

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: P150285

Luminaire Tested: **AVM-F04-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P150285
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F04-LED-E-U-SL2
Description: VISION SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10088.2 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

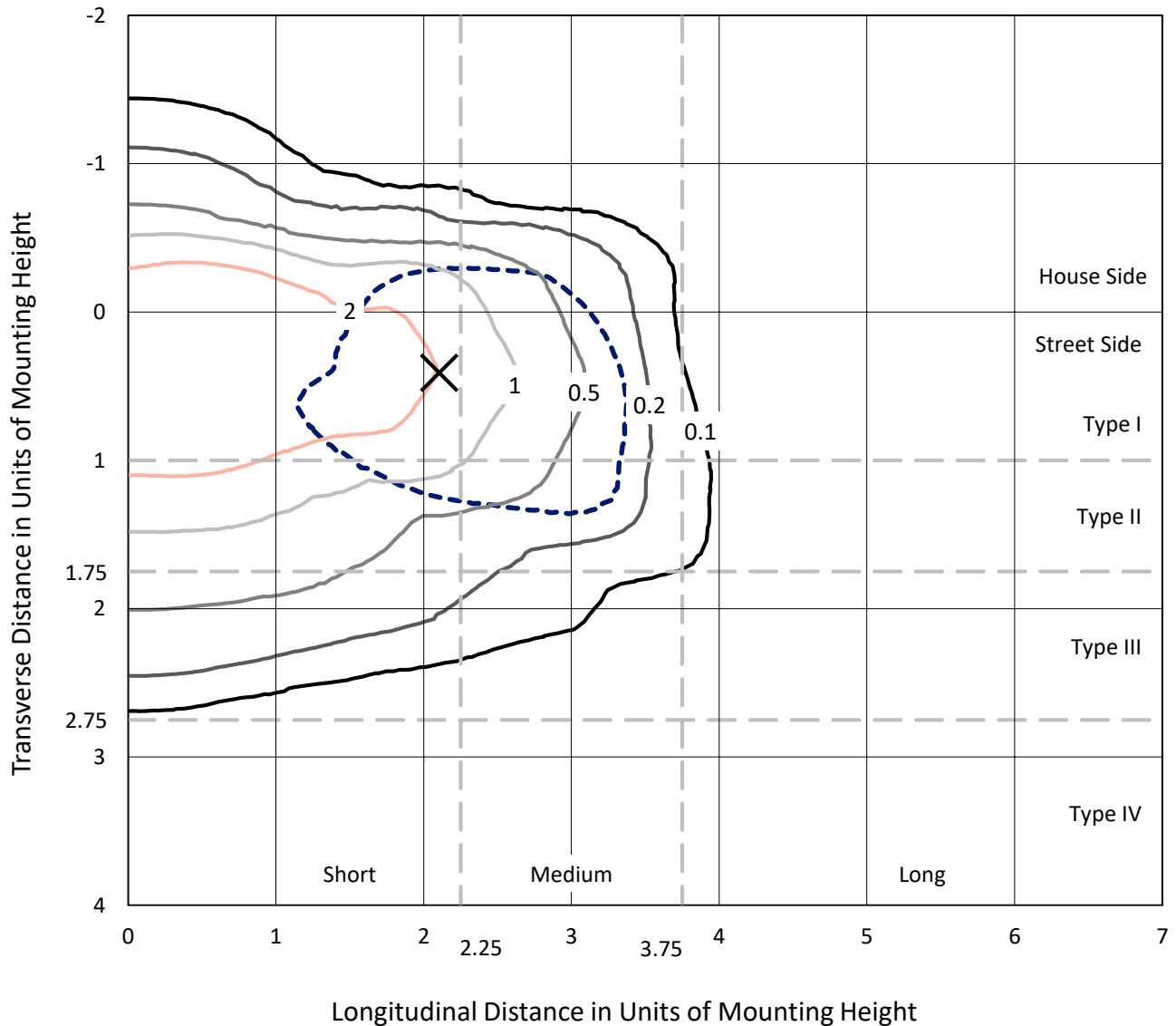
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

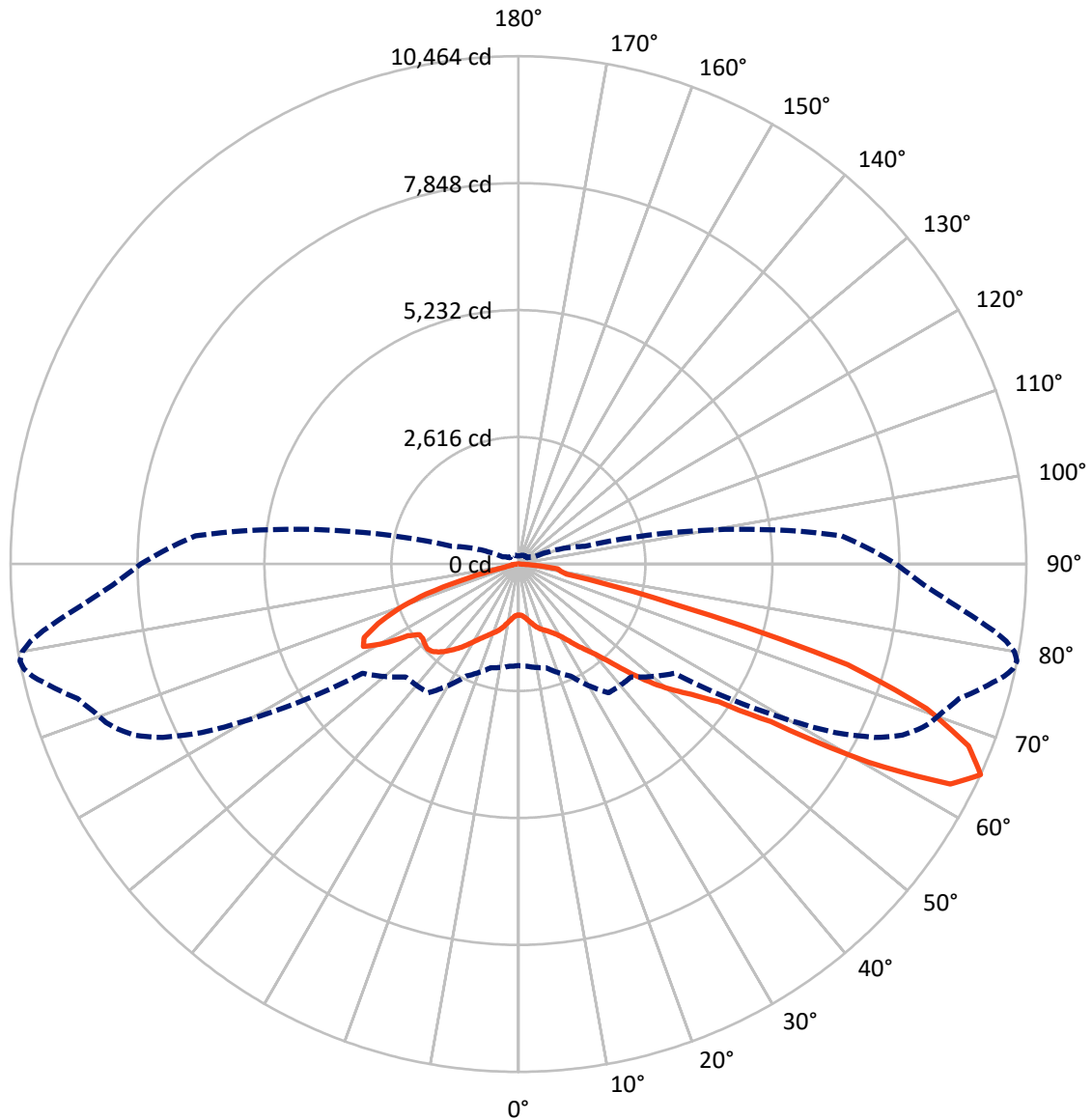
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: AVM-F04-LED-E-U-SL2

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2384.8 | 0.0 | 2384.8 |
| | % Fixture | 23.6 | 0.0 | 23.6 |
| Street Side | Lumens | 7703.4 | 0.0 | 7703.4 |
| | % Fixture | 76.4 | 0.0 | 76.4 |
| Total | Lumens | 10088.2 | 0.0 | 10088.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 104.4 | 1.0 |
| 10°-20° | 341.3 | 3.4 |
| 20°-30° | 589.5 | 5.8 |
| 30°-40° | 975.8 | 9.7 |
| 40°-50° | 1655.0 | 16.4 |
| 50°-60° | 2199.0 | 21.8 |
| 60°-70° | 2840.5 | 28.2 |
| 70°-80° | 1191.3 | 11.8 |
| 80°-90° | 191.4 | 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°-90° | 10088.2 | 100.0 |
| 0°-180° | 10088.2 | 100.0 |



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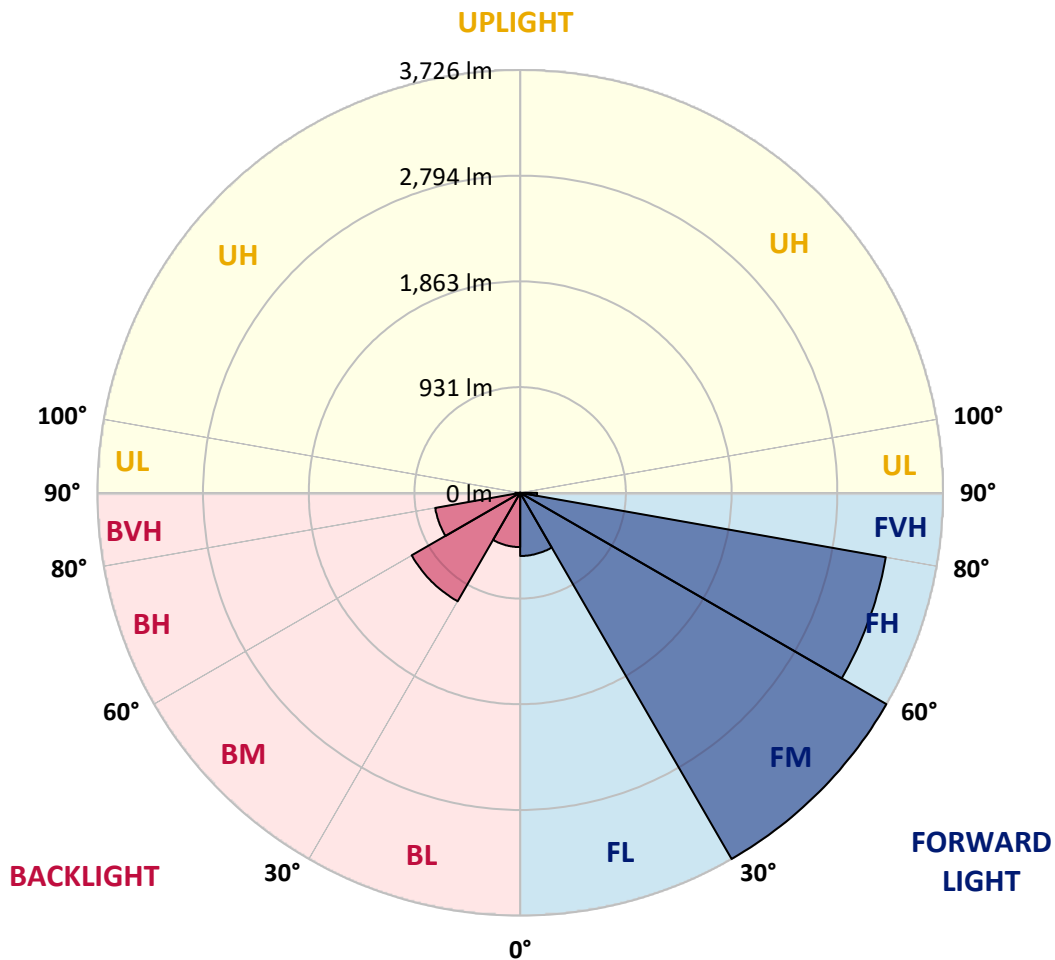
CATALOG NUMBER: AVM-F04-LED-E-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 556.6 | 5.5 | | | |
| FM (30°-60°) | 3725.9 | 36.9 | | | |
| FH (60°-80°) | 3271.2 | 32.4 | | | G2/5000 |
| FVH (80°-90°) | 149.6 | 1.5 | | | G2/225 |
| BL (0°-30°) | 478.6 | 4.7 | B1/500 | | |
| BM (30°-60°) | 1103.9 | 10.9 | B2/2500 | | |
| BH (60°-80°) | 760.6 | 7.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 41.7 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type II Short





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CATALOG NUMBER: AVM-F04-LED-E-U-SL2

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 |
| 2.5° | 1046.8 | 1050.1 | 1047.9 | 1050.1 | 1052.3 | 1053.4 | 1055.6 | 1054.5 | 1054.5 | 1055.6 | 1053.4 |
| 5° | 1046.8 | 1046.8 | 1050.1 | 1055.6 | 1057.8 | 1064.4 | 1072.1 | 1071.0 | 1072.1 | 1071.0 | 1073.2 |
| 7.5° | 1068.8 | 1067.7 | 1071.0 | 1077.6 | 1079.8 | 1089.7 | 1102.9 | 1105.1 | 1107.3 | 1107.3 | 1110.6 |
| 10° | 1107.3 | 1106.2 | 1109.5 | 1112.8 | 1116.1 | 1123.8 | 1142.5 | 1150.2 | 1151.3 | 1152.4 | 1156.8 |
