

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: P158246

Luminaire Tested: **VST-F06-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158246
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15291.9 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

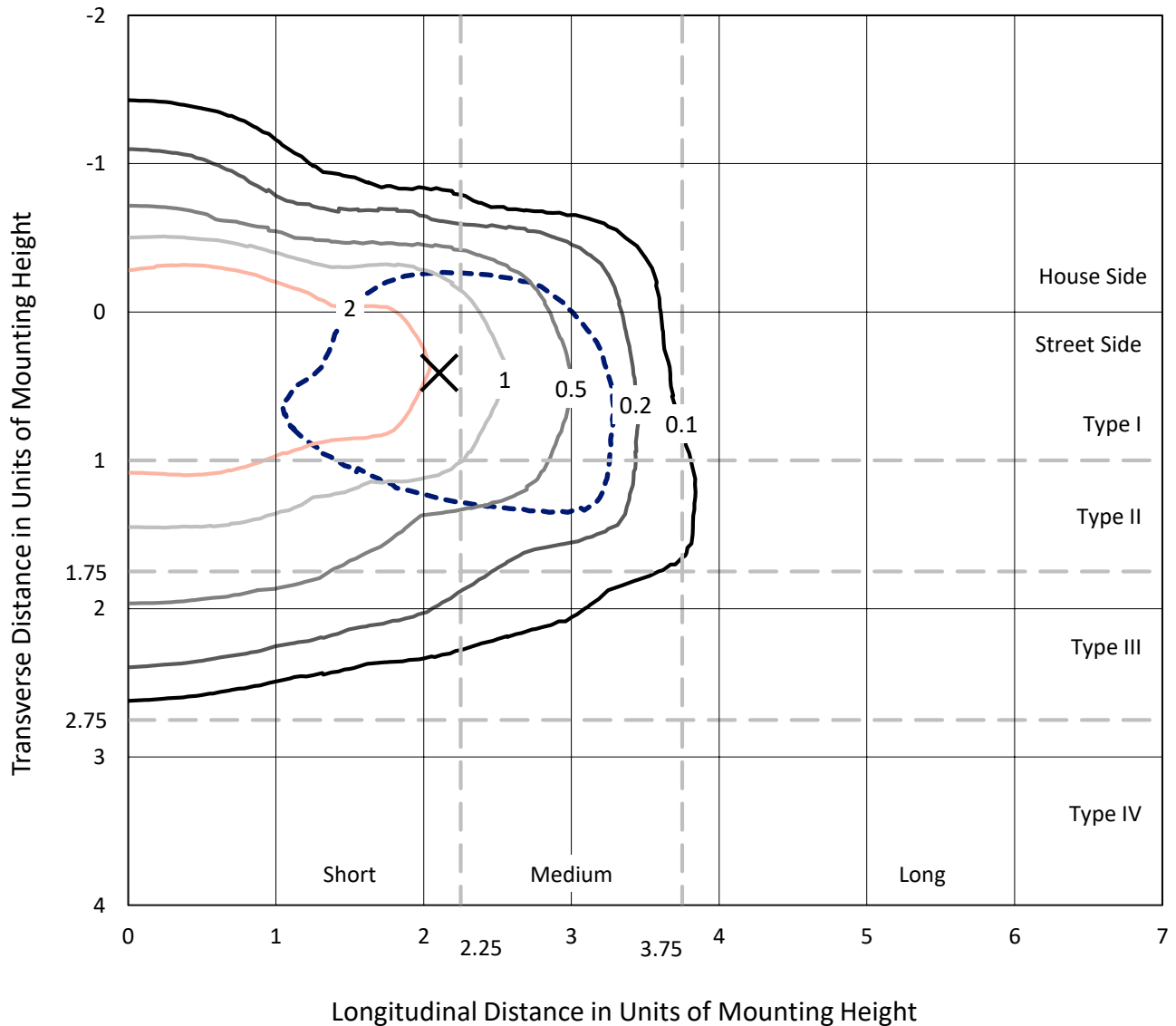
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

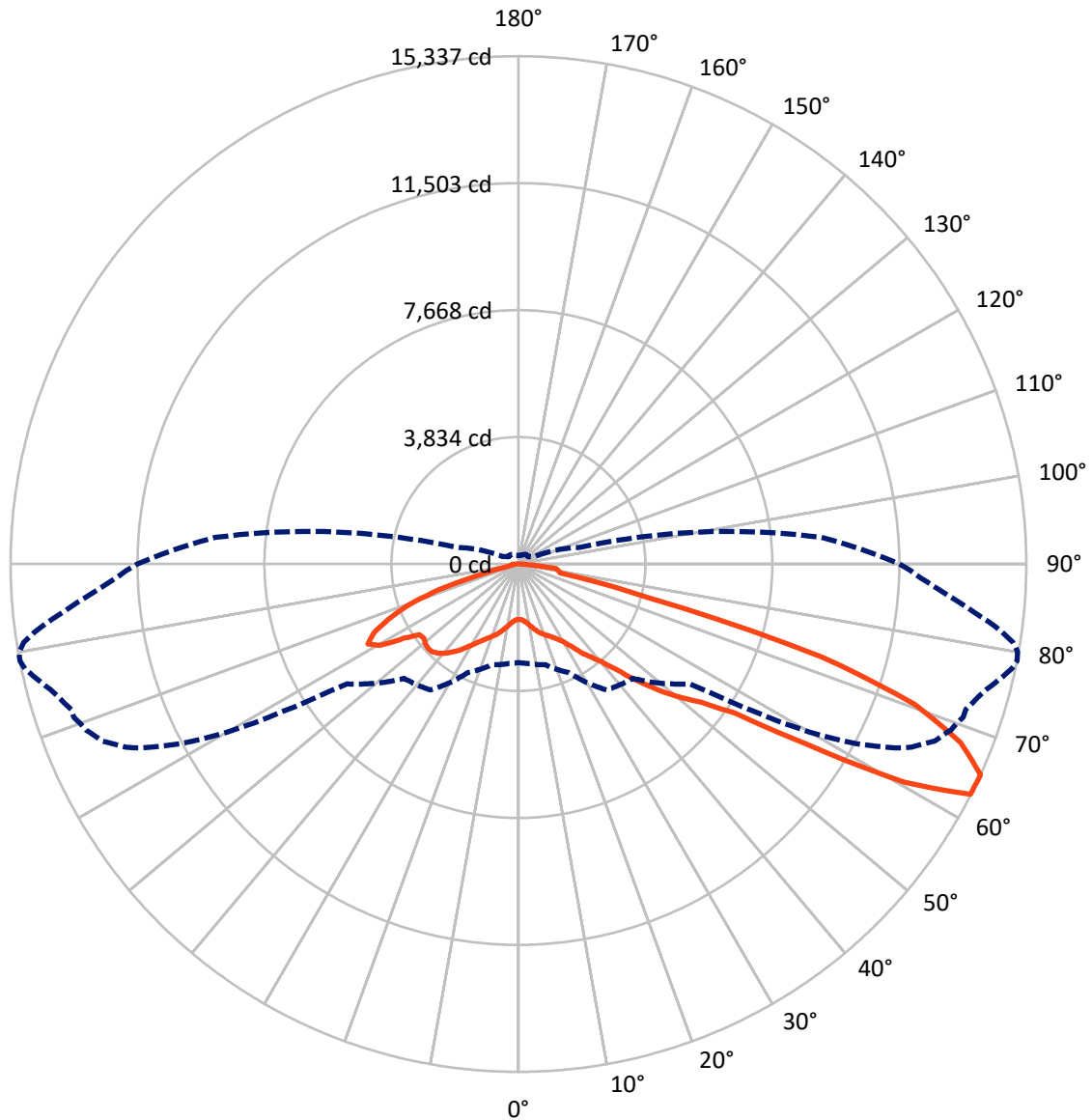
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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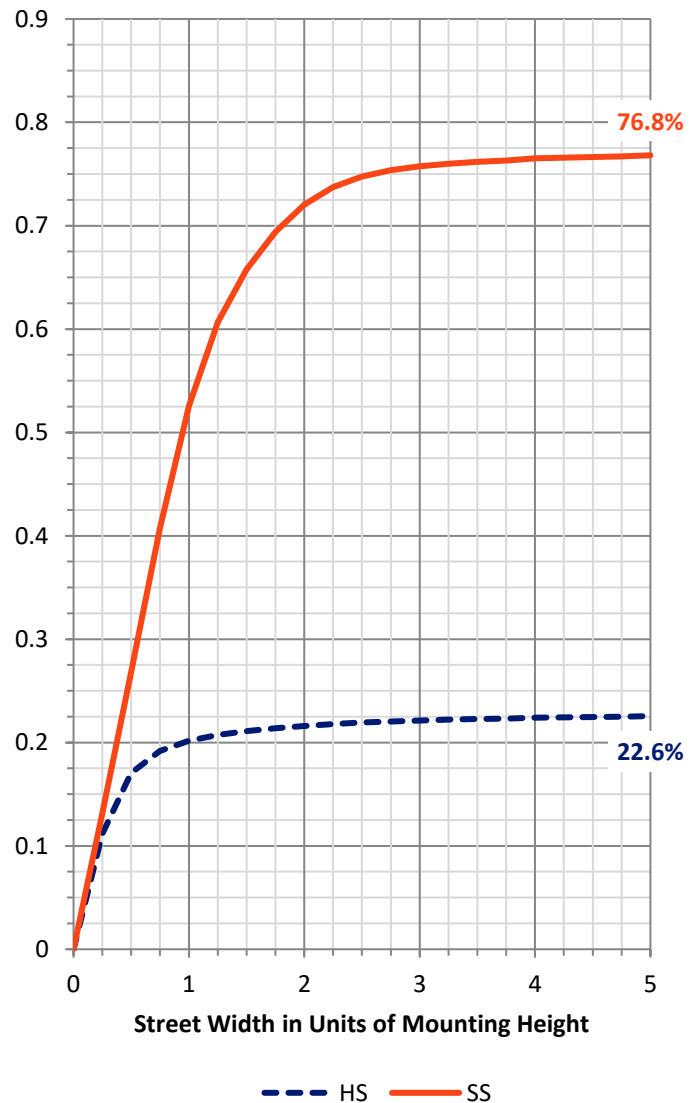
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3513.8 | 0.0 | 3513.8 |
| | % Fixture | 23.0 | 0.0 | 23.0 |
| Street Side | Lumens | 11778.1 | 0.0 | 11778.1 |
| | % Fixture | 77.0 | 0.0 | 77.0 |
| Total | Lumens | 15291.9 | 0.0 | 15291.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 165.5 | 1.1 |
| 10°-20° | 537.6 | 3.5 |
| 20°-30° | 926.8 | 6.1 |
| 30°-40° | 1518.1 | 9.9 |
| 40°-50° | 2542.3 | 16.6 |
| 50°-60° | 3438.9 | 22.5 |
| 60°-70° | 4235.0 | 27.7 |
| 70°-80° | 1639.3 | 10.7 |
| 80°-90° | 288.3 | 1.9 |
| 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° | 15291.9 | 100.0 |
| 0°-180° | 15291.9 | 100.0 |



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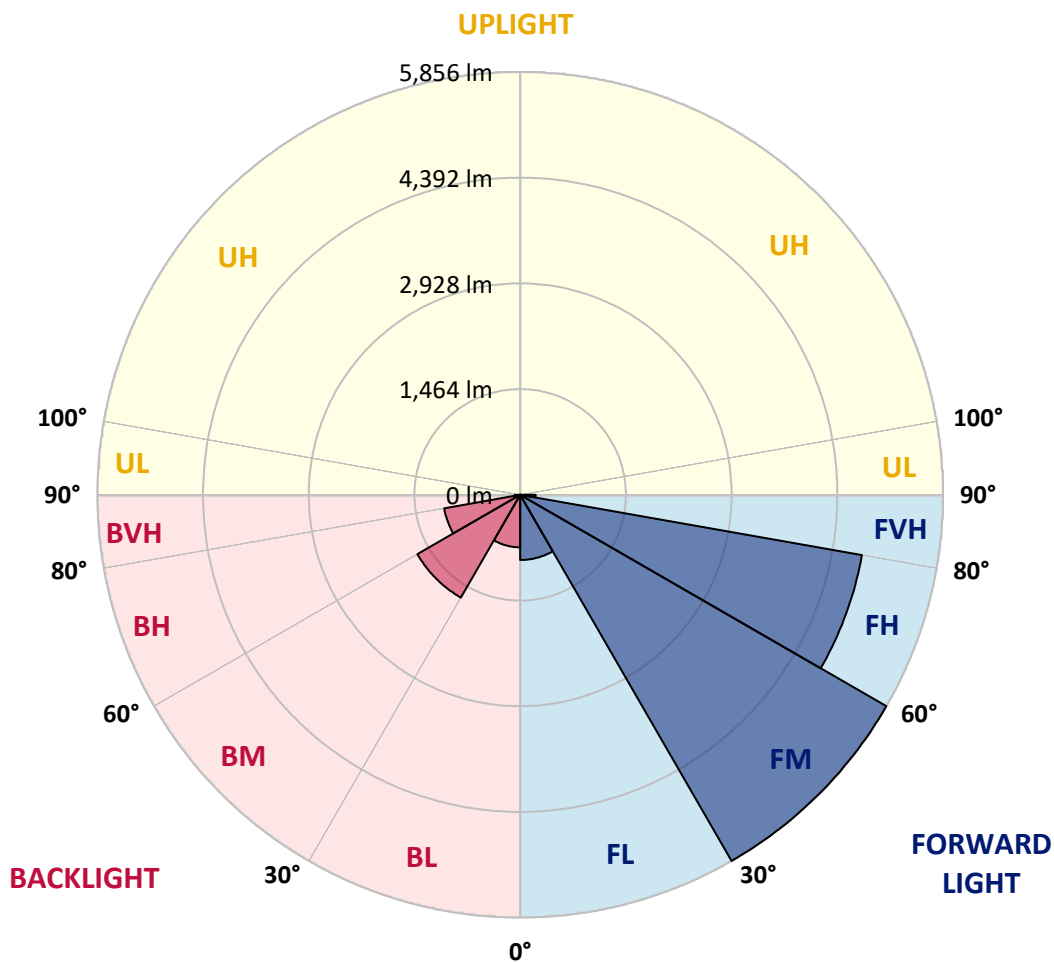
