

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: P152148

Luminaire Tested: **VXS-E02-LED-E1-SL4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152148  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E02-LED-E1-SL4-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4986.5 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B1 - 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: 25 FT

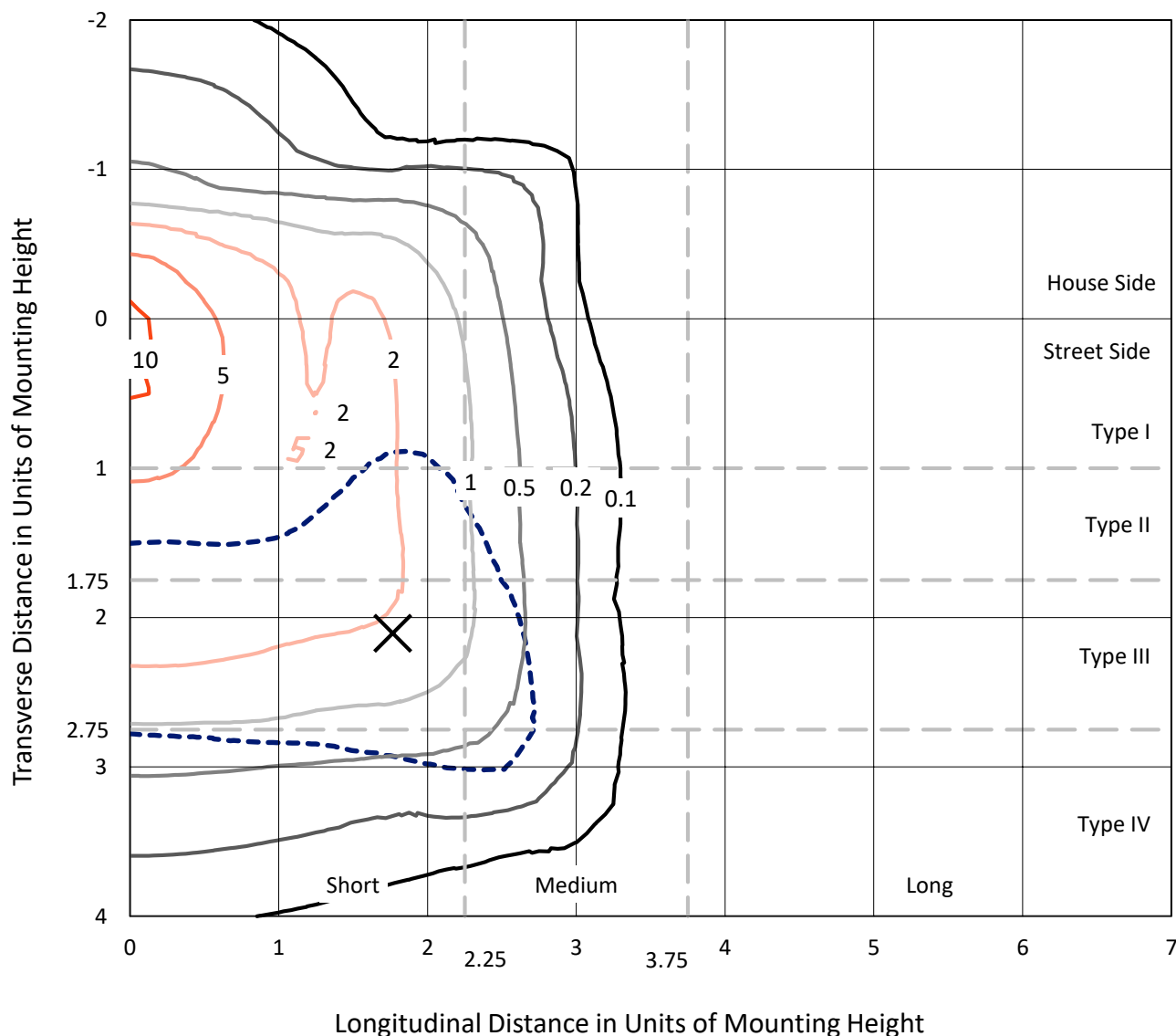


REPORT NUMBER: P152148

CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

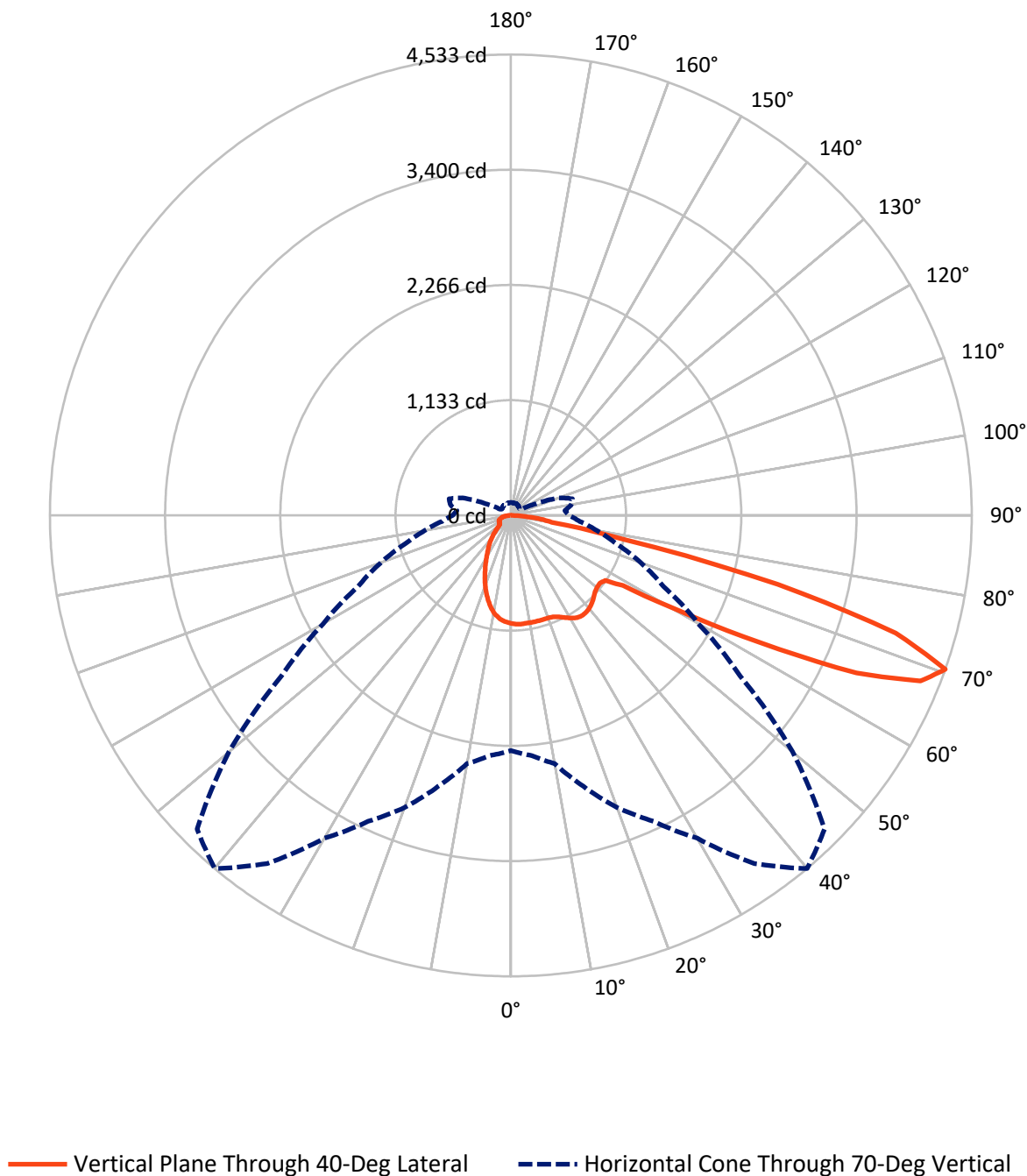


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type IV - Short - Full Cutoff