| 12.5° | 1155.7 | 1154.6 | 1150.2 | 1150.2 | 1149.1 | 1163.4 | 1188.8 | 1203.1 | 1205.3 | 1209.7 | 1213.0 |
| 15° | 1189.9 | 1186.6 | 1180.0 | 1175.5 | 1181.1 | 1204.2 | 1241.6 | 1258.1 | 1260.3 | 1263.6 | 1272.4 |
| 17.5° | 1222.9 | 1219.6 | 1205.3 | 1194.3 | 1202.0 | 1239.4 | 1290.0 | 1307.6 | 1312.0 | 1315.3 | 1325.2 |
| 20° | 1269.1 | 1266.9 | 1246.0 | 1219.6 | 1217.4 | 1265.8 | 1327.4 | 1350.6 | 1353.9 | 1358.3 | 1368.2 |
| 22.5° | 1339.6 | 1329.6 | 1305.4 | 1255.9 | 1231.7 | 1281.2 | 1353.9 | 1385.8 | 1390.2 | 1394.6 | 1407.8 |
| 25° | 1427.6 | 1423.2 | 1381.4 | 1305.4 | 1254.8 | 1296.6 | 1382.5 | 1422.1 | 1428.7 | 1434.2 | 1451.8 |
| 27.5° | 1519.0 | 1512.4 | 1467.2 | 1368.2 | 1295.5 | 1327.4 | 1427.6 | 1472.7 | 1481.5 | 1490.3 | 1506.9 |
| 30° | 1600.4 | 1598.2 | 1560.8 | 1452.9 | 1361.6 | 1385.8 | 1500.3 | 1555.3 | 1565.2 | 1576.2 | 1591.6 |
| 32.5° | 1791.9 | 1793.0 | 1754.5 | 1644.4 | 1521.2 | 1491.4 | 1604.8 | 1687.4 | 1691.8 | 1705.0 | 1732.5 |
| 35° | 2158.5 | 2162.9 | 2148.6 | 2061.6 | 1922.9 | 1800.7 | 1811.8 | 1893.2 | 1897.6 | 1908.6 | 1935.0 |
| 37.5° | 2403.9 | 2412.7 | 2456.8 | 2484.3 | 2413.8 | 2357.7 | 2217.9 | 2186.0 | 2189.3 | 2182.7 | 2177.2 |
| 40° | 2539.3 | 2552.5 | 2668.1 | 2811.2 | 2888.2 | 2889.3 | 2828.8 | 2687.9 | 2634.0 | 2618.6 | 2552.5 |
| 42.5° | 2616.4 | 2638.4 | 2802.4 | 3046.7 | 3268.0 | 3419.9 | 3457.3 | 3301.0 | 3261.4 | 3190.9 | 3064.3 |
| 45° | 2667.0 | 2693.4 | 2887.1 | 3221.7 | 3547.6 | 3806.2 | 4001.0 | 3931.7 | 3905.3 | 3862.4 | 3745.7 |
| 47.5° | 2658.2 | 2679.1 | 2880.5 | 3281.2 | 3693.9 | 4061.6 | 4407.2 | 4478.7 | 4446.8 | 4435.8 | 4356.6 |
| 50° | 2497.5 | 2516.2 | 2720.9 | 3133.7 | 3613.6 | 4158.4 | 4664.8 | 4867.3 | 4867.3 | 4888.2 | 4864.0 |
| 52.5° | 2325.8 | 2341.2 | 2527.2 | 2898.1 | 3353.8 | 4063.8 | 4807.9 | 5143.6 | 5187.6 | 5223.9 | 5281.2 |
| 55° | 2260.8 | 2279.5 | 2420.4 | 2737.4 | 3132.6 | 3793.0 | 4856.3 | 5350.5 | 5432.0 | 5493.6 | 5623.5 |
| 57.5° | 2291.7 | 2310.4 | 2410.5 | 2650.5 | 3002.7 | 3516.7 | 4858.5 | 5629.0 | 5786.4 | 5913.0 | 6176.0 |
| 60° | 2424.8 | 2442.5 | 2526.1 | 2730.8 | 2968.6 | 3357.1 | 4764.9 | 6072.6 | 6323.5 | 6561.3 | 6999.4 |
| 62.5° | 2363.2 | 2385.2 | 2507.4 | 2864.0 | 3222.8 | 3236.1 | 4427.0 | 6416.0 | 6819.9 | 7171.1 | 7867.8 |
