

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: P165270

Luminaire Tested: **VST-F05-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P165270  
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-F05-LED-E-U-SL3-HSS-8030  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5967.9 lumens  
Efficiency: N/A  
Efficacy: 44.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 133.3  
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



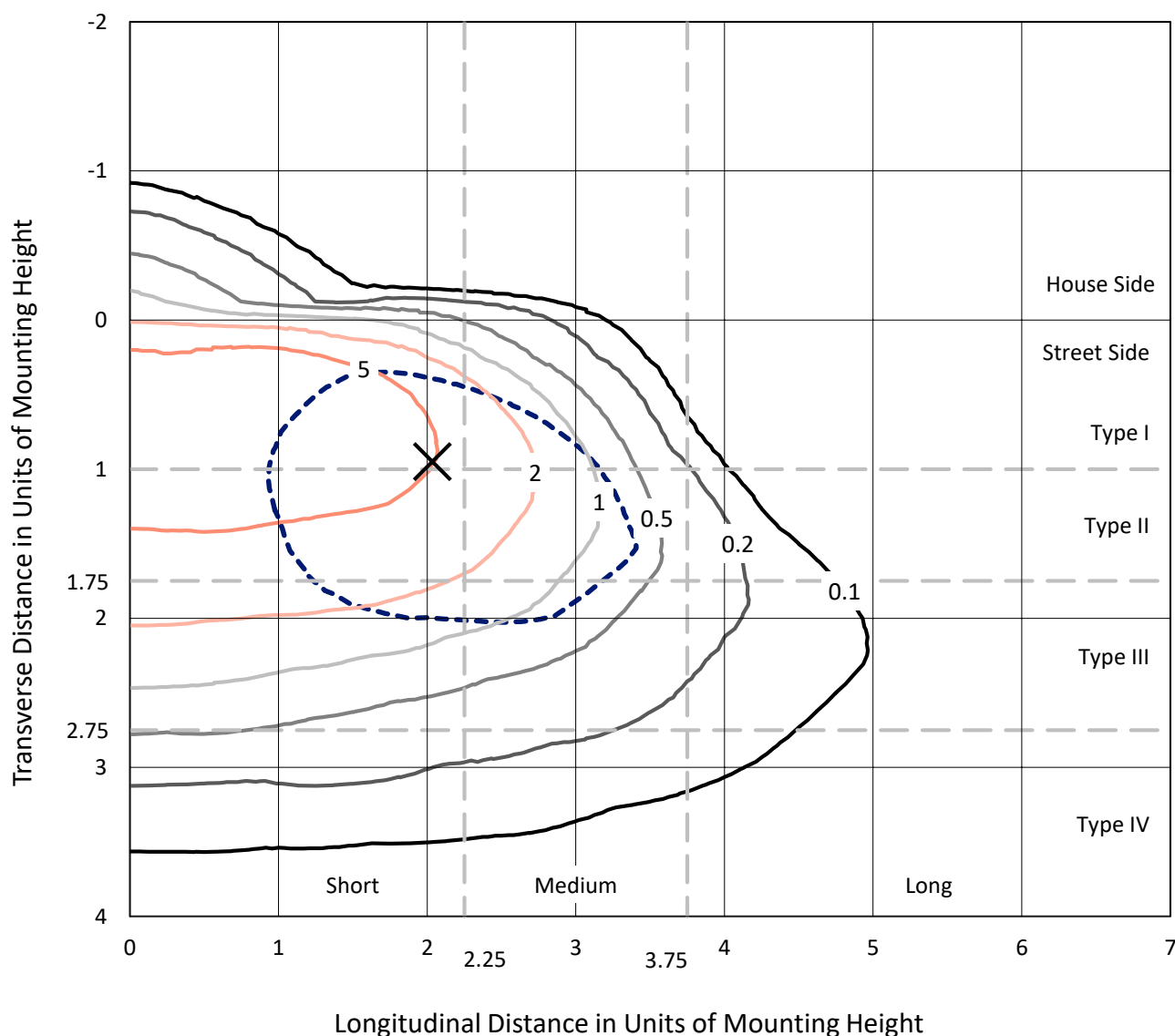
REPORT NUMBER: P165270

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

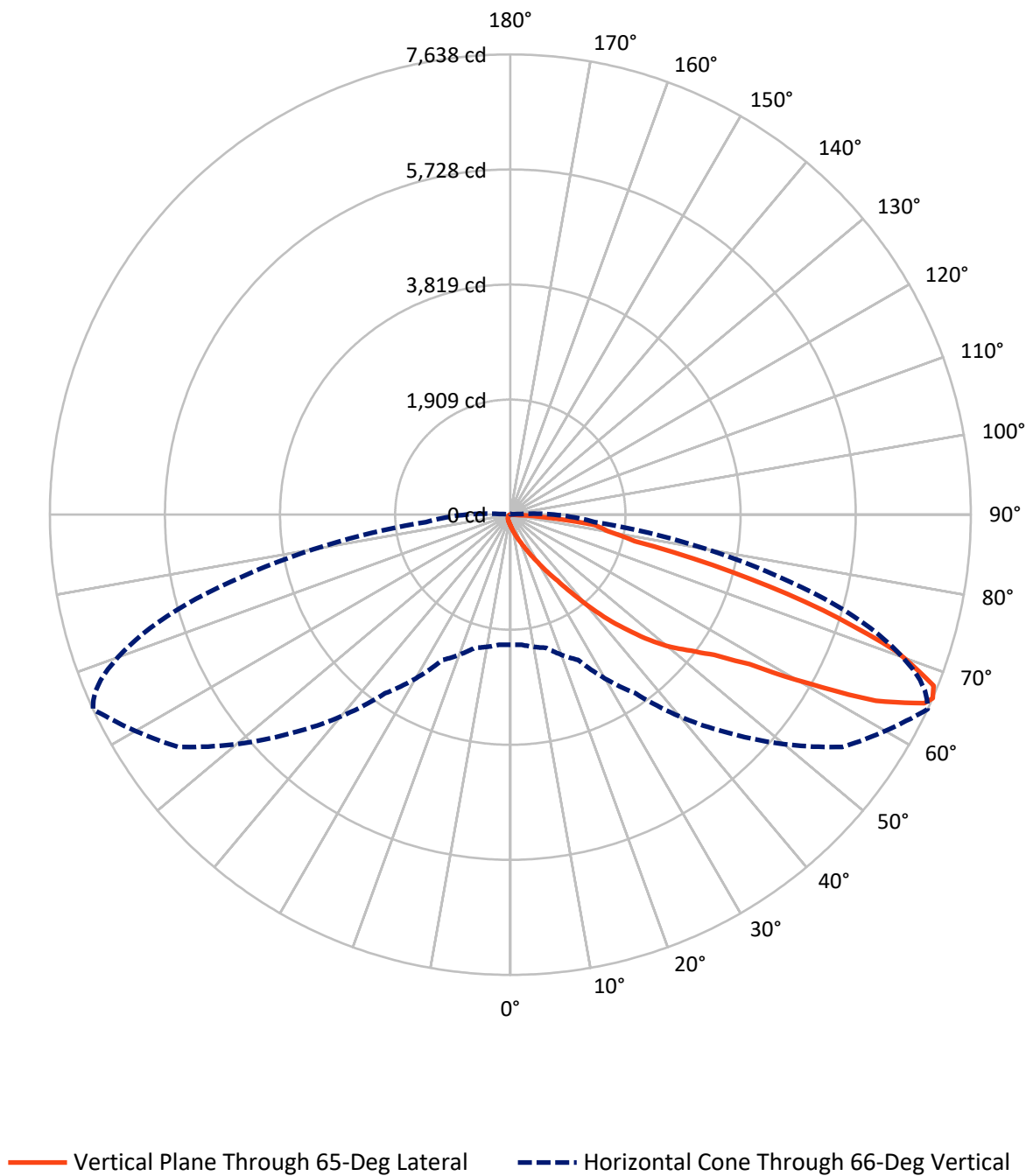


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P165270

CATALOG NUMBER: VST-F05-LED-E-U-SL3-HSS-8030

## Luminous Intensity Polar Plot



REPORT NUMBER: P165270

