

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-200-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-200-HE-L935
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

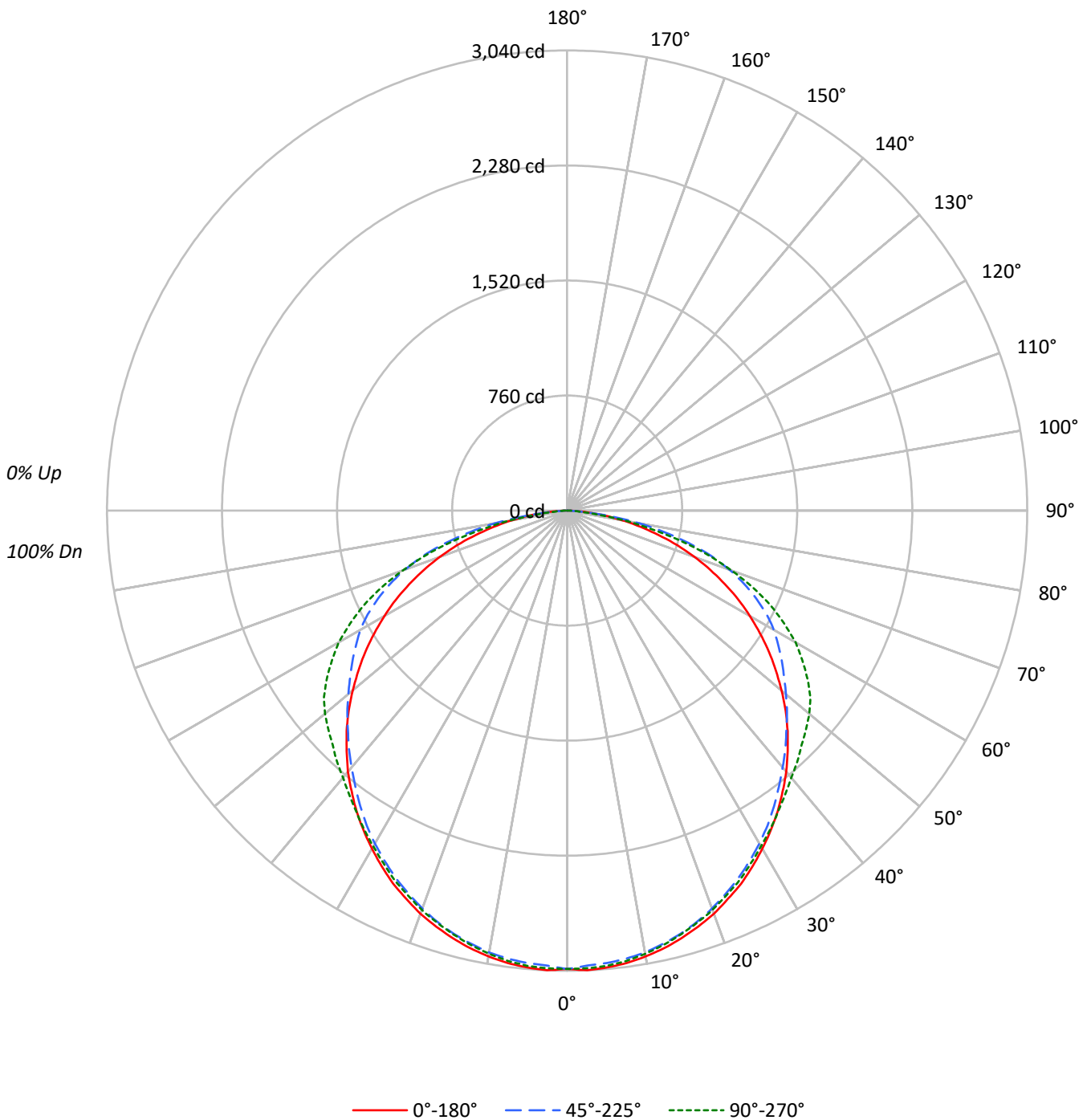
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9323.1 lumens
Efficiency: N/A
Efficacy: 152.3 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): 61.2
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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-TS-200-HE-L935

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-200-HE-L935

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° | 5433 | 5433 | 5433 |
| 5° | 5456 | 5403 | 5436 |
| 10° | 5448 | 5400 | 5415 |
| 15° | 5430 | 5375 | 5385 |
| 20° | 5410 | 5342 | 5360 |
| 25° | 5383 | 5302 | 5335 |
| 30° | 5343 | 5261 | 5305 |
| 35° | 5312 | 5219 | 5319 |
| 40° | 5275 | 5187 | 5393 |
| 45° | 5226 | 5196 | 5557 |
| 50° | 5160 | 5265 | 5831 |
| 55° | 5093 | 5415 | 6064 |
| 60° | 5005 | 5661 | 6253 |
| 65° | 4881 | 5852 | 6302 |
| 70° | 4695 | 5980 | 6057 |
| 75° | 4325 | 5785 | 5411 |
| 80° | 3831 | 4978 | 4151 |
| 85° | 2756 | 2522 | 1647 |



