

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: P165243

Luminaire Tested: **VST-F02-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P165243  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VST-F02-LED-E-U-SL3-HSS-7050  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (14) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2902.2 lumens  
Efficiency: N/A  
Efficacy: 52.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 55  
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

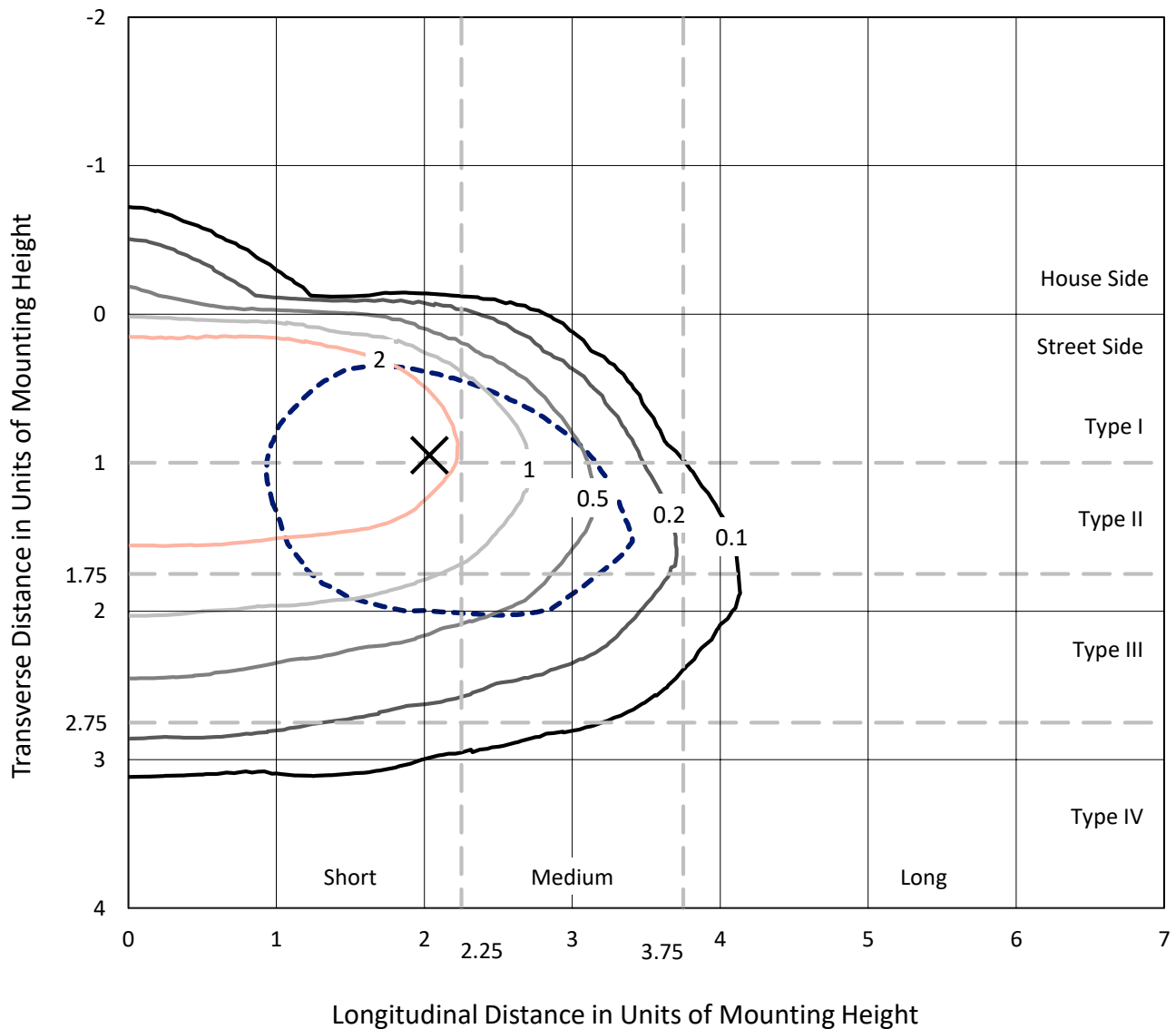


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

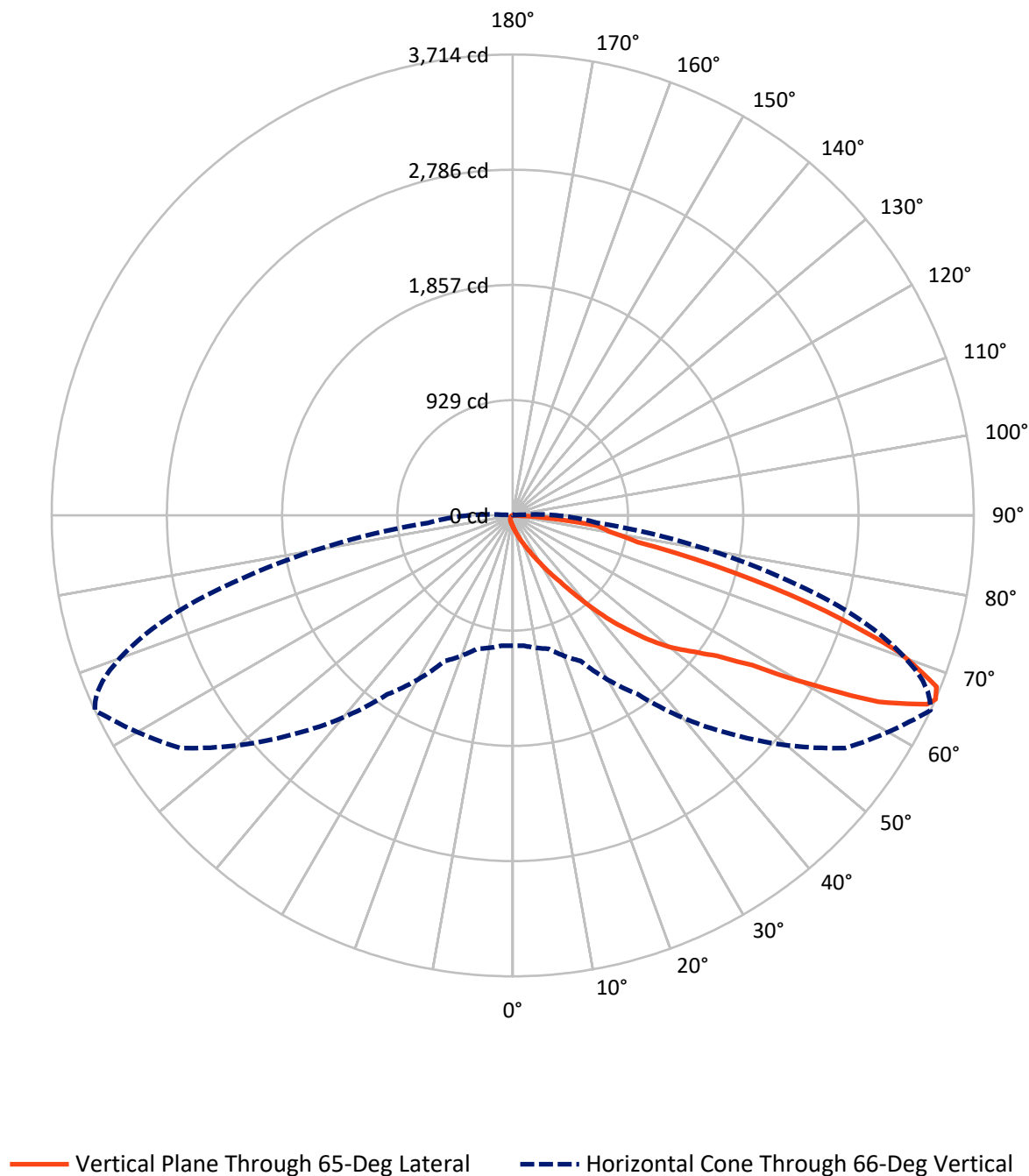


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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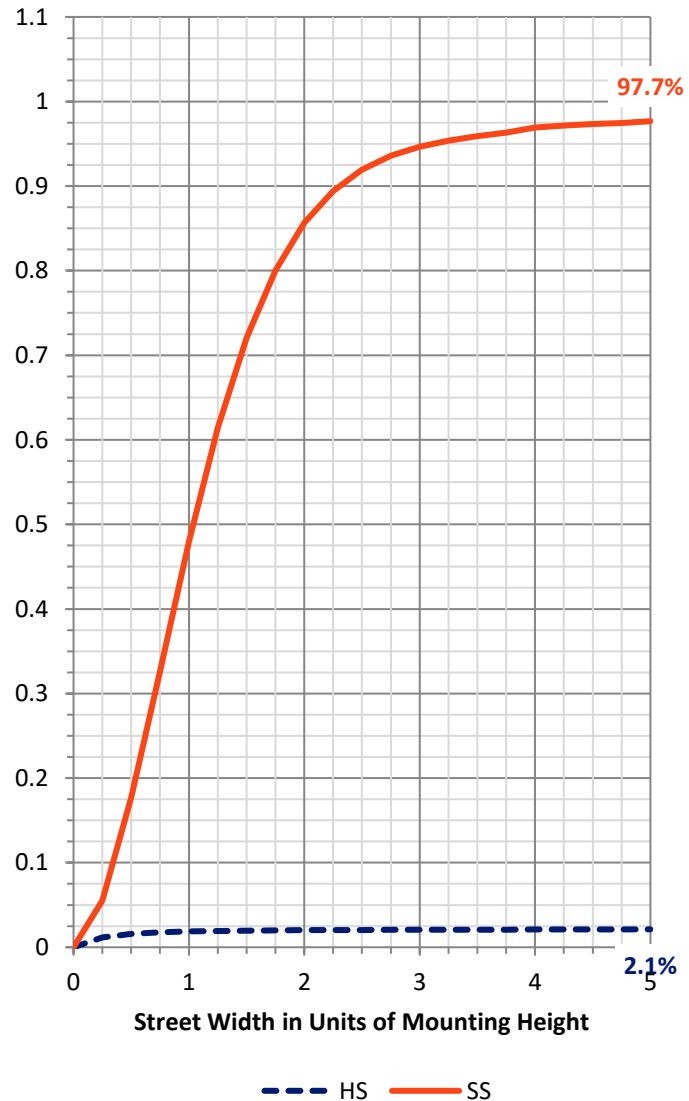
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 62.9     | 0.0    | 62.9   |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 2839.4   | 0.0    | 2839.4 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 2902.2   | 0.0    | 2902.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.8    | 0.3       |
| 10°-20°   | 41.6   | 1.4       |
| 20°-30°   | 89.7   | 3.1       |
| 30°-40°   | 191.5  | 6.6       |
| 40°-50°   | 423.5  | 14.6      |
| 50°-60°   | 717.8  | 24.7      |
| 60°-70°   | 957.8  | 33.0      |
| 70°-80°   | 421.9  | 14.5      |
| 80°-90°   | 48.6   | 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°    | 2902.2 | 100.0     |
| 0°-180°   | 2902.2 | 100.0     |

**Coefficient of Utilization**



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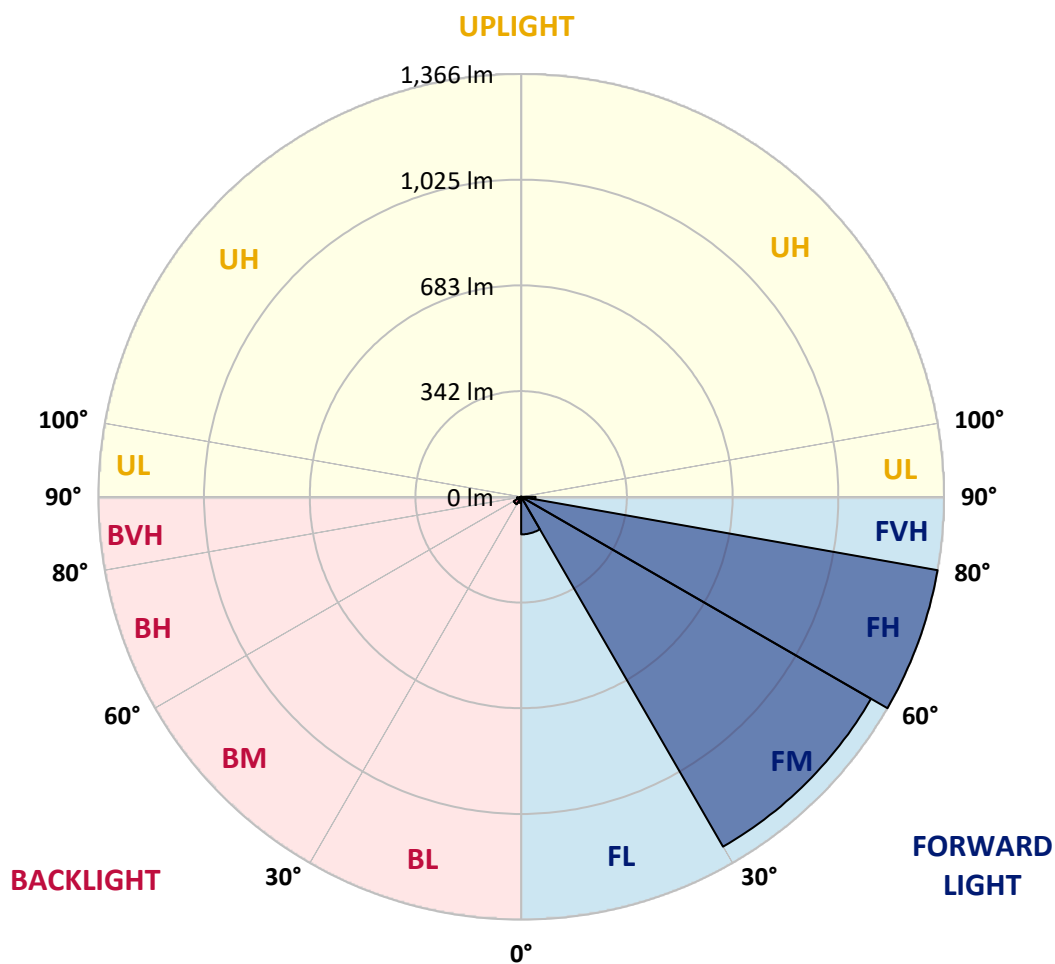
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 121.2  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 1305.2 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 1366.2 | 47.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 46.7   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 19.8   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 27.6   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 13.5   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.9    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   |
