

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: P154781

Luminaire Tested: **AVS-E02-LED-E-U-T2-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154781  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-E02-LED-E-U-T2-7050  
Description: VISION SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6287.7 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1  
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



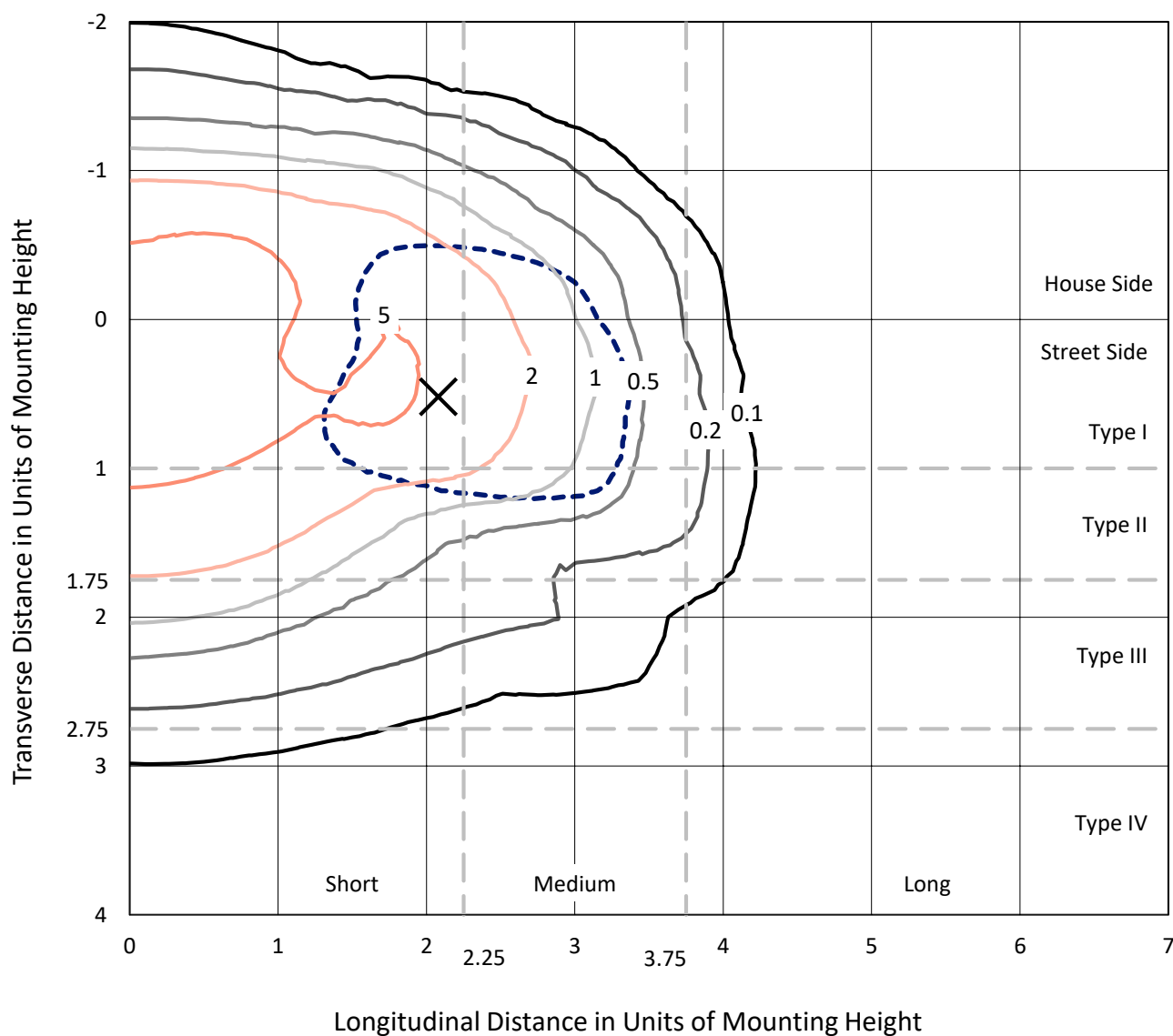
REPORT NUMBER: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

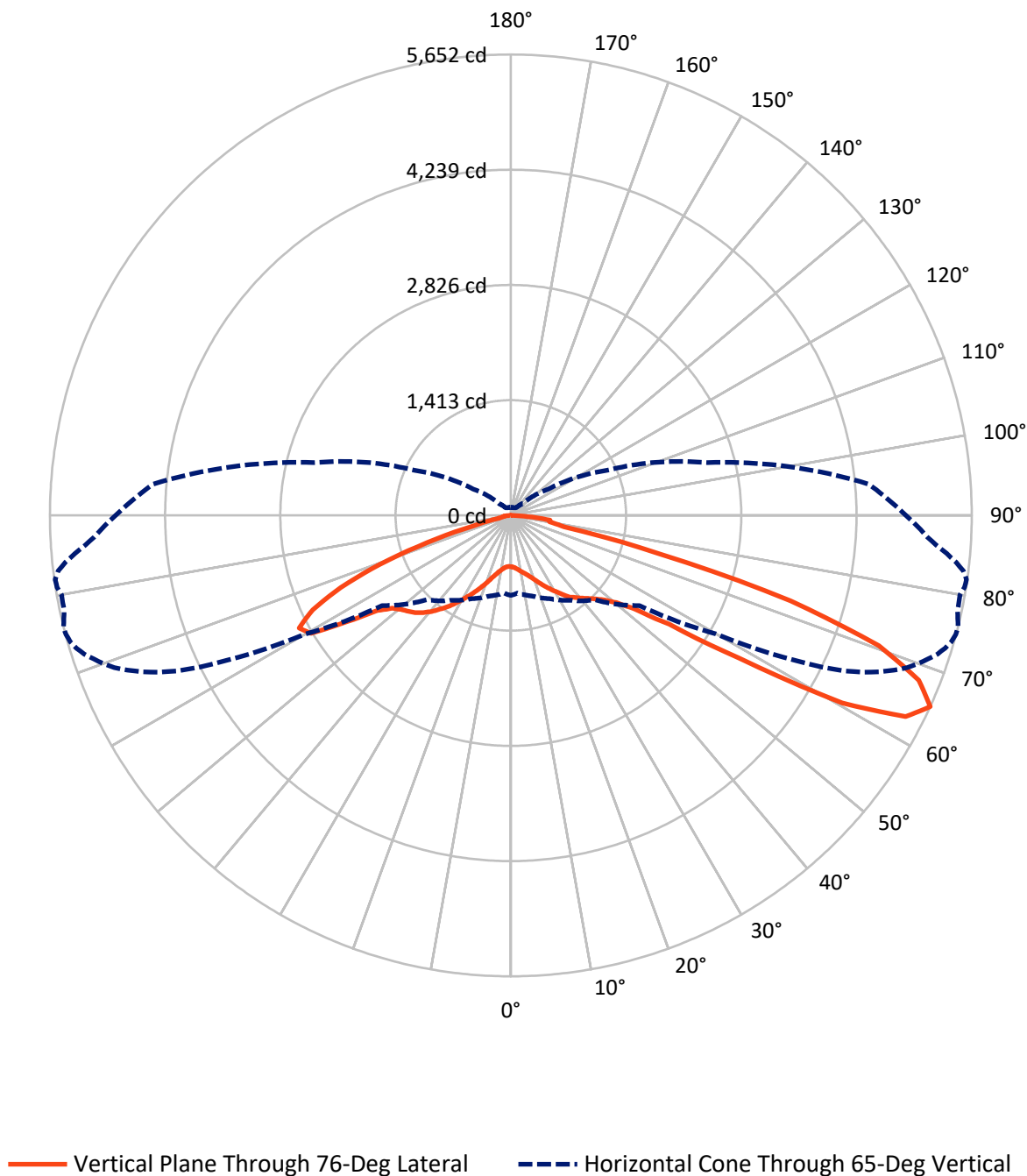


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

## Luminous Intensity Polar Plot



REPORT NUMBER: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

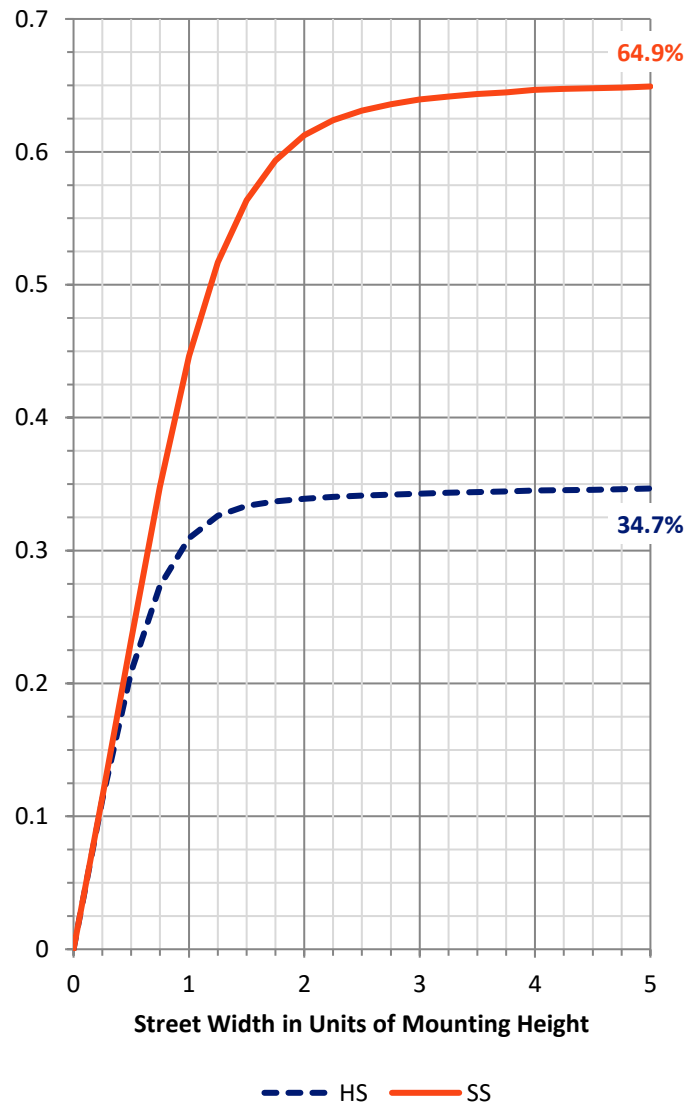
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2201.8   | 0.0    | 2201.8 |
|                    | % Fixture | 35.0     | 0.0    | 35.0   |
| <b>Street Side</b> | Lumens    | 4085.9   | 0.0    | 4085.9 |
|                    | % Fixture | 65.0     | 0.0    | 65.0   |
| <b>Total</b>       | Lumens    | 6287.7   | 0.0    | 6287.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.9   | 1.0       |
| 10°-20°   | 216.2  | 3.4       |
| 20°-30°   | 424.8  | 6.8       |
| 30°-40°   | 705.8  | 11.2      |
| 40°-50°   | 1037.2 | 16.5      |
| 50°-60°   | 1435.9 | 22.8      |
| 60°-70°   | 1713.9 | 27.3      |
| 70°-80°   | 606.1  | 9.6       |
| 80°-90°   | 84.7   | 1.3       |
| 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°    | 6287.7 | 100.0     |
| 0°-180°   | 6287.7 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P154781

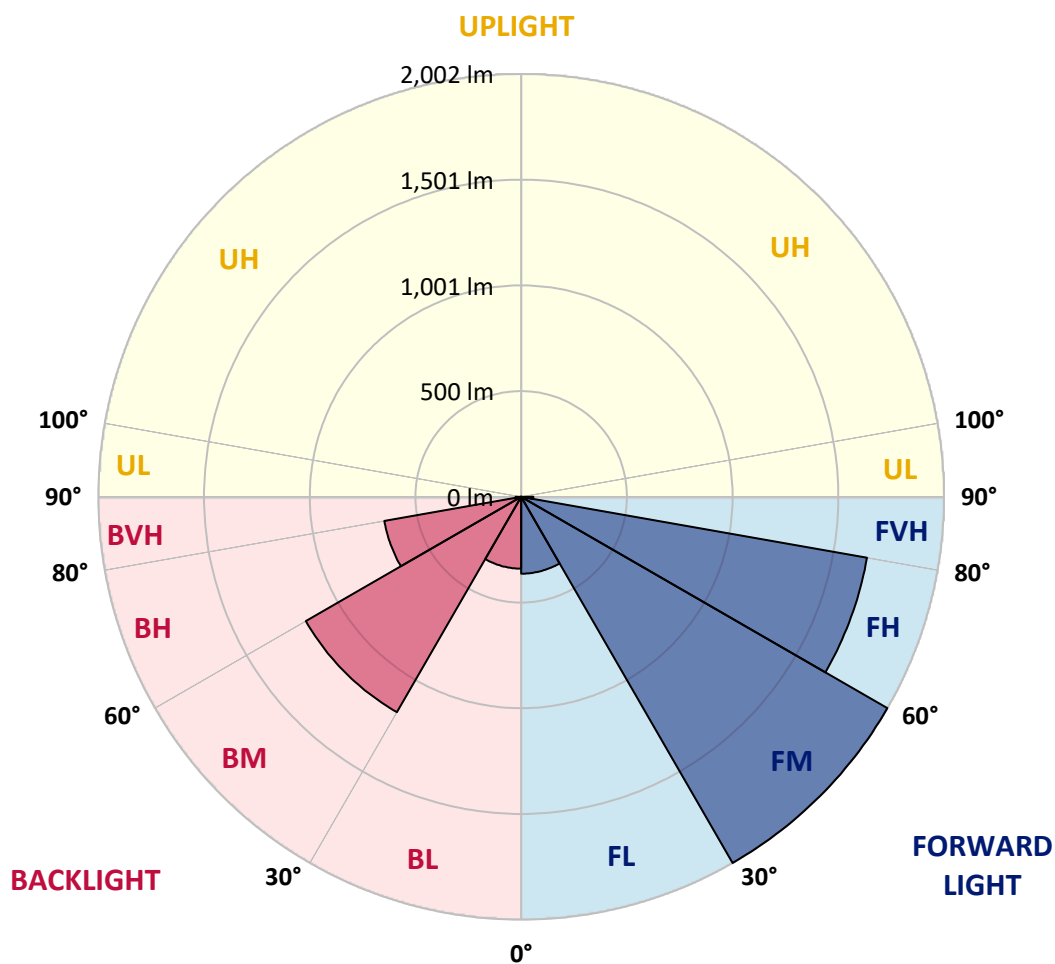
CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 363.8  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 2001.8 | 31.8      |                         |      |         |
| FH   | (60°-80°)   | 1662.4 | 26.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 57.9   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 340.2  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1177.1 | 18.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 657.7  | 10.5      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 26.8   | 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





REPORT NUMBER: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  |
| 2.5°  | 656.1  | 656.7  | 655.3  | 654.6  | 652.6  | 649.2  | 646.4  | 643.7  | 643.7  | 643.7  | 641.7  |