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-200-HE-L935

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 286.8 | 3.1 |
| 10°-20° | 820.7 | 8.8 |
| 20°-30° | 1242.7 | 13.3 |
| 30°-40° | 1507.2 | 16.2 |
| 40°-50° | 1612.4 | 17.3 |
| 50°-60° | 1562.8 | 16.8 |
| 60°-70° | 1308.8 | 14.0 |
| 70°-80° | 804.2 | 8.6 |
| 80°-90° | 177.6 | 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° | 2350.1 | 25.2 |
| 0°-40° | 3857.3 | 41.4 |
| 0°-60° | 7032.5 | 75.4 |
| 0°-90° | 9323.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9323.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3028 | 3028 | 3028 | 3028 | 3028 | |
| 5° | 3030 | 3023 | 3000 | 3020 | 3018 | 288 |
| 15° | 2924 | 2917 | 2894 | 2907 | 2899 | 825 |
| 25° | 2720 | 2703 | 2679 | 2697 | 2695 | 1253 |
| 35° | 2426 | 2394 | 2383 | 2424 | 2429 | 1517 |
| 45° | 2060 | 2016 | 2048 | 2153 | 2190 | 1588 |
| 55° | 1628 | 1584 | 1731 | 1903 | 1939 | 1454 |
| 65° | 1150 | 1143 | 1379 | 1472 | 1485 | 1137 |
| 75° | 624 | 728 | 835 | 799 | 781 | 664 |
| 85° | 134 | 180 | 122 | 85 | 80 | 169 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: 6RSRK-TS-200-HE-L935

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3028.2 | 3028.2 | 3028.2 | 3028.2 | 3028.2 |
| 2.5° | 3039.7 | 3031.5 | 3008.6 | 3028.2 | 3026.6 |
| 5° | 3029.9 | 3023.3 | 3000.5 | 3020.1 | 3018.4 |
| 7.5° | 3015.2 | 3008.6 | 2985.8 | 3005.4 | 3000.5 |
| 10° | 2990.7 | 2985.8 | 2964.5 | 2979.2 | 2972.7 |
| 12.5° | 2961.3 | 2956.4 | 2931.9 | 2948.2 | 2940.0 |
| 15° | 2923.7 | 2917.2 | 2894.3 | 2907.4 | 2899.2 |
| 17.5° | 2881.2 | 2873.1 | 2850.2 | 2863.3 | 2855.1 |
| 20° | 2833.9 | 2822.4 | 2797.9 | 2815.9 | 2807.7 |
| 22.5° | 2776.7 | 2768.5 | 2739.1 | 2758.7 | 2750.6 |
| 25° | 2719.5 | 2703.2 | 2678.7 | 2696.7 | 2695.0 |
| 27.5° | 2650.9 | 2634.6 | 2610.1 | 2631.3 | 2628.1 |
| 30° | 2579.1 | 2561.1 | 2539.9 | 2561.1 | 2561.1 |
| 32.5° | 2503.9 | 2481.1 | 2464.7 | 2489.2 | 2497.4 |
| 35° | 2425.5 | 2394.5 | 2383.1 | 2423.9 | 2428.8 |
| 37.5° | 2339.0 | 2307.9 | 2298.1 | 2352.0 | 2365.1 |
| 40° | 2252.4 | 2213.2 | 2214.8 | 2283.4 | 2303.0 |
| 42.5° | 2156.0 | 2116.8 | 2134.8 | 2214.8 | 2250.8 |
| 45° | 2059.7 | 2015.6 | 2048.2 | 2152.8 | 2190.3 |
| 47.5° | 1958.4 | 1915.9 | 1969.8 | 2092.3 | 2139.7 |
| 50° | 1849.0 | 1806.5 | 1886.5 | 2035.2 | 2089.1 |
| 52.5° | 1737.9 | 1693.8 | 1806.5 | 1976.4 | 2025.4 |
| 55° | 1628.5 | 1584.4 | 1731.4 | 1902.9 | 1938.8 |
| 57.5° | 1510.9 | 1473.3 | 1653.0 | 1806.5 | 1842.4 |
| 60° | 1394.9 | 1362.2 | 1577.8 | 1708.5 | 1742.8 |
| 62.5° | 1275.7 | 1251.1 | 1486.4 | 1595.8 | 1615.4 |
| 65° | 1149.9 | 1143.3 | 1378.6 | 1471.7 | 1484.7 |
| 67.5° | 1024.1 | 1040.4 | 1267.5 | 1327.9 | 1329.6 |
| 70° | 895.1 | 939.2 | 1140.1 | 1166.2 | 1154.8 |
| 72.5° | 764.4 | 841.2 | 999.6 | 986.5 | 976.7 |
| 75° | 623.9 | 728.5 | 834.6 | 798.7 | 780.7 |
| 77.5° | 496.5 | 614.1 | 658.2 | 607.6 | 579.8 |
| 80° | 370.8 | 485.1 | 481.8 | 416.5 | 401.8 |
| 82.5° | 249.9 | 338.1 | 289.1 | 235.2 | 205.8 |
| 85° | 133.9 | 179.7 | 122.5 | 84.9 | 80.0 |
| 87.5° | 50.6 | 42.5 | 32.7 | 29.4 | 29.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)