CATALOG NUMBER: VST-F06-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 902.8 | 5.9 | | | |
| FM (30°-60°) | 5856.1 | 38.3 | | | |
| FH (60°-80°) | 4805.3 | 31.4 | | | G2/5000 |
| FVH (80°-90°) | 213.9 | 1.4 | | | G2/225 |
| BL (0°-30°) | 727.2 | 4.8 | B2/1000 | | |
| BM (30°-60°) | 1643.2 | 10.7 | B2/2500 | | |
| BH (60°-80°) | 1069.0 | 7.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 74.4 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 |
| 2.5° | 1676.2 | 1671.1 | 1676.2 | 1680.3 | 1683.3 | 1687.4 | 1686.4 | 1685.3 | 1684.3 | 1685.3 | 1685.3 |
| 5° | 1690.4 | 1689.4 | 1694.5 | 1698.6 | 1705.7 | 1710.8 | 1716.9 | 1716.9 | 1716.9 | 1715.8 | 1717.9 |
| 7.5° | 1736.2 | 1735.1 | 1740.2 | 1744.3 | 1750.4 | 1760.6 | 1768.7 | 1772.8 | 1771.7 | 1771.7 | 1771.7 |
| 10° | 1811.4 | 1807.3 | 1807.3 | 1807.3 | 1815.5 | 1822.6 | 1840.9 | 1842.9 | 1847.0 | 1844.9 | 1845.9 |
| 12.5° | 1884.6 | 1885.6 | 1882.5 | 1879.5 | 1880.5 | 1894.7 | 1921.2 | 1926.2 | 1927.3 | 1930.3 | 1932.3 |
| 15° | 1950.6 | 1949.6 | 1942.5 | 1935.4 | 1944.5 | 1968.9 | 2003.5 | 2012.7 | 2012.7 | 2018.8 | 2022.8 |
| 17.5° | 2011.6 | 2009.6 | 1996.4 | 1984.2 | 1993.3 | 2035.0 | 2088.9 | 2095.0 | 2104.1 | 2107.2 | 2111.3 |
| 20° | 2083.8 | 2079.7 | 2064.5 | 2032.0 | 2032.0 | 2088.9 | 2160.0 | 2166.1 | 2174.3 | 2176.3 | 2183.4 |