REPORT NUMBER: P152148

CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

## Luminous Intensity Polar Plot



REPORT NUMBER: P152148

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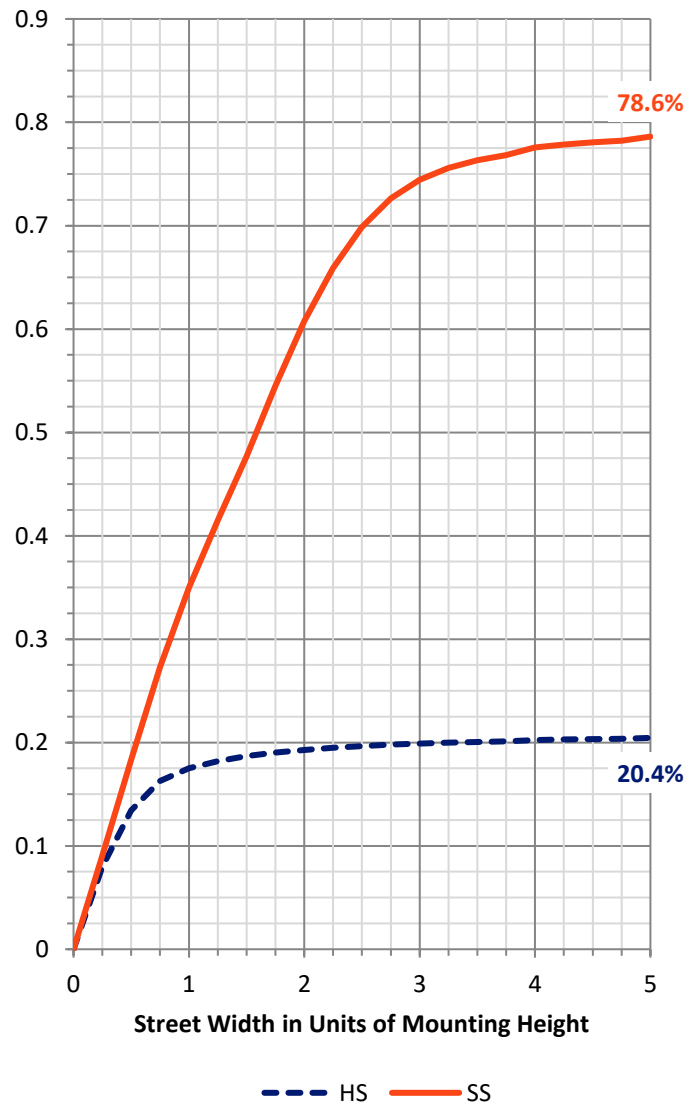
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1035.1   | 0.0    | 1035.1 |
|                    | % Fixture | 20.8     | 0.0    | 20.8   |
| <b>Street Side</b> | Lumens    | 3951.4   | 0.0    | 3951.4 |
|                    | % Fixture | 79.2     | 0.0    | 79.2   |
| <b>Total</b>       | Lumens    | 4986.5   | 0.0    | 4986.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.4   | 2.0       |
| 10°-20°   | 272.1  | 5.5       |
| 20°-30°   | 402.8  | 8.1       |
| 30°-40°   | 509.1  | 10.2      |
| 40°-50°   | 575.7  | 11.5      |
| 50°-60°   | 819.3  | 16.4      |
| 60°-70°   | 1525.8 | 30.6      |
| 70°-80°   | 699.3  | 14.0      |
| 80°-90°   | 83.0   | 1.7       |
| 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°    | 4986.5 | 100.0     |
| 0°-180°   | 4986.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P152148

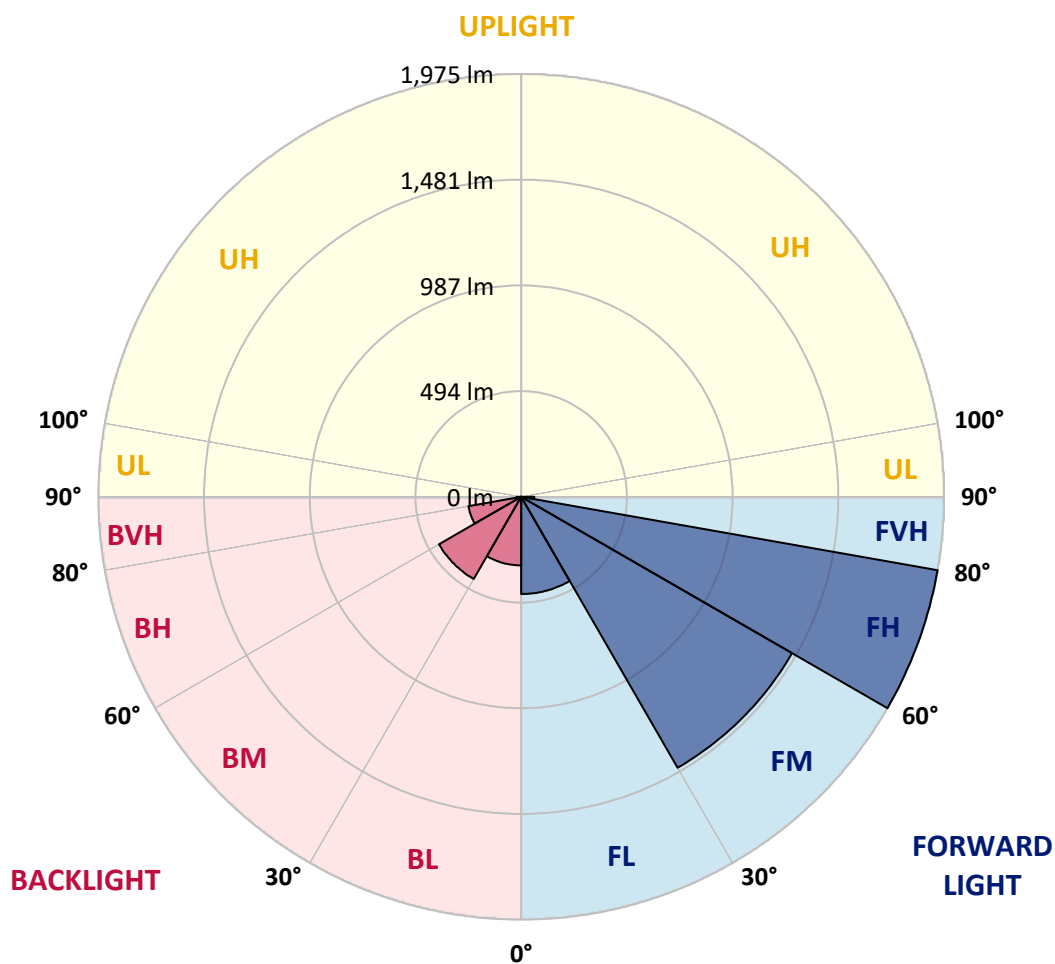
CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 454.1  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 1460.9 | 29.3      |                         |      |         |
| FH   | (60°-80°)   | 1974.8 | 39.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 61.6   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 320.3  | 6.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 443.2  | 8.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 250.2  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 21.4   | 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-G2**

