

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: P701634

Luminaire Tested: **RX-WO-30HB2750-UNV-24\_3500K**

Issue Date: 8/21/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P701634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 8/21/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-30HB2750-UNV-24\_3500K  
Description: 2X4 3000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

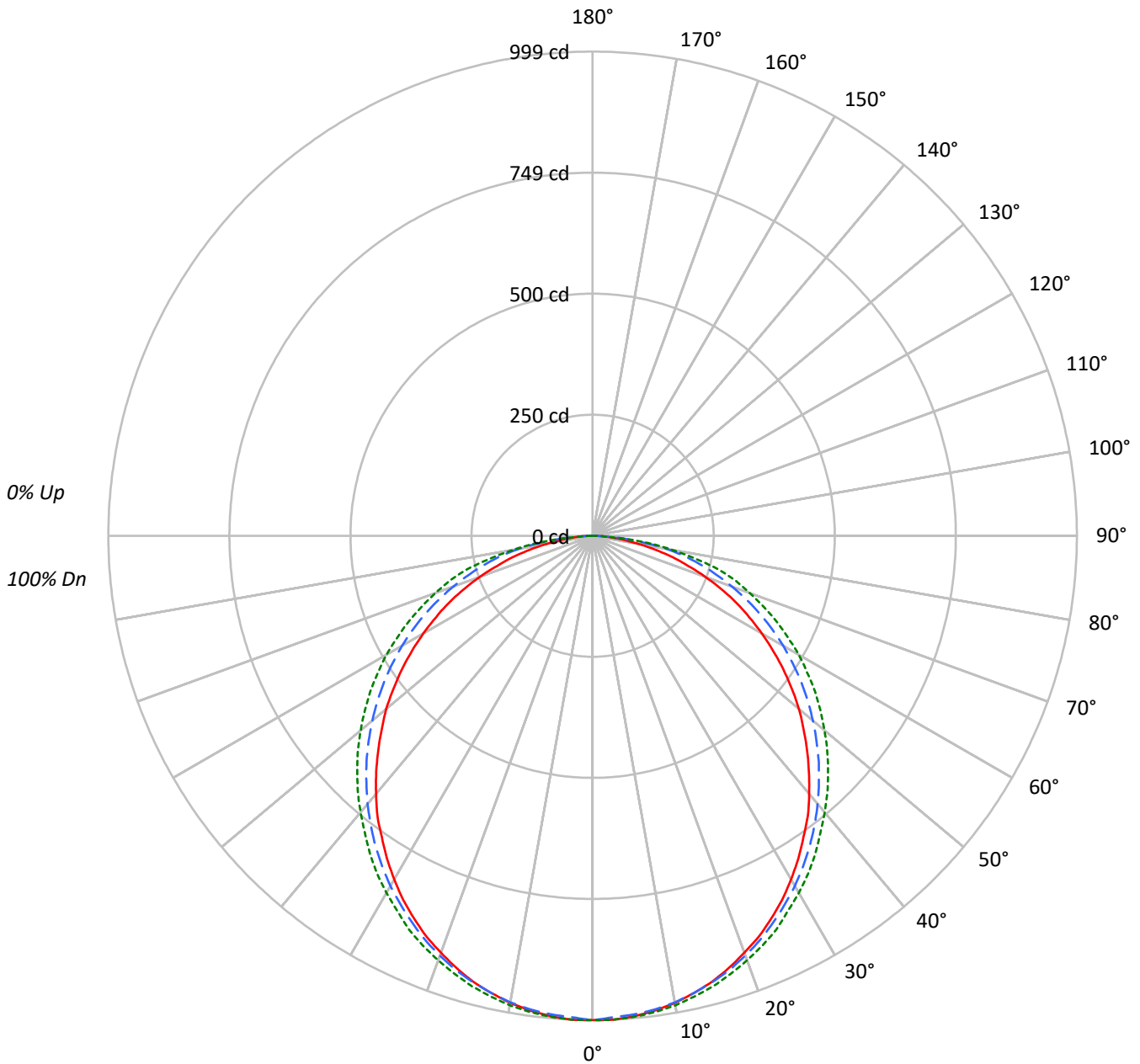
Lumens per Lamp: N/A  
Luminaire Lumens: 2909.0 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 22  
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  | 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   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 93  | 97  | 93  | 90  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |    |    |  |  |  |  |   |
| 2   | 98  | 90  | 83  | 77  | 96  | 88  | 81  | 76  | 84  | 79  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 68  |    |    |    |  |  |  |  |   |
| 3   | 89  | 78  | 70  | 63  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 65  | 61  | 68  | 64  | 60  | 57  |    |    |    |  |  |  |  |   |
| 4   | 82  | 69  | 60  | 54  | 79  | 68  | 60  | 53  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 55  | 51  | 49  |    |    |    |  |  |  |  |   |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 44  | 42  |    |    |    |  |  |  |  |   |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 44  | 39  | 37  |    |    |    |  |  |  |  |   |
| 7   | 64  | 50  | 42  | 35  | 62  | 50  | 41  | 35  | 48  | 40  | 35  | 47  | 40  | 35  | 45  | 39  | 34  | 32  |    |    |    |  |  |  |  |   |
| 8   | 60  | 46  | 37  | 31  | 58  | 45  | 37  | 31  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |    |    |    |  |  |  |  |   |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |    |  |  |  |  |   |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |    |    |    |  |  |  |  |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1410 | 1410 | 1410 |
| 5°  | 1410 | 1404 | 1411 |
| 10° | 1402 | 1401 | 1410 |
| 15° | 1392 | 1393 | 1406 |
| 20° | 1375 | 1384 | 1400 |
| 25° | 1357 | 1372 | 1396 |
| 30° | 1334 | 1359 | 1387 |
| 35° | 1307 | 1346 | 1380 |
| 40° | 1280 | 1330 | 1372 |
| 45° | 1248 | 1317 | 1371 |
| 50° | 1220 | 1302 | 1371 |
| 55° | 1181 | 1291 | 1378 |
| 60° | 1138 | 1281 | 1387 |
| 65° | 1093 | 1270 | 1398 |
| 70° | 1020 | 1260 | 1423 |
| 75° | 929  | 1263 | 1467 |
| 80° | 768  | 1250 | 1351 |
| 85° | 589  | 993  | 959  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 94.5   | 3.2       |
| 10°-20°   | 269.8  | 9.3       |
| 20°-30°   | 407.0  | 14.0      |
| 30°-40°   | 488.6  | 16.8      |
| 40°-50°   | 508.2  | 17.5      |
| 50°-60°   | 467.4  | 16.1      |
| 60°-70°   | 372.5  | 12.8      |
| 70°-80°   | 236.1  | 8.1       |
