

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: STREETWORKS

Report Number: P149124

Luminaire Tested: **AVM-F02-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149124
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F02-LED-E-U-RW-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4710.9 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

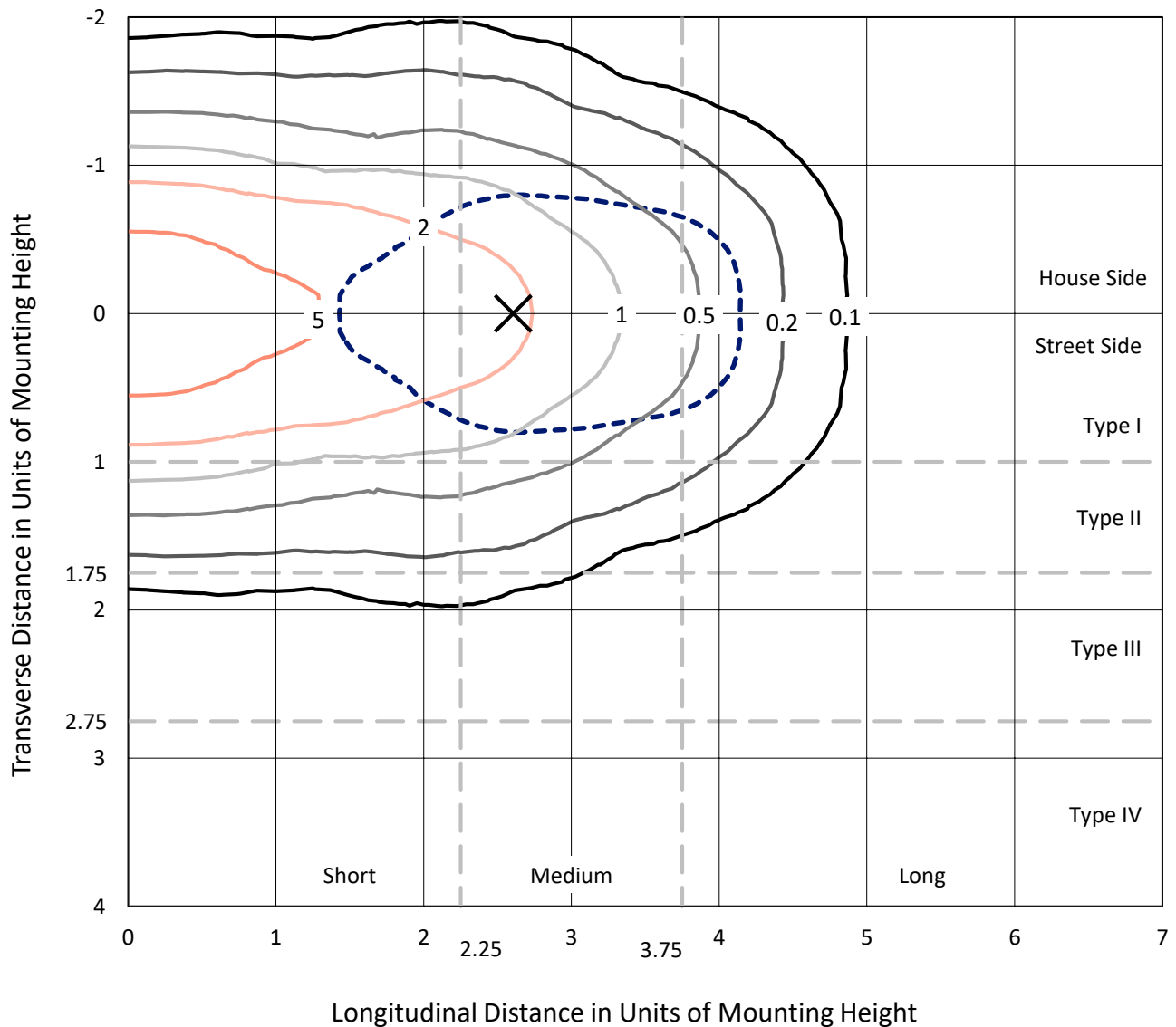
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

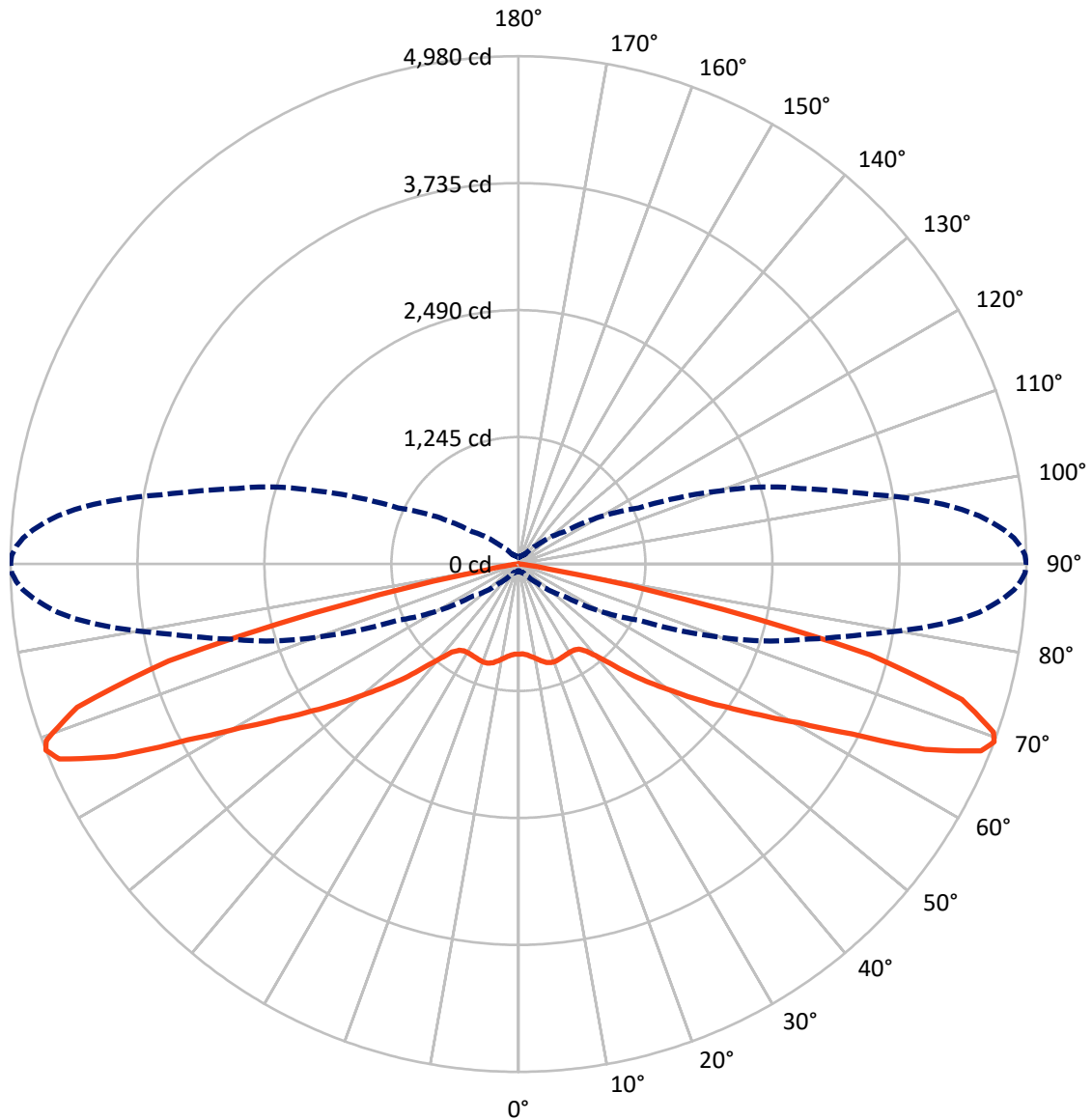


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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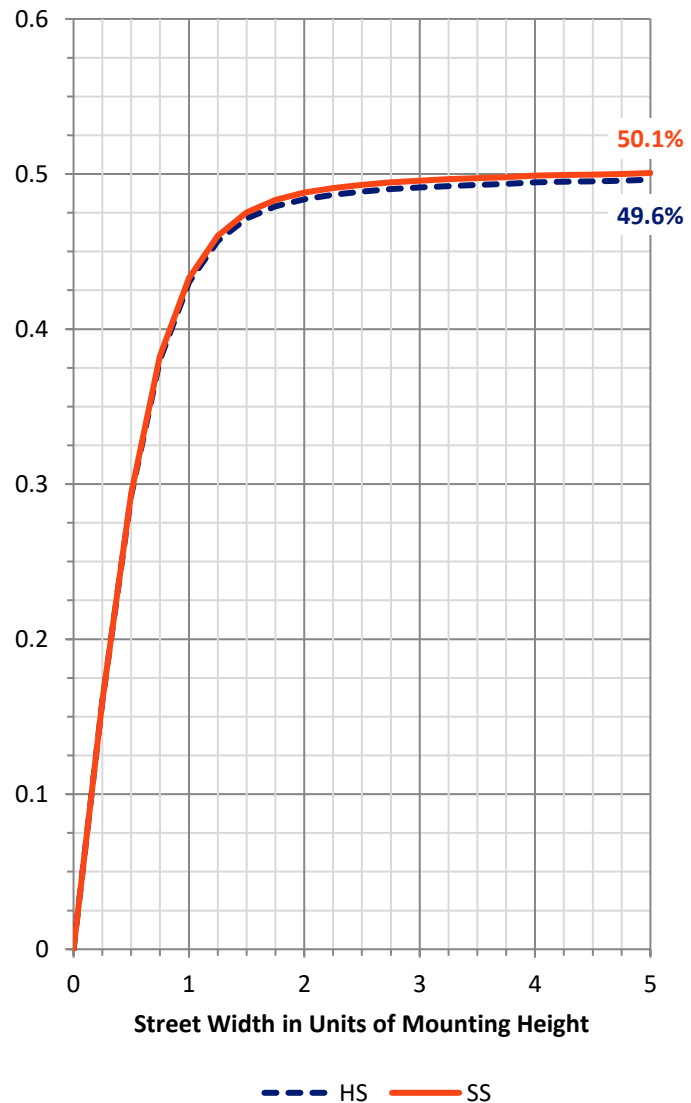
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2355.4 | 0.0 | 2355.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2355.4 | 0.0 | 2355.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4710.9 | 0.0 | 4710.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.6 | 1.8 |
| 10°-20° | 273.1 | 5.8 |
| 20°-30° | 442.5 | 9.4 |
| 30°-40° | 551.5 | 11.7 |
| 40°-50° | 689.1 | 14.6 |
| 50°-60° | 850.9 | 18.1 |
| 60°-70° | 1057.3 | 22.4 |
| 70°-80° | 701.9 | 14.9 |
| 80°-90° | 57.9 | 1.2 |
| 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°-90° | 4710.9 | 100.0 |
| 0°-180° | 4710.9 | 100.0 |



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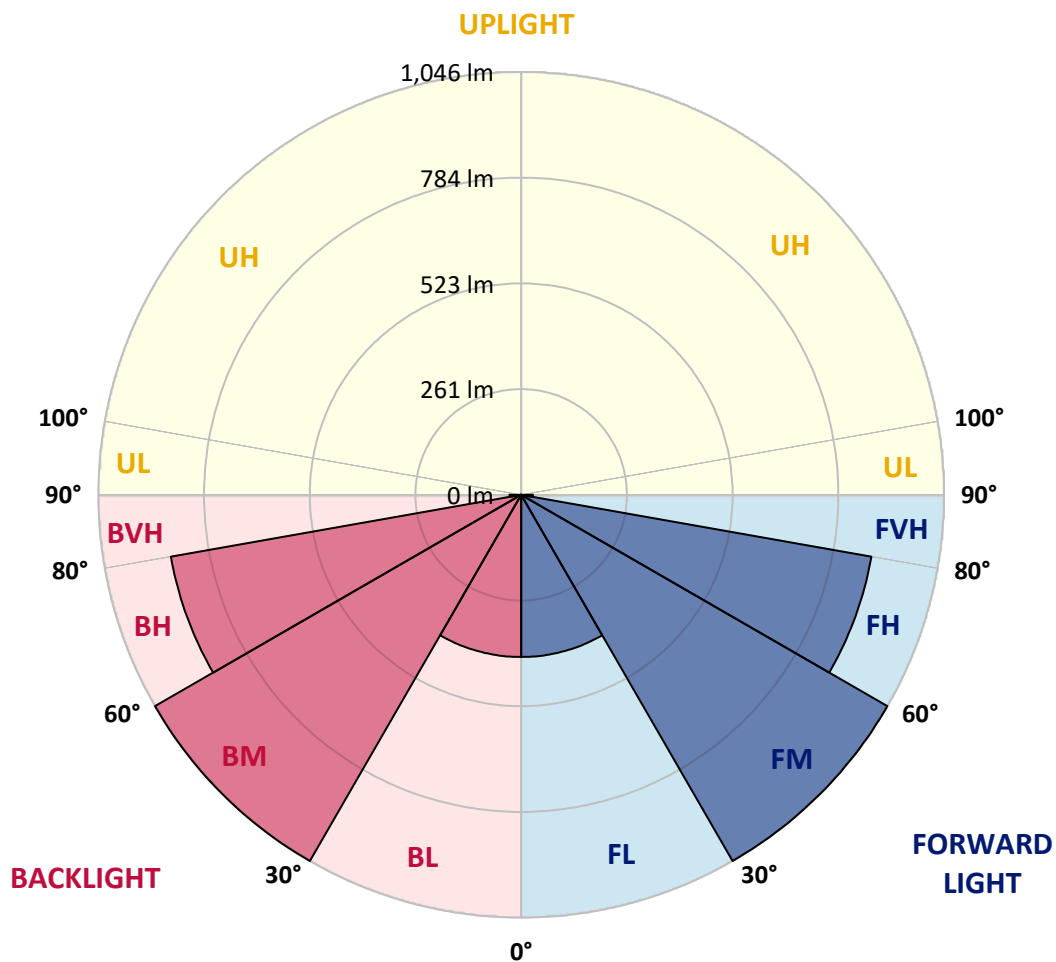
CATALOG NUMBER: AVM-F02-LED-E-U-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 401.1 | 8.5 | | | |
| FM | (30°-60°) | 1045.8 | 22.2 | | | |
| FH | (60°-80°) | 879.6 | 18.7 | | | G1/1800 |
| FVH | (80°-90°) | 29.0 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 401.1 | 8.5 | B1/500 | | |