| 2.5°  | 110.5  | 109.9  | 107.7  | 107.7  | 104.3  | 102.1  | 99.3   | 96.5   | 96.5   | 95.9   | 95.4   |
| 5°    | 146.2  | 142.9  | 142.3  | 136.1  | 131.1  | 123.9  | 117.2  | 108.2  | 107.2  | 106.0  | 105.4  |
| 7.5°  | 185.8  | 185.2  | 180.2  | 173.0  | 163.0  | 149.5  | 136.1  | 121.6  | 119.4  | 118.3  | 116.0  |
| 10°   | 237.1  | 234.4  | 227.6  | 215.3  | 200.3  | 182.5  | 160.7  | 137.8  | 135.0  | 132.8  | 131.6  |
| 12.5° | 286.3  | 281.2  | 277.3  | 261.7  | 242.7  | 216.5  | 190.3  | 157.4  | 155.1  | 152.3  | 147.8  |
| 15°   | 332.0  | 327.5  | 320.8  | 307.4  | 286.3  | 253.3  | 222.7  | 182.5  | 176.9  | 173.0  | 169.6  |
| 17.5° | 367.7  | 364.9  | 357.1  | 342.1  | 319.1  | 290.2  | 253.3  | 208.1  | 203.7  | 198.6  | 192.5  |
| 20°   | 401.8  | 397.8  | 385.6  | 364.9  | 340.4  | 318.0  | 289.6  | 241.6  | 235.4  | 229.3  | 222.7  |
| 22.5° | 434.1  | 430.2  | 410.1  | 376.1  | 349.9  | 340.4  | 330.3  | 279.5  | 270.1  | 265.0  | 258.3  |
| 25°   | 479.3  | 470.9  | 439.7  | 385.6  | 350.4  | 357.7  | 374.9  | 328.6  | 319.7  | 312.5  | 301.9  |
| 27.5° | 540.1  | 529.0  | 479.9  | 399.5  | 352.6  | 376.6  | 426.3  | 388.3  | 378.8  | 370.5  | 358.8  |
| 30°   | 608.8  | 601.5  | 542.9  | 433.0  | 368.8  | 404.5  | 483.7  | 464.2  | 453.1  | 443.0  | 429.1  |
| 32.5° | 677.9  | 667.9  | 609.8  | 496.6  | 412.3  | 458.6  | 555.7  | 552.4  | 537.9  | 528.4  | 513.3  |
| 35°   | 738.8  | 733.7  | 690.8  | 600.9  | 511.7  | 553.5  | 651.7  | 655.6  | 642.8  | 632.8  | 616.0  |
| 37.5° | 780.1  | 780.1  | 771.7  | 713.0  | 669.5  | 700.8  | 792.8  | 793.4  | 780.6  | 757.7  | 749.3  |
| 40°   | 801.2  | 807.4  | 837.5  | 848.6  | 846.4  | 886.6  | 978.1  | 968.1  | 957.5  | 945.7  | 917.9  |
