

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-TS-150-HE-L835**

Issue Date: 3/3/2020



**Test Information**

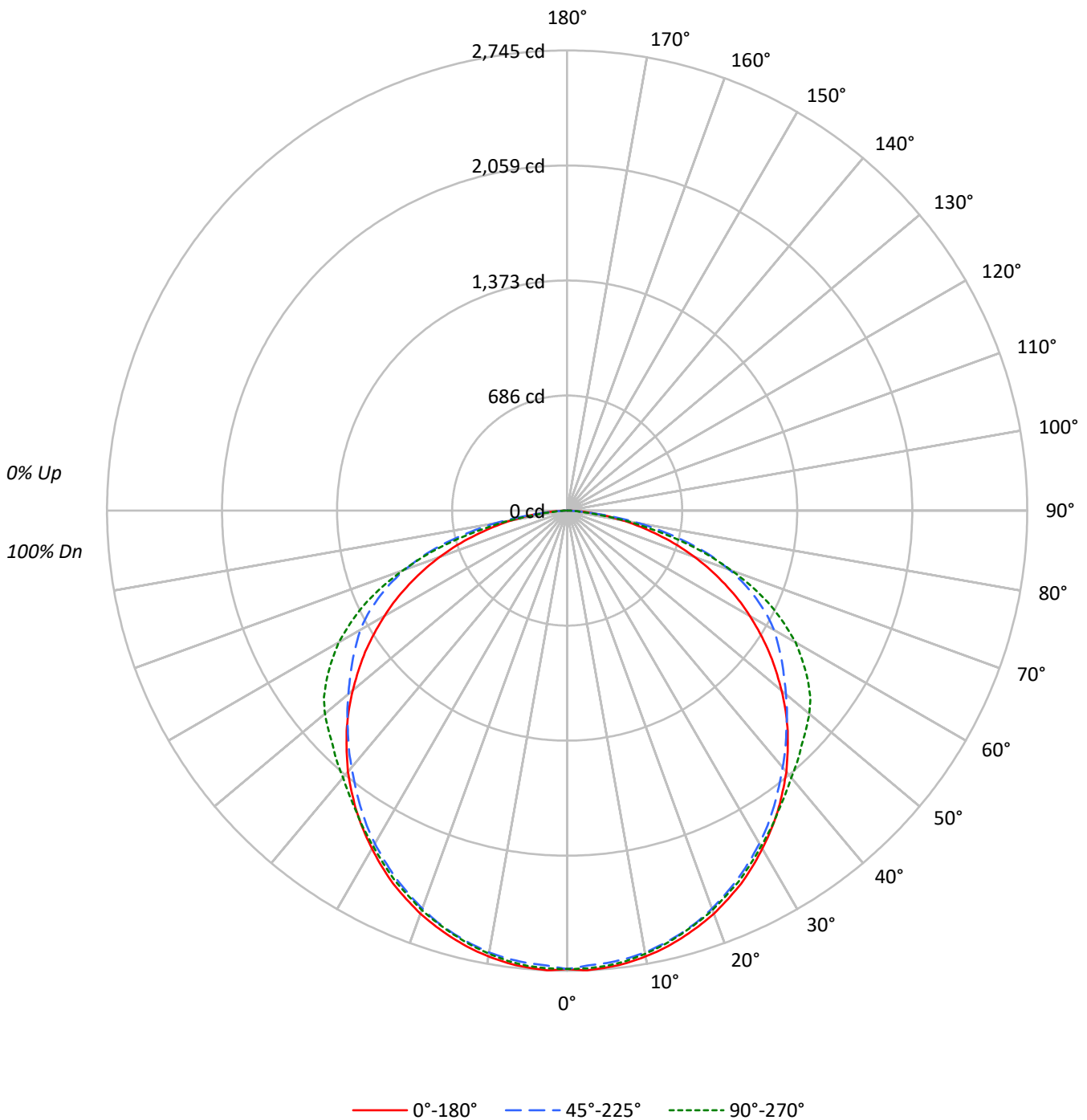
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-150-HE-L835  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8419.2 lumens  
Efficiency: N/A  
Efficacy: 190.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.2  
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