| BM | (30°-60°) | 1045.8 | 22.2 | B2/2500 | | |
| BH | (60°-80°) | 879.6 | 18.7 | B2/1000 | | G1/1800 |
| BVH | (80°-90°) | 29.0 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 |
| 2.5° | 886.7 | 887.4 | 887.0 | 888.0 | 887.7 | 887.7 | 887.2 | 886.2 | 886.1 | 886.0 | 885.8 |
| 5° | 895.2 | 894.2 | 895.8 | 897.2 | 896.8 | 897.0 | 896.8 | 896.8 | 896.6 | 896.6 | 896.4 |
| 7.5° | 904.3 | 904.0 | 905.0 | 909.0 | 909.6 | 911.0 | 912.8 | 914.1 | 914.2 | 914.2 | 914.2 |
| 10° | 912.1 | 912.4 | 914.8 | 920.6 | 923.6 | 928.4 | 933.2 | 937.0 | 937.2 | 937.5 | 937.8 |
| 12.5° | 918.4 | 918.6 | 922.4 | 931.4 | 938.7 | 947.8 | 958.1 | 963.8 | 964.4 | 964.9 | 965.4 |
| 15° | 918.8 | 919.6 | 926.2 | 941.0 | 955.6 | 970.4 | 982.7 | 990.5 | 990.9 | 991.3 | 991.7 |
| 17.5° | 912.4 | 912.8 | 923.9 | 945.8 | 970.1 | 993.3 | 1006.0 | 1009.6 | 1009.8 | 1009.9 | 1010.0 |
| 20° | 895.2 | 896.4 | 912.0 | 944.5 | 981.7 | 1011.8 | 1025.2 | 1020.4 | 1019.9 | 1019.4 | 1019.0 |
| 22.5° | 867.6 | 867.4 | 887.7 | 931.4 | 984.0 | 1026.4 | 1038.2 | 1025.7 | 1024.2 | 1022.7 | 1021.2 |
| 25° | 822.9 | 825.9 | 849.8 | 902.0 | 971.1 | 1029.7 | 1047.5 | 1028.4 | 1026.3 | 1024.2 | 1022.0 |
| 27.5° | 774.4 | 776.1 | 801.5 | 857.6 | 941.2 | 1018.4 | 1052.0 | 1034.0 | 1031.6 | 1029.2 | 1026.8 |
| 30° | 717.8 | 720.1 | 747.2 | 805.8 | 893.2 | 989.2 | 1050.8 | 1046.6 | 1043.8 | 1041.0 | 1038.2 |
| 32.5° | 662.6 | 665.0 | 689.4 | 753.5 | 842.8 | 949.3 | 1043.3 | 1064.4 | 1061.5 | 1058.7 | 1055.8 |
| 35° | 605.2 | 609.0 | 638.6 | 703.5 | 794.0 | 904.8 | 1031.7 | 1087.2 | 1085.7 | 1084.1 | 1082.5 |