| 42.5° | 844.8  | 850.3  | 914.5  | 991.5  | 1041.7 | 1094.7 | 1157.8 | 1154.4 | 1141.6 | 1120.4 | 1094.7 |
| 45°   | 918.4  | 925.7  | 1002.1 | 1124.3 | 1227.5 | 1302.9 | 1343.0 | 1327.4 | 1314.5 | 1294.5 | 1281.1 |
| 47.5° | 1012.1 | 1026.1 | 1112.6 | 1263.8 | 1388.2 | 1512.7 | 1554.5 | 1513.2 | 1502.0 | 1486.4 | 1464.7 |
| 50°   | 1112.0 | 1125.4 | 1217.5 | 1390.4 | 1531.1 | 1679.5 | 1749.2 | 1679.5 | 1663.3 | 1658.3 | 1633.7 |
| 52.5° | 1198.5 | 1209.7 | 1298.4 | 1488.1 | 1640.4 | 1814.5 | 1916.0 | 1824.0 | 1812.2 | 1795.5 | 1777.7 |
| 55°   | 1249.9 | 1258.8 | 1341.9 | 1535.0 | 1714.7 | 1936.1 | 2077.3 | 1996.4 | 1979.1 | 1972.4 | 1946.8 |
| 57.5° | 1267.1 | 1276.1 | 1350.8 | 1541.1 | 1754.8 | 2047.2 | 2273.2 | 2276.0 | 2255.3 | 2231.3 | 2223.5 |
| 60°   | 1267.1 | 1277.2 | 1340.2 | 1526.0 | 1793.9 | 2165.5 | 2534.3 | 2767.0 | 2722.3 | 2717.9 | 2689.4 |
| 62.5° | 1214.7 | 1224.2 | 1287.8 | 1479.7 | 1846.3 | 2325.1 | 2898.1 | 3308.8 | 3295.9 | 3266.9 | 3220.0 |
| 65°   | 1100.9 | 1106.5 | 1168.9 | 1361.5 | 1826.2 | 2471.8 | 3213.4 | 3669.2 | 3648.5 | 3591.7 | 3531.4 |
| 66°   | 1049.5 | 1054.0 | 1112.6 | 1293.9 | 1760.4 | 2491.9 | 3269.2 | 3714.4 | 3680.4 | 3632.3 | 3564.3 |
| 67.5° | 975.3  | 983.2  | 1024.4 | 1168.4 | 1602.5 | 2422.1 | 3234.0 | 3682.6 | 3653.0 | 3595.0 | 3526.9 |
| 70°   | 651.2  | 645.6  | 791.2  | 896.6  | 1220.8 | 1973.6 | 2901.4 | 3306.5 | 3307.1 | 3279.7 | 3252.4 |
| 72.5° | 309.1  | 312.5  | 354.8  | 551.8  | 799.0  | 1318.5 | 2309.5 | 2639.2 | 2677.1 | 2628.1 | 2594.0 |
| 75°   | 222.1  | 227.1  | 252.8  | 337.6  | 476.5  | 791.2  | 1497.0 | 1845.7 | 1846.9 | 1759.8 | 1682.3 |
| 77.5° | 64.7   | 67.5   | 94.9   | 208.1  | 357.1  | 533.9  | 859.8  | 1026.1 | 1002.1 | 939.6  | 881.0  |
| 80°   | 26.8   | 26.8   | 27.9   | 66.4   | 143.4  | 362.7  | 601.5  | 790.1  | 787.3  | 763.3  | 728.7  |
| 82.5° | 10.0   | 10.6   | 13.4   | 27.4   | 34.1   | 89.3   | 401.2  | 685.7  | 684.1  | 650.0  | 625.5  |
| 85°   | 1.1    | 1.1    | 3.4    | 11.7   | 12.8   | 16.7   | 80.3   | 302.4  | 300.7  | 302.4  | 265.0  |