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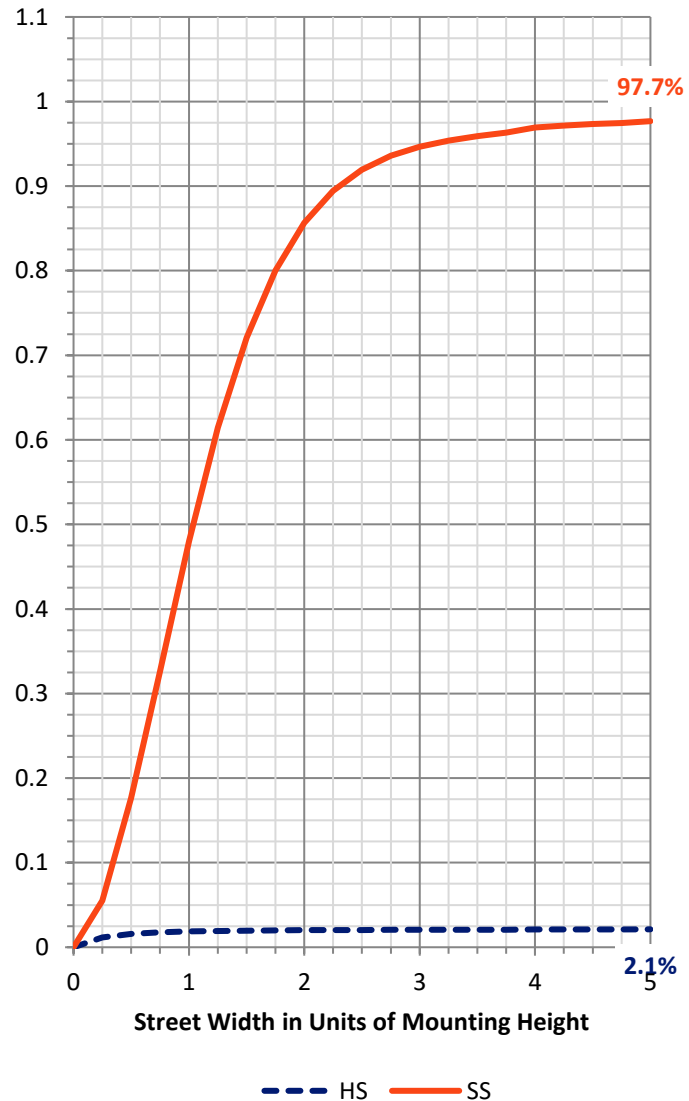
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 129.3    | 0.0    | 129.3  |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 5838.6   | 0.0    | 5838.6 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 5967.9   | 0.0    | 5967.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.2   | 0.3       |
| 10°-20°   | 85.5   | 1.4       |
| 20°-30°   | 184.4  | 3.1       |
| 30°-40°   | 393.8  | 6.6       |
| 40°-50°   | 870.9  | 14.6      |
| 50°-60°   | 1476.0 | 24.7      |
| 60°-70°   | 1969.6 | 33.0      |
| 70°-80°   | 867.6  | 14.5      |
| 80°-90°   | 99.9   | 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°    | 5967.9 | 100.0     |
| 0°-180°   | 5967.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P165270