| 80°-90°   | 64.9   | 2.2       |
| 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°    | 771.3  | 26.5      |
| 0°-40°    | 1260.0 | 43.3      |
| 0°-60°    | 2235.5 | 76.8      |
| 0°-90°    | 2909.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2909.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 999 | 999   | 999 | 999   | 999 |      |
| 5°  | 995 | 995   | 991 | 996   | 996 | 94   |
| 15° | 953 | 953   | 954 | 961   | 962 | 268  |
| 25° | 872 | 876   | 881 | 893   | 896 | 401  |
| 35° | 758 | 767   | 781 | 796   | 801 | 475  |
| 45° | 625 | 639   | 660 | 680   | 687 | 483  |
| 55° | 480 | 496   | 525 | 551   | 560 | 429  |
| 65° | 327 | 344   | 380 | 409   | 419 | 323  |
| 75° | 170 | 192   | 232 | 261   | 269 | 179  |
| 85° | 36  | 52    | 61  | 60    | 59  | 43   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 999.4 | 999.4 | 999.4 | 999.4 | 999.4 |
| 2.5°  | 999.4 | 999.4 | 994.2 | 999.4 | 999.4 |
| 5°    | 995.2 | 995.2 | 991.1 | 996.3 | 996.3 |
| 7.5°  | 988.0 | 989.0 | 985.9 | 991.1 | 991.1 |
| 10°   | 978.6 | 979.7 | 977.6 | 983.8 | 983.8 |
| 12.5° | 966.2 | 967.2 | 966.2 | 973.4 | 973.4 |
| 15°   | 952.6 | 952.6 | 953.7 | 961.0 | 962.0 |
| 17.5° | 935.0 | 937.1 | 939.1 | 947.5 | 947.5 |
| 20°   | 915.2 | 918.4 | 921.5 | 931.9 | 931.9 |
| 22.5° | 895.5 | 898.6 | 902.8 | 913.2 | 915.2 |
| 25°   | 871.6 | 875.8 | 881.0 | 893.4 | 896.5 |
| 27.5° | 846.7 | 849.8 | 858.1 | 871.6 | 872.7 |
| 30°   | 818.6 | 823.8 | 834.2 | 847.7 | 850.8 |
| 32.5° | 789.5 | 796.8 | 808.2 | 823.8 | 826.9 |
| 35°   | 758.4 | 766.7 | 781.2 | 795.8 | 801.0 |
| 37.5° | 729.3 | 735.5 | 752.1 | 768.8 | 771.9 |
| 40°   | 695.0 | 704.4 | 722.0 | 740.7 | 744.9 |
| 42.5° | 660.7 | 671.1 | 690.9 | 709.6 | 716.8 |
| 45°   | 625.4 | 638.9 | 659.7 | 680.5 | 686.7 |
| 47.5° | 590.1 | 604.6 | 626.4 | 649.3 | 656.6 |
| 50°   | 555.8 | 569.3 | 593.2 | 617.1 | 624.4 |
| 52.5° | 517.4 | 532.9 | 558.9 | 584.9 | 592.2 |
| 55°   | 480.0 | 495.5 | 524.6 | 550.6 | 560.0 |
| 57.5° | 441.5 | 459.2 | 489.3 | 516.3 | 524.6 |
| 60°   | 403.1 | 421.8 | 454.0 | 481.0 | 491.4 |
| 62.5° | 364.6 | 382.3 | 417.6 | 444.6 | 454.0 |
| 65°   | 327.2 | 343.9 | 380.2 | 409.3 | 418.7 |
| 67.5° | 286.7 | 305.4 | 342.8 | 373.0 | 381.3 |
| 70°   | 247.3 | 266.0 | 305.4 | 336.6 | 344.9 |
| 72.5° | 206.7 | 228.6 | 268.0 | 298.2 | 309.6 |
| 75°   | 170.4 | 192.2 | 231.7 | 260.8 | 269.1 |
| 77.5° | 131.9 | 153.8 | 194.3 | 215.0 | 216.1 |
| 80°   | 94.5  | 119.5 | 153.8 | 162.1 | 166.2 |
| 82.5° | 62.3  | 86.2  | 106.0 | 116.4 | 116.4 |
| 85°   | 36.4  | 51.9  | 61.3  | 60.3  | 59.2  |
| 87.5° | 13.5  | 17.7  | 14.5  | 10.4  | 7.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



Report Generated By 670246072 / DESKTOP-50001EG







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







(END OF REPORT)