| 87.5° | 0.0    | 0.0    | 0.5    | 1.1    | 1.7    | 2.2    | 3.4    | 11.7   | 12.8   | 12.2   | 11.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   | 87.6   |
| 2.5°  | 95.4   | 94.3   | 94.3   | 93.8   | 93.8   | 93.8   | 93.2   | 92.6   | 92.6   | 92.0   | 91.5   |
| 5°    | 104.3  | 103.2  | 102.7  | 101.5  | 101.0  | 100.4  | 99.3   | 98.8   | 97.7   | 97.1   | 96.5   |
| 7.5°  | 115.0  | 112.7  | 112.1  | 110.5  | 108.8  | 107.7  | 106.6  | 104.9  | 103.8  | 101.5  | 101.0  |
| 10°   | 128.3  | 125.5  | 123.3  | 121.1  | 119.4  | 116.6  | 115.0  | 112.7  | 110.5  | 108.8  | 107.2  |
| 12.5° | 145.6  | 141.7  | 138.4  | 136.1  | 132.2  | 128.9  | 125.5  | 123.9  | 119.4  | 117.2  | 114.4  |
| 15°   | 164.6  | 160.1  | 156.2  | 151.7  | 149.0  | 143.4  | 138.9  | 133.9  | 131.6  | 127.8  | 123.3  |
| 17.5° | 189.1  | 181.9  | 175.7  | 171.3  | 165.7  | 160.1  | 155.1  | 150.1  | 143.4  | 138.9  | 133.4  |
| 20°   | 215.3  | 209.2  | 200.9  | 193.1  | 186.4  | 179.7  | 172.4  | 165.7  | 159.6  | 152.3  | 145.6  |
| 22.5° | 248.9  | 239.9  | 229.9  | 222.1  | 213.2  | 205.9  | 195.8  | 187.0  | 176.9  | 167.4  | 159.6  |
| 25°   | 291.2  | 279.5  | 270.1  | 258.9  | 248.3  | 237.1  | 224.8  | 213.7  | 200.9  | 191.9  | 178.6  |
| 27.5° | 343.7  | 332.6  | 319.7  | 305.2  | 294.6  | 277.9  | 261.7  | 247.7  | 232.7  | 218.7  | 203.7  |
| 30°   | 410.6  | 394.5  | 381.1  | 367.1  | 346.0  | 329.8  | 310.8  | 291.8  | 271.1  | 257.2  | 234.4  |
| 32.5° | 491.0  | 473.7  | 453.6  | 433.6  | 414.0  | 391.1  | 367.7  | 344.3  | 321.4  | 295.7  | 272.3  |
| 35°   | 589.2  | 568.6  | 545.7  | 523.9  | 493.8  | 469.3  | 439.7  | 407.3  | 381.7  | 352.1  | 322.5  |
| 37.5° | 719.2  | 685.2  | 665.1  | 642.2  | 601.5  | 568.0  | 535.1  | 502.7  | 457.5  | 426.3  | 384.4  |
| 40°   | 882.1  | 862.1  | 829.1  | 792.3  | 755.5  | 711.4  | 666.8  | 623.8  | 571.4  | 527.8  | 479.3  |