| 65° | 2093.5 | 2116.6 | 2212.4 | 2545.9 | 3238.3 | 3288.9 | 3926.2 | 6422.6 | 6924.5 | 7398.9 | 8150.7 |
| 67.5° | 1589.4 | 1598.2 | 1674.2 | 1941.6 | 2589.9 | 3347.2 | 3411.1 | 5662.0 | 6139.7 | 6669.1 | 7445.1 |
| 70° | 812.3 | 827.7 | 849.7 | 1072.1 | 1667.6 | 2766.1 | 2931.2 | 4172.8 | 4781.4 | 5328.5 | 6260.8 |
| 72.5° | 281.8 | 287.3 | 309.3 | 409.5 | 812.3 | 1815.1 | 2565.7 | 2859.6 | 3227.3 | 3739.1 | 4818.9 |
| 75° | 169.5 | 169.5 | 177.2 | 206.9 | 370.9 | 945.5 | 2282.9 | 2335.7 | 2385.2 | 2556.9 | 3263.6 |
| 77.5° | 134.3 | 136.5 | 136.5 | 142.0 | 205.8 | 485.4 | 1733.6 | 2171.7 | 2178.3 | 2194.8 | 2313.7 |
| 80° | 95.8 | 100.2 | 109.0 | 113.4 | 133.2 | 266.4 | 973.0 | 1906.4 | 2036.3 | 2099.0 | 2186.0 |
| 82.5° | 71.5 | 75.9 | 92.5 | 98.0 | 103.5 | 148.6 | 437.0 | 1315.3 | 1552.0 | 1677.5 | 1983.5 |
| 85° | 31.9 | 37.4 | 62.7 | 69.3 | 72.6 | 79.3 | 204.7 | 374.2 | 430.4 | 483.2 | 637.3 |
| 87.5° | 5.5 | 5.5 | 9.9 | 14.3 | 20.9 | 19.8 | 45.1 | 63.8 | 64.9 | 75.9 | 84.8 |
| 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-F04-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 |
| 2.5° | 1053.4 | 1053.4 | 1053.4 | 1052.3 | 1053.4 | 1053.4 | 1053.4 | 1053.4 | 1054.5 | 1054.5 | 1054.5 |
| 5° | 1076.5 | 1074.3 | 1075.4 | 1075.4 | 1075.4 | 1074.3 | 1076.5 | 1075.4 | 1076.5 | 1079.8 | 1078.7 |
| 7.5° | 1110.6 | 1112.8 | 1113.9 | 1115.0 | 1115.0 | 1115.0 | 1116.1 | 1118.3 | 1118.3 | 1121.6 | 1120.5 |
| 10° | 1161.2 | 1160.1 | 1161.2 | 1164.5 | 1167.8 | 1168.9 | 1172.2 | 1171.1 | 1173.3 | 1177.7 | 1182.2 |
| 12.5° | 1215.2 | 1217.4 | 1220.7 | 1224.0 | 1229.5 | 1230.6 | 1233.9 | 1235.0 | 1241.6 | 1241.6 | 1246.0 |
| 15° | 1275.7 | 1276.8 | 1283.4 | 1284.5 | 1291.1 | 1293.3 | 1298.8 | 1301.0 | 1308.7 | 1309.8 | 1314.2 |
| 17.5° | 1330.7 | 1332.9 | 1336.2 | 1339.6 | 1347.3 | 1350.6 | 1355.0 | 1359.4 | 1366.0 | 1368.2 | 1375.9 |
| 20° | 1374.8 | 1379.2 | 1380.3 | 1386.9 | 1393.5 | 1397.9 | 1402.3 | 1406.7 | 1413.3 | 1416.6 | 1424.3 |
| 22.5° | 1414.4 | 1418.8 | 1422.1 | 1427.6 | 1432.0 | 1438.6 | 1440.8 | 1448.5 | 1455.1 | 1460.6 | 1467.2 |
| 25° | 1457.3 | 1463.9 | 1467.2 | 1477.1 | 1480.4 | 1487.0 | 1492.5 | 1500.3 | 1509.1 | 1515.7 | 1524.5 |
| 27.5° | 1517.9 | 1527.8 | 1532.2 | 1543.2 | 1550.9 | 1554.2 | 1563.0 | 1574.0 | 1581.7 | 1589.4 | 1598.2 |
