

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: P738312

Luminaire Tested: **22PT-60-PW1-L835**

Issue Date: 2/8/2024



**Test Information**

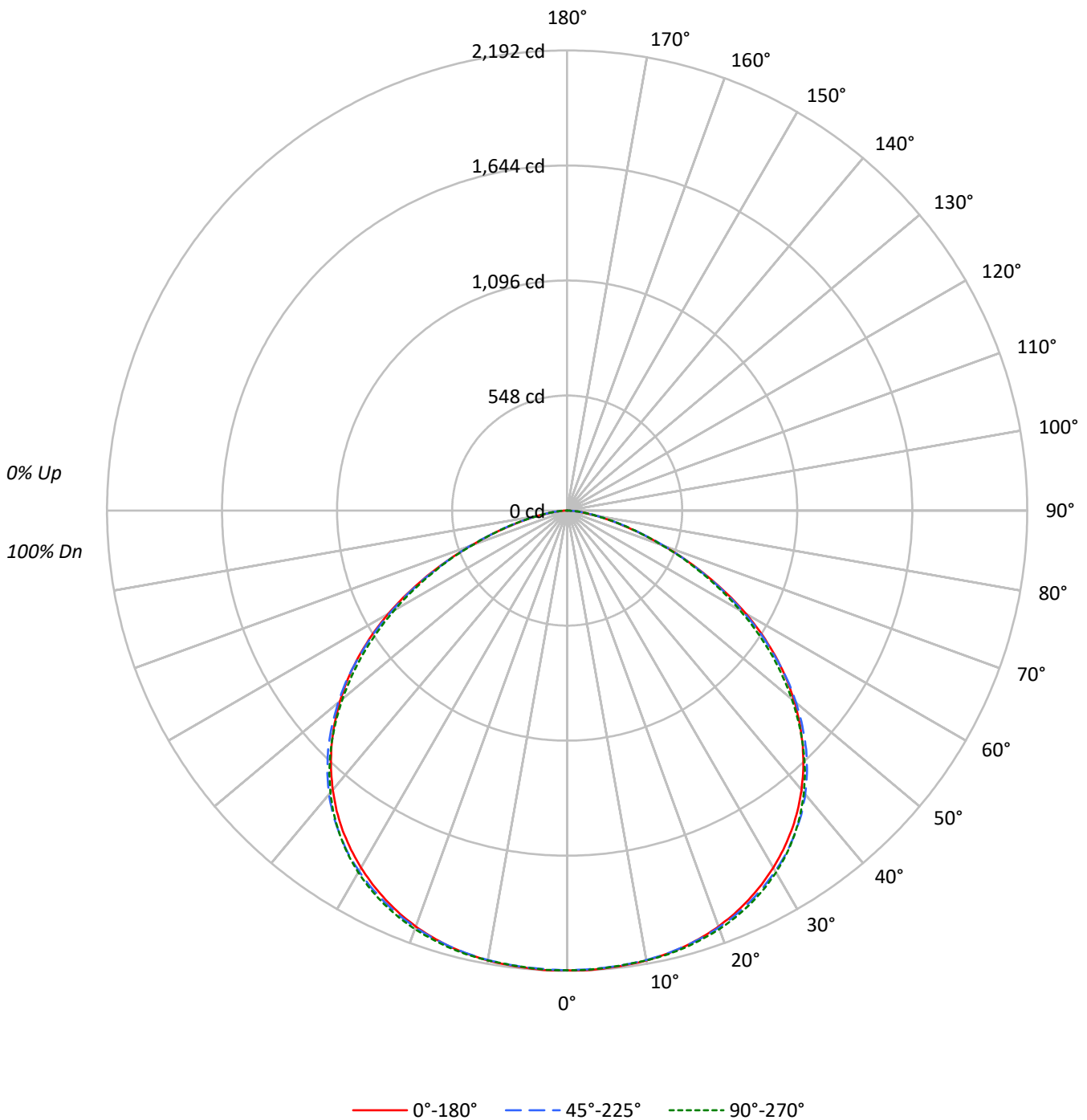
Test Method: LM-79-08  
Report Number: P738312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-60-PW1-L835  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6330.0 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51.8  
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  |     |     |     | 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  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |
| 4   | 83  | 72  | 63  | 57  | 81  | 70  | 62  | 56  | 68  | 61  | 55  | 66  | 60  | 55  | 63  | 58  | 54  | 52  |
| 5   | 77  | 64  | 55  | 49  | 75  | 63  | 55  | 48  | 61  | 54  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 45  |
| 6   | 71  | 58  | 49  | 42  | 69  | 57  | 48  | 42  | 55  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 41  | 39  |
| 7   | 66  | 52  | 44  | 37  | 64  | 51  | 43  | 37  | 50  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |
| 8   | 61  | 48  | 39  | 33  | 59  | 47  | 39  | 33  | 46  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |
| 9   | 57  | 44  | 35  | 30  | 56  | 43  | 35  | 30  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 29  | 28  |
| 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°  | 6417 | 6417 | 6417 |
| 5°  | 6434 | 6425 | 6427 |
| 10° | 6476 | 6466 | 6473 |
| 15° | 6526 | 6524 | 6543 |
| 20° | 6575 | 6589 | 6616 |
| 25° | 6614 | 6652 | 6682 |
| 30° | 6647 | 6710 | 6734 |
| 35° | 6663 | 6749 | 6752 |
| 40° | 6643 | 6750 | 6712 |
| 45° | 6577 | 6671 | 6590 |
| 50° | 6443 | 6490 | 6371 |
| 55° | 6193 | 6165 | 6049 |
| 60° | 5765 | 5701 | 5581 |
| 65° | 5084 | 5035 | 4938 |
| 70° | 4164 | 4184 | 4097 |
| 75° | 3154 | 3260 | 3234 |
| 80° | 2286 | 2377 | 2339 |
| 85° | 1496 | 1553 | 1657 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 208.2  | 3.3       |
| 10°-20°   | 608.2  | 9.6       |
| 20°-30°   | 948.2  | 15.0      |
| 30°-40°   | 1175.2 | 18.6      |
| 40°-50°   | 1229.7 | 19.4      |
| 50°-60°   | 1071.6 | 16.9      |
| 60°-70°   | 717.8  | 11.3      |
| 70°-80°   | 311.2  | 4.9       |
| 80°-90°   | 59.9   | 0.9       |
| 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°    | 1764.6 | 27.9      |
| 0°-40°    | 2939.8 | 46.4      |
| 0°-60°    | 5241.1 | 82.8      |
| 0°-90°    | 6330.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6330.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2190 | 2190  | 2190 | 2190  | 2190 |      |
