

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-L935**

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-L935  
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

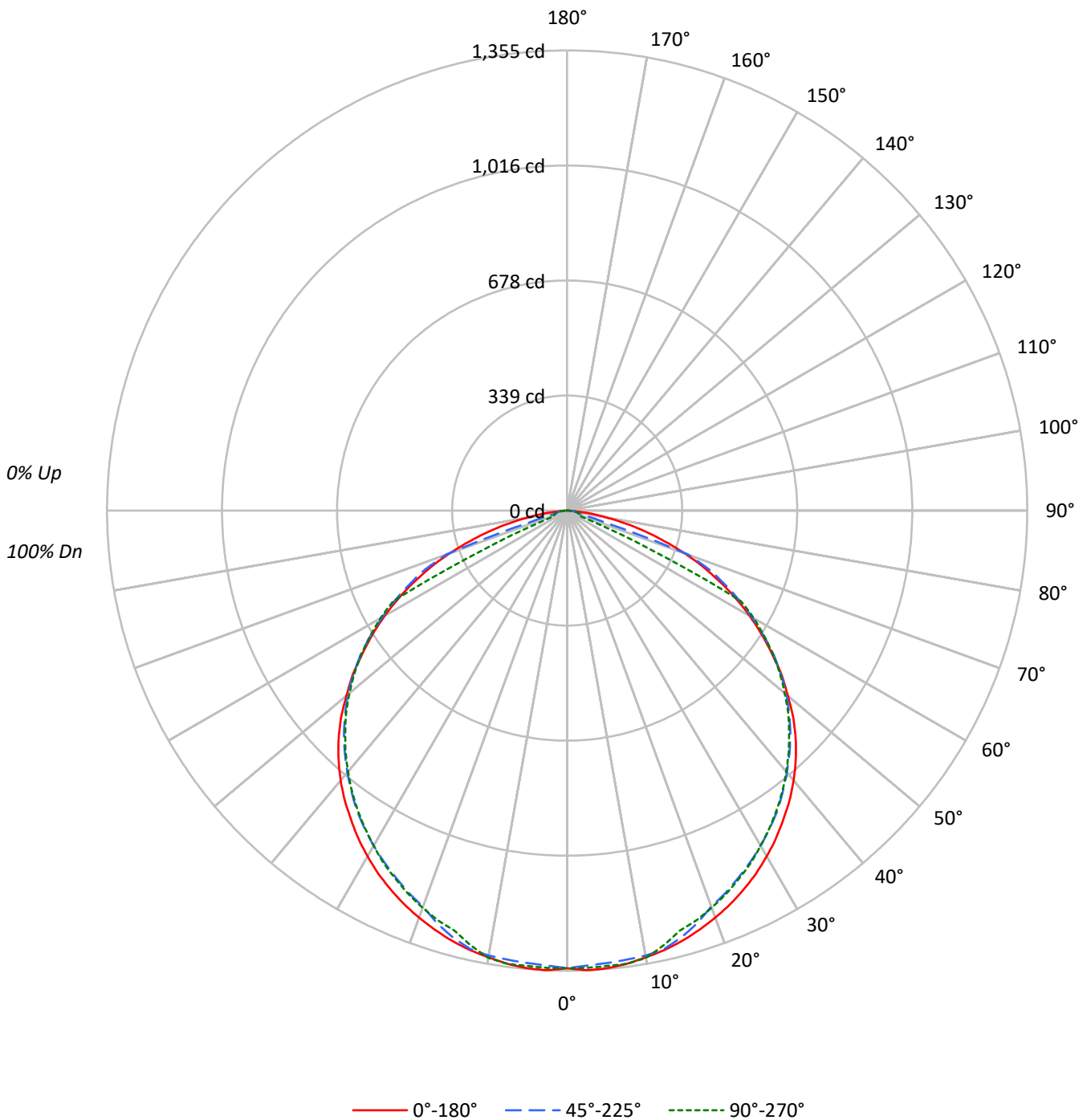
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3710.1 lumens  
Efficiency: N/A  
Efficacy: 196.3 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°  | 2418 | 2418 | 2418 |
| 5°  | 2436 | 2408 | 2424 |
| 10° | 2433 | 2424 | 2436 |
| 15° | 2436 | 2417 | 2378 |
| 20° | 2435 | 2369 | 2376 |
| 25° | 2436 | 2361 | 2368 |
| 30° | 2435 | 2360 | 2360 |
| 35° | 2431 | 2364 | 2356 |
| 40° | 2431 | 2358 | 2350 |
| 45° | 2415 | 2358 | 2345 |
| 50° | 2368 | 2354 | 2335 |
| 55° | 2304 | 2326 | 2315 |
| 60° | 2229 | 2254 | 2279 |
| 65° | 2111 | 2170 | 1147 |
| 70° | 1932 | 1977 | 217  |
| 75° | 1659 | 238  | 263  |
| 80° | 1245 | 302  | 302  |
| 85° | 638  | 319  | 284  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 128.0  | 3.5       |
| 10°-20°   | 366.8  | 9.9       |
| 20°-30°   | 557.6  | 15.0      |
| 30°-40°   | 679.2  | 18.3      |
| 40°-50°   | 718.7  | 19.4      |
| 50°-60°   | 659.2  | 17.8      |
| 60°-70°   | 444.7  | 12.0      |
| 70°-80°   | 134.4  | 3.6       |
| 80°-90°   | 21.5   | 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°    | 1052.4 | 28.4      |
| 0°-40°    | 1731.6 | 46.7      |
| 0°-60°    | 3109.6 | 83.8      |
| 0°-90°    | 3710.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3710.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1348 | 1348  | 1348 | 1348  | 1348 |      |
| 5°  | 1353 | 1342  | 1337 | 1349  | 1346 | 129  |
| 15° | 1312 | 1305  | 1301 | 1291  | 1281 | 370  |
| 25° | 1231 | 1229  | 1193 | 1205  | 1196 | 567  |
| 35° | 1110 | 1086  | 1079 | 1083  | 1076 | 695  |
| 45° | 952  | 929   | 929  | 931   | 924  | 733  |
| 55° | 737  | 726   | 744  | 744   | 740  | 659  |
| 65° | 497  | 490   | 511  | 518   | 270  | 491  |
| 75° | 239  | 241   | 34   | 38    | 38   | 254  |
