

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: P129494

Luminaire Tested: **VERD-A018-E-U-T3-7030-AP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P129494  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25189)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-A018-E-U-T3-7030-AP  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K LED AT 80% STANDARD LUMENS AND TYPE III OPTICS, GREY  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4729 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type III - Medium - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 51  
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

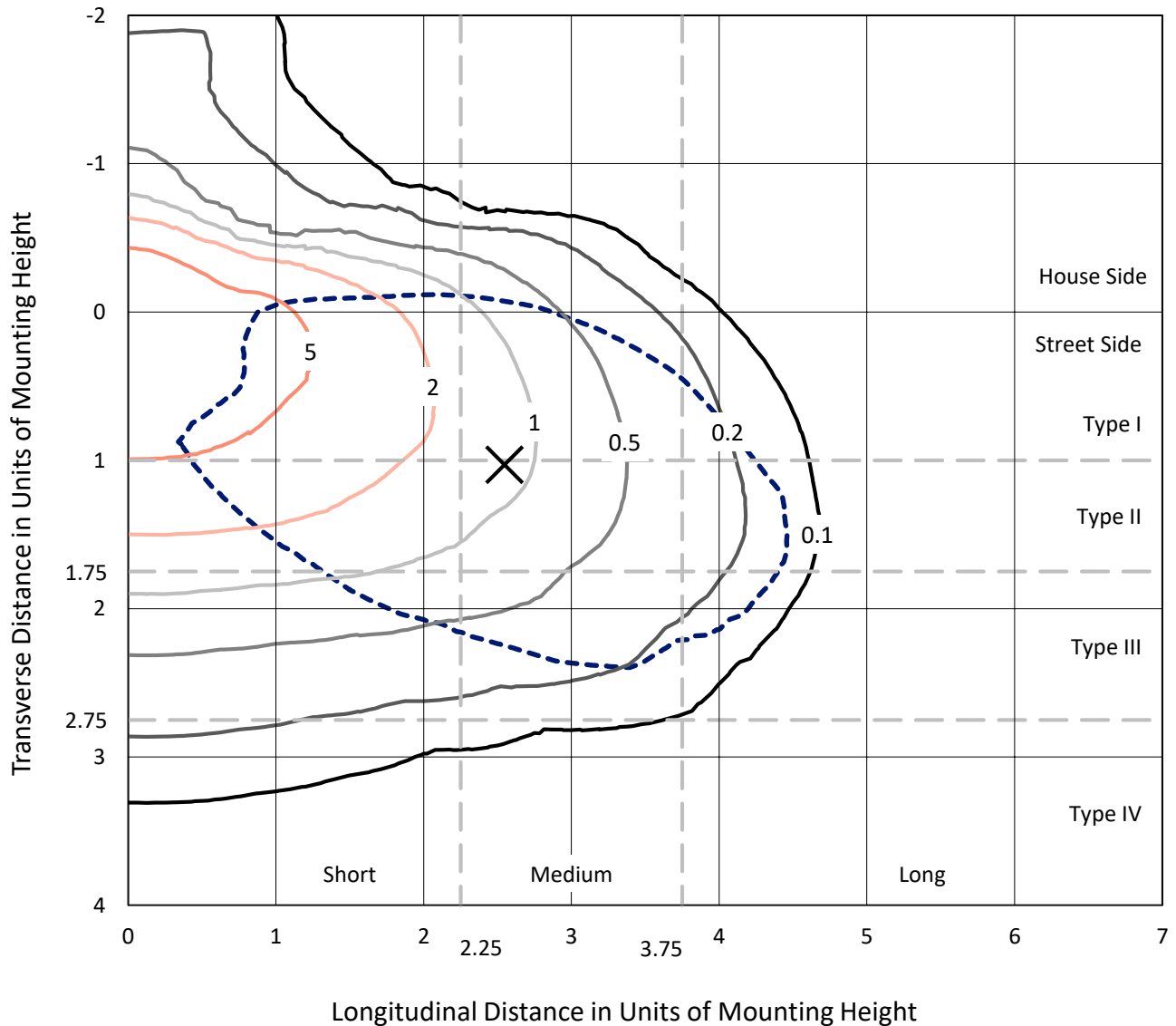


REPORT NUMBER: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