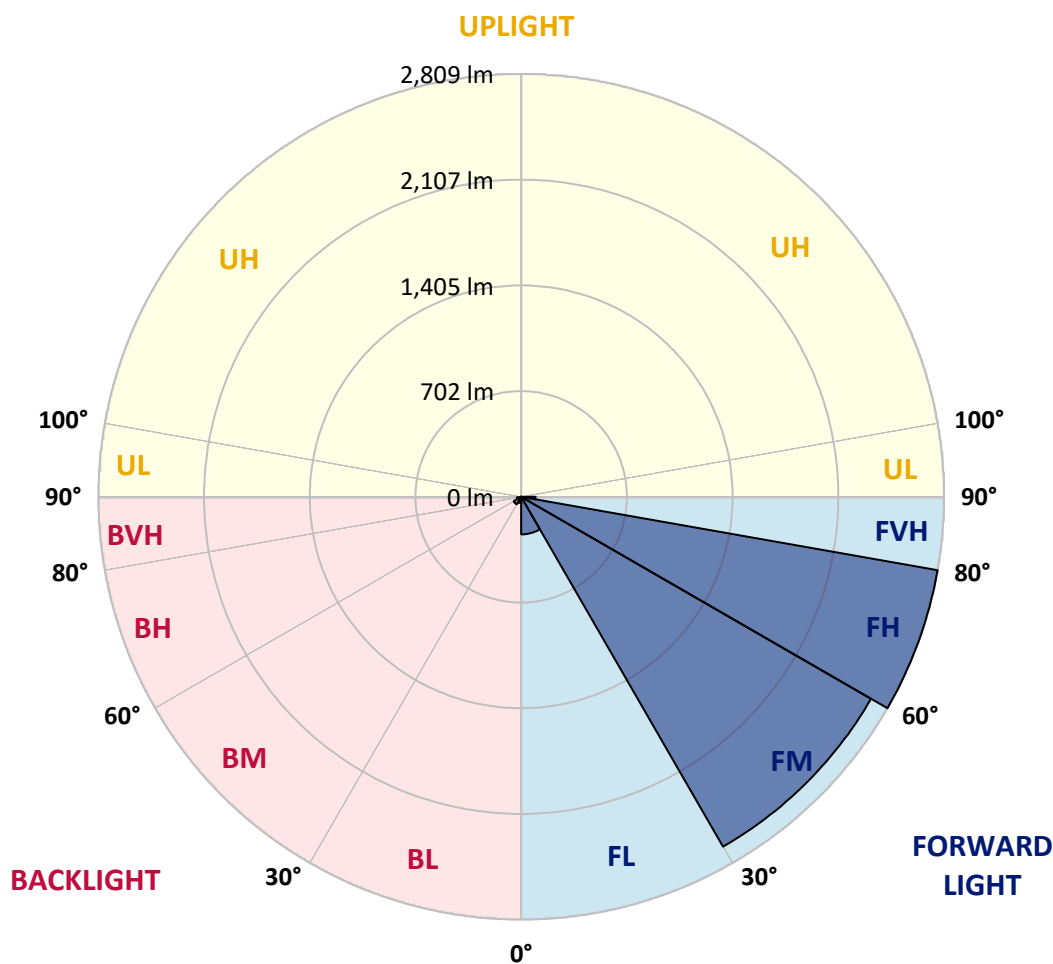
CATALOG NUMBER: VST-F05-LED-E-U-SL3-HSS-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 249.3  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 2684.0 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 2809.4 | 47.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 95.9   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 40.8   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 56.8   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 27.7   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 4.0    | 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-G2**

