

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: INVUE

Report Number: P152732

Luminaire Tested: **VXS-E03-LED-E1-SLL-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152732  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E03-LED-E1-SLL-7060  
Description: VISION SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (63) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8565.3 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2  
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



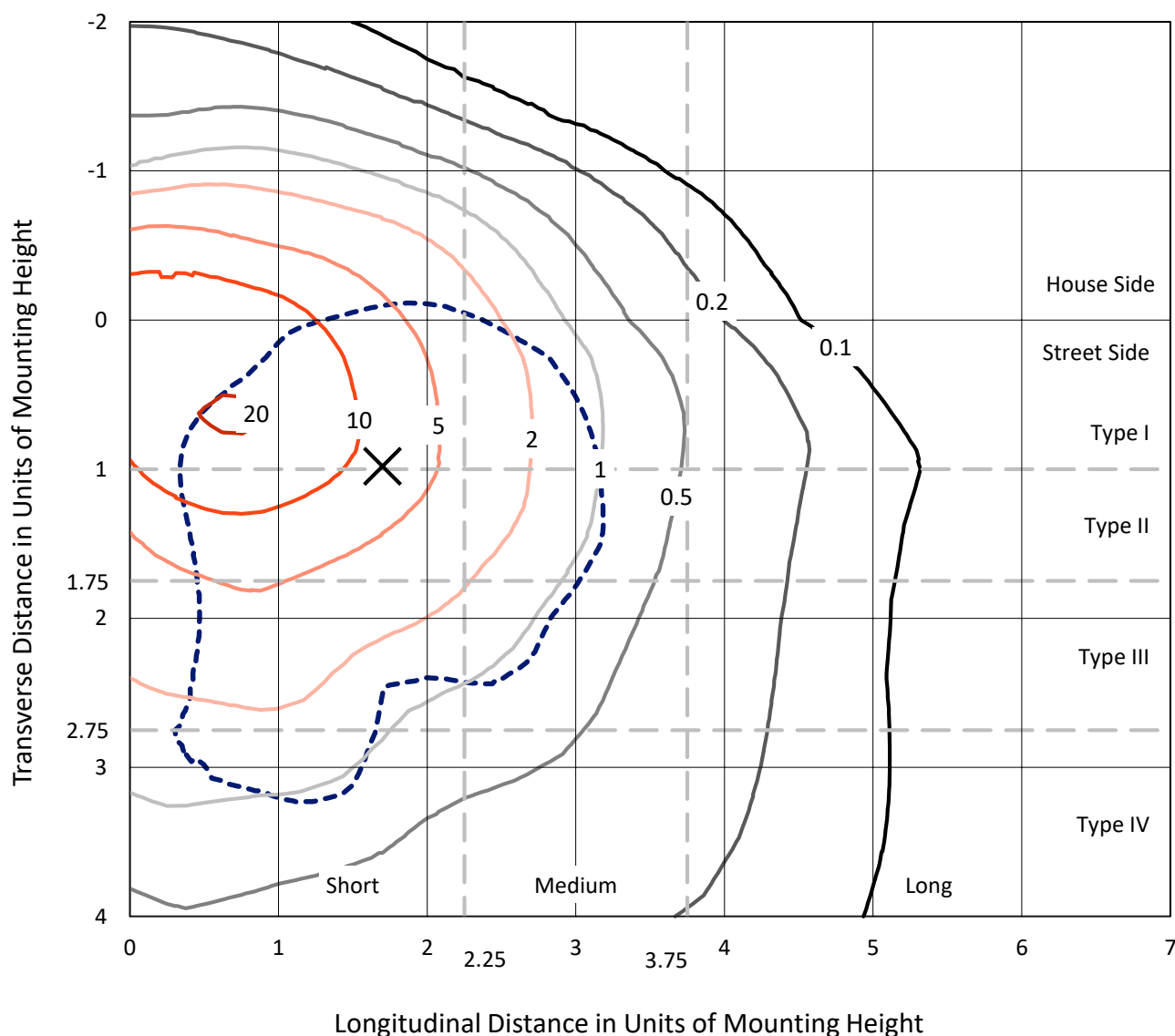
REPORT NUMBER: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

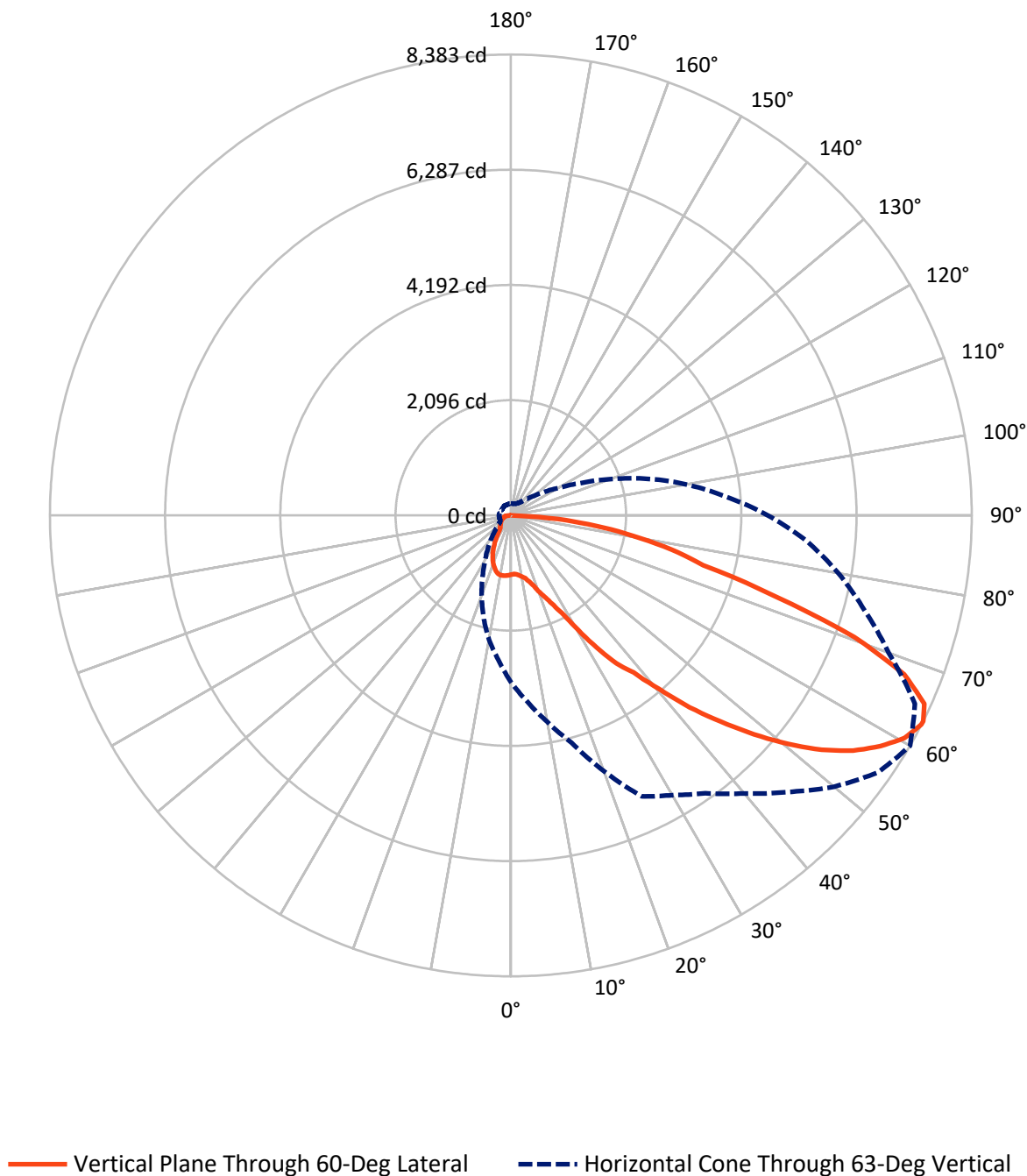


Based on 10 foot mounting height. Maximum calculated value = 21.3 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