| 37.5° | 557.7 | 558.4 | 587.1 | 655.2 | 748.7 | 862.4 | 1016.4 | 1116.2 | 1117.3 | 1118.5 | 1119.6 |
| 40° | 504.6 | 509.4 | 538.1 | 610.0 | 707.8 | 826.4 | 1001.8 | 1155.4 | 1161.4 | 1167.4 | 1173.4 |
| 42.5° | 457.2 | 457.6 | 486.8 | 561.0 | 663.2 | 797.5 | 993.8 | 1202.6 | 1215.4 | 1228.3 | 1241.1 |
| 45° | 407.2 | 409.2 | 435.6 | 507.2 | 612.0 | 763.3 | 993.6 | 1257.2 | 1277.7 | 1298.2 | 1318.7 |
| 47.5° | 359.9 | 360.6 | 388.6 | 455.2 | 553.2 | 715.6 | 991.8 | 1315.7 | 1343.6 | 1371.6 | 1399.5 |
| 50° | 314.7 | 314.0 | 341.3 | 405.4 | 495.2 | 653.0 | 976.4 | 1382.1 | 1417.3 | 1452.6 | 1487.9 |
| 52.5° | 262.9 | 266.4 | 294.8 | 356.1 | 442.4 | 589.4 | 931.7 | 1454.7 | 1496.9 | 1539.1 | 1581.2 |
| 55° | 212.1 | 213.6 | 244.0 | 301.4 | 388.8 | 530.0 | 853.8 | 1521.6 | 1571.3 | 1621.0 | 1670.7 |
| 57.5° | 156.3 | 160.8 | 187.5 | 244.0 | 334.5 | 480.0 | 754.8 | 1556.2 | 1616.7 | 1677.2 | 1737.7 |
| 60° | 110.3 | 113.8 | 137.4 | 185.0 | 275.0 | 427.6 | 669.6 | 1536.9 | 1615.5 | 1694.1 | 1772.7 |
| 62.5° | 85.9 | 88.8 | 107.6 | 138.5 | 214.4 | 375.0 | 608.4 | 1474.3 | 1581.3 | 1688.2 | 1795.2 |
| 65° | 75.4 | 77.9 | 95.0 | 110.8 | 160.1 | 321.4 | 575.0 | 1408.2 | 1549.6 | 1691.0 | 1832.4 |
| 67.5° | 68.2 | 71.2 | 86.0 | 97.0 | 130.4 | 280.5 | 566.2 | 1366.5 | 1526.6 | 1686.8 | 1847.0 |
| 69° | 64.8 | 67.9 | 81.2 | 90.5 | 121.2 | 265.9 | 551.2 | 1300.8 | 1460.1 | 1619.3 | 1778.5 |
| 70° | 62.8 | 65.3 | 77.6 | 87.2 | 118.2 | 255.8 | 526.0 | 1219.0 | 1375.3 | 1531.7 | 1688.0 |
| 72.5° | 58.3 | 59.6 | 70.4 | 79.6 | 109.6 | 206.8 | 404.6 | 905.3 | 1040.8 | 1176.4 | 1311.9 |
| 75° | 51.6 | 53.0 | 63.0 | 72.2 | 85.4 | 128.4 | 256.1 | 560.0 | 661.2 | 762.4 | 863.5 |