| 22.5° | 2184.4 | 2174.3 | 2141.7 | 2082.8 | 2066.5 | 2132.6 | 2220.0 | 2223.1 | 2229.2 | 2237.3 | 2243.4 |
| 25° | 2298.3 | 2300.3 | 2247.5 | 2144.8 | 2109.2 | 2178.3 | 2278.0 | 2283.0 | 2294.2 | 2300.3 | 2307.4 |
| 27.5° | 2416.2 | 2419.2 | 2360.3 | 2232.2 | 2172.2 | 2241.4 | 2356.2 | 2362.3 | 2375.5 | 2382.7 | 2393.8 |
| 30° | 2550.4 | 2554.4 | 2497.5 | 2368.4 | 2276.9 | 2333.9 | 2472.1 | 2488.4 | 2499.6 | 2508.7 | 2527.0 |
| 32.5° | 2872.6 | 2848.2 | 2808.6 | 2671.3 | 2527.0 | 2522.9 | 2659.1 | 2677.4 | 2692.7 | 2712.0 | 2729.3 |
| 35° | 3278.2 | 3293.4 | 3313.8 | 3221.3 | 3094.2 | 3001.7 | 3012.9 | 3002.7 | 3016.9 | 3045.4 | 3062.7 |
| 37.5° | 3599.4 | 3632.9 | 3721.4 | 3781.3 | 3776.3 | 3758.0 | 3587.2 | 3587.2 | 3596.3 | 3581.1 | 3579.1 |
| 40° | 3851.5 | 3872.8 | 4053.8 | 4286.5 | 4482.7 | 4579.3 | 4444.1 | 4424.8 | 4434.9 | 4356.7 | 4359.7 |
| 42.5° | 3981.6 | 4013.1 | 4273.3 | 4682.0 | 5071.3 | 5381.3 | 5339.6 | 5326.4 | 5295.9 | 5276.6 | 5264.4 |
| 45° | 4047.7 | 4085.3 | 4395.3 | 4956.4 | 5523.6 | 6002.4 | 6217.9 | 6215.8 | 6188.4 | 6166.0 | 6155.9 |
| 47.5° | 4014.1 | 4046.6 | 4377.0 | 5039.8 | 5761.5 | 6402.9 | 6879.6 | 6909.1 | 6901.0 | 6933.5 | 6946.7 |
| 50° | 3794.6 | 3836.2 | 4167.6 | 4859.8 | 5661.9 | 6560.4 | 7338.0 | 7392.9 | 7467.1 | 7513.9 | 7575.9 |