Type IV Short



REPORT NUMBER: P152148

CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 |
| 2.5°  | 1080.3 | 1083.1 | 1079.8 | 1079.2 | 1079.2 | 1078.7 | 1075.2 | 1074.7 | 1070.2 | 1070.8 | 1071.9 |
| 5°    | 1088.2 | 1089.3 | 1087.0 | 1086.5 | 1085.4 | 1083.1 | 1080.3 | 1076.9 | 1073.6 | 1070.2 | 1067.4 |
| 7.5°  | 1096.1 | 1094.9 | 1093.3 | 1093.3 | 1091.6 | 1088.2 | 1082.6 | 1078.0 | 1070.8 | 1066.8 | 1061.8 |
| 10°   | 1107.4 | 1105.6 | 1103.4 | 1102.3 | 1099.5 | 1094.4 | 1086.5 | 1080.3 | 1071.3 | 1063.4 | 1055.0 |
| 12.5° | 1118.0 | 1117.4 | 1114.1 | 1112.3 | 1107.9 | 1102.8 | 1093.3 | 1083.7 | 1071.9 | 1059.5 | 1048.2 |
| 15°   | 1137.1 | 1134.9 | 1131.5 | 1128.1 | 1120.8 | 1114.1 | 1099.5 | 1088.2 | 1071.3 | 1055.0 | 1037.5 |
| 17.5° | 1170.4 | 1166.4 | 1163.0 | 1155.8 | 1146.7 | 1134.9 | 1113.5 | 1094.4 | 1071.3 | 1047.7 | 1028.0 |
| 20°   | 1231.1 | 1222.7 | 1218.1 | 1208.6 | 1192.8 | 1171.5 | 1138.2 | 1107.4 | 1073.0 | 1042.6 | 1016.2 |
| 22.5° | 1299.8 | 1294.1 | 1288.0 | 1281.8 | 1257.0 | 1226.0 | 1181.0 | 1134.9 | 1083.1 | 1040.3 | 1006.6 |
| 25°   | 1376.8 | 1369.5 | 1366.1 | 1355.4 | 1332.3 | 1296.9 | 1235.6 | 1171.5 | 1106.2 | 1049.3 | 1006.6 |
| 27.5° | 1445.5 | 1443.2 | 1442.7 | 1430.3 | 1408.3 | 1366.7 | 1294.1 | 1217.0 | 1137.7 | 1068.0 | 1015.0 |
| 30°   | 1508.0 | 1505.7 | 1504.6 | 1497.8 | 1472.4 | 1423.0 | 1344.1 | 1257.5 | 1172.0 | 1093.8 | 1030.8 |
| 32.5° | 1574.3 | 1567.0 | 1563.6 | 1550.7 | 1522.0 | 1464.0 | 1374.0 | 1284.0 | 1199.1 | 1119.2 | 1048.2 |
| 35°   | 1628.3 | 1622.2 | 1615.4 | 1596.8 | 1556.3 | 1487.7 | 1386.9 | 1293.0 | 1209.7 | 1133.2 | 1057.2 |
| 37.5° | 1667.8 | 1661.6 | 1652.0 | 1628.3 | 1578.2 | 1495.5 | 1386.4 | 1290.2 | 1205.8 | 1131.0 | 1059.0 |
| 40°   | 1685.2 | 1679.0 | 1668.8 | 1639.1 | 1582.2 | 1491.1 | 1375.8 | 1277.2 | 1194.0 | 1119.2 | 1052.1 |
| 42.5° | 1678.4 | 1673.9 | 1660.9 | 1632.2 | 1569.8 | 1470.8 | 1354.3 | 1253.1 | 1171.5 | 1100.0 | 1037.0 |