| 77.5° | 44.4 | 45.7 | 54.6 | 68.8 | 66.4 | 80.2 | 153.0 | 311.6 | 370.3 | 429.0 | 487.7 |
| 80° | 35.7 | 37.2 | 45.0 | 68.4 | 54.8 | 62.4 | 110.1 | 217.9 | 233.7 | 249.6 | 265.4 |
| 82.5° | 26.1 | 27.4 | 35.2 | 55.3 | 42.0 | 47.0 | 83.9 | 184.7 | 190.2 | 195.7 | 201.2 |
| 85° | 13.4 | 13.6 | 22.4 | 33.7 | 26.6 | 24.4 | 47.2 | 126.4 | 129.9 | 133.4 | 137.0 |
| 87.5° | 2.2 | 2.2 | 5.0 | 5.8 | 6.5 | 4.0 | 6.0 | 21.6 | 22.3 | 23.0 | 23.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: AVM-F02-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 |
| 2.5° | 885.7 | 885.6 | 885.2 | 885.2 | 885.6 | 885.4 | 885.7 | 885.8 | 886.0 | 885.1 | 884.9 |
| 5° | 896.4 | 896.2 | 896.2 | 896.2 | 896.4 | 896.3 | 896.5 | 896.9 | 896.8 | 896.2 | 896.1 |
| 7.5° | 914.3 | 914.4 | 914.6 | 914.4 | 914.8 | 914.6 | 914.1 | 914.9 | 915.4 | 915.5 | 916.0 |
| 10° | 938.0 | 938.3 | 939.2 | 939.1 | 940.0 | 939.8 | 940.0 | 940.8 | 941.4 | 941.5 | 942.1 |
| 12.5° | 965.9 | 966.4 | 966.8 | 967.3 | 968.2 | 967.7 | 968.9 | 969.4 | 970.2 | 971.6 | 970.9 |
| 15° | 992.1 | 992.5 | 993.9 | 994.0 | 994.8 | 995.2 | 996.2 | 996.7 | 996.9 | 998.1 | 998.3 |
| 17.5° | 1010.2 | 1010.4 | 1010.8 | 1010.6 | 1011.4 | 1011.1 | 1011.8 | 1012.3 | 1012.9 | 1013.6 | 1014.7 |
| 20° | 1018.5 | 1018.0 | 1017.7 | 1017.5 | 1016.9 | 1016.2 | 1016.4 | 1016.8 | 1016.8 | 1017.4 | 1018.3 |
| 22.5° | 1019.8 | 1018.3 | 1016.7 | 1015.7 | 1014.2 | 1012.9 | 1011.6 | 1011.7 | 1011.8 | 1011.7 | 1012.2 |
| 25° | 1019.9 | 1017.8 | 1015.4 | 1012.5 | 1010.4 | 1007.5 | 1005.1 | 1004.9 | 1004.2 | 1004.2 | 1004.5 |
| 27.5° | 1024.4 | 1022.0 | 1018.7 | 1015.3 | 1010.8 | 1006.9 | 1003.0 | 1001.7 | 1000.4 | 999.5 | 999.1 |