| 52.5° | 3596.3 | 3630.9 | 3929.8 | 4568.1 | 5334.5 | 6432.4 | 7614.5 | 7727.4 | 7829.0 | 7924.6 | 7998.8 |
| 55° | 3389.0 | 3423.5 | 3685.8 | 4265.2 | 5004.2 | 6054.2 | 7740.6 | 7905.2 | 8063.8 | 8225.4 | 8373.9 |
| 57.5° | 3310.7 | 3347.3 | 3542.5 | 4030.4 | 4733.8 | 5679.1 | 7802.6 | 8073.0 | 8331.2 | 8605.6 | 8890.2 |
| 60° | 3514.0 | 3546.5 | 3694.9 | 4036.5 | 4527.4 | 5304.0 | 7677.6 | 8102.4 | 8546.7 | 8999.0 | 9436.1 |
| 62.5° | 3452.0 | 3469.3 | 3654.3 | 4183.9 | 4790.7 | 4934.0 | 7135.8 | 7696.9 | 8342.3 | 9005.1 | 9675.0 |
| 65° | 2978.3 | 3011.9 | 3151.1 | 3616.7 | 4643.3 | 4884.2 | 6310.4 | 6874.5 | 7635.9 | 8419.6 | 9317.2 |
| 67.5° | 2136.7 | 2089.9 | 2197.7 | 2605.3 | 3602.4 | 4876.1 | 5381.3 | 5799.1 | 6395.8 | 6996.5 | 7732.4 |
| 70° | 970.7 | 948.4 | 1032.8 | 1355.0 | 2173.3 | 3853.5 | 4549.8 | 4691.1 | 4912.7 | 5317.3 | 5814.3 |
| 72.5° | 383.2 | 382.2 | 437.1 | 560.1 | 1027.7 | 2480.2 | 3826.1 | 3907.4 | 3985.7 | 4161.5 | 4376.0 |
| 75° | 251.1 | 251.1 | 267.3 | 301.9 | 506.2 | 1197.4 | 3236.5 | 3310.7 | 3430.7 | 3480.5 | 3571.9 |
| 77.5° | 189.1 | 190.1 | 197.2 | 205.3 | 279.5 | 630.2 | 2284.1 | 2547.3 | 2750.6 | 2902.1 | 3012.9 |
| 80° | 134.2 | 140.3 | 153.5 | 158.6 | 182.0 | 358.8 | 1290.9 | 1481.0 | 1710.8 | 1955.7 | 2263.7 |