| 5°    | 684.8  | 686.1  | 683.4  | 681.3  | 675.1  | 671.7  | 666.9  | 663.5  | 662.2  | 661.5  | 659.5  |
| 7.5°  | 721.0  | 719.0  | 714.8  | 713.5  | 708.7  | 701.1  | 692.2  | 685.4  | 685.4  | 684.8  | 685.4  |
| 10°   | 757.3  | 751.8  | 749.7  | 747.7  | 740.2  | 730.6  | 720.3  | 712.8  | 712.1  | 711.4  | 709.4  |
| 12.5° | 793.5  | 791.5  | 789.4  | 781.9  | 774.4  | 759.3  | 747.7  | 740.2  | 739.5  | 740.2  | 737.4  |
| 15°   | 841.5  | 836.6  | 834.6  | 821.6  | 805.2  | 788.7  | 774.4  | 767.6  | 765.5  | 766.1  | 764.1  |
| 17.5° | 878.3  | 878.3  | 873.6  | 859.2  | 838.0  | 815.4  | 800.3  | 796.3  | 795.5  | 795.5  | 796.3  |
| 20°   | 907.8  | 907.0  | 902.3  | 890.7  | 865.4  | 842.8  | 835.2  | 833.9  | 833.2  | 833.2  | 835.2  |
| 22.5° | 924.1  | 922.8  | 920.7  | 907.8  | 887.9  | 872.8  | 873.6  | 877.6  | 879.1  | 880.4  | 883.1  |
| 25°   | 932.4  | 930.4  | 929.6  | 920.7  | 906.4  | 904.4  | 916.7  | 927.6  | 930.4  | 933.1  | 936.5  |
| 27.5° | 946.1  | 942.7  | 944.0  | 940.6  | 937.2  | 943.3  | 968.6  | 980.3  | 982.3  | 985.7  | 987.8  |
| 30°   | 983.7  | 982.3  | 987.8  | 989.1  | 991.9  | 1000.8 | 1024.0 | 1035.0 | 1039.8 | 1039.8 | 1049.3 |
| 32.5° | 1055.5 | 1056.2 | 1057.6 | 1071.9 | 1076.7 | 1082.9 | 1095.2 | 1104.0 | 1104.8 | 1105.5 | 1114.3 |
| 35°   | 1152.0 | 1156.1 | 1167.7 | 1180.0 | 1191.6 | 1191.0 | 1183.4 | 1188.2 | 1184.8 | 1188.9 | 1189.6 |
| 37.5° | 1273.8 | 1268.3 | 1285.4 | 1313.4 | 1331.2 | 1326.4 | 1292.8 | 1271.0 | 1277.2 | 1274.4 | 1272.3 |
| 40°   | 1367.5 | 1373.6 | 1406.4 | 1443.4 | 1457.1 | 1472.1 | 1428.3 | 1390.7 | 1385.3 | 1375.0 | 1368.8 |
| 42.5° | 1496.8 | 1497.4 | 1524.1 | 1551.5 | 1591.2 | 1623.9 | 1596.0 | 1541.9 | 1525.5 | 1513.2 | 1486.5 |
| 45°   | 1616.5 | 1614.4 | 1636.3 | 1669.8 | 1717.0 | 1764.2 | 1774.5 | 1715.6 | 1709.5 | 1687.6 | 1652.7 |
| 47.5° | 1696.5 | 1693.8 | 1708.8 | 1752.5 | 1829.2 | 1906.5 | 1948.9 | 1931.1 | 1919.5 | 1910.6 | 1855.9 |
| 50°   | 1750.6 | 1745.1 | 1762.2 | 1808.7 | 1894.2 | 2013.3 | 2124.0 | 2139.1 | 2134.3 | 2134.3 | 2099.4 |
| 52.5° | 1790.9 | 1790.9 | 1803.2 | 1840.8 | 1927.7 | 2076.2 | 2274.5 | 2350.5 | 2356.6 | 2363.4 | 2361.5 |
| 55°   | 1768.3 | 1771.7 | 1802.5 | 1857.2 | 1948.9 | 2119.9 | 2399.1 | 2565.3 | 2599.5 | 2628.2 | 2661.0 |
| 57.5° | 1691.0 | 1702.7 | 1743.7 | 1833.3 | 1954.4 | 2152.7 | 2537.2 | 2866.2 | 2962.7 | 3046.1 | 3176.2 |