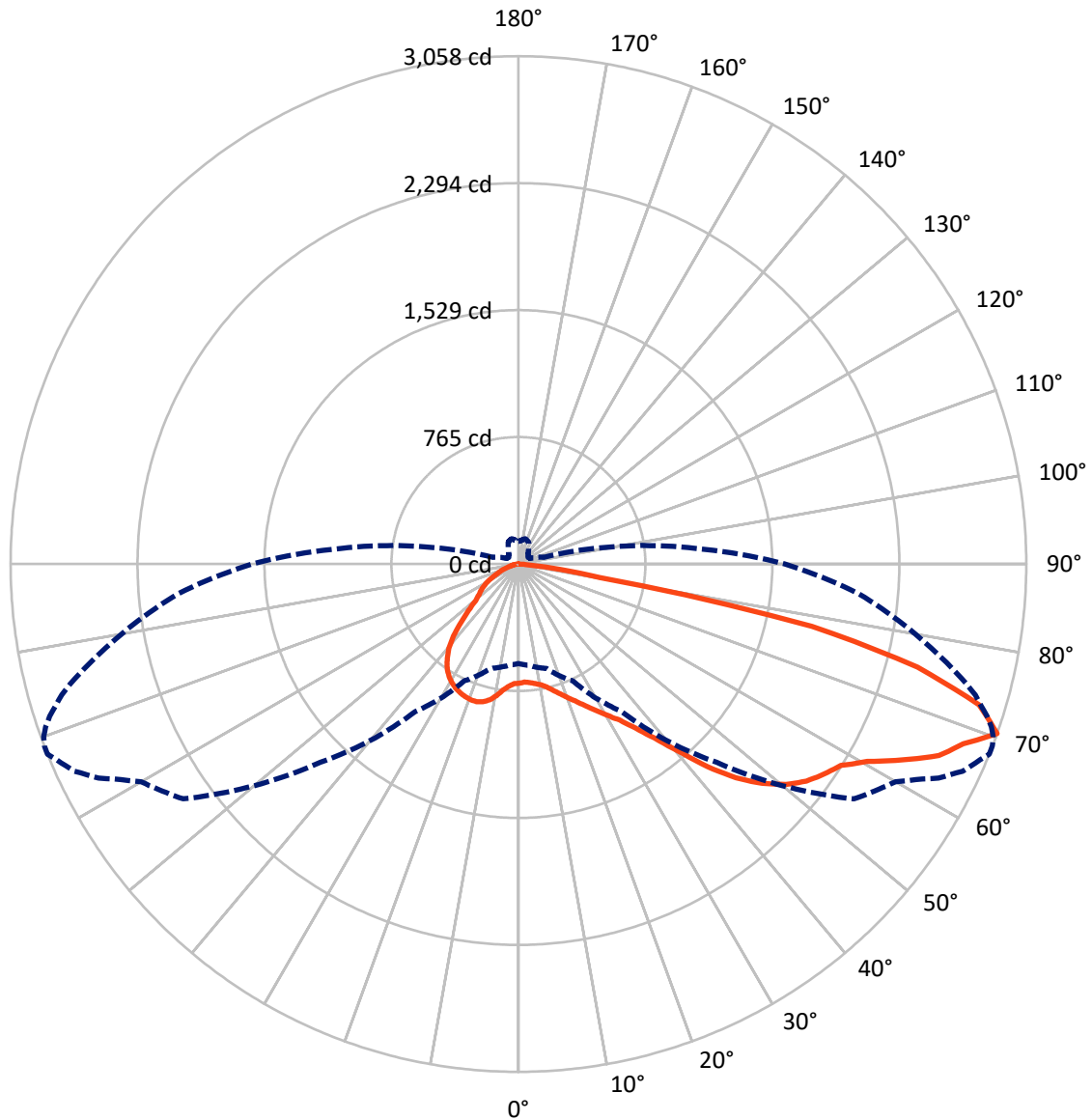


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

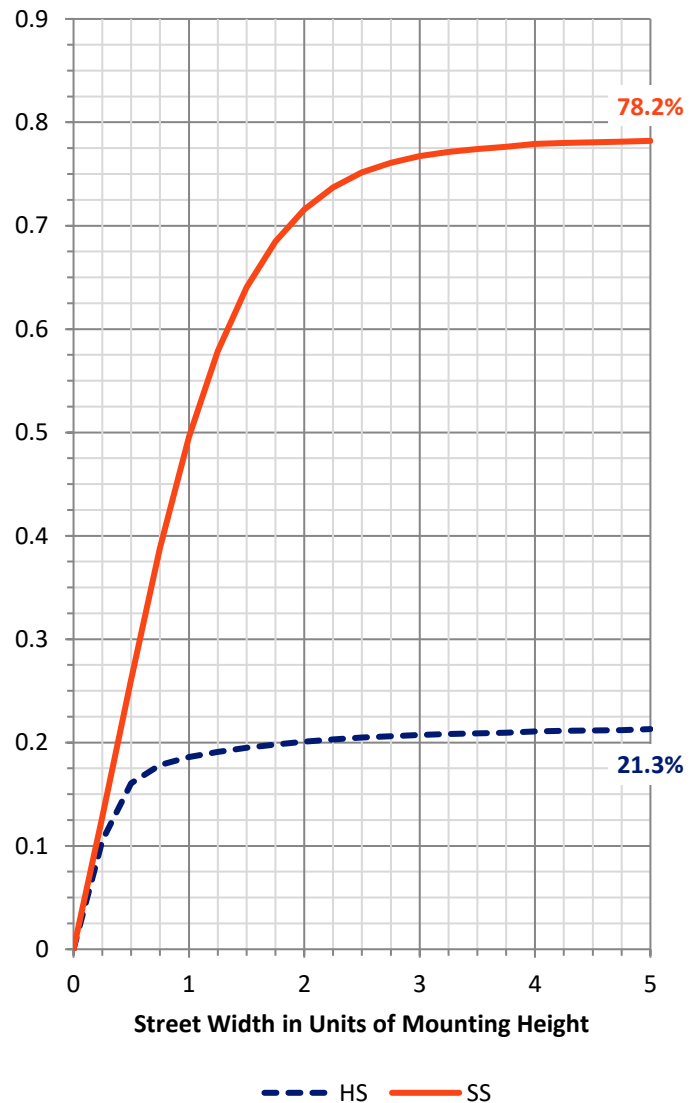
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1028.0   | 0.0    | 1028.0 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 3701.0   | 0.0    | 3701.0 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 4729.0   | 0.0    | 4729.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.1   | 1.5       |
| 10°-20°   | 238.5  | 5.0       |
| 20°-30°   | 402.4  | 8.5       |
| 30°-40°   | 571.8  | 12.1      |
| 40°-50°   | 784.7  | 16.6      |
| 50°-60°   | 946.7  | 20.0      |
| 60°-70°   | 1020.9 | 21.6      |
| 70°-80°   | 638.0  | 13.5      |
| 80°-90°   | 52.8   | 1.1       |