| 30° | 1601.5 | 1620.2 | 1623.5 | 1631.2 | 1645.5 | 1647.7 | 1658.8 | 1667.6 | 1679.7 | 1687.4 | 1695.1 |
| 32.5° | 1731.4 | 1754.5 | 1756.7 | 1765.5 | 1777.6 | 1782.0 | 1790.8 | 1800.7 | 1819.5 | 1822.8 | 1834.9 |
| 35° | 1930.6 | 1940.5 | 1949.3 | 1952.6 | 1962.5 | 1968.1 | 1974.7 | 1985.7 | 2004.4 | 2002.2 | 2015.4 |
| 37.5° | 2169.5 | 2172.8 | 2173.9 | 2162.9 | 2165.1 | 2155.2 | 2167.3 | 2169.5 | 2176.1 | 2181.6 | 2194.8 |
| 40° | 2510.7 | 2476.6 | 2472.2 | 2445.8 | 2419.3 | 2405.0 | 2399.5 | 2377.5 | 2383.0 | 2385.2 | 2396.2 |
| 42.5° | 3009.3 | 2943.3 | 2888.2 | 2850.8 | 2785.9 | 2754.0 | 2711.0 | 2676.9 | 2650.5 | 2660.4 | 2664.8 |
| 45° | 3641.1 | 3546.5 | 3458.4 | 3343.9 | 3259.2 | 3198.6 | 3122.7 | 3054.4 | 3023.6 | 3009.3 | 3026.9 |
| 47.5° | 4271.8 | 4188.2 | 4084.7 | 3966.9 | 3832.6 | 3732.5 | 3605.9 | 3494.7 | 3417.7 | 3389.1 | 3404.5 |
| 50° | 4816.7 | 4739.6 | 4661.5 | 4592.1 | 4435.8 | 4326.9 | 4154.0 | 4009.8 | 3888.8 | 3827.1 | 3810.6 |
| 52.5° | 5269.1 | 5228.3 | 5186.5 | 5128.2 | 5002.7 | 4893.7 | 4756.1 | 4614.1 | 4453.4 | 4328.0 | 4285.0 |
| 55° | 5673.0 | 5697.2 | 5676.3 | 5677.4 | 5627.9 | 5558.5 | 5441.9 | 5336.2 | 5223.9 | 5081.9 | 5022.5 |
| 57.5° | 6261.9 | 6405.0 | 6433.6 | 6505.1 | 6540.4 | 6577.8 | 6610.8 | 6548.1 | 6519.4 | 6413.8 | 6414.9 |
| 60° | 7189.8 | 7398.9 | 7580.5 | 7745.6 | 7881.0 | 8013.1 | 8151.8 | 8213.4 | 8281.7 | 8313.6 | 8422.6 |
| 62.5° | 8177.1 | 8376.3 | 8647.1 | 8868.3 | 8992.7 | 9164.4 | 9315.2 | 9413.2 | 9533.2 | 9660.8 | 9827.0 |
| 65° | 8421.5 | 8661.4 | 8832.0 | 8979.5 | 9102.8 | 9194.1 | 9276.7 | 9393.4 | 9493.5 | 9696.1 | 9892.0 |
| 67.5° | 7795.2 | 7986.7 | 8143.0 | 8288.3 | 8384.0 | 8461.1 | 8534.8 | 8611.9 | 8783.6 | 8967.4 | 9164.4 |
| 70° | 6691.2 | 6922.3 | 7181.0 | 7369.2 | 7416.5 | 7482.6 | 7553.0 | 7653.2 | 7739.0 | 7931.6 | 8081.3 |
| 72.5° | 5375.8 | 5708.2 | 5927.3 | 6188.1 | 6244.3 | 6344.4 | 6384.1 | 6462.2 | 6477.6 | 6582.2 | 6621.8 |
| 75° | 3746.8 | 4127.6 | 4347.8 | 4539.3 | 4576.7 | 4521.7 | 4543.7 | 4267.4 | 4197.0 | 4139.7 | 4093.5 |
| 77.5° | 2473.3 | 2575.6 | 2610.9 | 2580.0 | 2432.5 | 2317.0 | 2193.7 | 2072.6 | 2085.8 | 1987.9 | 1816.2 |
| 80° | 2199.2 | 2222.3 | 2190.4 | 2159.6 | 2074.8 | 1953.7 | 1842.6 | 1729.2 | 1673.1 | 1613.6 | 1525.6 |
| 82.5° | 2139.8 | 2228.9 | 2238.8 | 2201.4 | 2134.3 | 2002.2 | 1867.9 | 1699.5 | 1556.4 | 1424.3 | 1290.0 |