## Luminous Intensity Polar Plot



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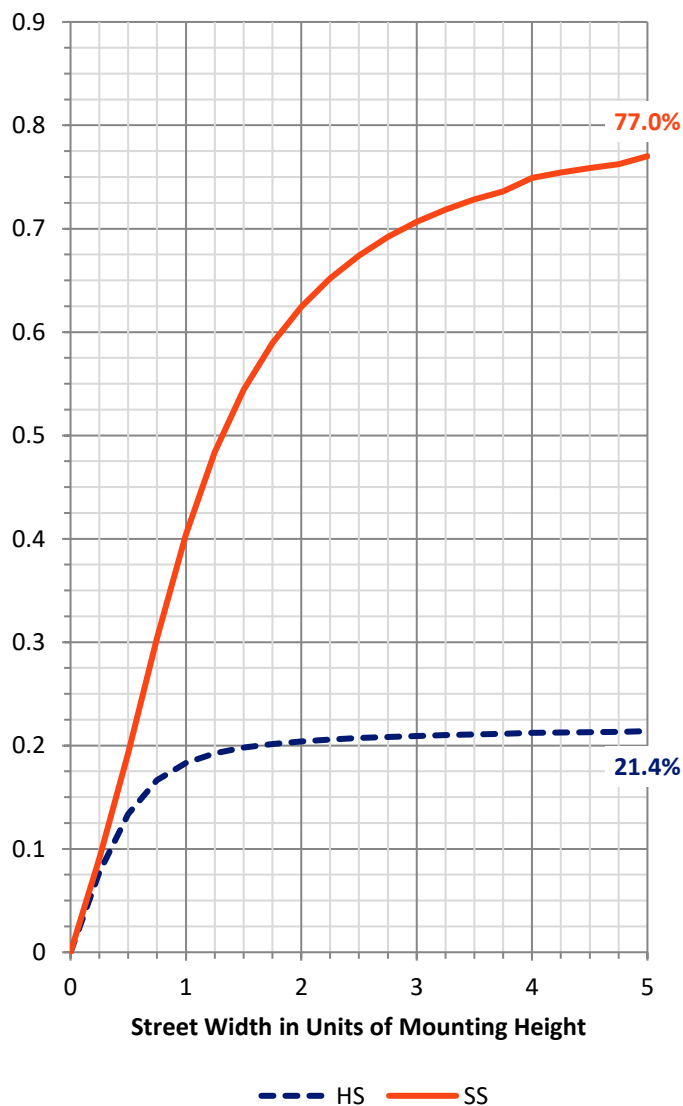
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1857.3   | 0.0    | 1857.3 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 6707.9   | 0.0    | 6707.9 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 8565.3   | 0.0    | 8565.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.8  | 1.2       |
| 10°-20°   | 326.3  | 3.8       |
| 20°-30°   | 579.7  | 6.8       |
| 30°-40°   | 912.9  | 10.7      |
| 40°-50°   | 1343.6 | 15.7      |
| 50°-60°   | 1784.6 | 20.8      |
| 60°-70°   | 1965.8 | 23.0      |
| 70°-80°   | 1233.3 | 14.4      |
| 80°-90°   | 314.1  | 3.7       |
| 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°    | 8565.3 | 100.0     |
| 0°-180°   | 8565.3 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P152732

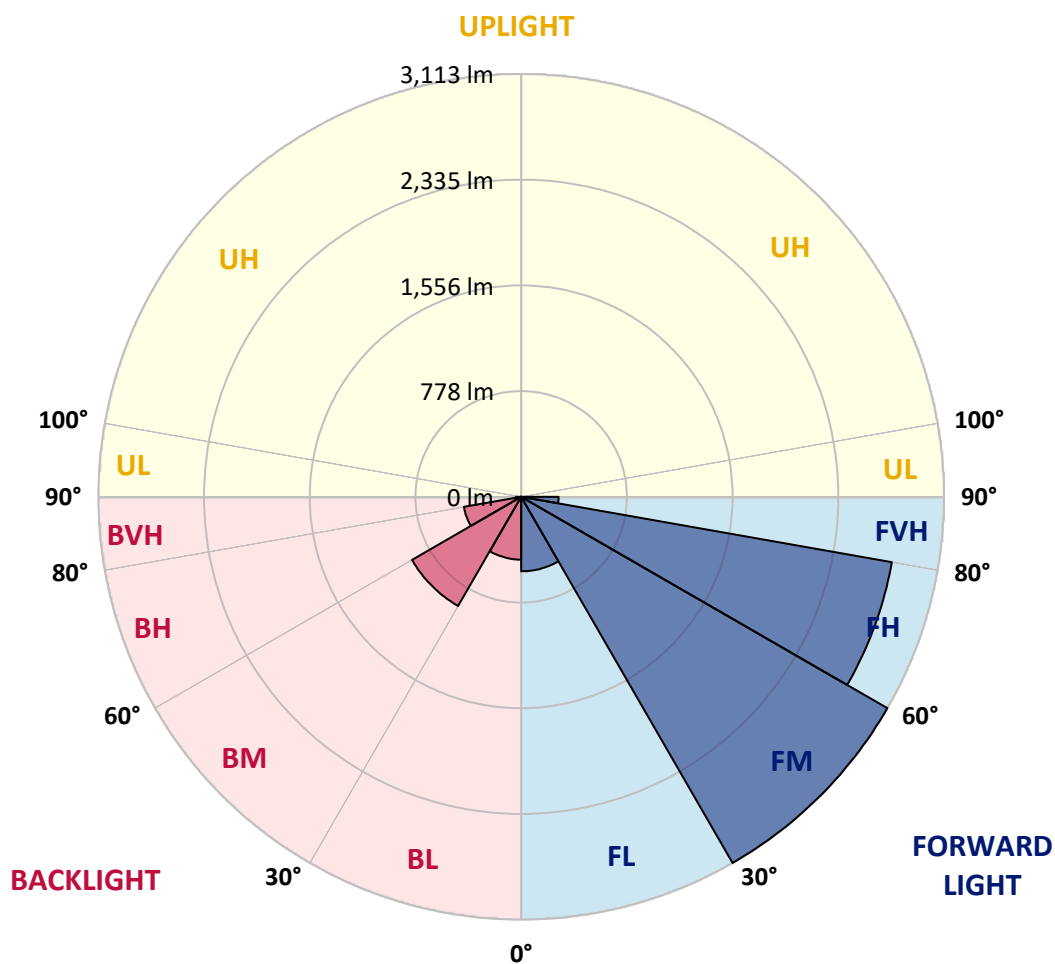
CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 548.4  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 3112.8 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 2771.0 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 275.7  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 462.4  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 928.3  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 428.1  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 38.5   | 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-G3**