| 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°    | 4729.0 | 100.0     |
| 0°-180°   | 4729.0 | 100.0     |



REPORT NUMBER: P129494

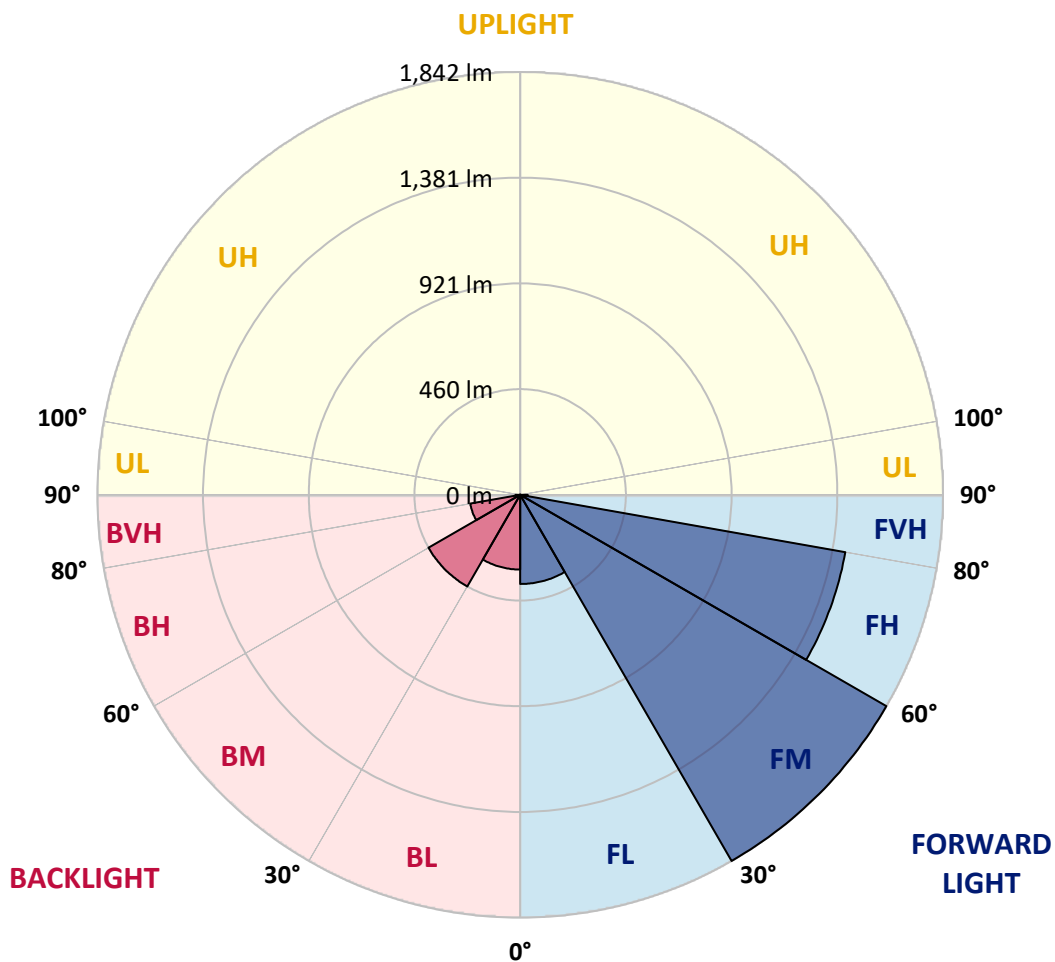
CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 388.4  | 8.2       |                         |      |         |
| FM   | (30°-60°)   | 1841.9 | 38.9      |                         |      |         |
| FH   | (60°-80°)   | 1438.2 | 30.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 32.5   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 325.6  | 6.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 461.3  | 9.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 220.8  | 4.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 20.3   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Medium