| 85° | 715.5 | 870.7 | 940.0 | 1004.9 | 1024.8 | 1047.9 | 968.6 | 860.7 | 730.9 | 643.9 | 504.1 |
| 87.5° | 91.4 | 113.4 | 131.0 | 112.3 | 131.0 | 154.1 | 111.2 | 124.4 | 125.5 | 78.1 | 58.3 |
| 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-F04-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0° | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 |
| 2.5° | 1055.6 | 1054.5 | 1054.5 | 1054.5 | 1053.4 | 1054.5 | 1054.5 | 1054.5 | 1054.5 | 1054.5 | 1053.4 |
| 5° | 1079.8 | 1079.8 | 1083.1 | 1084.2 | 1082.0 | 1080.9 | 1082.0 | 1083.1 | 1083.1 | 1082.0 | 1083.1 |
| 7.5° | 1124.9 | 1126.0 | 1128.2 | 1131.5 | 1129.3 | 1130.4 | 1131.5 | 1130.4 | 1133.7 | 1134.8 | 1133.7 |
| 10° | 1182.2 | 1184.4 | 1189.9 | 1191.0 | 1189.9 | 1194.3 | 1195.4 | 1193.2 | 1195.4 | 1195.4 | 1199.8 |
| 12.5° | 1248.2 | 1250.4 | 1257.0 | 1259.2 | 1261.4 | 1262.5 | 1265.8 | 1266.9 | 1270.2 | 1272.4 | 1275.7 |
| 15° | 1319.7 | 1321.9 | 1326.3 | 1334.0 | 1336.2 | 1338.5 | 1340.7 | 1347.3 | 1348.4 | 1352.8 | 1356.1 |
| 17.5° | 1380.3 | 1383.6 | 1390.2 | 1395.7 | 1399.0 | 1404.5 | 1406.7 | 1414.4 | 1416.6 | 1423.2 | 1428.7 |
| 20° | 1428.7 | 1434.2 | 1439.7 | 1446.3 | 1451.8 | 1458.4 | 1460.6 | 1468.3 | 1472.7 | 1476.0 | 1482.6 |
| 22.5° | 1472.7 | 1479.3 | 1487.0 | 1494.8 | 1499.2 | 1508.0 | 1511.3 | 1514.6 | 1524.5 | 1528.9 | 1535.5 |
| 25° | 1530.0 | 1536.6 | 1545.4 | 1555.3 | 1559.7 | 1570.7 | 1574.0 | 1579.5 | 1590.5 | 1594.9 | 1604.8 |
| 27.5° | 1608.1 | 1616.9 | 1623.5 | 1633.4 | 1638.9 | 1646.6 | 1654.4 | 1661.0 | 1670.9 | 1677.5 | 1688.5 |
| 30° | 1706.1 | 1712.7 | 1723.7 | 1731.4 | 1740.2 | 1751.2 | 1760.0 | 1766.6 | 1772.1 | 1782.0 | 1794.1 |
| 32.5° | 1850.3 | 1851.4 | 1854.7 | 1873.4 | 1882.2 | 1891.0 | 1903.1 | 1908.6 | 1917.4 | 1927.3 | 1940.5 |
| 35° | 2029.7 | 2039.6 | 2047.3 | 2056.1 | 2066.0 | 2075.9 | 2080.3 | 2096.8 | 2104.5 | 2117.7 | 2131.0 |
| 37.5° | 2208.0 | 2209.1 | 2226.7 | 2232.2 | 2241.0 | 2250.9 | 2266.3 | 2282.9 | 2302.7 | 2315.9 | 2336.8 |
| 40° | 2399.5 | 2408.3 | 2430.3 | 2441.4 | 2452.4 | 2476.6 | 2488.7 | 2515.1 | 2548.1 | 2566.8 | 2602.1 |
| 42.5° | 2676.9 | 2690.1 | 2729.7 | 2747.3 | 2773.8 | 2813.4 | 2838.7 | 2875.0 | 2888.2 | 2933.4 | 2949.9 |
| 45° | 3040.1 | 3080.9 | 3138.1 | 3175.5 | 3222.8 | 3265.8 | 3287.8 | 3304.3 | 3324.1 | 3359.3 | 3354.9 |