Type III Short





REPORT NUMBER: P165270

CATALOG NUMBER: VST-F05-LED-E-U-SL3-HSS-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  |
| 2.5°  | 227.2  | 226.0  | 221.4  | 221.4  | 214.5  | 210.0  | 204.2  | 198.5  | 198.5  | 197.3  | 196.2  |
| 5°    | 300.6  | 293.7  | 292.6  | 279.9  | 269.6  | 254.7  | 240.9  | 222.6  | 220.3  | 218.0  | 216.8  |
| 7.5°  | 382.1  | 380.9  | 370.6  | 355.7  | 335.1  | 307.5  | 279.9  | 250.1  | 245.5  | 243.2  | 238.6  |
| 10°   | 487.6  | 481.9  | 468.1  | 442.8  | 411.9  | 375.2  | 330.5  | 283.4  | 277.6  | 273.1  | 270.8  |
| 12.5° | 588.6  | 578.3  | 570.2  | 538.1  | 499.1  | 445.1  | 391.2  | 323.6  | 319.0  | 313.3  | 304.1  |
| 15°   | 682.7  | 673.5  | 659.7  | 632.2  | 588.6  | 520.9  | 457.8  | 375.2  | 363.7  | 355.7  | 348.8  |
| 17.5° | 756.1  | 750.4  | 734.3  | 703.4  | 656.3  | 596.6  | 520.9  | 427.9  | 418.8  | 408.4  | 395.8  |
| 20°   | 826.1  | 818.0  | 792.8  | 750.4  | 699.9  | 654.0  | 595.5  | 496.8  | 484.2  | 471.6  | 457.8  |
| 22.5° | 892.7  | 884.6  | 843.3  | 773.3  | 719.4  | 699.9  | 679.2  | 574.8  | 555.3  | 545.0  | 531.2  |
| 25°   | 985.6  | 968.4  | 904.1  | 792.8  | 720.6  | 735.5  | 771.0  | 675.8  | 657.4  | 642.5  | 620.7  |
| 27.5° | 1110.7 | 1087.7 | 986.7  | 821.5  | 725.1  | 774.5  | 876.6  | 798.5  | 779.0  | 761.8  | 737.8  |
| 30°   | 1251.8 | 1236.8 | 1116.4 | 890.4  | 758.4  | 831.8  | 994.7  | 954.6  | 931.7  | 911.0  | 882.3  |
| 32.5° | 1394.0 | 1373.4 | 1254.1 | 1021.1 | 847.9  | 943.1  | 1142.8 | 1135.9 | 1106.1 | 1086.6 | 1055.6 |
| 35°   | 1519.1 | 1508.8 | 1420.4 | 1235.7 | 1052.1 | 1138.2 | 1340.1 | 1348.1 | 1321.8 | 1301.1 | 1266.7 |
| 37.5° | 1604.0 | 1604.0 | 1586.8 | 1466.3 | 1376.8 | 1441.1 | 1630.4 | 1631.5 | 1605.1 | 1558.1 | 1540.9 |
| 40°   | 1647.6 | 1660.2 | 1722.2 | 1745.1 | 1740.5 | 1823.1 | 2011.3 | 1990.6 | 1968.8 | 1944.7 | 1887.4 |
| 42.5° | 1737.1 | 1748.5 | 1880.5 | 2038.9 | 2142.1 | 2251.1 | 2380.7 | 2373.8 | 2347.5 | 2303.9 | 2251.1 |
| 45°   | 1888.6 | 1903.5 | 2060.7 | 2311.9 | 2524.1 | 2679.1 | 2761.7 | 2729.5 | 2703.1 | 2661.9 | 2634.3 |