| 60°   | 1578.1 | 1593.2 | 1652.7 | 1766.9 | 1914.0 | 2099.4 | 2585.8 | 3120.7 | 3274.0 | 3456.0 | 3795.2 |
| 62.5° | 1384.6 | 1399.6 | 1457.7 | 1572.0 | 1697.8 | 1894.9 | 2384.7 | 3158.3 | 3403.2 | 3661.1 | 4174.2 |
| 65°   | 980.9  | 957.0  | 1024.0 | 1126.6 | 1271.0 | 1461.9 | 1927.0 | 2905.9 | 3258.2 | 3607.8 | 4241.2 |
| 67.5° | 546.5  | 544.6  | 585.6  | 662.2  | 800.3  | 1005.6 | 1327.8 | 2228.7 | 2553.0 | 2949.0 | 3726.8 |
| 70°   | 376.9  | 381.0  | 407.0  | 489.8  | 604.0  | 781.2  | 946.1  | 1399.6 | 1632.8 | 1901.8 | 2666.5 |
| 72.5° | 264.8  | 273.7  | 288.0  | 337.2  | 454.2  | 658.0  | 966.6  | 836.6  | 953.0  | 1136.3 | 1603.4 |
| 75°   | 155.2  | 161.5  | 171.7  | 195.6  | 258.5  | 439.9  | 1000.8 | 735.3  | 735.3  | 778.4  | 970.1  |
| 77.5° | 95.8   | 95.8   | 102.0  | 111.5  | 137.5  | 215.4  | 712.8  | 826.3  | 803.1  | 778.4  | 780.5  |
| 80°   | 49.2   | 52.6   | 61.6   | 66.3   | 76.6   | 98.5   | 320.1  | 771.0  | 845.5  | 895.4  | 860.5  |
| 82.5° | 22.6   | 25.3   | 37.6   | 40.3   | 44.5   | 52.0   | 110.2  | 438.4  | 587.6  | 773.7  | 966.6  |
| 85°   | 11.6   | 11.6   | 19.8   | 24.7   | 26.6   | 23.9   | 40.3   | 177.2  | 268.2  | 409.1  | 640.3  |
| 87.5° | 2.1    | 2.1    | 3.4    | 4.1    | 6.1    | 5.5    | 6.8    | 10.3   | 17.1   | 18.4   | 19.2   |
| 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: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  |
| 2.5°  | 640.9  | 641.7  | 640.9  | 640.3  | 639.0  | 639.0  | 639.0  | 638.2  | 638.2  | 638.2  | 637.5  |
| 5°    | 659.5  | 656.7  | 657.4  | 656.1  | 655.3  | 654.6  | 655.3  | 654.0  | 652.6  | 653.3  | 652.6  |
| 7.5°  | 682.7  | 681.3  | 678.5  | 678.5  | 677.9  | 676.6  | 676.6  | 674.5  | 673.8  | 672.4  | 671.7  |
| 10°   | 708.7  | 705.3  | 706.6  | 705.3  | 706.0  | 703.2  | 701.9  | 700.5  | 699.2  | 699.2  | 699.8  |
| 12.5° | 735.3  | 734.7  | 732.6  | 731.3  | 731.3  | 729.2  | 729.9  | 729.2  | 727.2  | 726.5  | 724.5  |
| 15°   | 762.7  | 762.7  | 760.7  | 761.3  | 760.7  | 759.3  | 757.9  | 757.9  | 756.6  | 755.2  | 755.9  |
| 17.5° | 794.9  | 794.9  | 794.9  | 794.9  | 795.5  | 793.5  | 794.2  | 792.8  | 791.5  | 794.2  | 794.2  |
| 20°   | 836.6  | 839.4  | 839.4  | 838.7  | 842.1  | 840.0  | 839.4  | 842.8  | 839.4  | 844.1  | 843.4  |
| 22.5° | 884.5  | 887.3  | 887.3  | 889.9  | 890.7  | 892.7  | 894.1  | 892.7  | 895.4  | 898.1  | 898.1  |