| 42.5° | 1073.5 | 1043.9 | 1010.5 | 957.5  | 920.1  | 868.2  | 817.4  | 760.5  | 696.4  | 640.6  | 583.6  |
| 45°   | 1253.2 | 1218.1 | 1192.4 | 1139.4 | 1100.3 | 1038.9 | 977.6  | 917.3  | 843.1  | 771.1  | 705.3  |
| 47.5° | 1447.4 | 1418.3 | 1376.0 | 1333.0 | 1293.4 | 1224.2 | 1157.8 | 1084.7 | 1006.6 | 921.2  | 835.8  |
| 50°   | 1618.1 | 1595.2 | 1566.2 | 1514.3 | 1470.2 | 1412.2 | 1334.1 | 1254.3 | 1155.5 | 1070.8 | 973.7  |
| 52.5° | 1763.2 | 1745.3 | 1704.6 | 1667.8 | 1628.2 | 1573.4 | 1503.7 | 1427.3 | 1320.7 | 1227.5 | 1117.1 |
| 55°   | 1934.5 | 1921.6 | 1885.9 | 1863.1 | 1827.9 | 1775.5 | 1710.2 | 1639.3 | 1526.6 | 1425.1 | 1300.1 |
| 57.5° | 2215.1 | 2205.1 | 2173.9 | 2164.3 | 2129.8 | 2084.0 | 2003.7 | 1927.8 | 1796.1 | 1670.0 | 1527.2 |
| 60°   | 2679.9 | 2659.9 | 2614.1 | 2590.7 | 2517.5 | 2456.2 | 2351.9 | 2247.5 | 2088.5 | 1927.8 | 1755.9 |
| 62.5° | 3177.6 | 3121.3 | 3034.2 | 2959.5 | 2855.7 | 2749.1 | 2609.6 | 2450.0 | 2263.7 | 2072.9 | 1875.3 |
| 65°   | 3446.0 | 3350.0 | 3240.1 | 3121.3 | 2986.8 | 2830.0 | 2654.3 | 2462.9 | 2262.6 | 2061.1 | 1852.4 |
| 66°   | 3476.7 | 3368.5 | 3251.9 | 3119.6 | 2970.1 | 2803.3 | 2624.7 | 2423.8 | 2215.7 | 2019.3 | 1810.6 |
| 67.5° | 3438.2 | 3325.0 | 3201.7 | 3054.9 | 2893.1 | 2720.1 | 2532.6 | 2323.9 | 2123.6 | 1924.4 | 1721.3 |
| 70°   | 3168.7 | 3056.0 | 2946.1 | 2791.5 | 2619.1 | 2445.1 | 2267.6 | 2034.4 | 1844.6 | 1661.6 | 1480.9 |
| 72.5° | 2530.4 | 2453.9 | 2345.2 | 2212.9 | 2044.9 | 1840.7 | 1692.8 | 1484.2 | 1319.6 | 1142.2 | 1002.1 |
| 75°   | 1581.3 | 1473.6 | 1339.1 | 1170.6 | 1042.3 | 876.5  | 790.1  | 631.6  | 537.9  | 455.9  | 376.6  |
| 77.5° | 808.5  | 727.6  | 633.3  | 538.4  | 447.5  | 357.1  | 276.2  | 195.3  | 131.6  | 91.5   | 68.1   |
| 80°   | 667.9  | 596.5  | 518.3  | 431.9  | 351.5  | 272.9  | 196.4  | 133.9  | 85.4   | 55.8   | 43.5   |
| 82.5° | 551.8  | 491.6  | 421.8  | 341.5  | 271.7  | 214.3  | 149.0  | 97.1   | 60.2   | 39.1   | 30.7   |
