | 24.2  | 26.2  | 27.1  | 27.1  |
| 87.5° | 6.8   | 11.6  | 12.6  | 13.6  | 15.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)