| 47.5° | 3433.1 | 3485.9 | 3549.8 | 3626.8 | 3657.6 | 3708.3 | 3736.9 | 3768.8 | 3751.2 | 3742.4 | 3733.6 |
| 50° | 3835.9 | 3897.6 | 3982.3 | 4051.7 | 4099.0 | 4129.8 | 4154.0 | 4149.6 | 4112.2 | 4092.4 | 4037.4 |
| 52.5° | 4283.9 | 4320.2 | 4400.6 | 4460.0 | 4488.7 | 4495.3 | 4489.8 | 4456.7 | 4421.5 | 4358.8 | 4293.8 |
| 55° | 4970.8 | 4954.3 | 4986.2 | 5013.7 | 5004.9 | 5035.7 | 4956.5 | 4925.6 | 4838.7 | 4757.2 | 4670.3 |
| 57.5° | 6366.4 | 6388.5 | 6210.1 | 6129.8 | 6115.5 | 6144.1 | 6004.3 | 5986.7 | 5776.5 | 5750.1 | 5603.7 |
| 60° | 8407.1 | 8515.0 | 8375.2 | 8297.1 | 8085.7 | 8016.4 | 7860.1 | 7795.2 | 7593.7 | 7430.8 | 7225.0 |
| 62.5° | 9941.5 | 10039.5 | 10097.8 | 9986.7 | 9863.4 | 9681.8 | 9445.1 | 9183.1 | 8969.6 | 8719.7 | 8501.8 |
| 65° | 10080.2 | 10278.3 | 10412.6 | 10464.4 | 10377.4 | 10178.2 | 9886.5 | 9556.3 | 9229.4 | 8915.7 | 8640.5 |
| 67.5° | 9431.9 | 9609.1 | 9817.1 | 10003.2 | 10014.2 | 9884.3 | 9635.5 | 9299.8 | 8922.3 | 8534.8 | 8212.3 |
| 70° | 8318.0 | 8540.3 | 8721.9 | 8917.9 | 9054.4 | 8979.5 | 8855.1 | 8546.9 | 8155.1 | 7853.5 | 7482.6 |
| 72.5° | 6764.9 | 6858.5 | 6902.5 | 7095.1 | 7097.3 | 6960.8 | 6872.8 | 6702.2 | 6386.3 | 6172.7 | 5889.8 |
| 75° | 3950.4 | 3744.6 | 3525.5 | 3335.1 | 3179.9 | 3115.0 | 2826.6 | 2778.2 | 2584.4 | 2464.5 | 2288.4 |
| 77.5° | 1629.0 | 1445.2 | 1208.6 | 1011.5 | 816.7 | 728.7 | 601.0 | 544.8 | 472.2 | 440.3 | 419.4 |
| 80° | 1396.8 | 1222.9 | 1044.6 | 874.0 | 722.1 | 570.2 | 443.6 | 344.5 | 270.8 | 230.0 | 213.5 |
| 82.5° | 1140.3 | 1035.8 | 911.4 | 818.9 | 700.0 | 586.7 | 495.3 | 384.1 | 287.3 | 211.3 | 161.8 |
| 85° | 411.7 | 337.9 | 271.9 | 249.9 | 199.2 | 164.0 | 137.6 | 117.8 | 96.9 | 77.0 | 68.2 |
| 87.5° | 46.2 | 44.0 | 25.3 | 24.2 | 27.5 | 19.8 | 23.1 | 20.9 | 17.6 | 15.4 | 16.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P150285

CATALOG NUMBER: AVM-F04-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 | 1050.1 |
| 2.5° | 1053.4 | 1053.4 | 1054.5 | 1054.5 | 1055.6 | 1056.7 | 1058.9 | 1057.8 | 1057.8 | 1058.9 | 1058.9 |
| 5° | 1083.1 | 1086.4 | 1085.3 | 1085.3 | 1085.3 | 1086.4 | 1087.5 | 1083.1 | 1078.7 | 1074.3 | 1072.1 |
| 7.5° | 1134.8 | 1137.0 | 1139.2 | 1137.0 | 1139.2 | 1138.1 | 1135.9 | 1123.8 | 1109.5 | 1091.9 | 1079.8 |
| 10° | 1202.0 | 1202.0 | 1204.2 | 1203.1 | 1207.5 | 1204.2 | 1197.6 | 1170.0 | 1139.2 | 1101.8 | 1074.3 |