Type IV Short



REPORT NUMBER: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 |
| 2.5°  | 1062.0 | 1064.0 | 1064.0 | 1063.0 | 1063.0 | 1065.1 | 1064.0 | 1063.0 | 1060.0 | 1064.0 | 1064.0 |
| 5°    | 1053.8 | 1055.9 | 1055.9 | 1057.9 | 1060.0 | 1062.0 | 1062.0 | 1064.0 | 1063.0 | 1067.2 | 1070.3 |
| 7.5°  | 1064.0 | 1066.1 | 1070.3 | 1075.3 | 1078.4 | 1085.6 | 1085.6 | 1090.8 | 1092.8 | 1095.9 | 1094.8 |
| 10°   | 1077.4 | 1082.6 | 1091.8 | 1100.0 | 1106.1 | 1114.3 | 1120.5 | 1127.7 | 1127.7 | 1130.8 | 1132.8 |
| 12.5° | 1101.0 | 1106.1 | 1116.4 | 1126.6 | 1135.9 | 1146.1 | 1155.4 | 1162.6 | 1169.7 | 1171.8 | 1176.0 |
| 15°   | 1140.0 | 1146.1 | 1161.6 | 1176.0 | 1187.3 | 1200.5 | 1212.8 | 1227.3 | 1240.5 | 1243.6 | 1245.7 |
| 17.5° | 1198.4 | 1210.8 | 1222.1 | 1247.8 | 1264.1 | 1281.6 | 1301.1 | 1321.7 | 1325.7 | 1347.3 | 1352.4 |
| 20°   | 1281.6 | 1297.0 | 1307.3 | 1339.1 | 1366.7 | 1389.3 | 1418.0 | 1441.7 | 1450.9 | 1471.4 | 1491.9 |
| 22.5° | 1425.3 | 1422.2 | 1437.6 | 1469.4 | 1489.9 | 1535.0 | 1559.7 | 1584.4 | 1596.6 | 1627.4 | 1643.8 |
| 25°   | 1618.1 | 1634.6 | 1668.5 | 1671.5 | 1691.0 | 1743.3 | 1775.1 | 1799.8 | 1800.8 | 1810.1 | 1827.5 |
| 27.5° | 1808.0 | 1875.8 | 1929.1 | 1957.8 | 2010.2 | 2058.3 | 2056.3 | 2091.2 | 2036.8 | 2048.1 | 2064.6 |
| 30°   | 2037.8 | 2150.7 | 2251.3 | 2319.0 | 2372.3 | 2428.8 | 2456.5 | 2476.0 | 2452.4 | 2442.2 | 2422.6 |
| 32.5° | 2253.4 | 2411.4 | 2566.3 | 2686.3 | 2785.9 | 2879.3 | 2940.8 | 2968.5 | 3001.3 | 3084.5 | 3114.2 |
| 35°   | 2401.0 | 2624.8 | 2817.7 | 2991.1 | 3157.3 | 3306.1 | 3413.9 | 3475.4 | 3451.8 | 3440.5 | 3434.4 |
| 37.5° | 2489.3 | 2762.3 | 3003.4 | 3248.6 | 3439.5 | 3662.2 | 3829.4 | 3991.5 | 4028.5 | 3963.8 | 3932.0 |
| 40°   | 2544.8 | 2868.0 | 3177.8 | 3467.3 | 3714.5 | 4001.8 | 4209.1 | 4452.2 | 4637.0 | 4661.6 | 4585.7 |
| 42.5° | 2571.4 | 2938.8 | 3300.0 | 3627.3 | 3961.8 | 4313.8 | 4576.5 | 4870.9 | 5146.9 | 5336.8 | 5289.5 |
| 45°   | 2575.5 | 2985.0 | 3389.2 | 3771.9 | 4170.1 | 4587.7 | 4926.3 | 5252.6 | 5622.1 | 5947.4 | 5956.6 |
| 47.5° | 2575.5 | 3019.8 | 3450.8 | 3876.6 | 4356.9 | 4825.8 | 5195.1 | 5581.0 | 6033.5 | 6418.2 | 6536.3 |
| 50°   | 2577.6 | 3043.4 | 3508.3 | 3958.8 | 4499.5 | 5026.8 | 5444.6 | 5900.1 | 6376.3 | 6794.8 | 7022.7 |
| 52.5° | 2586.8 | 3060.8 | 3553.4 | 4017.2 | 4591.8 | 5168.5 | 5638.4 | 6163.8 | 6637.9 | 7067.8 | 7362.3 |
| 55°   | 2607.4 | 3085.5 | 3586.2 | 4053.2 | 4653.4 | 5260.8 | 5779.1 | 6344.5 | 6807.2 | 7243.3 | 7654.7 |
| 57.5° | 2664.8 | 3128.6 | 3626.2 | 4085.0 | 4687.3 | 5321.3 | 5877.5 | 6422.4 | 6871.8 | 7326.4 | 7809.6 |
| 60°   | 2779.7 | 3219.9 | 3695.0 | 4148.5 | 4743.7 | 5433.3 | 5924.8 | 6370.1 | 6824.7 | 7301.8 | 7844.6 |
| 62.5° | 2963.4 | 3362.6 | 3790.5 | 4256.3 | 4904.8 | 5606.6 | 5888.8 | 6214.1 | 6638.9 | 7159.2 | 7720.4 |
| 63°   | 3027.0 | 3393.4 | 3812.0 | 4279.9 | 4948.9 | 5638.4 | 5873.5 | 6167.9 | 6600.9 | 7114.0 | 7676.3 |
| 65°   | 3204.6 | 3529.8 | 3914.6 | 4399.0 | 5130.6 | 5670.3 | 5753.4 | 5927.8 | 6338.2 | 6856.5 | 7415.6 |
| 67.5° | 3536.0 | 3861.2 | 4135.2 | 4600.0 | 5283.4 | 5545.1 | 5380.9 | 5402.5 | 5831.4 | 6368.0 | 6870.8 |
| 70°   | 3745.3 | 4133.2 | 4275.8 | 4625.7 | 5255.8 | 5359.4 | 4898.7 | 4613.4 | 4957.1 | 5568.7 | 6008.9 |
| 72.5° | 3690.9 | 4136.3 | 4120.8 | 4284.0 | 4701.7 | 4798.0 | 4320.9 | 3871.5 | 4075.6 | 4532.3 | 4817.6 |
| 75°   | 3161.5 | 3694.0 | 3581.1 | 3548.3 | 3695.0 | 3758.7 | 3400.5 | 3331.8 | 3589.3 | 3842.8 | 3846.8 |
| 77.5° | 2275.9 | 2861.8 | 2729.4 | 2539.6 | 2529.3 | 2676.1 | 2724.4 | 3174.8 | 3555.4 | 3755.5 | 3667.3 |
| 80°   | 1449.8 | 2085.1 | 1947.6 | 1616.2 | 1611.0 | 1801.9 | 2225.6 | 2838.2 | 3241.5 | 3353.3 | 3123.4 |
| 82.5° | 757.3  | 1364.8 | 1417.1 | 1212.8 | 1388.3 | 1704.4 | 2117.9 | 2287.2 | 2440.1 | 2455.4 | 2184.6 |
| 85°   | 472.0  | 839.4  | 987.2  | 1019.0 | 1253.9 | 1511.5 | 1508.4 | 1448.9 | 1381.1 | 1182.1 | 1069.2 |
| 87.5° | 53.4   | 105.7  | 160.1  | 151.8  | 204.1  | 286.3  | 357.1  | 209.3  | 146.7  | 53.4   | 73.9   |
| 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: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 |
| 2.5°  | 1066.1 | 1067.2 | 1068.2 | 1068.2 | 1073.3 | 1072.3 | 1073.3 | 1075.3 | 1078.4 | 1080.5 | 1082.6 |
| 5°    | 1074.3 | 1074.3 | 1078.4 | 1081.6 | 1087.7 | 1091.8 | 1093.8 | 1100.0 | 1107.2 | 1105.1 | 1111.3 |
| 7.5°  | 1101.0 | 1100.0 | 1104.0 | 1106.1 | 1111.3 | 1118.4 | 1117.4 | 1122.6 | 1128.7 | 1130.8 | 1135.9 |
| 10°   | 1136.9 | 1133.9 | 1133.9 | 1131.8 | 1132.8 | 1130.8 | 1130.8 | 1130.8 | 1134.9 | 1133.9 | 1137.9 |
| 12.5° | 1173.9 | 1172.8 | 1170.8 | 1164.7 | 1164.7 | 1156.4 | 1152.3 | 1147.2 | 1146.1 | 1139.0 | 1140.0 |
| 15°   | 1249.8 | 1249.8 | 1245.7 | 1233.4 | 1223.1 | 1216.0 | 1205.7 | 1198.4 | 1188.2 | 1174.9 | 1167.7 |
| 17.5° | 1360.6 | 1346.2 | 1341.1 | 1339.1 | 1322.7 | 1316.5 | 1293.9 | 1270.4 | 1259.1 | 1240.5 | 1230.3 |
| 20°   | 1496.1 | 1493.0 | 1472.4 | 1462.2 | 1441.7 | 1413.0 | 1384.2 | 1353.5 | 1334.9 | 1312.4 | 1300.1 |
| 22.5° | 1648.9 | 1626.4 | 1616.2 | 1600.7 | 1568.9 | 1536.1 | 1493.0 | 1451.9 | 1423.2 | 1407.8 | 1398.5 |
| 25°   | 1827.5 | 1804.9 | 1794.6 | 1774.1 | 1735.1 | 1700.2 | 1646.9 | 1598.7 | 1573.1 | 1547.4 | 1533.0 |
| 27.5° | 2064.6 | 2043.0 | 2030.7 | 1977.3 | 1963.9 | 1906.5 | 1840.8 | 1775.1 | 1741.3 | 1703.3 | 1678.8 |