| 25°   | 937.8  | 940.6  | 942.7  | 946.7  | 948.8  | 947.5  | 948.1  | 951.5  | 953.0  | 955.6  | 958.3  |
| 27.5° | 994.0  | 994.6  | 997.4  | 1002.2 | 1005.6 | 1006.9 | 1007.7 | 1013.1 | 1013.8 | 1015.1 | 1017.9 |
| 30°   | 1048.7 | 1055.5 | 1054.2 | 1060.3 | 1062.4 | 1064.5 | 1068.5 | 1070.6 | 1075.3 | 1078.1 | 1078.1 |
| 32.5° | 1113.0 | 1111.6 | 1117.1 | 1121.9 | 1125.3 | 1128.7 | 1132.1 | 1134.9 | 1137.6 | 1139.0 | 1145.8 |
| 35°   | 1193.1 | 1195.8 | 1195.8 | 1196.5 | 1204.7 | 1205.3 | 1208.1 | 1214.2 | 1216.3 | 1220.4 | 1223.1 |
| 37.5° | 1272.3 | 1267.6 | 1266.9 | 1266.9 | 1264.1 | 1266.2 | 1266.9 | 1267.6 | 1270.4 | 1271.0 | 1273.8 |
| 40°   | 1361.3 | 1355.1 | 1349.6 | 1346.2 | 1340.8 | 1333.3 | 1331.9 | 1328.5 | 1330.5 | 1329.8 | 1330.5 |
| 42.5° | 1483.1 | 1466.0 | 1453.0 | 1443.4 | 1432.4 | 1424.2 | 1418.0 | 1409.2 | 1403.0 | 1395.5 | 1394.1 |
| 45°   | 1638.3 | 1606.2 | 1584.4 | 1568.6 | 1552.8 | 1530.3 | 1517.3 | 1503.6 | 1491.3 | 1479.0 | 1468.7 |
| 47.5° | 1842.2 | 1808.0 | 1773.2 | 1744.4 | 1719.8 | 1683.5 | 1646.5 | 1626.0 | 1602.1 | 1580.9 | 1565.8 |
| 50°   | 2082.3 | 2041.2 | 2024.9 | 1984.5 | 1953.7 | 1899.0 | 1853.2 | 1819.6 | 1771.7 | 1739.6 | 1711.5 |
| 52.5° | 2327.9 | 2317.6 | 2308.7 | 2274.5 | 2238.2 | 2206.8 | 2166.4 | 2107.7 | 2059.1 | 2022.1 | 1964.7 |
| 55°   | 2662.4 | 2667.2 | 2663.7 | 2645.3 | 2632.3 | 2602.2 | 2585.8 | 2534.5 | 2512.5 | 2459.3 | 2399.1 |
| 57.5° | 3225.4 | 3263.7 | 3312.2 | 3331.4 | 3357.4 | 3332.7 | 3361.6 | 3396.4 | 3309.5 | 3339.6 | 3285.6 |
| 60°   | 3944.4 | 4120.1 | 4224.8 | 4353.5 | 4437.5 | 4555.2 | 4576.5 | 4607.3 | 4598.3 | 4615.4 | 4650.3 |
| 62.5° | 4383.5 | 4592.1 | 4792.6 | 4938.3 | 5094.3 | 5180.4 | 5284.5 | 5357.0 | 5432.2 | 5482.8 | 5468.5 |
| 65°   | 4512.8 | 4727.6 | 4909.5 | 5068.9 | 5208.5 | 5313.9 | 5410.4 | 5501.2 | 5570.4 | 5619.0 | 5647.7 |
| 67.5° | 4038.0 | 4318.5 | 4510.1 | 4696.8 | 4876.8 | 4987.6 | 5068.3 | 5156.5 | 5257.7 | 5341.9 | 5358.3 |
| 70°   | 3038.7 | 3459.4 | 3730.9 | 3954.6 | 4166.0 | 4315.1 | 4428.0 | 4510.1 | 4588.7 | 4648.9 | 4714.6 |
| 72.5° | 1900.3 | 2268.4 | 2579.0 | 2869.0 | 3093.4 | 3298.5 | 3393.7 | 3575.6 | 3551.7 | 3597.5 | 3646.7 |
| 75°   | 1139.0 | 1318.2 | 1489.2 | 1693.8 | 1811.4 | 1982.5 | 2013.3 | 2043.3 | 2027.6 | 1976.3 | 2014.6 |
| 77.5° | 791.5  | 820.9  | 819.5  | 807.9  | 795.5  | 765.5  | 726.5  | 705.3  | 690.9  | 670.4  | 678.5  |