| 12.5° | 1274.6 | 1282.3 | 1279.0 | 1280.1 | 1288.9 | 1280.1 | 1264.7 | 1224.0 | 1168.9 | 1108.4 | 1060.0 |
| 15° | 1360.5 | 1363.8 | 1366.0 | 1362.7 | 1368.2 | 1360.5 | 1332.9 | 1268.0 | 1187.7 | 1102.9 | 1031.4 |
| 17.5° | 1430.9 | 1432.0 | 1433.1 | 1435.3 | 1443.0 | 1434.2 | 1386.9 | 1298.8 | 1192.1 | 1077.6 | 982.9 |
| 20° | 1485.9 | 1491.4 | 1495.9 | 1495.9 | 1506.9 | 1493.6 | 1430.9 | 1314.2 | 1177.7 | 1035.8 | 921.3 |
| 22.5° | 1543.2 | 1547.6 | 1553.1 | 1554.2 | 1568.5 | 1555.3 | 1467.2 | 1310.9 | 1140.3 | 976.3 | 849.7 |
| 25° | 1613.6 | 1618.0 | 1622.4 | 1627.9 | 1647.7 | 1629.0 | 1503.6 | 1297.7 | 1088.6 | 905.9 | 772.7 |
| 27.5° | 1695.1 | 1705.0 | 1708.3 | 1717.1 | 1740.2 | 1711.6 | 1534.4 | 1277.9 | 1031.4 | 824.4 | 691.2 |
| 30° | 1804.0 | 1816.2 | 1820.6 | 1832.7 | 1864.6 | 1801.8 | 1552.0 | 1243.8 | 958.7 | 741.9 | 604.3 |
| 32.5° | 1950.4 | 1967.0 | 1980.2 | 1993.4 | 2029.7 | 1892.1 | 1554.2 | 1194.3 | 874.0 | 649.4 | 520.6 |
| 35° | 2142.0 | 2167.3 | 2177.2 | 2186.0 | 2220.1 | 1990.1 | 1544.3 | 1120.5 | 770.5 | 554.8 | 454.6 |
| 37.5° | 2356.6 | 2381.9 | 2388.5 | 2392.9 | 2399.5 | 2073.7 | 1520.1 | 1008.2 | 653.8 | 472.2 | 401.8 |
| 40° | 2620.8 | 2642.8 | 2651.6 | 2645.0 | 2609.8 | 2138.7 | 1466.1 | 877.3 | 540.4 | 416.1 | 368.7 |
| 42.5° | 2943.3 | 2976.3 | 2979.6 | 2949.9 | 2833.2 | 2175.0 | 1358.3 | 723.2 | 451.3 | 375.3 | 343.4 |
| 45° | 3342.8 | 3340.6 | 3321.9 | 3301.0 | 3076.5 | 2160.7 | 1207.5 | 588.9 | 395.2 | 343.4 | 320.3 |
| 47.5° | 3701.7 | 3664.2 | 3635.6 | 3574.0 | 3291.1 | 2077.0 | 1012.6 | 487.6 | 361.0 | 319.2 | 300.5 |
| 50° | 3995.5 | 3927.3 | 3866.8 | 3799.6 | 3450.7 | 1928.4 | 818.9 | 413.9 | 329.1 | 298.3 | 281.8 |
| 52.5° | 4227.8 | 4145.2 | 4074.8 | 4008.7 | 3604.8 | 1763.3 | 671.4 | 359.9 | 298.3 | 277.4 | 260.9 |
| 55° | 4591.0 | 4508.5 | 4396.2 | 4323.5 | 3840.3 | 1611.4 | 575.7 | 317.0 | 268.6 | 255.4 | 238.9 |
| 57.5° | 5510.1 | 5437.5 | 5303.2 | 5115.0 | 4445.7 | 1554.2 | 521.7 | 284.0 | 244.4 | 236.7 | 223.4 |
| 60° | 7114.9 | 6997.1 | 6822.1 | 6630.6 | 5676.3 | 1592.7 | 478.8 | 260.9 | 227.8 | 221.2 | 211.3 |
| 62.5° | 8325.7 | 8118.8 | 7920.6 | 7743.4 | 6660.3 | 1591.6 | 422.7 | 243.3 | 215.7 | 212.4 | 202.5 |
| 65° | 8375.2 | 8165.0 | 7965.8 | 7779.7 | 6682.3 | 1416.6 | 356.6 | 227.8 | 213.5 | 212.4 | 195.9 |