TEST NUMBER: P#

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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   | 108 | 103 | 99  | 95  | 105 | 101 | 97  | 93  | 97  | 93  | 90  |  | 93  | 90  | 87  |  | 89  | 87  | 85  | 83  |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 84  | 78  | 73  |  | 80  | 76  | 72  |  | 77  | 73  | 70  | 68  |
| 3   | 89  | 78  | 69  | 62  | 86  | 76  | 68  | 62  | 73  | 66  | 61  |  | 70  | 65  | 60  |  | 68  | 63  | 59  | 56  |
| 4   | 81  | 69  | 59  | 52  | 79  | 67  | 59  | 52  | 65  | 57  | 51  |  | 62  | 56  | 51  |  | 60  | 54  | 50  | 48  |
| 5   | 74  | 61  | 52  | 45  | 72  | 60  | 51  | 45  | 58  | 50  | 44  |  | 56  | 49  | 44  |  | 54  | 48  | 43  | 41  |
| 6   | 69  | 55  | 46  | 39  | 67  | 54  | 45  | 39  | 52  | 44  | 38  |  | 50  | 43  | 38  |  | 49  | 42  | 38  | 36  |
| 7   | 63  | 50  | 41  | 34  | 62  | 49  | 40  | 34  | 47  | 39  | 34  |  | 46  | 39  | 34  |  | 44  | 38  | 33  | 31  |
| 8   | 59  | 45  | 36  | 30  | 57  | 44  | 36  | 30  | 43  | 36  | 30  |  | 42  | 35  | 30  |  | 41  | 34  | 30  | 28  |
| 9   | 55  | 41  | 33  | 27  | 54  | 41  | 33  | 27  | 40  | 32  | 27  |  | 39  | 32  | 27  |  | 37  | 31  | 27  | 25  |
| 10  | 52  | 38  | 30  | 25  | 50  | 38  | 30  | 25  | 37  | 29  | 25  |  | 36  | 29  | 24  |  | 35  | 29  | 24  | 22  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4906 | 4906 | 4906 |
| 5°  | 4927 | 4880 | 4909 |
| 10° | 4920 | 4877 | 4890 |
| 15° | 4904 | 4854 | 4863 |
| 20° | 4886 | 4824 | 4841 |
| 25° | 4861 | 4788 | 4817 |
| 30° | 4825 | 4751 | 4791 |
| 35° | 4797 | 4713 | 4803 |
| 40° | 4763 | 4684 | 4870 |
| 45° | 4719 | 4693 | 5018 |
| 50° | 4660 | 4755 | 5265 |
| 55° | 4600 | 4890 | 5476 |
| 60° | 4519 | 5112 | 5647 |
| 65° | 4408 | 5285 | 5692 |
| 70° | 4240 | 5400 | 5470 |
| 75° | 3905 | 5224 | 4887 |
| 80° | 3459 | 4495 | 3748 |
| 85° | 2489 | 2277 | 1488 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 259.0  | 3.1       |
| 10°-20°   | 741.1  | 8.8       |
| 20°-30°   | 1122.2 | 13.3      |
| 30°-40°   | 1361.1 | 16.2      |
| 40°-50°   | 1456.0 | 17.3      |
| 50°-60°   | 1411.2 | 16.8      |
| 60°-70°   | 1181.9 | 14.0      |
| 70°-80°   | 726.3  | 8.6       |
| 80°-90°   | 160.4  | 1.9       |
| 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°    | 2122.3 | 25.2      |
| 0°-40°    | 3483.3 | 41.4      |
| 0°-60°    | 6350.6 | 75.4      |
| 0°-90°    | 8419.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8419.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2735 | 2735  | 2735 | 2735  | 2735 |      |