| 85°   | 234.9  | 213.2  | 164.6  | 130.6  | 98.2   | 72.5   | 50.8   | 34.1   | 24.0   | 19.5   | 17.9   |
| 87.5° | 10.0   | 11.2   | 10.6   | 8.3    | 6.1    | 6.1    | 5.6    | 4.5    | 4.5    | 4.5    | 4.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





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**CANDELA DISTRIBUTION (continued):**

|       | 80°    | 81°    | 82°    | 83°    | 84°   | 85°   | 95°  | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|-------|-------|------|------|------|------|------|
| 0°    | 87.6   | 87.6   | 87.6   | 87.6   | 87.6  | 87.6  | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 2.5°  | 91.5   | 91.0   | 90.4   | 90.4   | 89.8  | 89.3  | 85.9 | 83.2 | 79.8 | 77.6 | 75.3 |
| 5°    | 95.4   | 94.9   | 93.8   | 93.2   | 92.0  | 91.5  | 84.2 | 78.1 | 73.1 | 69.2 | 66.4 |
| 7.5°  | 99.3   | 98.8   | 97.1   | 95.4   | 94.9  | 93.8  | 82.0 | 74.2 | 67.5 | 63.1 | 60.2 |
| 10°   | 104.3  | 102.7  | 101.0  | 98.8   | 97.1  | 95.4  | 79.8 | 69.7 | 62.5 | 58.6 | 55.8 |
| 12.5° | 111.6  | 108.8  | 106.0  | 103.2  | 101.0 | 98.2  | 78.7 | 65.8 | 58.6 | 54.1 | 51.4 |
| 15°   | 120.0  | 116.0  | 112.7  | 109.4  | 105.4 | 102.7 | 76.4 | 62.5 | 55.2 | 50.8 | 47.5 |
| 17.5° | 127.8  | 123.3  | 118.3  | 113.3  | 109.4 | 105.4 | 74.2 | 59.2 | 51.9 | 47.5 | 44.1 |
| 20°   | 138.9  | 132.2  | 126.1  | 120.0  | 114.4 | 109.4 | 70.9 | 55.8 | 49.1 | 44.1 | 40.7 |
| 22.5° | 151.2  | 143.4  | 135.6  | 127.3  | 120.0 | 113.3 | 68.1 | 53.0 | 46.3 | 41.3 | 37.4 |
| 25°   | 166.9  | 157.4  | 146.8  | 136.1  | 127.8 | 118.9 | 65.3 | 50.2 | 43.5 | 38.5 | 34.6 |
| 27.5° | 188.6  | 175.2  | 163.5  | 150.1  | 137.3 | 127.3 | 63.1 | 48.0 | 40.7 | 35.7 | 31.8 |
| 30°   | 218.2  | 198.6  | 180.2  | 165.7  | 150.7 | 136.1 | 60.8 | 45.2 | 38.5 | 32.9 | 28.4 |
| 32.5° | 251.1  | 228.2  | 207.0  | 185.2  | 166.3 | 149.5 | 58.6 | 43.0 | 35.7 | 30.1 | 26.2 |
| 35°   | 291.8  | 262.8  | 234.4  | 209.2  | 186.4 | 164.0 | 56.3 | 40.7 | 33.5 | 27.4 | 23.5 |