REPORT NUMBER: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 63°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  |
| 2.5°  | 723.5  | 723.0  | 724.5  | 716.7  | 715.2  | 715.7  | 716.7  | 712.6  | 712.1  | 712.1  | 711.5  |
| 5°    | 735.4  | 734.4  | 736.0  | 728.2  | 724.5  | 723.5  | 724.0  | 719.8  | 719.3  | 718.8  | 717.8  |
| 7.5°  | 756.8  | 754.2  | 755.2  | 747.4  | 741.2  | 737.5  | 735.4  | 731.8  | 731.8  | 730.8  | 729.7  |
| 10°   | 779.6  | 779.1  | 779.1  | 770.8  | 763.5  | 756.8  | 749.0  | 745.8  | 746.4  | 745.3  | 744.8  |
| 12.5° | 807.7  | 807.7  | 809.2  | 800.4  | 797.3  | 787.9  | 773.4  | 770.3  | 769.2  | 768.2  | 766.6  |
| 15°   | 846.7  | 845.6  | 848.7  | 838.4  | 835.2  | 824.3  | 807.2  | 800.4  | 797.8  | 798.3  | 797.3  |
| 17.5° | 897.1  | 894.0  | 891.4  | 878.9  | 875.3  | 858.6  | 839.9  | 833.2  | 830.6  | 831.1  | 829.5  |
| 20°   | 949.6  | 949.1  | 943.9  | 924.6  | 916.3  | 894.5  | 876.8  | 865.9  | 864.3  | 861.7  | 861.7  |
| 22.5° | 1010.4 | 1012.5 | 1004.7 | 982.3  | 966.2  | 938.7  | 915.3  | 903.8  | 900.7  | 900.2  | 898.1  |
| 25°   | 1080.0 | 1080.6 | 1074.8 | 1053.0 | 1027.0 | 990.1  | 958.4  | 948.0  | 944.4  | 943.3  | 941.8  |
| 27.5° | 1154.9 | 1159.0 | 1150.2 | 1132.5 | 1098.7 | 1050.9 | 1006.7 | 999.5  | 998.4  | 995.3  | 993.8  |
| 30°   | 1233.9 | 1234.4 | 1228.7 | 1217.2 | 1178.8 | 1119.5 | 1059.8 | 1056.1 | 1057.2 | 1054.0 | 1052.0 |
| 32.5° | 1304.0 | 1306.1 | 1310.8 | 1302.5 | 1265.6 | 1199.1 | 1121.1 | 1123.7 | 1124.2 | 1122.1 | 1121.1 |
| 35°   | 1357.6 | 1362.3 | 1381.5 | 1388.8 | 1359.1 | 1293.1 | 1195.4 | 1206.9 | 1207.4 | 1201.1 | 1202.2 |
| 37.5° | 1409.0 | 1410.1 | 1433.5 | 1450.1 | 1440.2 | 1387.7 | 1293.6 | 1307.7 | 1308.7 | 1302.5 | 1300.9 |
| 40°   | 1442.8 | 1448.0 | 1475.6 | 1492.2 | 1503.6 | 1474.0 | 1397.6 | 1422.0 | 1425.7 | 1420.5 | 1428.8 |
| 42.5° | 1420.5 | 1422.5 | 1484.9 | 1532.7 | 1556.1 | 1565.5 | 1508.3 | 1560.8 | 1568.6 | 1566.5 | 1576.4 |
| 45°   | 1394.0 | 1395.0 | 1456.3 | 1547.8 | 1600.8 | 1653.3 | 1642.4 | 1721.4 | 1730.2 | 1729.2 | 1738.6 |
| 47.5° | 1356.0 | 1362.3 | 1427.7 | 1539.0 | 1641.9 | 1734.4 | 1793.6 | 1848.2 | 1856.5 | 1858.6 | 1869.5 |
| 50°   | 1315.5 | 1325.9 | 1400.2 | 1525.5 | 1676.2 | 1819.6 | 1898.6 | 1937.1 | 1947.0 | 1954.8 | 1969.3 |
| 52.5° | 1267.7 | 1277.0 | 1358.6 | 1501.0 | 1692.3 | 1911.6 | 1978.2 | 2019.2 | 2031.2 | 2039.5 | 2054.6 |
| 55°   | 1206.9 | 1218.3 | 1301.4 | 1459.4 | 1692.8 | 1965.2 | 2048.3 | 2084.7 | 2097.7 | 2110.2 | 2127.3 |
| 57.5° | 1140.8 | 1154.4 | 1234.9 | 1395.0 | 1673.6 | 1970.4 | 2091.5 | 2125.2 | 2138.8 | 2151.8 | 2170.5 |
| 60°   | 1061.8 | 1076.9 | 1159.0 | 1312.4 | 1629.9 | 1956.8 | 2108.1 | 2176.2 | 2206.8 | 2229.7 | 2261.4 |
| 62.5° | 978.7  | 989.6  | 1059.8 | 1221.4 | 1555.6 | 1962.6 | 2228.7 | 2338.9 | 2358.6 | 2390.3 | 2419.4 |
| 65°   | 874.2  | 886.7  | 945.4  | 1100.3 | 1432.4 | 1979.2 | 2395.0 | 2526.0 | 2558.7 | 2580.5 | 2614.3 |
| 67.5° | 751.6  | 763.5  | 807.7  | 960.5  | 1289.5 | 1892.9 | 2477.6 | 2608.1 | 2646.0 | 2685.5 | 2735.4 |
| 70°   | 599.3  | 611.2  | 650.7  | 777.5  | 1084.2 | 1688.1 | 2465.2 | 2622.6 | 2688.1 | 2756.2 | 2838.9 |
| 72.5° | 450.6  | 458.9  | 484.4  | 554.0  | 771.3  | 1368.0 | 2337.3 | 2523.4 | 2607.0 | 2677.7 | 2779.6 |
| 75°   | 302.5  | 307.2  | 340.4  | 388.8  | 452.2  | 888.2  | 1955.3 | 2104.5 | 2210.5 | 2271.3 | 2346.7 |
| 77.5° | 107.1  | 103.4  | 131.5  | 167.9  | 232.3  | 315.0  | 1244.8 | 1392.4 | 1529.1 | 1555.1 | 1568.1 |
| 80°   | 32.7   | 34.3   | 61.8   | 76.9   | 110.2  | 163.7  | 333.2  | 392.4  | 435.5  | 433.5  | 466.7  |
| 82.5° | 25.5   | 27.0   | 43.7   | 47.3   | 43.1   | 61.8   | 159.6  | 176.7  | 186.6  | 184.5  | 187.1  |
| 85°   | 15.6   | 16.6   | 20.3   | 19.8   | 19.8   | 27.5   | 54.6   | 41.1   | 47.8   | 43.7   | 46.3   |
| 87.5° | 8.8    | 8.8    | 8.8    | 8.8    | 7.3    | 6.2    | 11.4   | 5.7    | 5.7    | 5.2    | 5.2    |
| 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: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