| 30° | 1035.4 | 1032.6 | 1028.6 | 1024.3 | 1019.3 | 1013.3 | 1007.8 | 1006.1 | 1004.2 | 1002.4 | 1001.0 |
| 32.5° | 1052.9 | 1050.0 | 1045.6 | 1041.2 | 1034.5 | 1028.6 | 1023.2 | 1020.4 | 1017.6 | 1014.6 | 1011.8 |
| 35° | 1080.9 | 1079.4 | 1075.5 | 1071.6 | 1066.7 | 1062.0 | 1057.1 | 1054.0 | 1049.4 | 1047.0 | 1043.6 |
| 37.5° | 1120.8 | 1121.9 | 1121.9 | 1122.4 | 1121.0 | 1118.7 | 1115.2 | 1111.9 | 1110.4 | 1104.1 | 1100.1 |
| 40° | 1179.4 | 1185.4 | 1190.9 | 1195.2 | 1198.9 | 1202.6 | 1205.9 | 1204.0 | 1204.6 | 1202.9 | 1200.5 |
| 42.5° | 1254.0 | 1266.8 | 1278.6 | 1290.3 | 1298.8 | 1312.0 | 1321.2 | 1324.2 | 1331.6 | 1334.5 | 1340.0 |
| 45° | 1339.2 | 1359.7 | 1379.4 | 1397.6 | 1414.6 | 1433.5 | 1452.0 | 1465.7 | 1480.6 | 1497.6 | 1514.6 |
| 47.5° | 1427.4 | 1455.4 | 1484.4 | 1508.1 | 1532.6 | 1560.6 | 1585.1 | 1605.8 | 1632.8 | 1657.7 | 1685.1 |
| 50° | 1523.1 | 1558.4 | 1591.4 | 1620.7 | 1652.3 | 1684.6 | 1718.1 | 1748.5 | 1784.9 | 1824.7 | 1867.9 |
| 52.5° | 1623.4 | 1665.6 | 1703.9 | 1740.6 | 1777.6 | 1814.6 | 1850.3 | 1893.2 | 1938.1 | 1990.7 | 2044.7 |
| 55° | 1720.4 | 1770.2 | 1813.5 | 1854.4 | 1896.8 | 1938.1 | 1975.0 | 2032.3 | 2087.4 | 2150.3 | 2220.7 |
| 57.5° | 1798.2 | 1858.7 | 1908.8 | 1957.3 | 2005.1 | 2049.1 | 2094.4 | 2159.0 | 2229.2 | 2302.8 | 2392.1 |
| 60° | 1851.4 | 1930.0 | 1993.8 | 2052.2 | 2110.8 | 2166.2 | 2218.2 | 2302.8 | 2386.4 | 2477.7 | 2588.9 |
| 62.5° | 1902.2 | 2009.1 | 2092.5 | 2172.1 | 2251.1 | 2322.2 | 2386.9 | 2493.3 | 2602.4 | 2715.3 | 2847.5 |
| 65° | 1973.8 | 2115.2 | 2238.0 | 2348.9 | 2458.3 | 2562.7 | 2659.6 | 2794.4 | 2932.1 | 3080.7 | 3238.6 |