| 47.5° | 2081.3 | 2110.0 | 2287.8 | 2598.8 | 2854.6 | 3110.4 | 3196.5 | 3111.6 | 3088.7 | 3056.5 | 3011.8 |
| 50°   | 2286.7 | 2314.2 | 2503.5 | 2859.2 | 3148.3 | 3453.5 | 3597.0 | 3453.5 | 3420.3 | 3409.9 | 3359.4 |
| 52.5° | 2464.5 | 2487.5 | 2669.9 | 3060.0 | 3373.2 | 3731.2 | 3940.0 | 3750.7 | 3726.6 | 3692.1 | 3655.4 |
| 55°   | 2570.0 | 2588.4 | 2759.4 | 3156.4 | 3525.8 | 3981.3 | 4271.6 | 4105.2 | 4069.6 | 4055.9 | 4003.1 |
| 57.5° | 2605.7 | 2624.0 | 2777.7 | 3169.0 | 3608.4 | 4209.6 | 4674.3 | 4680.0 | 4637.6 | 4588.3 | 4572.2 |
| 60°   | 2605.7 | 2626.3 | 2755.9 | 3138.0 | 3688.7 | 4452.8 | 5211.2 | 5689.7 | 5597.9 | 5588.7 | 5530.2 |
| 62.5° | 2497.8 | 2517.3 | 2648.1 | 3042.8 | 3796.6 | 4781.0 | 5959.3 | 6803.8 | 6777.4 | 6717.7 | 6621.4 |
| 65°   | 2263.7 | 2275.2 | 2403.7 | 2799.6 | 3755.3 | 5082.8 | 6607.6 | 7544.9 | 7502.5 | 7385.5 | 7261.6 |
| 66°   | 2158.1 | 2167.3 | 2287.8 | 2660.7 | 3619.9 | 5124.1 | 6722.3 | 7637.9 | 7567.9 | 7469.2 | 7329.2 |
| 67.5° | 2005.6 | 2021.6 | 2106.5 | 2402.6 | 3295.2 | 4980.6 | 6650.1 | 7572.5 | 7511.7 | 7392.4 | 7252.4 |
| 70°   | 1339.0 | 1327.5 | 1626.9 | 1843.8 | 2510.4 | 4058.2 | 5966.2 | 6799.2 | 6800.3 | 6744.1 | 6687.9 |
| 72.5° | 635.6  | 642.5  | 729.7  | 1134.7 | 1643.0 | 2711.2 | 4748.9 | 5426.9 | 5505.0 | 5404.0 | 5334.0 |
| 75°   | 456.6  | 467.0  | 519.8  | 694.2  | 979.8  | 1626.9 | 3078.3 | 3795.4 | 3797.7 | 3618.7 | 3459.3 |
| 77.5° | 133.1  | 138.9  | 195.0  | 427.9  | 734.3  | 1098.0 | 1768.0 | 2110.0 | 2060.7 | 1932.1 | 1811.7 |
| 80°   | 55.0   | 55.0   | 57.3   | 136.6  | 294.9  | 745.8  | 1236.8 | 1624.6 | 1618.9 | 1569.6 | 1498.5 |
| 82.5° | 20.6   | 21.8   | 27.5   | 56.2   | 70.0   | 183.6  | 824.9  | 1410.1 | 1406.6 | 1336.7 | 1286.2 |
| 85°   | 2.3    | 2.3    | 6.9    | 24.1   | 26.4   | 34.4   | 165.2  | 621.8  | 618.4  | 621.8  | 545.0  |
| 87.5° | 0.0    | 0.0    | 1.1    | 2.3    | 3.4    | 4.6    | 6.9    | 24.1   | 26.4   | 25.2   | 22.9   |
| 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: P165270