| 67.5° | 7930.5 | 7702.7 | 7510.1 | 7275.6 | 6185.9 | 1107.3 | 286.2 | 217.9 | 222.3 | 220.1 | 193.7 |
| 70° | 7204.1 | 6906.9 | 6748.4 | 6517.2 | 5444.1 | 774.9 | 235.5 | 221.2 | 241.1 | 234.4 | 197.0 |
| 72.5° | 5654.3 | 5429.8 | 5188.7 | 5028.0 | 4261.9 | 489.8 | 198.1 | 223.4 | 248.8 | 237.8 | 205.8 |
| 75° | 2104.5 | 2165.1 | 2066.0 | 2030.8 | 2165.1 | 287.3 | 176.1 | 208.0 | 222.3 | 205.8 | 187.1 |
| 77.5° | 424.9 | 406.2 | 385.2 | 380.8 | 492.0 | 177.2 | 161.8 | 180.5 | 170.6 | 150.8 | 151.9 |
| 80° | 203.6 | 198.1 | 191.5 | 190.4 | 182.7 | 147.5 | 149.7 | 154.1 | 128.8 | 116.7 | 124.4 |
| 82.5° | 135.4 | 127.7 | 125.5 | 121.1 | 123.3 | 132.1 | 142.0 | 132.1 | 99.1 | 92.5 | 112.3 |
| 85° | 62.7 | 60.5 | 59.4 | 59.4 | 66.0 | 118.9 | 117.8 | 96.9 | 68.2 | 66.0 | 112.3 |
| 87.5° | 15.4 | 15.4 | 16.5 | 15.4 | 17.6 | 35.2 | 30.8 | 29.7 | 25.3 | 28.6 | 52.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P150285

CATALOG NUMBER: AVM-F04-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|--------|--------|--------|
| 0° | 1050.1 | 1050.1 | 1050.1 |
| 2.5° | 1057.8 | 1058.9 | 1057.8 |
| 5° | 1067.7 | 1067.7 | 1067.7 |
| 7.5° | 1067.7 | 1064.4 | 1063.3 |
| 10° | 1052.3 | 1042.4 | 1042.4 |
| 12.5° | 1025.9 | 1009.3 | 1007.1 |
| 15° | 976.3 | 954.3 | 951.0 |
| 17.5° | 913.6 | 883.9 | 878.4 |
| 20° | 843.1 | 805.7 | 799.1 |
| 22.5° | 766.1 | 723.2 | 719.9 |
| 25° | 690.1 | 646.1 | 637.3 |
| 27.5° | 605.4 | 562.5 | 558.1 |
| 30° | 520.6 | 483.2 | 481.0 |
| 32.5° | 449.1 | 426.0 | 421.6 |
| 35° | 398.5 | 385.2 | 379.7 |
| 37.5° | 365.4 | 355.5 | 354.4 |
| 40° | 340.1 | 331.3 | 330.2 |
| 42.5° | 319.2 | 311.5 | 310.4 |
| 45° | 298.3 | 291.7 | 289.5 |
| 47.5° | 277.4 | 270.8 | 269.7 |
| 50° | 258.7 | 249.9 | 248.8 |
| 52.5° | 241.1 | 232.2 | 230.0 |
| 55° | 224.5 | 215.7 | 215.7 |
| 57.5° | 210.2 | 201.4 | 200.3 |
| 60° | 197.0 | 188.2 | 187.1 |
| 62.5° | 187.1 | 176.1 | 175.0 |
| 65° | 179.4 | 168.4 | 166.2 |
| 67.5° | 175.0 | 161.8 | 158.5 |
| 70° | 182.7 | 158.5 | 153.0 |
| 72.5° | 183.8 | 155.2 | 147.5 |
| 75° | 177.2 | 146.4 | 140.9 |
| 77.5° | 155.2 | 131.0 | 125.5 |
| 80° | 134.3 | 101.3 | 93.6 |
| 82.5° | 127.7 | 82.6 | 71.5 |
| 85° | 99.1 | 53.9 | 50.6 |
| 87.5° | 56.1 | 29.7 | 24.2 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)