| 37.5° | 350.4  | 314.1  | 276.8  | 244.4  | 214.8 | 185.2 | 54.7 | 38.5 | 30.7 | 24.5 | 20.6 |
| 40°   | 430.7  | 383.9  | 338.1  | 294.1  | 255.5 | 218.7 | 52.4 | 36.2 | 28.4 | 22.3 | 18.4 |
| 42.5° | 517.8  | 460.9  | 400.6  | 350.9  | 298.0 | 251.6 | 50.2 | 34.1 | 26.2 | 20.1 | 16.2 |
| 45°   | 626.0  | 555.2  | 482.1  | 414.5  | 349.9 | 290.2 | 48.0 | 31.8 | 23.5 | 17.9 | 14.0 |
| 47.5° | 744.4  | 653.9  | 571.4  | 486.5  | 409.6 | 338.1 | 45.2 | 30.1 | 21.2 | 15.6 | 12.2 |
| 50°   | 866.0  | 770.6  | 666.2  | 569.7  | 478.2 | 386.2 | 42.4 | 27.4 | 19.0 | 14.0 | 10.0 |
| 52.5° | 997.1  | 884.4  | 777.8  | 657.8  | 551.3 | 449.2 | 39.6 | 25.1 | 17.3 | 12.2 | 8.3  |
| 55°   | 1163.9 | 1037.8 | 912.8  | 778.4  | 650.0 | 522.3 | 36.8 | 22.3 | 15.1 | 10.6 | 6.7  |
| 57.5° | 1373.7 | 1224.2 | 1070.8 | 919.0  | 763.3 | 618.2 | 34.6 | 19.5 | 12.8 | 8.9  | 5.6  |
| 60°   | 1571.8 | 1397.2 | 1211.3 | 1036.7 | 860.9 | 691.9 | 31.3 | 17.3 | 11.2 | 7.3  | 5.6  |
| 62.5° | 1674.5 | 1475.3 | 1274.9 | 1082.5 | 895.0 | 718.1 | 27.9 | 14.5 | 9.5  | 6.1  | 5.0  |
| 65°   | 1649.3 | 1446.2 | 1252.1 | 1057.9 | 874.4 | 701.4 | 24.5 | 12.8 | 8.3  | 5.6  | 5.0  |
| 66°   | 1613.1 | 1412.2 | 1216.9 | 1032.2 | 857.0 | 683.5 | 22.9 | 12.2 | 7.8  | 5.6  | 4.5  |
| 67.5° | 1533.8 | 1339.7 | 1153.3 | 981.5  | 809.6 | 649.4 | 20.6 | 11.2 | 7.3  | 5.0  | 4.5  |
| 70°   | 1310.1 | 1133.8 | 984.8  | 831.9  | 691.9 | 547.4 | 16.7 | 9.5  | 6.1  | 4.5  | 4.5  |
| 72.5° | 867.1  | 747.1  | 647.8  | 557.4  | 465.9 | 361.6 | 14.0 | 7.8  | 5.0  | 4.5  | 3.9  |
| 75°   | 327.0  | 295.7  | 253.9  | 228.2  | 199.2 | 174.7 | 11.2 | 5.0  | 3.9  | 3.9  | 3.9  |
| 77.5° | 58.0   | 53.6   | 47.5   | 43.5   | 40.2  | 36.8  | 8.9  | 3.4  | 3.4  | 3.9  | 3.9  |
| 80°   | 39.1   | 36.2   | 32.9   | 30.1   | 27.9  | 25.1  | 6.1  | 2.8  | 3.4  | 3.4  | 3.9  |
| 82.5° | 27.9   | 26.2   | 24.5   | 22.3   | 20.6  | 18.4  | 3.9  | 2.8  | 3.4  | 3.4  | 3.4  |