| 82.5° | 100.6 | 107.7 | 130.1 | 136.2 | 144.3 | 204.3 | 582.4 | 660.7 | 771.5 | 1000.2 | 1438.3 |
| 85° | 46.8 | 51.8 | 89.5 | 97.6 | 104.7 | 117.9 | 295.8 | 330.4 | 375.1 | 410.7 | 478.8 |
| 87.5° | 7.1 | 5.1 | 15.2 | 21.3 | 33.5 | 34.6 | 101.6 | 121.0 | 131.1 | 157.6 | 163.7 |
| 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):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 |
| 2.5° | 1685.3 | 1686.4 | 1687.4 | 1685.3 | 1686.4 | 1686.4 | 1684.3 | 1683.3 | 1683.3 | 1683.3 | 1684.3 |
| 5° | 1717.9 | 1719.9 | 1717.9 | 1718.9 | 1723.0 | 1721.9 | 1719.9 | 1718.9 | 1723.0 | 1724.0 | 1720.9 |
| 7.5° | 1775.8 | 1776.8 | 1772.8 | 1777.8 | 1779.9 | 1780.9 | 1780.9 | 1782.9 | 1782.9 | 1786.0 | 1782.9 |
| 10° | 1850.0 | 1850.0 | 1857.1 | 1856.1 | 1857.1 | 1859.2 | 1860.2 | 1864.2 | 1867.3 | 1867.3 | 1869.3 |
| 12.5° | 1935.4 | 1936.4 | 1943.5 | 1944.5 | 1948.6 | 1949.6 | 1955.7 | 1951.7 | 1961.8 | 1961.8 | 1964.9 |
| 15° | 2023.8 | 2030.9 | 2032.0 | 2042.1 | 2044.2 | 2045.2 | 2053.3 | 2053.3 | 2060.4 | 2061.4 | 2063.5 |
| 17.5° | 2111.3 | 2117.4 | 2121.4 | 2129.5 | 2136.7 | 2139.7 | 2142.8 | 2148.9 | 2153.9 | 2156.0 | 2161.1 |
| 20° | 2186.5 | 2192.6 | 2196.6 | 2204.8 | 2210.9 | 2215.9 | 2219.0 | 2226.1 | 2231.2 | 2233.2 | 2240.3 |
| 22.5° | 2249.5 | 2253.6 | 2260.7 | 2271.9 | 2273.9 | 2280.0 | 2289.1 | 2294.2 | 2296.3 | 2302.4 | 2310.5 |