| 85° | 31   | 16    | 16   | 14    | 14   | 47   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1347.7 | 1347.7 | 1347.7 | 1347.7 | 1347.7 |
| 2.5°  | 1354.6 | 1344.2 | 1340.8 | 1349.4 | 1347.7 |
| 5°    | 1352.9 | 1342.5 | 1337.3 | 1349.4 | 1346.0 |
| 7.5°  | 1346.0 | 1335.6 | 1333.9 | 1347.7 | 1346.0 |
| 10°   | 1335.6 | 1328.8 | 1330.5 | 1342.5 | 1337.3 |
| 12.5° | 1325.3 | 1318.4 | 1321.9 | 1318.4 | 1311.5 |
| 15°   | 1311.5 | 1304.7 | 1301.2 | 1290.9 | 1280.6 |
| 17.5° | 1294.3 | 1290.9 | 1273.7 | 1270.2 | 1265.1 |
| 20°   | 1275.4 | 1275.4 | 1241.0 | 1251.3 | 1244.4 |
| 22.5° | 1254.7 | 1254.7 | 1218.6 | 1228.9 | 1222.0 |
| 25°   | 1230.7 | 1228.9 | 1192.8 | 1204.8 | 1196.2 |
| 27.5° | 1204.8 | 1196.2 | 1167.0 | 1177.3 | 1170.4 |
| 30°   | 1175.6 | 1160.1 | 1139.4 | 1146.3 | 1139.4 |
| 32.5° | 1144.6 | 1122.2 | 1110.1 | 1115.3 | 1108.4 |
| 35°   | 1110.1 | 1086.1 | 1079.2 | 1082.6 | 1075.7 |
| 37.5° | 1075.7 | 1049.9 | 1043.0 | 1048.2 | 1041.3 |
| 40°   | 1037.9 | 1013.8 | 1006.9 | 1010.4 | 1003.5 |
| 42.5° | 996.6  | 975.9  | 969.0  | 970.8  | 965.6  |
| 45°   | 951.8  | 929.4  | 929.4  | 931.1  | 924.3  |
| 47.5° | 903.6  | 884.7  | 886.4  | 888.1  | 882.9  |
| 50°   | 848.5  | 834.8  | 843.4  | 845.1  | 836.5  |
| 52.5° | 796.9  | 783.2  | 793.4  | 796.9  | 790.0  |
| 55°   | 736.7  | 726.3  | 743.6  | 743.6  | 740.1  |
| 57.5° | 679.9  | 669.5  | 686.8  | 693.7  | 688.5  |
| 60°   | 621.3  | 611.0  | 628.2  | 640.3  | 635.1  |
| 62.5° | 559.4  | 550.8  | 571.4  | 586.9  | 576.6  |
| 65°   | 497.4  | 490.5  | 511.2  | 518.1  | 270.2  |
| 67.5° | 433.7  | 428.6  | 452.7  | 163.5  | 43.0   |
| 70°   | 368.3  | 363.2  | 377.0  | 41.3   | 41.3   |
| 72.5° | 301.2  | 302.9  | 120.5  | 39.6   | 39.6   |
| 75°   | 239.3  | 241.0  | 34.4   | 37.9   | 37.9   |
| 77.5° | 177.3  | 180.7  | 32.7   | 34.4   | 34.4   |
| 80°   | 120.5  | 87.8   | 29.2   | 29.2   | 29.2   |
| 82.5° | 72.3   | 20.7   | 22.4   | 22.4   | 20.7   |
| 85°   | 31.0   | 15.5   | 15.5   | 13.8   | 13.8   |
| 87.5° | 10.3   | 6.9    | 6.9    | 5.2    | 5.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)