| 85°   | 16.7   | 15.6   | 14.5   | 13.4   | 11.7  | 11.2  | 2.8  | 2.8  | 2.8  | 3.4  | 3.4  |
| 87.5° | 4.5    | 3.9    | 4.5    | 4.5    | 3.4   | 3.9   | 2.2  | 2.2  | 2.2  | 2.8  | 2.8  |
| 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: P165243

CATALOG NUMBER: VST-F02-LED-E-U-SL3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 2.5°  | 74.2 | 74.2 | 73.1 | 74.8 | 74.8 |
| 5°    | 64.2 | 64.2 | 63.6 | 64.2 | 64.2 |
| 7.5°  | 58.6 | 58.0 | 58.0 | 58.0 | 58.6 |
| 10°   | 53.6 | 53.0 | 53.0 | 53.0 | 53.0 |
| 12.5° | 49.1 | 48.5 | 48.0 | 48.5 | 48.5 |
| 15°   | 45.2 | 44.1 | 44.1 | 44.1 | 44.1 |
| 17.5° | 41.8 | 40.7 | 40.2 | 40.2 | 40.2 |
| 20°   | 38.5 | 36.8 | 36.8 | 36.8 | 36.8 |
| 22.5° | 35.2 | 33.5 | 33.5 | 33.5 | 33.5 |
| 25°   | 31.8 | 30.1 | 30.1 | 30.1 | 30.1 |
| 27.5° | 29.0 | 27.4 | 27.4 | 27.4 | 27.4 |
| 30°   | 25.7 | 24.5 | 24.5 | 25.1 | 24.5 |
| 32.5° | 23.5 | 21.8 | 21.8 | 22.3 | 22.3 |
| 35°   | 20.6 | 19.5 | 19.5 | 19.5 | 19.5 |
| 37.5° | 17.9 | 16.7 | 16.7 | 16.7 | 16.7 |
| 40°   | 15.6 | 14.5 | 14.0 | 14.5 | 14.5 |
| 42.5° | 13.4 | 12.2 | 11.7 | 11.7 | 11.7 |
| 45°   | 11.7 | 10.0 | 9.5  | 10.0 | 10.0 |
| 47.5° | 9.5  | 8.3  | 8.3  | 8.9  | 8.9  |
| 50°   | 7.3  | 7.3  | 7.8  | 8.9  | 8.9  |
| 52.5° | 6.7  | 6.7  | 7.8  | 8.9  | 8.9  |
| 55°   | 6.1  | 6.7  | 7.8  | 8.3  | 8.9  |
| 57.5° | 5.6  | 6.7  | 7.8  | 8.3  | 8.3  |
| 60°   | 5.6  | 6.1  | 7.3  | 8.3  | 8.3  |
| 62.5° | 5.0  | 5.6  | 6.7  | 7.8  | 7.8  |
| 65°   | 5.0  | 5.6  | 6.7  | 7.8  | 7.8  |
| 66°   | 5.0  | 5.6  | 6.7  | 7.8  | 7.8  |
| 67.5° | 5.0  | 5.6  | 6.7  | 7.8  | 7.8  |
| 70°   | 5.0  | 5.6  | 6.7  | 7.3  | 7.3  |
| 72.5° | 4.5  | 5.0  | 6.1  | 7.3  | 7.3  |
| 75°   | 4.5  | 5.0  | 6.1  | 7.3  | 7.3  |
| 77.5° | 4.5  | 5.0  | 6.1  | 7.3  | 7.3  |
| 80°   | 4.5  | 5.0  | 6.1  | 6.7  | 7.3  |
| 82.5° | 3.9  | 5.0  | 5.6  | 6.7  | 6.7  |
| 85°   | 3.9  | 4.5  | 5.6  | 6.1  | 6.7  |
| 87.5° | 3.4  | 3.9  | 4.5  | 5.6  | 5.6  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)