

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: METALUX

Report Number: P#

Luminaire Tested: **6RSRK-65-HE-L940**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-65-HE-L940  
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

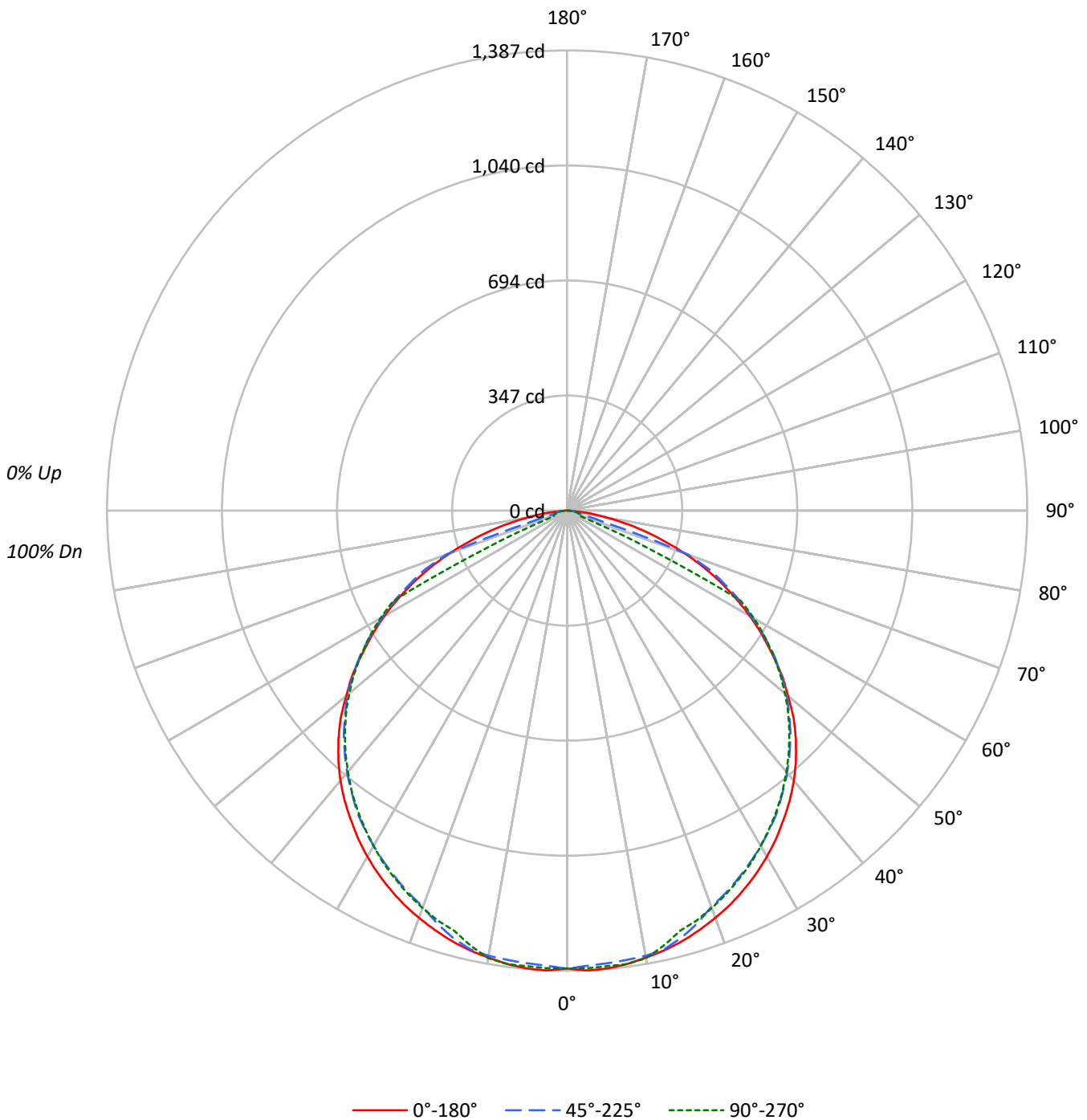
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3800.0 lumens  
Efficiency: N/A  
Efficacy: 201.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.9  
Input Voltage (V): NR  
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   | 110 | 105 | 102 | 98  | 107 | 103 | 100 | 96  | 99  | 96  | 93  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 74  | 72  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 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  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 58  | 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  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 35  |
| 8   | 61  | 48  | 39  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 33  | 45  | 38  | 33  | 43  | 37  | 33  | 31  |
| 9   | 57  | 44  | 36  | 30  | 56  | 43  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |
| 10  | 54  | 41  | 33  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 32  | 27  | 37  | 31  | 27  | 25  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2476 | 2476 | 2476 |
| 5°  | 2495 | 2467 | 2483 |
| 10° | 2492 | 2482 | 2495 |
| 15° | 2495 | 2475 | 2436 |
| 20° | 2494 | 2426 | 2433 |
| 25° | 2495 | 2418 | 2425 |
| 30° | 2494 | 2417 | 2417 |
| 35° | 2490 | 2421 | 2413 |
| 40° | 2489 | 2415 | 2407 |
| 45° | 2473 | 2415 | 2402 |
| 50° | 2426 | 2411 | 2391 |
| 55° | 2360 | 2382 | 2371 |
| 60° | 2283 | 2309 | 2334 |
| 65° | 2163 | 2223 | 1175 |
| 70° | 1979 | 2025 | 222  |
| 75° | 1699 | 245  | 269  |
| 80° | 1275 | 309  | 309  |
| 85° | 653  | 325  | 290  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.1  | 3.5       |
| 10°-20°   | 375.7  | 9.9       |
| 20°-30°   | 571.1  | 15.0      |
| 30°-40°   | 695.7  | 18.3      |
| 40°-50°   | 736.1  | 19.4      |
| 50°-60°   | 675.2  | 17.8      |
| 60°-70°   | 455.4  | 12.0      |
| 70°-80°   | 137.7  | 3.6       |
| 80°-90°   | 22.0   | 0.6       |
| 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°    | 1077.9 | 28.4      |
| 0°-40°    | 1773.6 | 46.7      |
| 0°-60°    | 3184.9 | 83.8      |
| 0°-90°    | 3800.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3800.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1380 | 1380  | 1380 | 1380  | 1380 |      |