| 80°   | 796.3  | 732.6  | 635.5  | 534.3  | 441.2  | 379.7  | 355.0  | 355.0  | 380.3  | 416.6  | 452.8  |
| 82.5° | 951.5  | 883.8  | 788.1  | 659.5  | 522.6  | 425.5  | 360.5  | 334.5  | 339.3  | 376.3  | 422.8  |
| 85°   | 641.7  | 656.7  | 576.0  | 526.7  | 417.3  | 325.0  | 272.2  | 220.9  | 195.6  | 201.8  | 228.5  |
| 87.5° | 23.2   | 28.1   | 10.3   | 13.7   | 9.5    | 8.2    | 8.2    | 8.9    | 6.1    | 7.6    | 6.8    |
| 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: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  |
| 2.5°  | 636.9  | 636.2  | 636.2  | 634.8  | 634.8  | 634.1  | 634.1  | 633.5  | 632.7  | 632.7  | 632.1  |
| 5°    | 651.9  | 651.2  | 649.8  | 649.2  | 647.8  | 647.8  | 647.2  | 645.8  | 645.8  | 644.4  | 643.7  |
| 7.5°  | 673.2  | 671.7  | 670.4  | 669.7  | 669.0  | 666.9  | 666.9  | 665.6  | 665.6  | 664.2  | 663.5  |
| 10°   | 698.4  | 697.1  | 695.8  | 696.4  | 694.3  | 693.7  | 692.2  | 692.2  | 690.3  | 689.5  | 689.5  |
| 12.5° | 725.8  | 725.1  | 725.1  | 723.1  | 722.4  | 721.7  | 719.0  | 719.0  | 719.0  | 717.6  | 718.2  |
| 15°   | 755.2  | 755.9  | 753.9  | 755.9  | 755.2  | 753.2  | 753.2  | 753.2  | 750.5  | 753.9  | 751.1  |
| 17.5° | 794.9  | 796.9  | 795.5  | 796.3  | 794.9  | 794.9  | 795.5  | 794.9  | 796.3  | 796.3  | 800.3  |
| 20°   | 844.1  | 844.9  | 848.3  | 846.8  | 846.8  | 846.2  | 847.6  | 848.3  | 851.0  | 849.6  | 852.3  |
| 22.5° | 898.1  | 901.6  | 902.3  | 905.0  | 905.0  | 904.4  | 905.7  | 908.4  | 909.8  | 911.9  | 911.2  |
| 25°   | 959.8  | 961.8  | 964.6  | 961.1  | 966.6  | 966.6  | 968.0  | 971.4  | 972.0  | 972.0  | 976.9  |
| 27.5° | 1017.2 | 1022.7 | 1023.4 | 1026.8 | 1024.8 | 1026.1 | 1030.9 | 1033.0 | 1035.6 | 1035.6 | 1037.1 |
| 30°   | 1082.2 | 1084.2 | 1085.6 | 1089.7 | 1089.0 | 1089.7 | 1090.4 | 1093.8 | 1093.8 | 1097.2 | 1100.6 |
| 32.5° | 1149.2 | 1150.6 | 1152.0 | 1156.1 | 1157.4 | 1160.2 | 1158.9 | 1161.6 | 1165.0 | 1165.7 | 1167.7 |
| 35°   | 1229.2 | 1230.7 | 1232.0 | 1238.1 | 1238.9 | 1243.6 | 1245.0 | 1243.6 | 1249.1 | 1245.7 | 1249.1 |
| 37.5° | 1275.8 | 1282.0 | 1283.3 | 1287.5 | 1286.0 | 1289.4 | 1291.5 | 1294.3 | 1295.6 | 1298.3 | 1303.8 |
| 40°   | 1332.5 | 1334.6 | 1338.8 | 1340.8 | 1343.5 | 1344.2 | 1346.9 | 1349.0 | 1351.1 | 1357.2 | 1363.3 |
| 42.5° | 1390.7 | 1393.5 | 1395.5 | 1398.2 | 1401.7 | 1404.4 | 1406.4 | 1412.6 | 1414.0 | 1418.0 | 1429.7 |