| 45°   | 1652.5 | 1649.1 | 1636.8 | 1606.4 | 1541.7 | 1438.1 | 1322.8 | 1222.7 | 1144.5 | 1076.4 | 1016.7 |
| 47.5° | 1613.7 | 1612.5 | 1600.2 | 1570.4 | 1506.2 | 1405.5 | 1290.2 | 1192.8 | 1117.4 | 1053.3 | 999.9  |
| 50°   | 1571.0 | 1565.3 | 1559.2 | 1531.6 | 1473.1 | 1377.4 | 1266.5 | 1174.3 | 1102.3 | 1044.9 | 992.5  |
| 52.5° | 1543.9 | 1542.3 | 1536.6 | 1511.9 | 1455.6 | 1361.0 | 1255.9 | 1167.6 | 1101.1 | 1043.2 | 988.6  |
| 55°   | 1783.6 | 1787.6 | 1735.9 | 1628.3 | 1533.8 | 1406.1 | 1288.0 | 1201.9 | 1128.7 | 1070.2 | 1030.3 |
| 57.5° | 2638.3 | 2620.8 | 2532.0 | 2318.8 | 2077.9 | 1760.0 | 1531.0 | 1392.0 | 1301.5 | 1311.6 | 1331.8 |
| 60°   | 3073.8 | 3070.5 | 3054.1 | 2971.4 | 2811.1 | 2569.1 | 2300.7 | 1993.0 | 1895.0 | 1905.7 | 1913.6 |
| 62.5° | 3268.5 | 3273.6 | 3285.9 | 3255.0 | 3212.7 | 3142.5 | 3008.5 | 2884.8 | 2753.7 | 2704.7 | 2573.6 |
| 65°   | 3358.5 | 3367.6 | 3395.6 | 3413.1 | 3429.4 | 3441.8 | 3494.7 | 3639.9 | 3735.5 | 3556.6 | 3140.2 |
| 67.5° | 3172.3 | 3215.6 | 3308.4 | 3399.1 | 3480.1 | 3595.4 | 3774.3 | 4111.4 | 4346.0 | 4126.0 | 3522.3 |
| 70°   | 2312.5 | 2371.6 | 2477.9 | 2758.1 | 3057.5 | 3319.2 | 3665.7 | 4178.9 | 4532.7 | 4362.9 | 3616.8 |
| 72.5° | 1449.9 | 1466.3 | 1513.6 | 1616.5 | 1838.8 | 2174.7 | 2780.6 | 3550.4 | 3958.9 | 3823.3 | 3056.9 |
| 75°   | 920.0  | 925.6  | 923.9  | 947.6  | 985.2  | 1058.3 | 1298.0 | 2097.0 | 2712.0 | 2500.4 | 1703.7 |
| 77.5° | 548.1  | 556.5  | 559.9  | 567.2  | 585.2  | 611.1  | 630.8  | 713.5  | 1137.1 | 1103.9 | 618.3  |
| 80°   | 459.2  | 465.9  | 460.2  | 458.5  | 447.4  | 439.5  | 449.0  | 439.5  | 408.0  | 392.7  | 361.8  |
| 82.5° | 243.1  | 242.5  | 240.8  | 257.1  | 290.4  | 316.2  | 336.0  | 331.4  | 299.9  | 255.4  | 216.6  |
| 85°   | 133.4  | 137.8  | 137.8  | 143.5  | 138.4  | 139.0  | 143.5  | 151.4  | 140.1  | 117.0  | 95.6   |
| 87.5° | 11.3   | 17.4   | 14.1   | 17.4   | 23.6   | 16.9   | 16.3   | 16.3   | 14.1   | 10.2   | 9.0    |
| 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: P152148

CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 |
| 2.5°  | 1069.0 | 1068.0 | 1065.7 | 1064.0 | 1064.0 | 1061.1 | 1059.5 | 1058.3 | 1057.8 | 1055.5 | 1055.5 |
| 5°    | 1065.7 | 1061.8 | 1057.8 | 1055.0 | 1053.3 | 1050.5 | 1046.0 | 1043.7 | 1040.9 | 1038.7 | 1037.5 |
| 7.5°  | 1058.3 | 1051.1 | 1044.9 | 1040.3 | 1034.7 | 1030.3 | 1024.6 | 1019.6 | 1014.5 | 1012.2 | 1011.1 |
| 10°   | 1047.2 | 1037.5 | 1028.0 | 1019.6 | 1011.7 | 1003.8 | 996.5  | 989.1  | 983.0  | 978.4  | 974.0  |
| 12.5° | 1036.4 | 1021.8 | 1009.4 | 997.0  | 984.7  | 975.1  | 965.0  | 954.3  | 945.3  | 936.8  | 934.6  |
| 15°   | 1021.8 | 1004.9 | 989.1  | 974.0  | 958.8  | 943.0  | 930.7  | 918.9  | 904.1  | 894.6  | 887.4  |
| 17.5° | 1008.3 | 988.1  | 968.9  | 950.9  | 932.3  | 916.1  | 897.4  | 881.7  | 867.0  | 852.4  | 841.8  |
| 20°   | 993.7  | 971.7  | 951.5  | 931.2  | 911.0  | 890.2  | 868.7  | 848.5  | 830.5  | 813.1  | 795.6  |
| 22.5° | 980.7  | 958.2  | 938.5  | 916.6  | 894.1  | 870.5  | 845.7  | 820.3  | 799.6  | 777.0  | 756.8  |
| 25°   | 972.8  | 948.1  | 927.9  | 906.4  | 881.7  | 855.9  | 827.7  | 797.8  | 772.5  | 746.6  | 722.5  |
| 27.5° | 972.8  | 940.7  | 920.0  | 898.5  | 873.3  | 845.7  | 814.7  | 782.1  | 753.4  | 724.7  | 694.9  |
| 30°   | 981.2  | 941.9  | 913.8  | 891.3  | 865.4  | 835.5  | 801.2  | 766.9  | 735.4  | 701.7  | 673.0  |
| 32.5° | 989.1  | 944.1  | 909.2  | 880.5  | 850.8  | 821.5  | 786.6  | 750.1  | 715.1  | 683.1  | 652.6  |
| 35°   | 994.2  | 944.1  | 900.8  | 864.2  | 830.5  | 801.8  | 767.5  | 730.9  | 695.4  | 663.9  | 635.9  |
| 37.5° | 994.8  | 939.7  | 887.4  | 845.7  | 810.3  | 780.4  | 747.8  | 713.5  | 679.7  | 650.5  | 626.8  |
| 40°   | 989.1  | 930.7  | 873.8  | 826.0  | 788.8  | 758.4  | 728.6  | 697.7  | 667.4  | 643.1  | 622.9  |
| 42.5° | 979.1  | 921.0  | 860.8  | 810.3  | 771.4  | 739.9  | 712.3  | 685.9  | 659.5  | 638.7  | 621.8  |
| 45°   | 963.8  | 908.1  | 849.0  | 800.6  | 762.4  | 729.2  | 702.2  | 680.2  | 657.7  | 640.3  | 623.4  |
| 47.5° | 950.4  | 903.6  | 853.0  | 806.8  | 766.9  | 732.5  | 705.0  | 686.4  | 669.0  | 657.2  | 634.1  |
| 50°   | 947.6  | 901.3  | 854.7  | 811.9  | 771.4  | 736.5  | 712.3  | 702.8  | 697.7  | 690.4  | 654.9  |
| 52.5° | 939.7  | 900.8  | 867.0  | 843.4  | 817.5  | 801.2  | 776.0  | 784.9  | 779.3  | 753.4  | 689.2  |
| 55°   | 1022.4 | 1033.6 | 1065.1 | 1110.2 | 1151.8 | 1161.3 | 1158.5 | 1147.9 | 1091.0 | 938.5  | 772.0  |
| 57.5° | 1405.5 | 1469.1 | 1528.7 | 1555.2 | 1551.8 | 1522.0 | 1500.6 | 1457.3 | 1375.1 | 1189.4 | 935.1  |
| 60°   | 1937.8 | 1948.0 | 1916.4 | 1869.7 | 1791.0 | 1725.1 | 1654.8 | 1573.8 | 1454.5 | 1272.7 | 1035.3 |
| 62.5° | 2427.9 | 2291.7 | 2151.6 | 2020.0 | 1900.1 | 1795.4 | 1697.5 | 1584.5 | 1429.1 | 1239.6 | 1022.4 |
| 65°   | 2773.9 | 2485.8 | 2264.7 | 2075.6 | 1906.3 | 1760.0 | 1637.9 | 1491.1 | 1316.1 | 1145.0 | 947.6  |
| 67.5° | 2952.3 | 2510.6 | 2171.3 | 1908.0 | 1667.8 | 1465.2 | 1302.6 | 1159.7 | 1029.6 | 954.8  | 829.3  |
| 70°   | 2753.1 | 2130.8 | 1658.1 | 1360.5 | 1073.0 | 860.3  | 679.7  | 570.6  | 532.8  | 603.7  | 628.0  |
| 72.5° | 2051.5 | 1386.9 | 986.3  | 763.0  | 584.6  | 465.9  | 357.3  | 280.7  | 228.4  | 239.7  | 311.2  |
| 75°   | 970.1  | 598.7  | 423.1  | 321.9  | 256.1  | 212.1  | 173.3  | 158.7  | 132.7  | 110.3  | 103.5  |
| 77.5° | 377.5  | 275.1  | 227.4  | 166.5  | 118.1  | 95.1   | 81.0   | 78.2   | 79.9   | 77.6   | 76.5   |
| 80°   | 287.6  | 194.7  | 122.1  | 89.4   | 77.1   | 68.1   | 60.2   | 57.9   | 59.1   | 61.9   | 64.7   |
| 82.5° | 160.3  | 100.1  | 74.3   | 64.7   | 57.9   | 49.5   | 45.0   | 41.7   | 42.2   | 45.6   | 51.8   |
| 85°   | 61.9   | 48.4   | 44.5   | 42.8   | 40.0   | 32.0   | 27.6   | 28.1   | 32.0   | 38.2   | 38.2   |
| 87.5° | 6.7    | 6.7    | 9.0    | 6.7    | 6.7    | 6.7    | 6.2    | 7.4    | 7.9    | 10.2   | 11.8   |
| 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: P152148

CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 | 1064.0 |
| 2.5°  | 1054.4 | 1054.4 | 1054.4 | 1053.3 | 1053.9 | 1051.6 | 1051.6 | 1049.9 | 1052.7 | 1051.1 | 1050.5 |
| 5°    | 1038.1 | 1037.5 | 1035.3 | 1035.3 | 1035.3 | 1035.3 | 1037.0 | 1032.4 | 1035.9 | 1035.9 | 1034.2 |
| 7.5°  | 1010.6 | 1010.6 | 1004.4 | 1007.8 | 1006.6 | 1008.3 | 1010.6 | 1008.3 | 1011.7 | 1013.9 | 1012.2 |
| 10°   | 972.2  | 972.2  | 967.3  | 971.2  | 969.4  | 973.4  | 977.3  | 975.1  | 977.3  | 980.7  | 981.9  |
| 12.5° | 930.1  | 927.9  | 923.3  | 925.0  | 925.0  | 927.3  | 928.9  | 931.8  | 934.6  | 939.1  | 941.3  |
| 15°   | 881.1  | 877.7  | 872.1  | 872.1  | 868.7  | 869.8  | 873.3  | 874.4  | 880.0  | 886.2  | 893.5  |
| 17.5° | 831.1  | 822.6  | 816.4  | 809.1  | 803.5  | 808.0  | 811.9  | 814.7  | 819.3  | 828.8  | 833.9  |
| 20°   | 783.8  | 766.9  | 755.1  | 745.5  | 739.4  | 742.2  | 747.3  | 750.6  | 754.5  | 756.8  | 758.4  |
| 22.5° | 737.1  | 717.9  | 701.7  | 689.8  | 679.7  | 682.5  | 680.2  | 678.5  | 681.3  | 674.1  | 673.5  |
| 25°   | 696.6  | 674.1  | 652.1  | 638.0  | 625.7  | 621.8  | 609.9  | 607.2  | 599.3  | 593.1  | 588.5  |
| 27.5° | 667.4  | 638.0  | 613.9  | 597.5  | 577.8  | 563.2  | 548.1  | 532.8  | 524.4  | 514.3  | 509.2  |
| 30°   | 644.2  | 613.3  | 584.6  | 557.0  | 531.2  | 508.6  | 488.4  | 468.7  | 455.2  | 440.5  | 431.0  |
| 32.5° | 622.9  | 594.2  | 559.3  | 521.6  | 486.7  | 461.3  | 434.9  | 412.4  | 391.1  | 371.9  | 357.8  |
| 35°   | 608.2  | 576.2  | 531.7  | 485.6  | 446.2  | 416.4  | 388.2  | 356.2  | 330.3  | 305.5  | 290.4  |
| 37.5° | 600.3  | 560.9  | 506.4  | 455.2  | 411.3  | 377.5  | 342.7  | 305.5  | 274.0  | 251.0  | 227.9  |
| 40°   | 594.2  | 545.8  | 483.9  | 428.2  | 382.1  | 341.6  | 301.0  | 257.1  | 222.3  | 198.0  | 180.0  |
| 42.5° | 587.5  | 528.9  | 464.1  | 406.8  | 355.6  | 308.3  | 259.4  | 212.6  | 179.5  | 162.6  | 154.7  |
| 45°   | 580.1  | 514.3  | 445.6  | 386.5  | 329.7  | 272.3  | 216.1  | 172.7  | 153.1  | 147.5  | 147.5  |
| 47.5° | 578.4  | 504.7  | 432.1  | 366.8  | 300.4  | 230.7  | 176.1  | 149.1  | 143.5  | 144.6  | 146.8  |
| 50°   | 585.2  | 501.9  | 420.3  | 343.8  | 261.7  | 186.8  | 149.1  | 140.1  | 141.2  | 144.6  | 148.0  |
| 52.5° | 601.5  | 504.1  | 408.0  | 311.7  | 215.5  | 154.2  | 137.8  | 137.3  | 140.6  | 145.7  | 149.1  |
| 55°   | 629.0  | 504.1  | 384.2  | 263.9  | 172.1  | 138.4  | 133.9  | 136.2  | 140.6  | 145.2  | 148.0  |
| 57.5° | 688.1  | 499.1  | 342.7  | 211.0  | 144.0  | 132.7  | 132.7  | 135.6  | 139.6  | 144.0  | 146.3  |
| 60°   | 758.4  | 492.3  | 284.1  | 163.2  | 129.9  | 128.3  | 132.2  | 135.6  | 139.0  | 142.9  | 145.2  |
| 62.5° | 763.0  | 474.9  | 225.1  | 135.0  | 122.7  | 125.5  | 131.7  | 136.2  | 137.3  | 140.1  | 142.9  |
| 65°   | 701.0  | 414.1  | 179.0  | 120.9  | 119.3  | 123.8  | 129.9  | 133.4  | 133.9  | 135.0  | 137.8  |
| 67.5° | 613.9  | 337.6  | 144.6  | 114.2  | 116.0  | 120.9  | 124.4  | 127.2  | 128.8  | 131.7  | 132.2  |
| 70°   | 504.1  | 271.2  | 123.8  | 107.5  | 109.1  | 114.8  | 117.6  | 120.4  | 123.8  | 127.2  | 125.5  |
| 72.5° | 357.3  | 211.0  | 108.6  | 100.1  | 102.4  | 107.5  | 110.9  | 113.1  | 116.0  | 119.3  | 117.0  |
| 75°   | 151.9  | 147.5  | 94.0   | 90.6   | 94.0   | 97.3   | 100.7  | 104.0  | 106.9  | 108.6  | 108.6  |
| 77.5° | 77.6   | 86.6   | 81.0   | 81.0   | 83.3   | 86.6   | 89.4   | 92.8   | 94.5   | 96.2   | 98.4   |
| 80°   | 65.8   | 66.9   | 68.1   | 70.4   | 72.5   | 76.0   | 78.8   | 81.6   | 82.2   | 82.7   | 83.8   |
| 82.5° | 54.6   | 56.8   | 57.9   | 61.3   | 63.0   | 64.1   | 65.8   | 65.8   | 66.9   | 66.9   | 65.3   |
| 85°   | 39.4   | 42.2   | 43.9   | 44.5   | 43.9   | 44.5   | 45.0   | 46.1   | 48.9   | 48.9   | 46.7   |
| 87.5° | 11.3   | 10.7   | 13.5   | 14.1   | 15.2   | 17.4   | 19.7   | 23.6   | 24.8   | 25.9   | 25.9   |
| 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: P152148