CATALOG NUMBER: VST-F05-LED-E-U-SL3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  |
| 2.5°  | 196.2  | 193.9  | 193.9  | 192.8  | 192.8  | 192.8  | 191.6  | 190.5  | 190.5  | 189.3  | 188.2  |
| 5°    | 214.5  | 212.2  | 211.1  | 208.8  | 207.7  | 206.5  | 204.2  | 203.1  | 200.8  | 199.6  | 198.5  |
| 7.5°  | 236.3  | 231.7  | 230.6  | 227.2  | 223.7  | 221.4  | 219.1  | 215.7  | 213.4  | 208.8  | 207.7  |
| 10°   | 263.9  | 258.1  | 253.5  | 248.9  | 245.5  | 239.8  | 236.3  | 231.7  | 227.2  | 223.7  | 220.3  |
| 12.5° | 299.5  | 291.4  | 284.5  | 279.9  | 271.9  | 265.0  | 258.1  | 254.7  | 245.5  | 240.9  | 235.2  |
| 15°   | 338.5  | 329.3  | 321.3  | 312.1  | 306.4  | 294.9  | 285.7  | 275.3  | 270.8  | 262.7  | 253.5  |
| 17.5° | 388.9  | 374.0  | 361.4  | 352.3  | 340.8  | 329.3  | 319.0  | 308.7  | 294.9  | 285.7  | 274.2  |
| 20°   | 442.8  | 430.2  | 413.0  | 397.0  | 383.2  | 369.5  | 354.5  | 340.8  | 328.2  | 313.3  | 299.5  |
| 22.5° | 511.8  | 493.4  | 472.7  | 456.6  | 438.3  | 423.4  | 402.7  | 384.4  | 363.7  | 344.2  | 328.2  |
| 25°   | 598.9  | 574.8  | 555.3  | 532.4  | 510.6  | 487.6  | 462.4  | 439.4  | 413.0  | 394.7  | 367.2  |
| 27.5° | 706.8  | 683.8  | 657.4  | 627.6  | 605.8  | 571.4  | 538.1  | 509.5  | 478.4  | 449.7  | 418.8  |
| 30°   | 844.4  | 811.2  | 783.6  | 755.0  | 711.4  | 678.1  | 639.0  | 600.1  | 557.6  | 529.0  | 481.9  |
| 32.5° | 1009.6 | 974.1  | 932.8  | 891.5  | 851.3  | 804.3  | 756.1  | 707.9  | 660.9  | 608.1  | 559.9  |
| 35°   | 1211.6 | 1169.1 | 1122.1 | 1077.4 | 1015.4 | 964.9  | 904.1  | 837.5  | 784.8  | 724.0  | 663.2  |
| 37.5° | 1479.0 | 1408.9 | 1367.6 | 1320.6 | 1236.8 | 1168.0 | 1100.3 | 1033.7 | 940.8  | 876.6  | 790.5  |
| 40°   | 1814.0 | 1772.6 | 1705.0 | 1629.2 | 1553.5 | 1462.9 | 1371.1 | 1282.8 | 1174.9 | 1085.4 | 985.6  |
| 42.5° | 2207.5 | 2146.7 | 2077.9 | 1968.8 | 1892.0 | 1785.2 | 1680.9 | 1563.8 | 1431.9 | 1317.2 | 1200.1 |
| 45°   | 2576.9 | 2504.7 | 2451.9 | 2342.9 | 2262.6 | 2136.3 | 2010.2 | 1886.3 | 1733.6 | 1585.6 | 1450.3 |
| 47.5° | 2976.2 | 2916.5 | 2829.4 | 2741.0 | 2659.6 | 2517.3 | 2380.7 | 2230.5 | 2069.8 | 1894.3 | 1718.7 |
| 50°   | 3327.3 | 3280.3 | 3220.6 | 3113.9 | 3023.3 | 2903.9 | 2743.3 | 2579.2 | 2376.1 | 2201.8 | 2002.1 |
| 52.5° | 3625.6 | 3588.9 | 3505.1 | 3429.4 | 3348.0 | 3235.5 | 3092.1 | 2934.9 | 2715.8 | 2524.1 | 2297.0 |
| 55°   | 3977.9 | 3951.5 | 3878.0 | 3831.0 | 3758.7 | 3650.9 | 3516.6 | 3370.9 | 3139.1 | 2930.3 | 2673.3 |
| 57.5° | 4555.0 | 4534.4 | 4470.0 | 4450.5 | 4379.4 | 4285.3 | 4120.1 | 3964.1 | 3693.3 | 3434.0 | 3140.3 |
| 60°   | 5510.7 | 5469.4 | 5375.3 | 5327.2 | 5176.8 | 5050.6 | 4836.1 | 4621.5 | 4294.5 | 3964.1 | 3610.7 |
| 62.5° | 6534.1 | 6418.3 | 6239.3 | 6085.6 | 5872.2 | 5653.0 | 5366.1 | 5038.0 | 4654.8 | 4262.4 | 3856.2 |
| 65°   | 7086.0 | 6888.7 | 6662.7 | 6418.3 | 6141.8 | 5819.3 | 5457.9 | 5064.4 | 4652.5 | 4238.3 | 3809.2 |
| 66°   | 7149.1 | 6926.5 | 6686.8 | 6414.8 | 6107.4 | 5764.3 | 5397.1 | 4984.1 | 4556.1 | 4152.3 | 3723.1 |
| 67.5° | 7070.0 | 6837.1 | 6583.5 | 6281.8 | 5949.0 | 5593.3 | 5207.8 | 4778.7 | 4366.8 | 3957.2 | 3539.6 |
| 70°   | 6515.8 | 6284.0 | 6058.0 | 5740.2 | 5385.6 | 5027.7 | 4662.8 | 4183.3 | 3793.2 | 3416.8 | 3045.1 |
| 72.5° | 5203.2 | 5046.0 | 4822.3 | 4550.4 | 4205.0 | 3785.1 | 3481.0 | 3052.0 | 2713.5 | 2348.6 | 2060.7 |
| 75°   | 3251.6 | 3030.2 | 2753.6 | 2407.2 | 2143.2 | 1802.5 | 1624.6 | 1298.8 | 1106.1 | 937.4  | 774.5  |
| 77.5° | 1662.5 | 1496.2 | 1302.3 | 1107.2 | 920.2  | 734.3  | 567.9  | 401.6  | 270.8  | 188.2  | 140.0  |
| 80°   | 1373.4 | 1226.5 | 1065.9 | 888.1  | 722.9  | 561.1  | 403.9  | 275.3  | 175.6  | 114.8  | 89.5   |
| 82.5° | 1134.7 | 1010.8 | 867.4  | 702.2  | 558.8  | 440.6  | 306.4  | 199.6  | 123.9  | 80.3   | 63.1   |
| 85°   | 483.0  | 438.3  | 338.5  | 268.5  | 201.9  | 149.2  | 104.4  | 70.0   | 49.3   | 40.1   | 36.7   |
| 87.5° | 20.6   | 22.9   | 21.8   | 17.2   | 12.6   | 12.6   | 11.5   | 9.2    | 9.2    | 9.2    | 9.2    |
| 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: P165270