| 67.5° | 2007.1 | 2167.2 | 2327.1 | 2476.6 | 2615.6 | 2747.8 | 2872.2 | 3035.1 | 3197.3 | 3369.5 | 3560.3 |
| 69° | 1937.8 | 2097.0 | 2267.9 | 2431.2 | 2584.7 | 2725.0 | 2859.6 | 3026.0 | 3194.6 | 3370.4 | 3562.9 |
| 70° | 1844.4 | 2000.7 | 2173.2 | 2343.9 | 2490.8 | 2636.9 | 2776.4 | 2941.5 | 3112.3 | 3288.6 | 3490.1 |
| 72.5° | 1447.5 | 1583.0 | 1751.2 | 1916.9 | 2064.3 | 2210.9 | 2346.4 | 2515.3 | 2687.2 | 2872.5 | 3063.2 |
| 75° | 964.7 | 1065.9 | 1191.2 | 1345.0 | 1480.0 | 1609.6 | 1741.0 | 1883.8 | 2051.6 | 2204.2 | 2378.8 |
| 77.5° | 546.4 | 605.1 | 677.9 | 777.8 | 874.8 | 952.4 | 1046.0 | 1113.2 | 1210.6 | 1294.7 | 1383.5 |
| 80° | 281.2 | 297.1 | 318.8 | 342.8 | 356.4 | 354.3 | 368.2 | 354.4 | 357.5 | 346.2 | 334.2 |
| 82.5° | 206.7 | 212.2 | 222.1 | 226.9 | 226.4 | 210.6 | 193.8 | 170.5 | 149.9 | 128.3 | 108.5 |
| 85° | 140.5 | 144.0 | 146.5 | 150.2 | 149.2 | 142.3 | 127.2 | 107.0 | 87.2 | 70.0 | 56.0 |
| 87.5° | 24.3 | 25.0 | 24.8 | 26.9 | 27.0 | 25.0 | 20.6 | 17.6 | 14.8 | 11.0 | 7.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: AVM-F02-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 | 882.7 |
| 2.5° | 884.7 | 884.7 | 885.2 | 884.7 | 884.7 | 884.7 | 884.4 | 885.0 | 884.7 | 884.0 | 883.2 |
| 5° | 896.2 | 895.5 | 895.2 | 895.8 | 896.2 | 895.2 | 896.0 | 896.8 | 895.4 | 895.7 | 895.2 |
| 7.5° | 915.6 | 915.4 | 915.1 | 915.6 | 915.6 | 915.4 | 915.6 | 914.8 | 914.4 | 915.1 | 915.9 |
| 10° | 941.5 | 941.2 | 941.8 | 941.8 | 942.8 | 942.2 | 942.0 | 942.8 | 942.2 | 941.8 | 942.0 |
| 12.5° | 971.9 | 971.2 | 972.4 | 972.4 | 973.2 | 973.2 | 972.9 | 973.2 | 972.9 | 972.2 | 971.6 |
