

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: P738150

Luminaire Tested: **22PT-35-PL1-L950**

Issue Date: 2/8/2024



**Test Information**

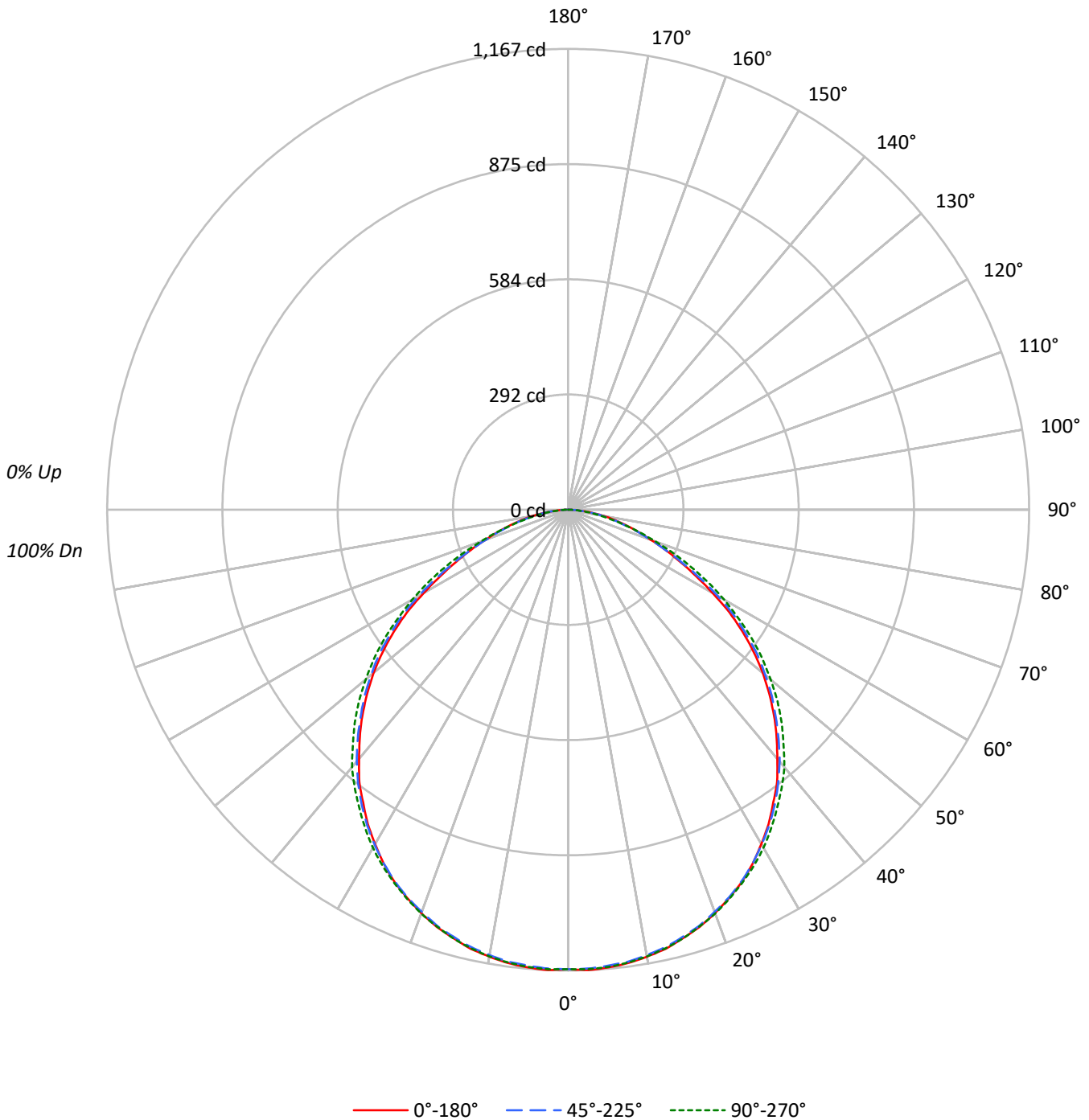
Test Method: LM-79-08  
Report Number: P738150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PL1-L950  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3066.0 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 26.3  
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