| 5°  | 2187 | 2185  | 2184 | 2184  | 2185 | 208  |
| 15° | 2151 | 2148  | 2151 | 2153  | 2157 | 608  |
| 25° | 2046 | 2046  | 2058 | 2064  | 2067 | 943  |
| 35° | 1863 | 1870  | 1887 | 1889  | 1888 | 1164 |
| 45° | 1587 | 1596  | 1610 | 1597  | 1590 | 1222 |
| 55° | 1212 | 1212  | 1207 | 1194  | 1184 | 1079 |
| 65° | 733  | 729   | 726  | 719   | 712  | 725  |
| 75° | 279  | 283   | 288  | 286   | 286  | 307  |
| 85° | 44   | 48    | 46   | 47    | 49   | 58   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2189.9 | 2189.9 | 2189.9 | 2189.9 | 2189.9 |
| 2.5°  | 2192.2 | 2188.2 | 2187.4 | 2187.4 | 2189.9 |
| 5°    | 2187.4 | 2185.1 | 2184.3 | 2183.6 | 2185.1 |
| 7.5°  | 2182.8 | 2179.7 | 2180.5 | 2178.8 | 2180.5 |
| 10°   | 2176.6 | 2173.4 | 2173.4 | 2173.4 | 2175.7 |
| 12.5° | 2165.5 | 2163.2 | 2164.1 | 2165.5 | 2168.7 |
| 15°   | 2151.4 | 2148.3 | 2150.8 | 2153.0 | 2157.0 |
| 17.5° | 2131.8 | 2129.5 | 2133.5 | 2137.4 | 2140.6 |
| 20°   | 2108.5 | 2106.0 | 2113.1 | 2118.7 | 2121.8 |
| 22.5° | 2079.4 | 2078.8 | 2088.1 | 2094.4 | 2096.7 |
| 25°   | 2045.9 | 2046.5 | 2057.5 | 2063.8 | 2066.9 |
| 27.5° | 2007.4 | 2009.1 | 2023.2 | 2028.6 | 2031.7 |
| 30°   | 1964.5 | 1968.3 | 1983.2 | 1987.8 | 1990.3 |
| 32.5° | 1915.8 | 1921.4 | 1939.3 | 1942.5 | 1942.5 |
| 35°   | 1862.8 | 1869.6 | 1886.9 | 1889.2 | 1887.7 |
| 37.5° | 1803.3 | 1811.0 | 1830.5 | 1827.4 | 1825.1 |
| 40°   | 1736.7 | 1745.2 | 1764.8 | 1758.5 | 1754.8 |
| 42.5° | 1665.5 | 1674.0 | 1691.3 | 1681.9 | 1676.3 |
| 45°   | 1587.3 | 1595.8 | 1609.9 | 1596.6 | 1590.4 |
| 47.5° | 1502.6 | 1512.8 | 1519.8 | 1505.1 | 1497.2 |
| 50°   | 1413.5 | 1416.6 | 1423.7 | 1406.4 | 1397.7 |
| 52.5° | 1316.3 | 1316.3 | 1322.0 | 1303.0 | 1292.8 |
| 55°   | 1212.3 | 1211.5 | 1206.9 | 1193.6 | 1184.2 |
| 57.5° | 1102.0 | 1097.2 | 1094.1 | 1080.0 | 1069.1 |
| 60°   | 983.8  | 976.7  | 972.8  | 961.1  | 952.4  |
| 62.5° | 860.2  | 856.3  | 851.5  | 842.1  | 832.8  |
| 65°   | 733.3  | 729.3  | 726.2  | 719.3  | 712.3  |
| 67.5° | 607.4  | 604.9  | 604.9  | 600.3  | 599.5  |
| 70°   | 486.1  | 487.5  | 488.4  | 488.4  | 478.2  |
| 72.5° | 376.4  | 377.3  | 381.2  | 378.1  | 377.3  |
| 75°   | 278.6  | 283.4  | 288.0  | 285.7  | 285.7  |
| 77.5° | 200.4  | 207.5  | 207.5  | 205.8  | 203.5  |
| 80°   | 135.5  | 138.6  | 140.9  | 140.0  | 138.6  |
| 82.5° | 86.1   | 88.4   | 86.1   | 87.6   | 88.4   |
| 85°   | 44.5   | 47.7   | 46.2   | 47.0   | 49.3   |
| 87.5° | 14.8   | 16.4   | 17.3   | 16.4   | 16.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)