CATALOG NUMBER: VXS-E02-LED-E1-SL4-8030

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1064.0 | 1064.0 | 1064.0 | 1064.0 |
| 2.5°  | 1049.9 | 1051.1 | 1048.8 | 1049.3 |
| 5°    | 1034.2 | 1036.4 | 1033.6 | 1037.0 |
| 7.5°  | 1013.9 | 1017.3 | 1016.7 | 1016.2 |
| 10°   | 984.7  | 989.1  | 989.1  | 990.9  |
| 12.5° | 947.6  | 950.4  | 952.5  | 953.7  |
| 15°   | 897.4  | 902.5  | 905.3  | 905.3  |
| 17.5° | 837.2  | 840.6  | 842.3  | 840.1  |
| 20°   | 760.7  | 759.6  | 760.1  | 754.5  |
| 22.5° | 672.3  | 674.1  | 669.0  | 670.2  |
| 25°   | 585.7  | 582.9  | 585.2  | 581.8  |
| 27.5° | 501.9  | 502.5  | 496.3  | 499.1  |
| 30°   | 422.0  | 419.2  | 411.3  | 415.2  |
| 32.5° | 344.9  | 337.6  | 329.1  | 324.0  |
| 35°   | 272.3  | 261.0  | 257.1  | 255.4  |
| 37.5° | 213.8  | 201.5  | 197.5  | 193.0  |
| 40°   | 169.9  | 165.4  | 163.7  | 164.9  |
| 42.5° | 152.4  | 152.4  | 153.6  | 154.2  |
| 45°   | 148.0  | 149.6  | 151.4  | 151.9  |
| 47.5° | 148.5  | 150.3  | 152.4  | 153.1  |
| 50°   | 149.6  | 151.4  | 153.1  | 153.6  |
| 52.5° | 150.3  | 150.3  | 151.4  | 151.9  |
| 55°   | 149.1  | 148.5  | 149.1  | 149.6  |
| 57.5° | 146.8  | 145.7  | 146.3  | 148.0  |
| 60°   | 145.7  | 144.0  | 145.2  | 146.3  |
| 62.5° | 142.9  | 142.4  | 143.5  | 144.0  |
| 65°   | 136.7  | 137.3  | 139.0  | 139.0  |
| 67.5° | 131.1  | 131.7  | 132.2  | 132.7  |
| 70°   | 124.4  | 124.9  | 126.0  | 126.6  |
| 72.5° | 116.5  | 118.8  | 120.4  | 122.7  |
| 75°   | 110.3  | 112.5  | 116.0  | 118.1  |
| 77.5° | 99.6   | 101.2  | 105.2  | 108.0  |
| 80°   | 84.4   | 83.8   | 84.4   | 86.1   |
| 82.5° | 64.7   | 64.7   | 64.1   | 63.6   |
| 85°   | 45.6   | 45.0   | 43.3   | 43.3   |
| 87.5° | 24.8   | 24.1   | 23.6   | 22.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)