| 5°  | 1386 | 1375  | 1370 | 1382  | 1379 | 132  |
| 15° | 1343 | 1336  | 1333 | 1322  | 1312 | 379  |
| 25° | 1260 | 1259  | 1222 | 1234  | 1225 | 581  |
| 35° | 1137 | 1112  | 1105 | 1109  | 1102 | 712  |
| 45° | 975  | 952   | 952  | 954   | 947  | 751  |
| 55° | 754  | 744   | 762  | 762   | 758  | 675  |
| 65° | 510  | 502   | 524  | 531   | 277  | 503  |
| 75° | 245  | 247   | 35   | 39    | 39   | 260  |
| 85° | 32   | 16    | 16   | 14    | 14   | 48   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1380.4 | 1380.4 | 1380.4 | 1380.4 | 1380.4 |
| 2.5°  | 1387.4 | 1376.8 | 1373.3 | 1382.1 | 1380.4 |
| 5°    | 1385.6 | 1375.0 | 1369.7 | 1382.1 | 1378.6 |
| 7.5°  | 1378.6 | 1368.0 | 1366.3 | 1380.4 | 1378.6 |
| 10°   | 1368.0 | 1360.9 | 1362.7 | 1375.0 | 1369.7 |
| 12.5° | 1357.4 | 1350.4 | 1353.9 | 1350.4 | 1343.3 |
| 15°   | 1343.3 | 1336.3 | 1332.7 | 1322.2 | 1311.6 |
| 17.5° | 1325.7 | 1322.2 | 1304.5 | 1301.0 | 1295.7 |
| 20°   | 1306.3 | 1306.3 | 1271.0 | 1281.6 | 1274.6 |
| 22.5° | 1285.1 | 1285.1 | 1248.1 | 1258.7 | 1251.6 |
| 25°   | 1260.5 | 1258.7 | 1221.7 | 1234.0 | 1225.2 |
| 27.5° | 1234.0 | 1225.2 | 1195.2 | 1205.8 | 1198.8 |
| 30°   | 1204.1 | 1188.2 | 1167.0 | 1174.1 | 1167.0 |
| 32.5° | 1172.3 | 1149.4 | 1137.0 | 1142.3 | 1135.3 |
| 35°   | 1137.0 | 1112.4 | 1105.3 | 1108.8 | 1101.8 |
| 37.5° | 1101.8 | 1075.4 | 1068.3 | 1073.6 | 1066.5 |
| 40°   | 1063.0 | 1038.3 | 1031.3 | 1034.8 | 1027.8 |
| 42.5° | 1020.7 | 999.6  | 992.5  | 994.3  | 989.0  |
| 45°   | 974.9  | 952.0  | 952.0  | 953.7  | 946.6  |
| 47.5° | 925.5  | 906.1  | 907.9  | 909.6  | 904.3  |
| 50°   | 869.1  | 855.0  | 863.8  | 865.6  | 856.8  |
| 52.5° | 816.2  | 802.1  | 812.7  | 816.2  | 809.2  |
| 55°   | 754.5  | 743.9  | 761.6  | 761.6  | 758.0  |
| 57.5° | 696.4  | 685.7  | 703.4  | 710.5  | 705.2  |
| 60°   | 636.4  | 625.8  | 643.4  | 655.8  | 650.5  |
| 62.5° | 572.9  | 564.1  | 585.3  | 601.1  | 590.6  |
| 65°   | 509.5  | 502.4  | 523.6  | 530.6  | 276.8  |
| 67.5° | 444.2  | 438.9  | 463.7  | 167.5  | 44.1   |
| 70°   | 377.3  | 372.0  | 386.1  | 42.3   | 42.3   |
| 72.5° | 308.5  | 310.3  | 123.4  | 40.6   | 40.6   |
| 75°   | 245.1  | 246.8  | 35.3   | 38.8   | 38.8   |
| 77.5° | 181.6  | 185.1  | 33.5   | 35.3   | 35.3   |
| 80°   | 123.4  | 89.9   | 29.9   | 29.9   | 29.9   |
| 82.5° | 74.0   | 21.2   | 22.9   | 22.9   | 21.2   |
| 85°   | 31.7   | 15.8   | 15.8   | 14.1   | 14.1   |
| 87.5° | 10.6   | 7.1    | 7.1    | 5.3    | 5.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)