| 45°   | 1461.1 | 1459.8 | 1460.5 | 1461.1 | 1462.6 | 1466.0 | 1472.1 | 1478.2 | 1482.4 | 1491.9 | 1501.6 |
| 47.5° | 1548.7 | 1539.8 | 1536.4 | 1531.0 | 1532.3 | 1539.8 | 1541.2 | 1551.5 | 1559.7 | 1568.6 | 1580.2 |
| 50°   | 1681.5 | 1657.5 | 1643.1 | 1628.8 | 1627.4 | 1631.5 | 1637.0 | 1647.9 | 1657.5 | 1669.1 | 1685.6 |
| 52.5° | 1904.5 | 1858.7 | 1829.8 | 1790.3 | 1779.3 | 1777.2 | 1773.2 | 1779.3 | 1782.0 | 1797.7 | 1828.5 |
| 55°   | 2356.0 | 2271.1 | 2216.4 | 2154.8 | 2097.4 | 2080.2 | 2047.5 | 2054.3 | 2047.5 | 2057.0 | 2102.8 |
| 57.5° | 3298.5 | 3230.9 | 3177.5 | 3098.9 | 3000.3 | 2895.6 | 2869.6 | 2762.3 | 2783.5 | 2845.1 | 2805.4 |
| 60°   | 4667.5 | 4642.8 | 4604.5 | 4566.8 | 4432.1 | 4356.2 | 4232.3 | 4218.7 | 4131.8 | 4132.4 | 4075.6 |
| 62.5° | 5433.6 | 5465.1 | 5441.8 | 5430.9 | 5423.3 | 5399.4 | 5337.8 | 5263.9 | 5153.1 | 5073.1 | 4955.4 |
| 65°   | 5652.4 | 5625.8 | 5600.5 | 5597.1 | 5595.0 | 5634.0 | 5642.9 | 5590.9 | 5490.4 | 5365.8 | 5230.4 |
| 67.5° | 5397.3 | 5382.3 | 5383.6 | 5354.9 | 5372.6 | 5440.4 | 5487.6 | 5473.3 | 5380.9 | 5230.4 | 5058.0 |
| 70°   | 4789.8 | 4760.4 | 4790.6 | 4828.2 | 4854.8 | 4893.9 | 4941.0 | 4952.6 | 4868.5 | 4713.9 | 4538.1 |
| 72.5° | 3586.6 | 3591.4 | 3620.1 | 3630.4 | 3737.7 | 3726.8 | 3769.2 | 3631.1 | 3570.2 | 3423.1 | 3332.7 |
| 75°   | 1887.4 | 1856.6 | 1936.6 | 1766.9 | 1697.2 | 1745.7 | 1609.6 | 1479.0 | 1506.3 | 1528.9 | 1366.1 |
| 77.5° | 666.9  | 623.8  | 550.7  | 521.2  | 433.7  | 367.4  | 300.3  | 270.9  | 255.1  | 246.9  | 236.7  |
| 80°   | 478.9  | 492.5  | 477.5  | 441.9  | 375.5  | 301.0  | 237.4  | 187.5  | 160.7  | 146.4  | 136.8  |
| 82.5° | 484.4  | 538.3  | 562.3  | 552.0  | 491.8  | 372.1  | 245.6  | 156.7  | 116.3  | 97.1   | 90.3   |
| 85°   | 259.9  | 284.6  | 273.7  | 230.6  | 207.3  | 123.8  | 84.9   | 56.8   | 47.9   | 43.7   | 40.3   |
| 87.5° | 10.3   | 8.2    | 6.8    | 6.8    | 7.6    | 8.2    | 6.8    | 7.6    | 6.8    | 6.8    | 6.8    |
| 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: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°  | 155°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7  | 628.7 | 628.7 |
| 2.5°  | 630.7  | 630.7  | 630.7  | 630.1  | 628.7  | 625.3  | 621.9  | 619.1  | 617.0  | 615.0 | 612.2 |
| 5°    | 643.0  | 641.7  | 641.7  | 641.7  | 636.2  | 630.7  | 625.9  | 621.1  | 617.0  | 613.6 | 610.9 |
| 7.5°  | 663.5  | 662.9  | 660.1  | 659.5  | 655.3  | 646.4  | 640.9  | 632.7  | 628.0  | 623.2 | 621.9 |