| 30°   | 2418.5 | 2419.6 | 2356.0 | 2291.3 | 2224.6 | 2125.1 | 2056.3 | 1982.5 | 1927.0 | 1872.6 | 1818.2 |
| 32.5° | 3016.8 | 2863.8 | 2745.9 | 2607.4 | 2462.7 | 2357.0 | 2271.8 | 2183.5 | 2106.6 | 2027.6 | 1937.3 |
| 35°   | 3382.1 | 3308.2 | 3155.2 | 2901.9 | 2756.2 | 2627.9 | 2533.5 | 2426.7 | 2332.3 | 2192.7 | 2055.3 |
| 37.5° | 3794.5 | 3623.2 | 3437.4 | 3296.9 | 3131.7 | 2982.9 | 2824.9 | 2703.8 | 2540.6 | 2352.8 | 2157.9 |
| 40°   | 4396.9 | 4151.6 | 3928.0 | 3739.2 | 3525.7 | 3369.7 | 3193.3 | 3017.8 | 2801.2 | 2529.3 | 2261.6 |
| 42.5° | 5025.9 | 4772.4 | 4476.9 | 4231.7 | 3980.3 | 3797.6 | 3579.1 | 3332.7 | 3014.7 | 2678.1 | 2350.8 |
| 45°   | 5685.7 | 5347.0 | 4993.1 | 4693.4 | 4431.7 | 4205.0 | 3934.1 | 3607.8 | 3219.9 | 2811.5 | 2433.9 |
| 47.5° | 6336.2 | 5947.4 | 5525.6 | 5203.4 | 4862.7 | 4585.7 | 4253.2 | 3840.7 | 3380.0 | 2937.7 | 2517.0 |
| 50°   | 6909.8 | 6535.2 | 6027.4 | 5617.9 | 5273.2 | 4931.5 | 4516.9 | 4020.3 | 3506.2 | 3046.5 | 2591.9 |
| 52.5° | 7404.4 | 7082.2 | 6547.6 | 6030.5 | 5633.4 | 5249.5 | 4729.3 | 4165.0 | 3633.5 | 3147.0 | 2653.5 |
| 55°   | 7767.7 | 7553.2 | 7060.6 | 6419.3 | 5950.4 | 5492.7 | 4908.9 | 4304.6 | 3753.5 | 3227.2 | 2693.6 |
| 57.5° | 8041.6 | 7922.6 | 7499.8 | 6785.6 | 6241.8 | 5728.7 | 5094.6 | 4471.8 | 3872.5 | 3295.9 | 2712.0 |
| 60°   | 8191.4 | 8224.2 | 7832.2 | 7105.8 | 6499.4 | 5925.8 | 5280.3 | 4614.4 | 3960.7 | 3335.9 | 2701.8 |
| 62.5° | 8177.0 | 8378.1 | 8081.7 | 7302.8 | 6649.1 | 6042.7 | 5405.5 | 4681.1 | 3948.5 | 3272.2 | 2608.4 |
| 63°   | 8149.3 | 8383.3 | 8109.3 | 7316.2 | 6658.4 | 6046.8 | 5408.6 | 4671.8 | 3922.8 | 3241.5 | 2571.4 |
| 65°   | 7910.3 | 8265.3 | 8085.7 | 7255.5 | 6576.3 | 5969.8 | 5343.9 | 4538.4 | 3742.2 | 3076.3 | 2381.6 |
| 67.5° | 7269.9 | 7714.3 | 7663.0 | 6827.7 | 6187.5 | 5651.8 | 5013.6 | 4108.5 | 3295.9 | 2669.9 | 2018.3 |
| 70°   | 6212.0 | 6629.6 | 6638.9 | 5938.0 | 5403.4 | 4878.1 | 4347.6 | 3343.0 | 2612.4 | 2069.6 | 1505.3 |
| 72.5° | 4761.1 | 5029.9 | 5123.3 | 4661.6 | 4303.5 | 3934.1 | 3457.9 | 2426.7 | 1862.4 | 1407.8 | 979.9  |
| 75°   | 3686.8 | 3613.0 | 3611.9 | 3416.9 | 3271.2 | 3090.7 | 2567.4 | 1637.6 | 1223.1 | 915.3  | 599.3  |
| 77.5° | 3314.3 | 2986.0 | 2667.9 | 2433.9 | 2317.0 | 2256.4 | 1683.8 | 987.2  | 721.3  | 526.4  | 344.8  |
| 80°   | 2733.6 | 2249.2 | 1817.2 | 1564.8 | 1464.2 | 1534.0 | 938.9  | 533.6  | 395.0  | 299.6  | 223.7  |
| 82.5° | 1885.0 | 1564.8 | 1189.2 | 985.1  | 845.5  | 884.5  | 480.2  | 273.0  | 182.7  | 167.3  | 138.5  |
| 85°   | 982.0  | 860.9  | 726.5  | 623.8  | 551.0  | 484.4  | 249.3  | 130.4  | 76.0   | 66.7   | 60.5   |
| 87.5° | 0.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 |
| 2.5°  | 1085.6 | 1084.6 | 1086.6 | 1087.7 | 1090.8 | 1092.8 | 1093.8 | 1091.8 | 1094.8 | 1097.9 | 1095.9 |
| 5°    | 1114.3 | 1121.6 | 1122.6 | 1125.6 | 1125.6 | 1131.8 | 1131.8 | 1131.8 | 1130.8 | 1131.8 | 1129.7 |
| 7.5°  | 1139.0 | 1148.2 | 1149.2 | 1153.4 | 1154.4 | 1161.6 | 1158.4 | 1160.5 | 1160.5 | 1155.4 | 1153.4 |
| 10°   | 1142.1 | 1151.3 | 1156.4 | 1161.6 | 1168.7 | 1177.9 | 1177.9 | 1183.1 | 1183.1 | 1179.0 | 1177.9 |
| 12.5° | 1143.1 | 1150.3 | 1155.4 | 1162.6 | 1172.8 | 1186.2 | 1193.4 | 1200.5 | 1203.6 | 1202.6 | 1199.5 |
| 15°   | 1164.7 | 1164.7 | 1165.7 | 1171.8 | 1179.0 | 1195.4 | 1205.7 | 1213.9 | 1219.0 | 1217.0 | 1211.8 |
| 17.5° | 1221.0 | 1212.8 | 1206.7 | 1196.5 | 1198.4 | 1206.7 | 1212.8 | 1220.0 | 1221.0 | 1219.0 | 1210.8 |
| 20°   | 1286.7 | 1276.5 | 1261.0 | 1244.7 | 1236.5 | 1230.3 | 1226.2 | 1226.2 | 1223.1 | 1212.8 | 1199.5 |
| 22.5° | 1380.1 | 1366.7 | 1345.2 | 1320.6 | 1304.1 | 1284.7 | 1261.0 | 1238.5 | 1213.9 | 1189.2 | 1160.5 |
| 25°   | 1509.4 | 1490.9 | 1468.4 | 1430.4 | 1395.5 | 1354.5 | 1306.2 | 1256.0 | 1197.5 | 1146.1 | 1104.0 |
| 27.5° | 1639.7 | 1598.7 | 1540.2 | 1487.9 | 1423.2 | 1361.7 | 1292.8 | 1231.3 | 1156.4 | 1094.8 | 1048.7 |
| 30°   | 1747.5 | 1669.4 | 1585.3 | 1502.2 | 1417.1 | 1333.9 | 1251.8 | 1177.9 | 1095.9 | 1033.3 | 988.2  |
| 32.5° | 1830.6 | 1722.8 | 1605.9 | 1497.1 | 1392.4 | 1290.9 | 1196.5 | 1114.3 | 1031.2 | 966.6  | 918.3  |
| 35°   | 1907.6 | 1757.7 | 1608.9 | 1474.5 | 1345.2 | 1239.6 | 1132.8 | 1043.5 | 955.3  | 887.6  | 835.2  |
| 37.5° | 1965.0 | 1774.1 | 1590.5 | 1432.4 | 1283.6 | 1165.7 | 1056.9 | 965.6  | 875.2  | 801.3  | 741.9  |
| 40°   | 2002.0 | 1763.8 | 1550.5 | 1371.9 | 1210.8 | 1086.6 | 975.9  | 881.5  | 794.2  | 713.2  | 641.3  |
| 42.5° | 2031.7 | 1750.6 | 1510.5 | 1316.5 | 1153.4 | 1017.9 | 904.0  | 802.4  | 714.2  | 625.9  | 546.9  |
| 45°   | 2075.9 | 1760.8 | 1493.0 | 1277.5 | 1102.1 | 959.4  | 834.2  | 728.5  | 636.2  | 549.9  | 474.1  |
| 47.5° | 2118.9 | 1765.9 | 1467.4 | 1229.2 | 1037.4 | 898.9  | 771.6  | 669.0  | 574.6  | 495.6  | 425.8  |
| 50°   | 2157.9 | 1762.8 | 1427.4 | 1167.7 | 974.8  | 838.3  | 715.2  | 612.5  | 519.2  | 446.3  | 380.7  |
| 52.5° | 2176.4 | 1745.4 | 1378.0 | 1108.2 | 924.6  | 785.0  | 659.8  | 560.2  | 467.9  | 399.2  | 338.7  |
| 55°   | 2174.3 | 1700.2 | 1313.4 | 1051.7 | 869.1  | 728.5  | 605.4  | 506.9  | 423.7  | 360.2  | 307.9  |
| 57.5° | 2143.5 | 1630.5 | 1244.7 | 989.1  | 796.3  | 658.8  | 541.8  | 446.3  | 376.6  | 323.2  | 279.1  |
| 60°   | 2078.9 | 1541.2 | 1154.4 | 897.8  | 705.0  | 572.5  | 462.8  | 380.7  | 324.2  | 283.2  | 254.5  |
| 62.5° | 1957.8 | 1413.0 | 1041.5 | 770.6  | 581.8  | 460.7  | 365.3  | 311.9  | 269.8  | 245.3  | 231.9  |