| 25° | 2316.6 | 2322.7 | 2326.7 | 2336.9 | 2345.0 | 2355.2 | 2363.3 | 2371.5 | 2373.5 | 2381.6 | 2388.8 |
| 27.5° | 2406.0 | 2412.1 | 2413.1 | 2433.5 | 2441.6 | 2455.8 | 2465.0 | 2477.2 | 2483.3 | 2490.4 | 2504.6 |
| 30° | 2538.2 | 2552.4 | 2558.5 | 2581.9 | 2586.0 | 2602.2 | 2618.5 | 2622.5 | 2631.7 | 2632.7 | 2656.1 |
| 32.5° | 2740.5 | 2760.8 | 2768.9 | 2793.3 | 2799.4 | 2814.7 | 2823.8 | 2845.2 | 2846.2 | 2856.3 | 2861.4 |
| 35° | 3071.8 | 3066.8 | 3098.3 | 3104.4 | 3122.7 | 3135.9 | 3145.0 | 3145.0 | 3164.3 | 3165.4 | 3171.5 |
| 37.5° | 3524.2 | 3514.0 | 3522.1 | 3485.5 | 3494.7 | 3478.4 | 3475.4 | 3479.4 | 3471.3 | 3473.3 | 3472.3 |
| 40° | 4247.9 | 4202.2 | 4154.4 | 4041.6 | 4017.2 | 3970.4 | 3933.8 | 3904.3 | 3875.9 | 3845.4 | 3825.1 |
| 42.5° | 5155.6 | 5089.6 | 5018.4 | 4837.5 | 4753.1 | 4662.6 | 4574.2 | 4523.4 | 4421.7 | 4359.7 | 4326.2 |
| 45° | 6107.1 | 6029.8 | 5930.2 | 5779.8 | 5659.8 | 5563.3 | 5401.6 | 5325.4 | 5167.8 | 5089.6 | 4983.9 |
| 47.5° | 6886.7 | 6887.7 | 6807.4 | 6655.0 | 6526.9 | 6462.8 | 6362.2 | 6214.8 | 6035.9 | 5935.3 | 5747.2 |
| 50° | 7568.8 | 7567.8 | 7562.7 | 7471.2 | 7381.8 | 7311.6 | 7223.2 | 7090.0 | 6943.6 | 6829.8 | 6614.3 |
| 52.5° | 8073.0 | 8140.1 | 8168.5 | 8167.5 | 8156.3 | 8123.8 | 8056.7 | 7941.8 | 7793.4 | 7729.4 | 7557.6 |