| 10°   | 688.2  | 687.5  | 686.8  | 686.1  | 680.6  | 671.7  | 664.9  | 657.4  | 650.6  | 643.7 | 636.9 |
| 12.5° | 716.9  | 716.3  | 715.5  | 713.5  | 711.4  | 706.6  | 699.2  | 690.9  | 682.7  | 668.3 | 660.8 |
| 15°   | 752.4  | 753.9  | 752.4  | 751.8  | 750.5  | 751.1  | 746.3  | 734.7  | 721.7  | 703.2 | 687.5 |
| 17.5° | 799.7  | 798.3  | 797.6  | 800.3  | 799.7  | 803.1  | 801.8  | 786.6  | 766.8  | 737.4 | 710.1 |
| 20°   | 851.7  | 851.7  | 854.4  | 856.5  | 862.6  | 871.5  | 867.4  | 848.9  | 812.6  | 771.6 | 736.1 |
| 22.5° | 913.9  | 915.3  | 918.0  | 916.7  | 926.2  | 940.6  | 942.0  | 916.0  | 868.8  | 812.0 | 762.1 |
| 25°   | 978.9  | 980.3  | 977.5  | 981.7  | 997.4  | 1017.9 | 1022.0 | 985.1  | 922.8  | 848.9 | 783.9 |
| 27.5° | 1040.5 | 1041.9 | 1041.9 | 1047.4 | 1062.4 | 1097.2 | 1101.3 | 1060.3 | 977.5  | 881.0 | 799.7 |
| 30°   | 1100.6 | 1106.1 | 1107.5 | 1108.9 | 1131.5 | 1180.0 | 1188.9 | 1129.4 | 1025.4 | 905.0 | 810.7 |
| 32.5° | 1176.6 | 1178.7 | 1181.3 | 1184.8 | 1210.8 | 1270.4 | 1270.4 | 1188.9 | 1056.2 | 920.1 | 812.6 |
| 35°   | 1258.0 | 1258.7 | 1264.9 | 1265.5 | 1302.5 | 1362.0 | 1350.4 | 1238.1 | 1078.1 | 916.7 | 797.6 |
| 37.5° | 1307.3 | 1309.9 | 1316.2 | 1324.4 | 1363.3 | 1447.5 | 1420.8 | 1280.6 | 1082.2 | 894.1 | 763.4 |
| 40°   | 1368.2 | 1373.6 | 1379.8 | 1388.0 | 1446.1 | 1534.4 | 1480.3 | 1307.3 | 1065.1 | 849.6 | 712.1 |
| 42.5° | 1433.8 | 1441.3 | 1450.9 | 1466.0 | 1535.0 | 1611.0 | 1525.5 | 1311.4 | 1026.1 | 799.7 | 651.2 |
| 45°   | 1507.7 | 1521.3 | 1532.3 | 1550.1 | 1628.1 | 1677.3 | 1552.8 | 1287.5 | 976.9  | 734.0 | 586.2 |
| 47.5° | 1593.2 | 1604.1 | 1623.3 | 1642.5 | 1720.4 | 1722.5 | 1555.5 | 1240.9 | 909.8  | 668.3 | 517.2 |
| 50°   | 1698.5 | 1705.4 | 1734.1 | 1745.7 | 1819.0 | 1769.7 | 1535.8 | 1177.9 | 839.4  | 594.5 | 440.5 |
| 52.5° | 1838.8 | 1848.4 | 1885.3 | 1903.1 | 1955.0 | 1834.0 | 1507.7 | 1109.5 | 758.7  | 511.7 | 361.9 |
| 55°   | 2115.9 | 2157.5 | 2183.5 | 2214.3 | 2247.9 | 1979.7 | 1495.3 | 1036.4 | 667.7  | 416.0 | 286.6 |
| 57.5° | 2893.6 | 2879.9 | 2937.4 | 3007.2 | 3006.5 | 2312.8 | 1569.2 | 973.5  | 560.2  | 318.1 | 220.3 |
| 60°   | 4052.4 | 4065.4 | 4036.1 | 4077.7 | 3945.1 | 2726.0 | 1670.5 | 907.0  | 439.2  | 236.7 | 168.3 |
| 62.5° | 4913.7 | 4838.4 | 4796.7 | 4747.5 | 4455.3 | 2771.2 | 1596.6 | 771.0  | 319.5  | 166.2 | 129.3 |
| 65°   | 5117.5 | 5029.3 | 4939.7 | 4845.9 | 4405.4 | 2498.2 | 1309.9 | 565.7  | 206.6  | 114.2 | 102.6 |