| 63°   | 1921.9 | 1378.0 | 993.3  | 739.8  | 553.1  | 435.0  | 344.8  | 289.3  | 258.5  | 237.0  | 224.8  |
| 65°   | 1743.3 | 1206.7 | 831.2  | 597.2  | 429.9  | 335.5  | 277.1  | 235.0  | 216.5  | 207.3  | 206.2  |
| 67.5° | 1411.9 | 949.1  | 588.0  | 409.4  | 292.4  | 242.2  | 212.4  | 194.9  | 186.7  | 184.7  | 186.7  |
| 70°   | 991.2  | 599.3  | 373.5  | 271.9  | 216.5  | 194.9  | 181.7  | 174.4  | 169.3  | 170.4  | 172.4  |
| 72.5° | 632.1  | 359.2  | 256.5  | 206.2  | 182.7  | 171.4  | 165.2  | 163.1  | 162.2  | 161.1  | 161.1  |
| 75°   | 360.2  | 239.1  | 197.0  | 178.5  | 166.2  | 157.0  | 151.8  | 149.8  | 150.9  | 151.8  | 149.8  |
| 77.5° | 238.0  | 197.0  | 175.4  | 163.1  | 151.8  | 141.6  | 138.5  | 137.5  | 139.6  | 141.6  | 141.6  |
| 80°   | 187.8  | 175.4  | 163.1  | 150.9  | 132.3  | 125.2  | 127.3  | 128.3  | 127.3  | 128.3  | 125.2  |
| 82.5° | 132.3  | 130.4  | 133.4  | 128.3  | 109.8  | 103.6  | 101.6  | 102.6  | 100.5  | 100.5  | 98.5   |
| 85°   | 61.6   | 61.6   | 64.7   | 64.7   | 62.6   | 63.6   | 68.7   | 74.9   | 78.0   | 74.9   | 70.8   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 9.2    | 18.4   | 26.6   | 28.7   | 36.0   | 34.9   |
| 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: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 |
| 2.5°  | 1092.8 | 1094.8 | 1093.8 | 1092.8 | 1094.8 | 1092.8 | 1093.8 | 1092.8 | 1092.8 | 1091.8 | 1091.8 |
| 5°    | 1127.7 | 1130.8 | 1124.7 | 1123.6 | 1121.6 | 1116.4 | 1116.4 | 1114.3 | 1114.3 | 1110.3 | 1107.2 |
| 7.5°  | 1150.3 | 1151.3 | 1146.1 | 1145.2 | 1140.0 | 1134.9 | 1130.8 | 1126.6 | 1125.6 | 1122.6 | 1116.4 |
| 10°   | 1171.8 | 1169.7 | 1165.7 | 1160.5 | 1155.4 | 1148.2 | 1143.1 | 1137.9 | 1136.9 | 1131.8 | 1124.7 |
| 12.5° | 1190.3 | 1189.2 | 1181.0 | 1176.0 | 1167.7 | 1160.5 | 1154.4 | 1148.2 | 1145.2 | 1139.0 | 1128.7 |
| 15°   | 1202.6 | 1196.5 | 1186.2 | 1176.9 | 1167.7 | 1159.5 | 1152.3 | 1145.2 | 1142.1 | 1134.9 | 1124.7 |
| 17.5° | 1197.5 | 1186.2 | 1172.8 | 1161.6 | 1149.2 | 1139.0 | 1132.8 | 1125.6 | 1120.5 | 1116.4 | 1102.1 |
| 20°   | 1179.0 | 1162.6 | 1142.1 | 1128.7 | 1112.3 | 1099.0 | 1094.8 | 1087.7 | 1083.5 | 1068.2 | 1049.7 |
| 22.5° | 1130.8 | 1107.2 | 1081.6 | 1062.0 | 1043.5 | 1030.3 | 1020.0 | 1012.7 | 1002.5 | 993.3  | 964.6  |
| 25°   | 1070.3 | 1043.5 | 1016.9 | 993.3  | 968.6  | 948.1  | 929.6  | 912.2  | 907.0  | 887.6  | 859.9  |
| 27.5° | 1011.7 | 982.0  | 955.3  | 927.6  | 895.8  | 870.2  | 838.3  | 813.7  | 797.3  | 776.8  | 751.1  |
| 30°   | 949.1  | 919.4  | 883.5  | 846.5  | 809.6  | 781.9  | 746.0  | 716.3  | 695.8  | 674.2  | 650.6  |
| 32.5° | 870.2  | 834.2  | 791.1  | 750.1  | 716.3  | 683.4  | 647.5  | 618.8  | 598.2  | 578.8  | 556.2  |
| 35°   | 779.8  | 732.6  | 686.4  | 641.3  | 605.4  | 577.7  | 545.9  | 524.4  | 509.9  | 492.5  | 468.9  |
| 37.5° | 676.2  | 622.8  | 573.6  | 538.8  | 506.9  | 480.2  | 457.6  | 444.4  | 428.9  | 419.7  | 405.3  |
| 40°   | 571.5  | 519.2  | 471.0  | 439.2  | 412.5  | 397.1  | 384.8  | 381.8  | 371.4  | 359.2  | 349.9  |
| 42.5° | 479.2  | 428.9  | 381.8  | 356.1  | 338.7  | 334.5  | 328.4  | 328.4  | 323.2  | 314.0  | 307.9  |
| 45°   | 416.6  | 364.2  | 323.2  | 304.8  | 295.5  | 294.5  | 291.4  | 291.4  | 290.4  | 286.3  | 279.1  |
| 47.5° | 371.4  | 324.2  | 292.4  | 281.1  | 279.1  | 277.1  | 274.0  | 273.0  | 271.9  | 268.8  | 264.8  |
| 50°   | 330.4  | 290.4  | 269.8  | 264.8  | 265.8  | 262.7  | 259.6  | 256.5  | 255.5  | 252.4  | 248.3  |
| 52.5° | 292.4  | 263.7  | 250.4  | 247.3  | 247.3  | 247.3  | 245.3  | 245.3  | 243.2  | 242.2  | 238.0  |
| 55°   | 270.9  | 249.3  | 242.2  | 241.1  | 240.1  | 239.1  | 237.0  | 237.0  | 235.0  | 234.0  | 228.8  |
| 57.5° | 252.4  | 239.1  | 235.0  | 233.0  | 231.9  | 229.8  | 228.8  | 228.8  | 228.8  | 228.8  | 222.7  |
| 60°   | 238.0  | 231.9  | 230.9  | 228.8  | 227.8  | 223.7  | 221.7  | 220.6  | 221.7  | 222.7  | 216.5  |
| 62.5° | 222.7  | 221.7  | 220.6  | 218.5  | 217.5  | 213.5  | 210.4  | 208.3  | 210.4  | 212.4  | 211.4  |
| 63°   | 218.5  | 217.5  | 217.5  | 216.5  | 215.4  | 210.4  | 207.3  | 205.2  | 207.3  | 209.3  | 209.3  |
| 65°   | 204.1  | 205.2  | 205.2  | 204.1  | 203.2  | 200.1  | 196.0  | 193.9  | 194.9  | 198.0  | 199.1  |
| 67.5° | 188.8  | 189.8  | 188.8  | 189.8  | 188.8  | 186.7  | 183.6  | 181.7  | 180.6  | 181.7  | 182.7  |
| 70°   | 174.4  | 176.5  | 175.4  | 174.4  | 173.4  | 173.4  | 171.4  | 168.3  | 167.3  | 166.2  | 166.2  |
| 72.5° | 162.2  | 162.2  | 160.1  | 160.1  | 159.1  | 159.1  | 157.0  | 153.9  | 152.8  | 152.8  | 150.9  |
| 75°   | 148.8  | 148.8  | 145.7  | 145.7  | 143.6  | 144.7  | 142.6  | 139.6  | 138.5  | 138.5  | 137.5  |
| 77.5° | 140.6  | 137.5  | 132.3  | 131.3  | 130.4  | 130.4  | 129.3  | 126.2  | 125.2  | 125.2  | 124.1  |
| 80°   | 124.1  | 118.0  | 112.8  | 111.8  | 112.8  | 114.9  | 114.9  | 112.8  | 112.8  | 112.8  | 112.8  |
| 82.5° | 96.5   | 94.4   | 91.3   | 89.2   | 89.2   | 92.3   | 96.5   | 98.5   | 100.5  | 102.6  | 102.6  |
| 85°   | 70.8   | 71.8   | 70.8   | 67.8   | 66.7   | 69.7   | 73.9   | 78.0   | 79.0   | 83.1   | 82.1   |
| 87.5° | 37.9   | 39.0   | 36.0   | 34.9   | 37.9   | 40.0   | 44.1   | 45.2   | 47.2   | 48.2   | 49.2   |
| 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: P152732

CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 |
| 2.5°  | 1090.8 | 1089.7 | 1090.8 | 1088.7 | 1088.7 | 1086.6 | 1084.6 | 1083.5 | 1081.6 | 1080.5 | 1078.4 |
| 5°    | 1109.2 | 1106.1 | 1103.1 | 1102.1 | 1097.9 | 1093.8 | 1090.8 | 1085.6 | 1081.6 | 1074.3 | 1072.3 |
| 7.5°  | 1121.6 | 1114.3 | 1110.3 | 1109.2 | 1103.1 | 1100.0 | 1092.8 | 1086.6 | 1080.5 | 1071.3 | 1068.2 |
| 10°   | 1126.6 | 1119.5 | 1112.3 | 1109.2 | 1102.1 | 1096.9 | 1089.7 | 1080.5 | 1075.3 | 1066.1 | 1064.0 |
| 12.5° | 1132.8 | 1119.5 | 1108.2 | 1100.0 | 1089.7 | 1078.4 | 1071.3 | 1066.1 | 1059.0 | 1053.8 | 1051.7 |
| 15°   | 1121.6 | 1104.0 | 1086.6 | 1071.3 | 1054.8 | 1042.5 | 1035.3 | 1027.2 | 1019.0 | 1015.9 | 1015.9 |
| 17.5° | 1090.8 | 1068.2 | 1038.4 | 1019.0 | 1001.5 | 988.2  | 978.9  | 970.7  | 969.6  | 965.6  | 967.7  |
| 20°   | 1027.2 | 997.4  | 968.6  | 954.3  | 944.0  | 935.9  | 926.5  | 922.5  | 919.4  | 913.3  | 911.2  |
| 22.5° | 938.9  | 914.3  | 893.8  | 883.5  | 875.2  | 865.0  | 856.8  | 844.5  | 841.5  | 835.2  | 832.1  |
| 25°   | 841.5  | 821.9  | 804.5  | 797.3  | 792.1  | 777.8  | 772.6  | 756.3  | 745.0  | 737.7  | 741.9  |
| 27.5° | 743.9  | 729.5  | 713.2  | 703.9  | 700.8  | 687.5  | 682.4  | 663.9  | 654.6  | 654.6  | 644.4  |
| 30°   | 643.4  | 630.1  | 619.8  | 609.5  | 607.5  | 591.1  | 577.7  | 570.5  | 560.2  | 556.2  | 549.0  |
| 32.5° | 549.0  | 535.6  | 527.5  | 522.3  | 514.1  | 500.7  | 487.4  | 475.1  | 458.7  | 452.5  | 449.4  |
| 35°   | 461.8  | 451.5  | 441.2  | 437.1  | 425.8  | 411.5  | 395.0  | 384.8  | 365.3  | 358.1  | 355.0  |
| 37.5° | 395.0  | 382.7  | 375.5  | 364.2  | 353.0  | 337.6  | 325.3  | 316.1  | 308.8  | 305.8  | 305.8  |
| 40°   | 341.7  | 332.4  | 324.2  | 315.0  | 305.8  | 297.6  | 291.4  | 289.3  | 288.3  | 288.3  | 290.4  |
| 42.5° | 301.7  | 293.5  | 289.3  | 284.2  | 281.1  | 281.1  | 280.1  | 281.1  | 282.2  | 283.2  | 286.3  |
| 45°   | 275.0  | 269.8  | 267.8  | 266.7  | 268.8  | 270.9  | 271.9  | 274.0  | 278.0  | 280.1  | 281.1  |
| 47.5° | 260.6  | 256.5  | 255.5  | 256.5  | 259.6  | 263.7  | 267.8  | 270.9  | 274.0  | 275.0  | 276.1  |
| 50°   | 246.2  | 241.1  | 239.1  | 241.1  | 245.3  | 251.4  | 254.5  | 259.6  | 261.7  | 263.7  | 261.7  |
| 52.5° | 234.0  | 229.8  | 228.8  | 228.8  | 233.0  | 237.0  | 241.1  | 245.3  | 246.2  | 246.2  | 245.3  |
| 55°   | 223.7  | 220.6  | 217.5  | 219.6  | 222.7  | 226.7  | 233.0  | 236.0  | 238.0  | 239.1  | 239.1  |
| 57.5° | 215.4  | 212.4  | 209.3  | 211.4  | 214.5  | 218.5  | 224.8  | 227.8  | 229.8  | 233.0  | 234.0  |
| 60°   | 209.3  | 205.2  | 202.2  | 205.2  | 208.3  | 214.5  | 219.6  | 222.7  | 227.8  | 228.8  | 228.8  |
| 62.5° | 203.2  | 199.1  | 193.9  | 197.0  | 197.0  | 200.1  | 205.2  | 209.3  | 214.5  | 216.5  | 216.5  |
| 63°   | 202.2  | 198.0  | 193.0  | 194.9  | 194.9  | 197.0  | 201.1  | 205.2  | 211.4  | 213.5  | 212.4  |
| 65°   | 193.9  | 193.0  | 187.8  | 187.8  | 185.7  | 187.8  | 190.9  | 194.9  | 198.0  | 201.1  | 201.1  |
| 67.5° | 180.6  | 179.6  | 178.5  | 178.5  | 178.5  | 180.6  | 182.7  | 185.7  | 188.8  | 190.9  | 189.8  |
| 70°   | 165.2  | 165.2  | 165.2  | 166.2  | 166.2  | 168.3  | 169.3  | 168.3  | 171.4  | 173.4  | 172.4  |
| 72.5° | 151.8  | 150.9  | 149.8  | 151.8  | 150.9  | 150.9  | 152.8  | 151.8  | 154.9  | 154.9  | 156.0  |
| 75°   | 137.5  | 136.5  | 136.5  | 137.5  | 135.4  | 133.4  | 134.4  | 134.4  | 135.4  | 135.4  | 137.5  |
| 77.5° | 125.2  | 125.2  | 125.2  | 124.1  | 122.1  | 121.0  | 120.1  | 120.1  | 120.1  | 120.1  | 121.0  |
| 80°   | 113.9  | 113.9  | 113.9  | 112.8  | 110.8  | 108.8  | 106.7  | 105.7  | 104.7  | 99.5   | 99.5   |
| 82.5° | 102.6  | 102.6  | 102.6  | 102.6  | 101.6  | 99.5   | 96.5   | 88.3   | 84.1   | 80.0   | 81.0   |
| 85°   | 81.0   | 83.1   | 85.2   | 88.3   | 87.3   | 87.3   | 81.0   | 70.8   | 64.7   | 60.5   | 61.6   |
| 87.5° | 52.3   | 46.2   | 46.2   | 45.2   | 43.1   | 41.0   | 41.0   | 34.9   | 28.7   | 25.7   | 26.6   |
| 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: P152732  
CATALOG NUMBER: VXS-E03-LED-E1-SLL-7060