**CANDELA DISTRIBUTION (continued):**

|       | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  | 717.8  |
| 2.5°  | 711.5  | 712.1  | 712.1  | 712.1  | 712.1  | 712.1  | 712.1  | 711.5  | 711.5  | 711.5  | 711.5  |
| 5°    | 717.3  | 717.3  | 717.3  | 717.3  | 717.3  | 717.3  | 716.7  | 716.2  | 715.7  | 715.7  | 715.7  |
| 7.5°  | 728.7  | 727.6  | 727.1  | 727.1  | 727.1  | 727.1  | 726.6  | 726.1  | 725.0  | 725.0  | 725.6  |
| 10°   | 743.2  | 742.2  | 741.7  | 739.6  | 739.1  | 738.6  | 738.6  | 738.0  | 737.5  | 738.0  | 738.6  |
| 12.5° | 765.1  | 765.6  | 763.5  | 760.9  | 759.9  | 757.8  | 757.8  | 757.8  | 757.8  | 758.8  | 760.4  |
| 15°   | 794.7  | 795.2  | 793.1  | 791.6  | 790.5  | 787.4  | 786.4  | 787.4  | 788.5  | 789.5  | 790.5  |
| 17.5° | 828.0  | 828.0  | 825.9  | 824.8  | 823.8  | 821.7  | 822.2  | 822.2  | 821.7  | 822.2  | 823.3  |
| 20°   | 861.2  | 860.7  | 860.7  | 860.7  | 860.7  | 859.1  | 860.7  | 860.7  | 859.7  | 858.1  | 858.1  |
| 22.5° | 897.6  | 898.1  | 899.2  | 901.2  | 900.2  | 900.2  | 900.2  | 902.3  | 901.8  | 899.7  | 899.7  |
| 25°   | 942.3  | 943.9  | 945.9  | 948.0  | 947.5  | 949.1  | 949.1  | 951.1  | 950.1  | 950.6  | 953.7  |
| 27.5° | 996.4  | 997.4  | 999.0  | 996.9  | 1000.5 | 1004.7 | 1004.7 | 1004.7 | 1010.9 | 1013.5 | 1017.1 |
| 30°   | 1055.6 | 1055.1 | 1056.6 | 1054.6 | 1058.2 | 1061.8 | 1065.5 | 1071.7 | 1078.5 | 1081.1 | 1087.8 |
| 32.5° | 1121.6 | 1120.6 | 1121.6 | 1119.5 | 1120.1 | 1126.3 | 1137.7 | 1144.5 | 1149.7 | 1158.5 | 1166.8 |
| 35°   | 1206.9 | 1206.3 | 1208.4 | 1212.0 | 1213.6 | 1218.8 | 1236.0 | 1238.6 | 1252.6 | 1258.3 | 1269.2 |
| 37.5° | 1310.8 | 1312.9 | 1318.6 | 1326.9 | 1328.5 | 1341.5 | 1351.3 | 1374.2 | 1387.2 | 1395.0 | 1403.8 |
| 40°   | 1437.6 | 1447.0 | 1458.9 | 1467.2 | 1478.7 | 1505.7 | 1526.0 | 1548.8 | 1567.0 | 1578.5 | 1593.5 |
| 42.5° | 1592.0 | 1613.3 | 1627.8 | 1643.4 | 1668.4 | 1697.0 | 1729.2 | 1754.7 | 1776.5 | 1788.4 | 1809.2 |
| 45°   | 1753.1 | 1772.9 | 1791.0 | 1813.4 | 1836.3 | 1866.9 | 1897.1 | 1919.9 | 1937.6 | 1944.9 | 1950.6 |