CATALOG NUMBER: VST-F05-LED-E-U-SL3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 95°   | 105°  | 115°  | 125°  | 135°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1  | 180.1 | 180.1 | 180.1 | 180.1 | 180.1 |
| 2.5°  | 188.2  | 187.0  | 185.9  | 185.9  | 184.7  | 183.6  | 176.7 | 171.0 | 164.1 | 159.5 | 154.9 |
| 5°    | 196.2  | 195.0  | 192.8  | 191.6  | 189.3  | 188.2  | 173.3 | 160.6 | 150.3 | 142.3 | 136.6 |
| 7.5°  | 204.2  | 203.1  | 199.6  | 196.2  | 195.0  | 192.8  | 168.7 | 152.6 | 138.9 | 129.7 | 123.9 |
| 10°   | 214.5  | 211.1  | 207.7  | 203.1  | 199.6  | 196.2  | 164.1 | 143.4 | 128.5 | 120.5 | 114.8 |
| 12.5° | 229.4  | 223.7  | 218.0  | 212.2  | 207.7  | 201.9  | 161.8 | 135.4 | 120.5 | 111.3 | 105.6 |
| 15°   | 246.7  | 238.6  | 231.7  | 224.9  | 216.8  | 211.1  | 157.2 | 128.5 | 113.6 | 104.4 | 97.5  |
| 17.5° | 262.7  | 253.5  | 243.2  | 232.9  | 224.9  | 216.8  | 152.6 | 121.7 | 106.7 | 97.5  | 90.6  |
| 20°   | 285.7  | 271.9  | 259.3  | 246.7  | 235.2  | 224.9  | 145.7 | 114.8 | 101.0 | 90.6  | 83.7  |
| 22.5° | 311.0  | 294.9  | 278.8  | 261.6  | 246.7  | 232.9  | 140.0 | 109.0 | 95.2  | 84.9  | 76.8  |
| 25°   | 343.1  | 323.6  | 301.8  | 279.9  | 262.7  | 244.4  | 134.3 | 103.3 | 89.5  | 79.1  | 71.1  |
| 27.5° | 387.8  | 360.3  | 336.2  | 308.7  | 282.2  | 261.6  | 129.7 | 98.7  | 83.7  | 73.4  | 65.4  |
| 30°   | 448.6  | 408.4  | 370.6  | 340.8  | 309.8  | 279.9  | 125.1 | 92.9  | 79.1  | 67.7  | 58.5  |
| 32.5° | 516.3  | 469.3  | 425.6  | 380.9  | 341.9  | 307.5  | 120.5 | 88.3  | 73.4  | 61.9  | 53.9  |
| 35°   | 600.1  | 540.4  | 481.9  | 430.2  | 383.2  | 337.3  | 115.9 | 83.7  | 68.8  | 56.2  | 48.2  |
| 37.5° | 720.6  | 645.9  | 569.1  | 502.6  | 441.7  | 380.9  | 112.5 | 79.1  | 63.1  | 50.5  | 42.4  |
| 40°   | 885.8  | 789.4  | 695.3  | 604.6  | 525.5  | 449.7  | 107.9 | 74.6  | 58.5  | 45.9  | 37.8  |
| 42.5° | 1064.8 | 947.7  | 823.8  | 721.7  | 612.7  | 517.5  | 103.3 | 70.0  | 53.9  | 41.3  | 33.3  |
| 45°   | 1287.4 | 1141.6 | 991.3  | 852.5  | 719.4  | 596.6  | 98.7  | 65.4  | 48.2  | 36.7  | 28.7  |
| 47.5° | 1530.6 | 1344.7 | 1174.9 | 1000.5 | 842.1  | 695.3  | 92.9  | 61.9  | 43.6  | 32.1  | 25.2  |
| 50°   | 1780.7 | 1584.5 | 1369.9 | 1171.4 | 983.3  | 794.0  | 87.2  | 56.2  | 39.0  | 28.7  | 20.6  |
| 52.5° | 2050.3 | 1818.5 | 1599.4 | 1352.7 | 1133.6 | 923.6  | 81.4  | 51.6  | 35.5  | 25.2  | 17.2  |
| 55°   | 2393.4 | 2134.1 | 1877.1 | 1600.5 | 1336.7 | 1073.9 | 75.7  | 45.9  | 31.0  | 21.8  | 13.8  |
| 57.5° | 2824.8 | 2517.3 | 2201.8 | 1889.7 | 1569.6 | 1271.3 | 71.1  | 40.1  | 26.4  | 18.3  | 11.5  |
| 60°   | 3232.1 | 2873.0 | 2490.9 | 2131.8 | 1770.3 | 1422.7 | 64.2  | 35.5  | 22.9  | 14.9  | 11.5  |
| 62.5° | 3443.2 | 3033.6 | 2621.7 | 2225.9 | 1840.4 | 1476.7 | 57.3  | 29.8  | 19.5  | 12.6  | 10.3  |
| 65°   | 3391.6 | 2973.9 | 2574.6 | 2175.3 | 1797.9 | 1442.2 | 50.5  | 26.4  | 17.2  | 11.5  | 10.3  |
| 66°   | 3317.0 | 2903.9 | 2502.4 | 2122.6 | 1762.3 | 1405.5 | 47.0  | 25.2  | 16.1  | 11.5  | 9.2   |
| 67.5° | 3154.1 | 2754.8 | 2371.5 | 2018.2 | 1664.8 | 1335.5 | 42.4  | 22.9  | 14.9  | 10.3  | 9.2   |
| 70°   | 2694.0 | 2331.4 | 2025.1 | 1710.7 | 1422.7 | 1125.6 | 34.4  | 19.5  | 12.6  | 9.2   | 9.2   |
| 72.5° | 1782.9 | 1536.3 | 1332.1 | 1146.2 | 958.0  | 743.5  | 28.7  | 16.1  | 10.3  | 9.2   | 8.0   |
| 75°   | 672.3  | 608.1  | 522.1  | 469.3  | 409.6  | 359.1  | 22.9  | 10.3  | 8.0   | 8.0   | 8.0   |
| 77.5° | 119.4  | 110.2  | 97.5   | 89.5   | 82.6   | 75.7   | 18.3  | 6.9   | 6.9   | 8.0   | 8.0   |
| 80°   | 80.3   | 74.6   | 67.7   | 61.9   | 57.3   | 51.6   | 12.6  | 5.7   | 6.9   | 6.9   | 8.0   |
| 82.5° | 57.3   | 53.9   | 50.5   | 45.9   | 42.4   | 37.8   | 8.0   | 5.7   | 6.9   | 6.9   | 6.9   |
| 85°   | 34.4   | 32.1   | 29.8   | 27.5   | 24.1   | 22.9   | 5.7   | 5.7   | 5.7   | 6.9   | 6.9   |
| 87.5° | 9.2    | 8.0    | 9.2    | 9.2    | 6.9    | 8.0    | 4.6   | 4.6   | 4.6   | 5.7   | 5.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P165270