REPORT N  
CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 0°    |
| 2.5°  | 1078.4 | 1076.4 | 1074.3 | 1074.3 | 1071.3 | 1071.3 | 1069.2 | 1073.3 | 1069.2 | 1066.1 | 1066.1 | 2.5°  |
| 5°    | 1070.3 | 1068.2 | 1062.0 | 1061.0 | 1056.9 | 1056.9 | 1056.9 | 1054.8 | 1054.8 | 1052.7 | 1051.7 | 5°    |
| 7.5°  | 1065.1 | 1060.0 | 1054.8 | 1051.7 | 1051.7 | 1049.7 | 1053.8 | 1051.7 | 1052.7 | 1052.7 | 1053.8 | 7.5°  |
| 10°   | 1061.0 | 1056.9 | 1054.8 | 1053.8 | 1053.8 | 1056.9 | 1060.0 | 1061.0 | 1060.0 | 1061.0 | 1061.0 | 10°   |
| 12.5° | 1050.8 | 1052.7 | 1053.8 | 1057.9 | 1063.0 | 1069.2 | 1076.4 | 1077.4 | 1079.5 | 1079.5 | 1081.6 | 12.5° |
| 15°   | 1017.9 | 1023.0 | 1029.2 | 1039.5 | 1052.7 | 1066.1 | 1079.5 | 1090.8 | 1101.0 | 1106.1 | 1110.3 | 15°   |
| 17.5° | 971.7  | 976.9  | 988.2  | 999.4  | 1016.9 | 1036.4 | 1059.0 | 1078.4 | 1100.0 | 1119.5 | 1139.0 | 17.5° |
| 20°   | 909.1  | 917.3  | 920.4  | 940.9  | 961.5  | 988.2  | 1014.8 | 1045.6 | 1082.6 | 1119.5 | 1157.4 | 20°   |
| 22.5° | 828.1  | 837.3  | 851.7  | 868.1  | 889.6  | 922.5  | 954.3  | 1002.5 | 1051.7 | 1104.0 | 1163.6 | 22.5° |
| 25°   | 737.7  | 748.0  | 760.3  | 777.8  | 799.4  | 834.2  | 880.4  | 931.7  | 992.2  | 1061.0 | 1134.9 | 25°   |
| 27.5° | 644.4  | 654.6  | 664.9  | 677.2  | 701.9  | 738.8  | 793.2  | 846.5  | 913.3  | 988.2  | 1074.3 | 27.5° |
| 30°   | 551.0  | 552.0  | 558.2  | 573.6  | 599.3  | 647.5  | 687.5  | 754.2  | 823.9  | 903.0  | 1002.5 | 30°   |
| 32.5° | 448.4  | 447.4  | 454.6  | 467.9  | 492.5  | 538.8  | 588.0  | 652.6  | 721.3  | 820.9  | 923.5  | 32.5° |
| 35°   | 357.1  | 357.1  | 370.5  | 383.7  | 411.5  | 444.4  | 487.4  | 544.9  | 625.9  | 718.2  | 820.9  | 35°   |
| 37.5° | 308.8  | 316.1  | 324.2  | 337.6  | 359.2  | 384.8  | 422.8  | 473.1  | 536.7  | 624.9  | 719.3  | 37.5° |
| 40°   | 293.5  | 297.6  | 304.8  | 317.1  | 335.5  | 359.2  | 386.8  | 424.8  | 474.1  | 544.9  | 631.1  | 40°   |
| 42.5° | 287.4  | 288.3  | 292.4  | 301.7  | 318.1  | 341.7  | 370.5  | 404.2  | 441.2  | 491.5  | 566.4  | 42.5° |
| 45°   | 281.1  | 280.1  | 282.2  | 289.3  | 302.7  | 329.4  | 362.2  | 399.2  | 436.1  | 478.1  | 539.7  | 45°   |
| 47.5° | 276.1  | 276.1  | 276.1  | 279.1  | 291.4  | 318.1  | 356.1  | 399.2  | 443.3  | 490.5  | 551.0  | 47.5° |
| 50°   | 261.7  | 260.6  | 260.6  | 262.7  | 271.9  | 300.6  | 345.8  | 398.1  | 455.5  | 517.2  | 585.9  | 50°   |
| 52.5° | 245.3  | 245.3  | 246.2  | 247.3  | 255.5  | 284.2  | 334.5  | 398.1  | 469.9  | 552.0  | 638.2  | 52.5° |
| 55°   | 240.1  | 241.1  | 242.2  | 241.1  | 247.3  | 271.9  | 322.2  | 392.0  | 476.1  | 579.8  | 694.7  | 55°   |
| 57.5° | 236.0  | 238.0  | 238.0  | 237.0  | 241.1  | 261.7  | 309.8  | 379.7  | 471.0  | 590.1  | 734.7  | 57.5° |
| 60°   | 229.8  | 229.8  | 229.8  | 226.7  | 228.8  | 247.3  | 291.4  | 360.2  | 454.6  | 580.7  | 740.8  | 60°   |
| 62.5° | 216.5  | 216.5  | 214.5  | 213.5  | 212.4  | 226.7  | 266.7  | 331.4  | 424.8  | 556.2  | 725.5  | 62.5° |
| 63°   | 213.5  | 212.4  | 212.4  | 209.3  | 209.3  | 222.7  | 261.7  | 327.4  | 416.6  | 549.9  | 719.3  | 63°   |
| 65°   | 202.2  | 202.2  | 202.2  | 200.1  | 199.1  | 209.3  | 241.1  | 298.5  | 384.8  | 521.2  | 688.5  | 65°   |
| 67.5° | 189.8  | 190.9  | 188.8  | 187.8  | 186.7  | 193.0  | 217.5  | 262.7  | 335.5  | 460.7  | 631.1  | 67.5° |
| 70°   | 172.4  | 173.4  | 173.4  | 172.4  | 171.4  | 175.4  | 190.9  | 225.7  | 278.0  | 383.7  | 537.7  | 70°   |
| 72.5° | 157.0  | 159.1  | 159.1  | 161.1  | 161.1  | 164.1  | 170.4  | 187.8  | 222.7  | 299.6  | 422.8  | 72.5° |
| 75°   | 140.6  | 141.6  | 143.6  | 145.7  | 143.6  | 142.6  | 143.6  | 157.0  | 174.4  | 221.7  | 301.7  | 75°   |
| 77.5° | 126.2  | 129.3  | 129.3  | 128.3  | 125.2  | 123.1  | 123.1  | 129.3  | 143.6  | 168.3  | 215.4  | 77.5° |
| 80°   | 104.7  | 109.8  | 110.8  | 107.8  | 104.7  | 104.7  | 106.7  | 110.8  | 120.1  | 138.5  | 163.1  | 80°   |
| 82.5° | 84.1   | 89.2   | 90.3   | 91.3   | 90.3   | 93.4   | 93.4   | 94.4   | 99.5   | 113.9  | 133.4  | 82.5° |
| 85°   | 64.7   | 68.7   | 71.8   | 72.8   | 73.9   | 74.9   | 73.9   | 68.7   | 71.8   | 81.0   | 90.3   | 85°   |
| 87.5° | 28.7   | 29.7   | 27.7   | 28.7   | 27.7   | 28.7   | 29.7   | 24.7   | 23.6   | 31.8   | 32.8   | 87.5° |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90°   |