| 47.5° | 1881.0 | 1901.2 | 1921.5 | 1945.9 | 1974.0 | 2005.2 | 2030.1 | 2042.1 | 2047.8 | 2046.2 | 2043.6 |
| 50°   | 1984.4 | 2005.2 | 2030.7 | 2059.2 | 2086.8 | 2109.7 | 2122.6 | 2124.2 | 2124.2 | 2120.6 | 2115.9 |
| 52.5° | 2073.3 | 2097.2 | 2125.2 | 2153.3 | 2171.5 | 2182.4 | 2188.7 | 2189.2 | 2189.2 | 2185.5 | 2180.3 |
| 55°   | 2146.0 | 2175.1 | 2201.6 | 2220.4 | 2233.4 | 2237.0 | 2240.1 | 2239.6 | 2238.0 | 2233.9 | 2228.7 |
| 57.5° | 2193.9 | 2218.8 | 2247.9 | 2269.2 | 2289.0 | 2295.2 | 2305.1 | 2314.4 | 2326.4 | 2329.0 | 2338.3 |
| 60°   | 2285.3 | 2325.3 | 2351.3 | 2384.6 | 2413.2 | 2429.3 | 2449.0 | 2461.5 | 2473.5 | 2471.4 | 2468.3 |
| 62.5° | 2441.3 | 2485.9 | 2521.3 | 2567.0 | 2596.7 | 2608.6 | 2621.1 | 2621.6 | 2620.6 | 2608.1 | 2597.2 |
| 65°   | 2649.7 | 2695.9 | 2731.8 | 2765.1 | 2782.2 | 2773.9 | 2770.2 | 2752.1 | 2733.9 | 2707.4 | 2683.5 |
| 67.5° | 2783.2 | 2825.3 | 2856.5 | 2876.3 | 2888.8 | 2881.0 | 2869.5 | 2845.6 | 2817.0 | 2783.2 | 2750.5 |
| 70°   | 2893.4 | 2951.1 | 2984.9 | 3019.2 | 3058.2 | 3057.2 | 3042.6 | 3011.4 | 2967.2 | 2912.1 | 2861.7 |
| 72.5° | 2839.4 | 2881.5 | 2900.7 | 2908.5 | 2900.2 | 2887.2 | 2863.3 | 2819.6 | 2787.4 | 2720.9 | 2690.2 |
| 75°   | 2404.9 | 2455.8 | 2471.4 | 2487.5 | 2481.8 | 2482.3 | 2455.3 | 2417.9 | 2397.1 | 2332.1 | 2316.5 |
| 77.5° | 1688.7 | 1697.5 | 1730.8 | 1785.8 | 1807.2 | 1838.3 | 1826.9 | 1793.1 | 1744.8 | 1682.4 | 1660.1 |
| 80°   | 454.8  | 478.7  | 484.4  | 507.3  | 496.4  | 524.4  | 521.3  | 494.8  | 478.7  | 458.4  | 463.6  |
| 82.5° | 186.1  | 193.3  | 188.7  | 187.1  | 197.5  | 194.4  | 194.4  | 192.3  | 186.6  | 187.6  | 185.5  |
| 85°   | 41.6   | 46.3   | 45.7   | 42.1   | 40.5   | 47.8   | 44.7   | 45.7   | 41.6   | 41.1   | 43.7   |
| 87.5° | 5.2    | 5.2    | 5.2    | 5.2    | 4.7    | 5.2    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    |
| 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: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