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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  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 76  | 80  | 77  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 67  | 77  | 71  | 65  | 74  | 69  | 64  | 72  | 67  | 63  | 61  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 62  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 52  |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 55  | 49  | 62  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 46  |
| 6   | 71  | 58  | 50  | 43  | 70  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3410 | 3410 | 3410 |
| 5°  | 3423 | 3410 | 3418 |
| 10° | 3420 | 3408 | 3417 |
| 15° | 3408 | 3398 | 3410 |
| 20° | 3390 | 3380 | 3393 |
| 25° | 3363 | 3357 | 3371 |
| 30° | 3308 | 3314 | 3346 |
| 35° | 3238 | 3261 | 3299 |
| 40° | 3149 | 3185 | 3256 |
| 45° | 3053 | 3080 | 3167 |
| 50° | 2932 | 2968 | 3048 |
| 55° | 2753 | 2809 | 2896 |
| 60° | 2476 | 2559 | 2668 |
| 65° | 2169 | 2213 | 2379 |
| 70° | 1904 | 1887 | 2009 |
| 75° | 1713 | 1640 | 1646 |
| 80° | 1537 | 1455 | 1298 |
| 85° | 1217 | 1200 | 988  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 110.4  | 3.6       |
| 10°-20°   | 316.5  | 10.3      |
| 20°-30°   | 478.7  | 15.6      |
| 30°-40°   | 570.7  | 18.6      |
| 40°-50°   | 576.2  | 18.8      |
| 50°-60°   | 491.6  | 16.0      |
| 60°-70°   | 323.0  | 10.5      |
| 70°-80°   | 158.2  | 5.2       |
| 80°-90°   | 40.8   | 1.3       |
| 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°    | 905.5  | 29.5      |
| 0°-40°    | 1476.2 | 48.1      |
| 0°-60°    | 2544.0 | 83.0      |
| 0°-90°    | 3066.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3066.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1164 | 1164  | 1164 | 1164  | 1164 |      |
| 5°  | 1164 | 1161  | 1159 | 1159  | 1162 | 111  |
| 15° | 1124 | 1122  | 1120 | 1121  | 1124 | 317  |
| 25° | 1040 | 1038  | 1038 | 1040  | 1043 | 479  |
| 35° | 905  | 908   | 912  | 918   | 922  | 566  |
| 45° | 737  | 739   | 743  | 758   | 764  | 568  |
| 55° | 539  | 542   | 550  | 562   | 567  | 480  |
| 65° | 313  | 313   | 319  | 334   | 343  | 313  |
| 75° | 151  | 150   | 145  | 144   | 145  | 162  |
| 85° | 36   | 36    | 36   | 33    | 29   | 44   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P738150

CATALOG NUMBER: 22PT-35-PL1-L950

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1163.7 | 1163.7 | 1163.7 | 1163.7 | 1163.7 |
| 2.5°  | 1167.1 | 1164.7 | 1163.2 | 1162.2 | 1164.7 |
| 5°    | 1163.7 | 1161.2 | 1159.3 | 1159.3 | 1162.2 |
| 7.5°  | 1158.3 | 1155.9 | 1154.4 | 1153.9 | 1156.8 |
| 10°   | 1149.5 | 1146.6 | 1145.6 | 1145.1 | 1148.5 |
| 12.5° | 1139.2 | 1134.8 | 1134.8 | 1134.3 | 1137.7 |
| 15°   | 1123.5 | 1121.6 | 1120.1 | 1120.6 | 1124.0 |
| 17.5° | 1107.4 | 1105.4 | 1104.5 | 1104.5 | 1106.4 |
| 20°   | 1087.3 | 1084.9 | 1083.9 | 1084.9 | 1088.3 |
| 22.5° | 1064.3 | 1062.8 | 1062.8 | 1063.8 | 1066.3 |
| 25°   | 1040.3 | 1037.9 | 1038.4 | 1039.8 | 1042.8 |
| 27.5° | 1010.9 | 1010.5 | 1010.5 | 1013.9 | 1017.3 |
| 30°   | 977.7  | 977.7  | 979.6  | 984.5  | 988.9  |
| 32.5° | 943.9  | 943.4  | 947.3  | 951.7  | 956.6  |
| 35°   | 905.2  | 907.6  | 911.6  | 917.9  | 922.3  |
| 37.5° | 869.0  | 868.5  | 873.4  | 884.6  | 887.6  |
| 40°   | 823.4  | 826.9  | 832.7  | 844.0  | 851.3  |
| 42.5° | 780.9  | 783.3  | 788.7  | 801.9  | 806.8  |
| 45°   | 736.8  | 738.8  | 743.2  | 757.8  | 764.2  |
| 47.5° | 690.3  | 692.7  | 699.1  | 711.3  | 718.7  |
| 50°   | 643.3  | 646.7  | 651.1  | 662.9  | 668.7  |
| 52.5° | 591.9  | 596.3  | 604.1  | 614.9  | 619.3  |
| 55°   | 539.0  | 541.9  | 549.8  | 562.5  | 566.9  |
| 57.5° | 483.7  | 486.1  | 497.4  | 506.7  | 510.1  |
| 60°   | 422.5  | 425.4  | 436.7  | 451.4  | 455.3  |
| 62.5° | 364.7  | 367.2  | 377.0  | 394.6  | 400.5  |
| 65°   | 312.8  | 312.8  | 319.2  | 333.9  | 343.2  |
| 67.5° | 266.8  | 265.8  | 266.8  | 278.1  | 287.9  |
| 70°   | 222.3  | 222.8  | 220.3  | 227.2  | 234.5  |
| 72.5° | 185.5  | 185.5  | 180.6  | 181.6  | 187.5  |
| 75°   | 151.3  | 149.8  | 144.9  | 143.9  | 145.4  |
| 77.5° | 120.9  | 118.5  | 114.6  | 111.6  | 108.2  |
| 80°   | 91.1   | 89.1   | 86.2   | 81.8   | 76.9   |
| 82.5° | 63.6   | 61.7   | 59.7   | 57.3   | 52.4   |
| 85°   | 36.2   | 36.2   | 35.7   | 32.8   | 29.4   |
| 87.5° | 14.7   | 14.2   | 13.7   | 13.2   | 12.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)