| 15° | 999.0 | 998.0 | 998.3 | 1000.3 | 1000.0 | 1000.6 | 1000.6 | 1000.0 | 999.8 | 999.6 | 999.8 |
| 17.5° | 1015.4 | 1014.9 | 1014.9 | 1015.9 | 1016.6 | 1016.4 | 1016.4 | 1016.4 | 1016.2 | 1016.4 | 1016.9 |
| 20° | 1018.4 | 1018.4 | 1018.6 | 1019.6 | 1020.9 | 1020.2 | 1020.2 | 1020.6 | 1020.2 | 1020.6 | 1020.9 |
| 22.5° | 1012.6 | 1013.1 | 1013.6 | 1014.8 | 1015.1 | 1015.1 | 1015.1 | 1015.4 | 1015.9 | 1015.9 | 1016.4 |
| 25° | 1004.6 | 1005.1 | 1005.8 | 1006.8 | 1007.8 | 1007.8 | 1007.8 | 1008.4 | 1008.4 | 1008.6 | 1008.8 |
| 27.5° | 998.6 | 999.0 | 999.8 | 1000.8 | 1002.0 | 1002.0 | 1002.1 | 1002.6 | 1002.6 | 1002.8 | 1003.3 |
| 30° | 999.2 | 998.3 | 999.0 | 999.6 | 1000.3 | 1000.3 | 1000.0 | 1000.2 | 1000.6 | 1000.6 | 1000.8 |
| 32.5° | 1010.1 | 1007.8 | 1007.1 | 1006.8 | 1007.0 | 1006.4 | 1006.1 | 1005.6 | 1005.1 | 1005.0 | 1004.8 |
| 35° | 1038.8 | 1035.2 | 1034.9 | 1033.0 | 1031.0 | 1029.0 | 1029.2 | 1027.7 | 1028.2 | 1026.9 | 1025.9 |
| 37.5° | 1097.6 | 1093.6 | 1096.0 | 1091.8 | 1089.0 | 1087.1 | 1084.8 | 1081.8 | 1080.0 | 1082.2 | 1082.2 |
| 40° | 1202.9 | 1200.1 | 1199.4 | 1200.1 | 1197.6 | 1198.8 | 1193.3 | 1191.8 | 1188.6 | 1190.8 | 1193.8 |
| 42.5° | 1348.4 | 1346.6 | 1356.2 | 1357.9 | 1359.0 | 1360.4 | 1361.4 | 1353.2 | 1352.9 | 1351.2 | 1346.1 |
| 45° | 1528.1 | 1538.6 | 1538.2 | 1549.7 | 1550.2 | 1546.7 | 1548.2 | 1544.4 | 1542.9 | 1537.4 | 1544.2 |
| 47.5° | 1712.8 | 1732.9 | 1740.5 | 1743.0 | 1752.6 | 1754.8 | 1745.8 | 1742.7 | 1748.0 | 1739.0 | 1740.2 |
| 50° | 1911.1 | 1932.7 | 1950.4 | 1962.2 | 1969.0 | 1969.4 | 1962.6 | 1961.2 | 1966.0 | 1948.8 | 1956.9 |