| 55° | 8489.7 | 8636.1 | 8712.3 | 8879.0 | 8894.3 | 8948.2 | 8889.2 | 8890.2 | 8802.8 | 8808.9 | 8754.0 |
| 57.5° | 9121.0 | 9388.3 | 9541.8 | 9910.8 | 10095.8 | 10319.4 | 10279.8 | 10466.8 | 10534.9 | 10621.3 | 10736.2 |
| 60° | 9837.6 | 10336.7 | 10700.6 | 11434.5 | 11733.4 | 12095.2 | 12294.5 | 12506.9 | 12661.4 | 12820.0 | 12936.9 |
| 62.5° | 10349.9 | 11005.5 | 11603.2 | 12649.2 | 13037.5 | 13418.7 | 13669.8 | 13926.9 | 14100.8 | 14214.6 | 14299.0 |
| 65° | 10140.5 | 10865.3 | 11571.7 | 12668.5 | 13091.4 | 13367.9 | 13666.7 | 13815.1 | 13988.9 | 14083.5 | 14204.4 |
| 67.5° | 8616.8 | 9343.6 | 10100.9 | 11394.9 | 11837.0 | 12219.2 | 12452.0 | 12644.1 | 12784.4 | 12904.3 | 13043.6 |
| 70° | 6408.0 | 7202.9 | 7985.6 | 9404.6 | 9962.6 | 10514.6 | 10789.0 | 11026.9 | 11173.3 | 11294.2 | 11447.7 |
| 72.5° | 4611.8 | 5109.9 | 5598.8 | 7187.6 | 7745.7 | 8459.2 | 8743.9 | 9008.1 | 9198.2 | 9192.1 | 9354.8 |
| 75° | 3671.6 | 3873.8 | 4091.4 | 4911.7 | 5312.2 | 5913.9 | 6073.5 | 6221.9 | 6132.5 | 5960.7 | 5950.5 |
| 77.5° | 3056.6 | 3139.9 | 3213.1 | 3470.3 | 3529.3 | 3672.6 | 3593.3 | 3511.0 | 3245.7 | 3022.0 | 2904.1 |
| 80° | 2481.3 | 2645.9 | 2753.7 | 2936.6 | 3011.9 | 3054.6 | 3065.7 | 3037.3 | 2939.7 | 2804.5 | 2589.0 |