| 5°  | 2736 | 2730  | 2710 | 2727  | 2726 | 260  |
| 15° | 2640 | 2634  | 2614 | 2626  | 2618 | 745  |
| 25° | 2456 | 2441  | 2419 | 2435  | 2434 | 1131 |
| 35° | 2190 | 2162  | 2152 | 2189  | 2193 | 1370 |
| 45° | 1860 | 1820  | 1850 | 1944  | 1978 | 1434 |
| 55° | 1471 | 1431  | 1564 | 1718  | 1751 | 1313 |
| 65° | 1038 | 1032  | 1245 | 1329  | 1341 | 1027 |
| 75° | 563  | 658   | 754  | 721   | 705  | 599  |
| 85° | 121  | 162   | 111  | 77    | 72   | 152  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2734.6 | 2734.6 | 2734.6 | 2734.6 | 2734.6 |
| 2.5°  | 2745.0 | 2737.6 | 2716.9 | 2734.6 | 2733.2 |
| 5°    | 2736.1 | 2730.2 | 2709.6 | 2727.3 | 2725.8 |
| 7.5°  | 2722.8 | 2716.9 | 2696.3 | 2714.0 | 2709.6 |
| 10°   | 2700.7 | 2696.3 | 2677.1 | 2690.4 | 2684.5 |
| 12.5° | 2674.2 | 2669.7 | 2647.6 | 2662.4 | 2655.0 |
| 15°   | 2640.2 | 2634.3 | 2613.7 | 2625.5 | 2618.1 |
| 17.5° | 2601.9 | 2594.5 | 2573.9 | 2585.7 | 2578.3 |
| 20°   | 2559.1 | 2548.8 | 2526.7 | 2542.9 | 2535.5 |
| 22.5° | 2507.5 | 2500.1 | 2473.6 | 2491.3 | 2483.9 |
| 25°   | 2455.9 | 2441.1 | 2419.0 | 2435.2 | 2433.7 |
| 27.5° | 2393.9 | 2379.2 | 2357.0 | 2376.2 | 2373.3 |
| 30°   | 2329.0 | 2312.8 | 2293.6 | 2312.8 | 2312.8 |
| 32.5° | 2261.2 | 2240.5 | 2225.8 | 2247.9 | 2255.3 |
| 35°   | 2190.4 | 2162.3 | 2152.0 | 2188.9 | 2193.3 |
| 37.5° | 2112.2 | 2084.2 | 2075.3 | 2124.0 | 2135.8 |
| 40°   | 2034.0 | 1998.6 | 2000.1 | 2062.0 | 2079.7 |
| 42.5° | 1947.0 | 1911.6 | 1927.8 | 2000.1 | 2032.5 |
| 45°   | 1860.0 | 1820.1 | 1849.6 | 1944.0 | 1978.0 |
| 47.5° | 1768.5 | 1730.2 | 1778.8 | 1889.5 | 1932.2 |
| 50°   | 1669.7 | 1631.3 | 1703.6 | 1837.8 | 1886.5 |
| 52.5° | 1569.4 | 1529.6 | 1631.3 | 1784.7 | 1829.0 |
| 55°   | 1470.6 | 1430.7 | 1563.5 | 1718.4 | 1750.8 |
| 57.5° | 1364.4 | 1330.4 | 1492.7 | 1631.3 | 1663.8 |
| 60°   | 1259.6 | 1230.1 | 1424.8 | 1542.8 | 1573.8 |
| 62.5° | 1152.0 | 1129.8 | 1342.2 | 1441.1 | 1458.8 |
| 65°   | 1038.4 | 1032.5 | 1244.9 | 1329.0 | 1340.8 |
| 67.5° | 924.8  | 939.6  | 1144.6 | 1199.2 | 1200.6 |
| 70°   | 808.3  | 848.1  | 1029.5 | 1053.1 | 1042.8 |
| 72.5° | 690.3  | 759.6  | 902.7  | 890.9  | 882.0  |
| 75°   | 563.4  | 657.8  | 753.7  | 721.3  | 705.0  |
| 77.5° | 448.4  | 554.6  | 594.4  | 548.7  | 523.6  |
| 80°   | 334.8  | 438.1  | 435.1  | 376.1  | 362.8  |
| 82.5° | 225.7  | 305.3  | 261.1  | 212.4  | 185.8  |
| 85°   | 120.9  | 162.2  | 110.6  | 76.7   | 72.3   |
| 87.5° | 45.7   | 38.3   | 29.5   | 26.5   | 26.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)