**CANDELA DISTRIBUTION (continued):**

|       | 75°    | 85°    | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 717.8  | 717.8  | 717.8  | 717.8  | 717.8 | 717.8 | 717.8 | 717.8 | 717.8 | 717.8 | 717.8 |
| 2.5°  | 712.1  | 711.0  | 710.0  | 717.8  | 718.3 | 720.9 | 724.5 | 731.3 | 734.4 | 738.6 | 744.8 |
| 5°    | 716.7  | 717.8  | 716.7  | 725.6  | 732.3 | 740.6 | 749.5 | 761.9 | 770.8 | 785.3 | 798.9 |
| 7.5°  | 727.1  | 728.2  | 729.7  | 737.0  | 751.6 | 770.8 | 795.2 | 822.8 | 841.0 | 859.1 | 874.7 |
| 10°   | 740.1  | 741.7  | 744.3  | 751.6  | 783.3 | 813.4 | 841.5 | 861.7 | 874.2 | 895.0 | 903.3 |
| 12.5° | 760.4  | 762.5  | 770.3  | 784.3  | 823.3 | 842.5 | 861.2 | 874.7 | 881.5 | 899.7 | 902.3 |
| 15°   | 789.5  | 797.8  | 812.4  | 825.9  | 851.3 | 859.7 | 867.5 | 871.1 | 870.1 | 880.5 | 876.8 |
| 17.5° | 821.7  | 838.9  | 855.5  | 861.7  | 868.0 | 865.9 | 861.2 | 850.8 | 837.3 | 837.8 | 831.6 |
| 20°   | 857.6  | 884.6  | 890.3  | 888.2  | 875.8 | 862.8 | 840.4 | 813.9 | 787.9 | 785.3 | 769.7 |
| 22.5° | 899.7  | 926.7  | 922.0  | 911.1  | 879.4 | 850.8 | 809.8 | 767.7 | 728.2 | 714.7 | 696.5 |
| 25°   | 955.8  | 970.9  | 958.4  | 937.6  | 884.6 | 836.3 | 772.3 | 710.0 | 652.8 | 621.6 | 598.2 |
| 27.5° | 1019.7 | 1019.2 | 998.4  | 967.8  | 890.8 | 813.4 | 726.1 | 638.8 | 557.2 | 512.5 | 481.3 |
| 30°   | 1092.0 | 1070.2 | 1041.1 | 999.5  | 893.4 | 783.3 | 668.9 | 557.2 | 455.3 | 399.2 | 381.5 |
| 32.5° | 1164.2 | 1128.9 | 1086.3 | 1029.1 | 890.3 | 749.5 | 606.0 | 462.1 | 351.3 | 323.8 | 315.0 |
| 35°   | 1265.1 | 1217.8 | 1159.6 | 1080.0 | 884.6 | 703.2 | 521.3 | 344.1 | 283.3 | 262.5 | 257.8 |
| 37.5° | 1403.3 | 1359.1 | 1278.1 | 1155.9 | 884.6 | 638.2 | 402.8 | 258.8 | 216.2 | 192.3 | 201.1 |
| 40°   | 1594.1 | 1567.6 | 1455.3 | 1280.7 | 889.8 | 558.7 | 272.9 | 188.7 | 142.4 | 139.3 | 170.0 |
| 42.5° | 1807.2 | 1709.4 | 1575.4 | 1393.4 | 898.1 | 448.5 | 176.7 | 131.0 | 120.6 | 131.0 | 158.5 |
| 45°   | 1944.4 | 1782.2 | 1635.6 | 1438.1 | 903.3 | 319.1 | 127.9 | 120.1 | 114.9 | 124.7 | 150.7 |
| 47.5° | 2033.2 | 1858.1 | 1690.7 | 1463.6 | 860.7 | 215.2 | 118.5 | 115.4 | 110.7 | 120.6 | 148.1 |
| 50°   | 2107.6 | 1922.0 | 1736.0 | 1465.7 | 755.7 | 160.6 | 116.4 | 110.7 | 107.6 | 116.9 | 146.0 |
| 52.5° | 2171.5 | 1980.2 | 1780.1 | 1451.7 | 672.0 | 141.9 | 112.3 | 106.5 | 103.9 | 113.3 | 141.4 |
| 55°   | 2220.9 | 2041.0 | 1817.6 | 1412.2 | 601.3 | 139.3 | 109.1 | 101.9 | 100.3 | 113.3 | 141.4 |
| 57.5° | 2335.7 | 2112.8 | 1831.1 | 1384.6 | 523.9 | 135.1 | 106.0 | 97.7  | 98.8  | 114.9 | 147.1 |
| 60°   | 2460.0 | 2151.2 | 1823.3 | 1374.2 | 442.8 | 127.9 | 101.9 | 94.1  | 98.2  | 122.7 | 181.9 |
| 62.5° | 2576.9 | 2162.7 | 1829.0 | 1369.5 | 353.4 | 116.9 | 95.6  | 91.5  | 97.2  | 135.7 | 217.3 |
| 65°   | 2653.3 | 2176.2 | 1810.8 | 1343.0 | 262.0 | 105.0 | 88.9  | 90.4  | 98.8  | 162.2 | 182.4 |
| 67.5° | 2712.0 | 2152.3 | 1741.7 | 1247.9 | 197.0 | 93.6  | 80.0  | 85.2  | 101.4 | 149.2 | 158.0 |
| 70°   | 2795.2 | 2057.7 | 1602.9 | 1073.3 | 155.9 | 80.0  | 70.7  | 80.6  | 105.0 | 145.0 | 157.5 |
| 72.5° | 2614.8 | 1820.2 | 1323.3 | 811.3  | 116.9 | 65.5  | 58.2  | 75.4  | 107.6 | 146.0 | 157.0 |
| 75°   | 2229.2 | 1407.0 | 938.7  | 437.6  | 85.2  | 50.4  | 45.7  | 67.6  | 104.5 | 144.5 | 150.2 |
| 77.5° | 1529.6 | 784.8  | 386.7  | 146.6  | 62.4  | 36.4  | 33.3  | 52.5  | 94.6  | 134.6 | 153.3 |
| 80°   | 409.6  | 196.5  | 144.5  | 99.3   | 43.7  | 26.5  | 24.4  | 33.8  | 75.9  | 118.5 | 146.6 |
| 82.5° | 179.3  | 127.9  | 94.6   | 65.0   | 30.7  | 18.2  | 16.6  | 19.2  | 48.9  | 94.1  | 130.5 |
| 85°   | 39.0   | 28.6   | 22.9   | 17.7   | 12.5  | 9.4   | 8.8   | 11.4  | 19.2  | 55.1  | 95.6  |
| 87.5° | 4.2    | 3.6    | 3.6    | 3.6    | 3.6   | 3.6   | 3.1   | 3.6   | 5.7   | 15.6  | 42.6  |
| 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: P129494