CATALOG NUMBER: VST-F05-LED-E-U-SL3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 180.1 | 180.1 | 180.1 | 180.1 | 180.1 |
| 2.5°  | 152.6 | 152.6 | 150.3 | 153.8 | 153.8 |
| 5°    | 132.0 | 132.0 | 130.8 | 132.0 | 132.0 |
| 7.5°  | 120.5 | 119.4 | 119.4 | 119.4 | 120.5 |
| 10°   | 110.2 | 109.0 | 109.0 | 109.0 | 109.0 |
| 12.5° | 101.0 | 99.8  | 98.7  | 99.8  | 99.8  |
| 15°   | 92.9  | 90.6  | 90.6  | 90.6  | 90.6  |
| 17.5° | 86.0  | 83.7  | 82.6  | 82.6  | 82.6  |
| 20°   | 79.1  | 75.7  | 75.7  | 75.7  | 75.7  |
| 22.5° | 72.3  | 68.8  | 68.8  | 68.8  | 68.8  |
| 25°   | 65.4  | 61.9  | 61.9  | 61.9  | 61.9  |
| 27.5° | 59.6  | 56.2  | 56.2  | 56.2  | 56.2  |
| 30°   | 52.8  | 50.5  | 50.5  | 51.6  | 50.5  |
| 32.5° | 48.2  | 44.7  | 44.7  | 45.9  | 45.9  |
| 35°   | 42.4  | 40.1  | 40.1  | 40.1  | 40.1  |
| 37.5° | 36.7  | 34.4  | 34.4  | 34.4  | 34.4  |
| 40°   | 32.1  | 29.8  | 28.7  | 29.8  | 29.8  |
| 42.5° | 27.5  | 25.2  | 24.1  | 24.1  | 24.1  |
| 45°   | 24.1  | 20.6  | 19.5  | 20.6  | 20.6  |
| 47.5° | 19.5  | 17.2  | 17.2  | 18.3  | 18.3  |
| 50°   | 14.9  | 14.9  | 16.1  | 18.3  | 18.3  |
| 52.5° | 13.8  | 13.8  | 16.1  | 18.3  | 18.3  |
| 55°   | 12.6  | 13.8  | 16.1  | 17.2  | 18.3  |
| 57.5° | 11.5  | 13.8  | 16.1  | 17.2  | 17.2  |
| 60°   | 11.5  | 12.6  | 14.9  | 17.2  | 17.2  |
| 62.5° | 10.3  | 11.5  | 13.8  | 16.1  | 16.1  |
| 65°   | 10.3  | 11.5  | 13.8  | 16.1  | 16.1  |
| 66°   | 10.3  | 11.5  | 13.8  | 16.1  | 16.1  |
| 67.5° | 10.3  | 11.5  | 13.8  | 16.1  | 16.1  |
| 70°   | 10.3  | 11.5  | 13.8  | 14.9  | 14.9  |
| 72.5° | 9.2   | 10.3  | 12.6  | 14.9  | 14.9  |
| 75°   | 9.2   | 10.3  | 12.6  | 14.9  | 14.9  |
| 77.5° | 9.2   | 10.3  | 12.6  | 14.9  | 14.9  |
| 80°   | 9.2   | 10.3  | 12.6  | 13.8  | 14.9  |
| 82.5° | 8.0   | 10.3  | 11.5  | 13.8  | 13.8  |
| 85°   | 8.0   | 9.2   | 11.5  | 12.6  | 13.8  |
| 87.5° | 6.9   | 8.0   | 9.2   | 11.5  | 11.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)