NUMBER: P152732

NUMBER: VXS-E03-LED-E1-SLL-7060

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 | 1076.4 |
| 1065.1 | 1065.1 | 1066.1 | 1064.0 | 1064.0 | 1065.1 | 1062.0 |
| 1048.7 | 1052.7 | 1052.7 | 1052.7 | 1050.8 | 1052.7 | 1053.8 |
| 1052.7 | 1055.9 | 1057.9 | 1057.9 | 1056.9 | 1061.0 | 1064.0 |
| 1057.9 | 1063.0 | 1065.1 | 1065.1 | 1065.1 | 1070.3 | 1077.4 |
| 1077.4 | 1081.6 | 1084.6 | 1084.6 | 1086.6 | 1092.8 | 1101.0 |
| 1113.4 | 1118.4 | 1118.4 | 1117.4 | 1123.6 | 1130.8 | 1140.0 |
| 1153.4 | 1167.7 | 1174.9 | 1173.9 | 1179.0 | 1188.2 | 1198.4 |
| 1191.3 | 1231.3 | 1248.8 | 1261.0 | 1266.2 | 1278.5 | 1281.6 |
| 1223.1 | 1289.8 | 1338.0 | 1379.1 | 1398.5 | 1410.9 | 1425.3 |
| 1211.8 | 1302.2 | 1388.3 | 1472.4 | 1532.0 | 1592.5 | 1618.1 |
| 1165.7 | 1278.5 | 1391.4 | 1514.5 | 1622.3 | 1730.1 | 1808.0 |
| 1109.2 | 1244.7 | 1396.6 | 1571.0 | 1741.3 | 1906.5 | 2037.8 |
| 1044.6 | 1212.8 | 1407.8 | 1623.3 | 1846.9 | 2063.5 | 2253.4 |
| 963.5  | 1152.3 | 1380.1 | 1628.4 | 1892.1 | 2154.8 | 2401.0 |
| 860.9  | 1070.3 | 1315.4 | 1591.5 | 1894.2 | 2194.8 | 2489.3 |
| 758.3  | 966.6  | 1233.4 | 1538.1 | 1867.5 | 2204.0 | 2544.8 |
| 686.4  | 874.2  | 1150.3 | 1470.4 | 1824.5 | 2189.7 | 2571.4 |
| 637.2  | 807.6  | 1076.4 | 1408.8 | 1778.2 | 2164.0 | 2575.5 |
| 633.1  | 778.9  | 1028.2 | 1363.7 | 1741.3 | 2141.5 | 2575.5 |
| 668.0  | 794.2  | 1011.7 | 1341.1 | 1725.9 | 2134.3 | 2577.6 |
| 733.7  | 855.8  | 1041.5 | 1358.5 | 1738.2 | 2143.5 | 2586.8 |
| 812.6  | 949.1  | 1121.6 | 1419.1 | 1790.6 | 2174.3 | 2607.4 |
| 884.5  | 1056.9 | 1258.0 | 1536.1 | 1886.0 | 2252.3 | 2664.8 |
| 926.5  | 1149.2 | 1402.7 | 1700.2 | 2049.1 | 2407.3 | 2779.7 |
| 931.7  | 1200.5 | 1531.0 | 1878.8 | 2247.2 | 2584.8 | 2963.4 |
| 927.6  | 1204.7 | 1547.4 | 1912.6 | 2289.2 | 2628.9 | 3027.0 |
| 905.0  | 1205.7 | 1593.6 | 2031.7 | 2434.9 | 2814.6 | 3204.6 |
| 847.6  | 1172.8 | 1609.9 | 2125.1 | 2618.7 | 3058.9 | 3536.0 |
| 748.0  | 1079.5 | 1561.8 | 2127.2 | 2689.4 | 3195.3 | 3745.3 |
| 601.3  | 902.0  | 1353.5 | 1935.2 | 2502.7 | 3060.8 | 3690.9 |
| 440.2  | 662.9  | 1023.0 | 1499.2 | 2042.0 | 2547.8 | 3161.5 |
| 292.4  | 428.9  | 689.5  | 1068.2 | 1464.2 | 1833.7 | 2275.9 |
| 201.1  | 265.8  | 403.2  | 642.4  | 895.8  | 1075.3 | 1449.8 |
| 147.8  | 175.4  | 223.7  | 328.4  | 431.0  | 530.5  | 757.3  |
| 92.3   | 100.5  | 111.8  | 162.2  | 231.9  | 313.0  | 472.0  |
| 24.7   | 25.7   | 23.6   | 31.8   | 50.3   | 48.2   | 53.4   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)