CATALOG NUMBER: VERD-A018-E-U-T3-7030-AP

**CANDELA DISTRIBUTION (continued):**

|       | 175°  | 180°  |
|-------|-------|-------|
| 0°    | 717.8 | 717.8 |
| 2.5°  | 753.6 | 754.2 |
| 5°    | 811.8 | 812.4 |
| 7.5°  | 885.6 | 888.2 |
| 10°   | 910.6 | 911.6 |
| 12.5° | 908.0 | 908.0 |
| 15°   | 878.9 | 875.8 |
| 17.5° | 833.2 | 829.0 |
| 20°   | 770.3 | 767.7 |
| 22.5° | 687.6 | 683.5 |
| 25°   | 584.2 | 585.2 |
| 27.5° | 472.4 | 464.1 |
| 30°   | 383.1 | 384.1 |
| 32.5° | 327.4 | 329.5 |
| 35°   | 263.0 | 258.3 |
| 37.5° | 210.0 | 206.3 |
| 40°   | 196.5 | 189.7 |
| 42.5° | 174.6 | 172.6 |
| 45°   | 164.8 | 164.2 |
| 47.5° | 165.3 | 166.3 |
| 50°   | 166.3 | 166.8 |
| 52.5° | 156.4 | 155.9 |
| 55°   | 148.1 | 146.0 |
| 57.5° | 160.1 | 158.5 |
| 60°   | 197.0 | 197.0 |
| 62.5° | 198.5 | 191.8 |
| 65°   | 170.5 | 173.1 |
| 67.5° | 146.6 | 145.0 |
| 70°   | 140.3 | 136.7 |
| 72.5° | 131.5 | 127.3 |
| 75°   | 114.9 | 108.6 |
| 77.5° | 109.7 | 98.2  |
| 80°   | 111.7 | 92.0  |
| 82.5° | 111.2 | 81.1  |
| 85°   | 98.8  | 84.7  |
| 87.5° | 59.8  | 57.7  |
| 90°   | 0.0   | 0.0   |

(END OF REPORT)