| 67.5° | 4916.4 | 4774.8 | 4660.6 | 4564.1 | 4036.7 | 2070.7 | 957.7  | 347.5  | 118.3  | 92.3  | 87.6  |
| 70°   | 4395.1 | 4238.5 | 4053.8 | 3945.7 | 3399.2 | 1526.1 | 613.6  | 187.5  | 91.0   | 82.1  | 80.0  |
| 72.5° | 3217.2 | 3088.6 | 2886.7 | 2763.0 | 2440.7 | 927.6  | 342.7  | 105.4  | 84.9   | 78.7  | 76.0  |
| 75°   | 1253.3 | 1186.2 | 1102.1 | 1108.9 | 989.8  | 410.5  | 155.2  | 91.0   | 82.8   | 77.3  | 74.6  |
| 77.5° | 215.4  | 210.1  | 194.3  | 194.3  | 220.9  | 149.8  | 103.3  | 91.7   | 82.1   | 76.0  | 71.2  |
| 80°   | 129.3  | 126.5  | 120.4  | 119.1  | 114.9  | 105.4  | 99.2   | 93.1   | 80.7   | 71.8  | 65.7  |
| 82.5° | 84.9   | 81.5   | 79.4   | 78.7   | 85.5   | 92.3   | 93.1   | 92.3   | 76.6   | 62.3  | 53.4  |
| 85°   | 36.3   | 36.3   | 36.3   | 36.9   | 49.2   | 74.6   | 76.6   | 82.1   | 62.9   | 48.6  | 38.3  |
| 87.5° | 6.1    | 7.6    | 7.6    | 8.2    | 8.9    | 16.4   | 20.5   | 26.6   | 21.2   | 20.5  | 18.4  |
| 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: P154781

CATALOG NUMBER: AVS-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 628.7 | 628.7 | 628.7 |
| 2.5°  | 611.6 | 610.2 | 610.2 |
| 5°    | 609.5 | 608.2 | 608.8 |
| 7.5°  | 617.7 | 615.0 | 615.6 |
| 10°   | 632.7 | 630.1 | 628.7 |
| 12.5° | 651.9 | 648.5 | 648.5 |
| 15°   | 671.7 | 663.5 | 662.9 |
| 17.5° | 688.2 | 677.9 | 676.6 |
| 20°   | 706.6 | 693.0 | 690.9 |
| 22.5° | 723.7 | 705.3 | 702.6 |
| 25°   | 736.1 | 713.5 | 710.1 |
| 27.5° | 741.6 | 714.8 | 712.1 |
| 30°   | 745.6 | 715.5 | 711.4 |
| 32.5° | 741.6 | 709.4 | 706.0 |
| 35°   | 719.0 | 684.0 | 682.0 |
| 37.5° | 680.0 | 640.9 | 638.2 |
| 40°   | 628.7 | 587.6 | 580.7 |
| 42.5° | 563.0 | 524.7 | 517.2 |
| 45°   | 499.4 | 455.5 | 452.1 |
| 47.5° | 431.0 | 389.2 | 391.3 |
| 50°   | 359.2 | 321.6 | 320.8 |
| 52.5° | 290.8 | 257.9 | 255.9 |
| 55°   | 229.1 | 205.9 | 203.8 |
| 57.5° | 181.2 | 169.0 | 166.9 |
| 60°   | 147.8 | 141.6 | 139.6 |
| 62.5° | 119.1 | 117.0 | 116.3 |
| 65°   | 99.2  | 99.2  | 99.2  |
| 67.5° | 86.2  | 86.8  | 86.8  |
| 70°   | 79.4  | 80.0  | 79.4  |
| 72.5° | 76.6  | 78.7  | 78.7  |
| 75°   | 74.6  | 76.0  | 73.2  |
| 77.5° | 73.2  | 73.9  | 69.1  |
| 80°   | 72.5  | 71.8  | 62.9  |
| 82.5° | 62.9  | 60.9  | 53.4  |
| 85°   | 57.5  | 43.7  | 36.9  |
| 87.5° | 29.4  | 20.5  | 15.8  |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)