| 52.5° | 2106.2 | 2138.8 | 2172.0 | 2189.6 | 2202.2 | 2203.2 | 2208.4 | 2202.2 | 2204.7 | 2200.6 | 2208.7 |
| 55° | 2298.4 | 2355.0 | 2394.0 | 2428.4 | 2450.2 | 2469.0 | 2470.8 | 2477.6 | 2478.2 | 2486.4 | 2478.1 |
| 57.5° | 2486.4 | 2548.0 | 2615.9 | 2676.9 | 2710.8 | 2732.2 | 2752.3 | 2779.8 | 2785.8 | 2782.5 | 2787.8 |
| 60° | 2708.4 | 2803.6 | 2895.8 | 2966.2 | 3024.8 | 3080.8 | 3111.0 | 3154.0 | 3160.8 | 3179.4 | 3163.3 |
| 62.5° | 2988.8 | 3127.0 | 3252.2 | 3347.0 | 3436.0 | 3523.2 | 3589.0 | 3622.2 | 3642.3 | 3681.2 | 3668.4 |
| 65° | 3419.1 | 3585.0 | 3750.6 | 3886.3 | 4011.0 | 4114.8 | 4214.8 | 4262.6 | 4315.4 | 4370.6 | 4380.7 |
| 67.5° | 3773.5 | 3978.8 | 4165.6 | 4330.9 | 4482.0 | 4597.4 | 4701.4 | 4784.1 | 4848.5 | 4889.2 | 4892.4 |
| 69° | 3789.6 | 4003.0 | 4205.8 | 4383.2 | 4540.8 | 4663.4 | 4773.0 | 4865.0 | 4927.6 | 4969.3 | 4980.4 |
| 70° | 3712.7 | 3931.1 | 4147.2 | 4326.4 | 4487.8 | 4613.2 | 4729.3 | 4817.0 | 4886.8 | 4929.4 | 4944.2 |
| 72.5° | 3280.2 | 3513.4 | 3744.3 | 3901.4 | 4066.3 | 4215.6 | 4308.6 | 4398.0 | 4496.6 | 4509.4 | 4550.1 |
| 75° | 2585.7 | 2781.8 | 2960.9 | 3081.1 | 3218.8 | 3352.8 | 3444.0 | 3467.6 | 3519.2 | 3584.0 | 3560.9 |
| 77.5° | 1498.4 | 1558.8 | 1674.4 | 1704.0 | 1678.9 | 1737.2 | 1756.6 | 1715.3 | 1713.4 | 1751.2 | 1675.9 |
| 80° | 332.0 | 313.2 | 336.8 | 319.2 | 319.7 | 320.2 | 314.9 | 312.9 | 316.7 | 313.0 | 307.6 |
| 82.5° | 91.9 | 88.9 | 89.5 | 88.4 | 90.2 | 89.0 | 88.2 | 90.2 | 90.0 | 89.8 | 91.5 |
| 85° | 44.2 | 43.8 | 43.0 | 42.7 | 41.7 | 40.4 | 38.4 | 38.4 | 39.4 | 38.0 | 38.7 |
| 87.5° | 5.8 | 5.5 | 5.5 | 6.5 | 5.8 | 4.8 | 4.8 | 4.8 | 4.5 | 4.5 | 4.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)