| 82.5° | 1844.9 | 2158.0 | 2371.5 | 2731.3 | 2863.5 | 2890.9 | 2943.8 | 2911.2 | 2847.2 | 2737.4 | 2582.9 |
| 85° | 540.8 | 611.9 | 701.4 | 951.4 | 1115.1 | 1254.3 | 1396.7 | 1466.8 | 1510.5 | 1449.5 | 1289.9 |
| 87.5° | 190.1 | 214.5 | 239.9 | 330.4 | 351.7 | 424.9 | 416.8 | 492.0 | 495.0 | 516.4 | 494.0 |
| 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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CATALOG NUMBER: VST-F06-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 |
| 2.5° | 1683.3 | 1683.3 | 1683.3 | 1684.3 | 1684.3 | 1684.3 | 1682.3 | 1681.3 | 1682.3 | 1684.3 | 1684.3 |
| 5° | 1723.0 | 1724.0 | 1726.0 | 1721.9 | 1723.0 | 1726.0 | 1724.0 | 1723.0 | 1724.0 | 1726.0 | 1724.0 |
| 7.5° | 1787.0 | 1788.0 | 1786.0 | 1790.0 | 1790.0 | 1792.1 | 1795.1 | 1792.1 | 1793.1 | 1794.1 | 1795.1 |
| 10° | 1870.3 | 1871.4 | 1873.4 | 1876.4 | 1877.5 | 1879.5 | 1881.5 | 1884.6 | 1884.6 | 1882.5 | 1887.6 |
| 12.5° | 1970.0 | 1968.9 | 1971.0 | 1975.0 | 1977.1 | 1980.1 | 1986.2 | 1986.2 | 1990.3 | 1989.3 | 1994.4 |
| 15° | 2067.5 | 2072.6 | 2073.6 | 2080.8 | 2083.8 | 2088.9 | 2096.0 | 2100.1 | 2100.1 | 2106.2 | 2108.2 |
| 17.5° | 2165.1 | 2169.2 | 2173.3 | 2179.4 | 2183.4 | 2186.5 | 2194.6 | 2199.7 | 2198.7 | 2209.9 | 2209.9 |
| 20° | 2240.3 | 2248.5 | 2253.6 | 2257.6 | 2264.7 | 2269.8 | 2275.9 | 2282.0 | 2286.1 | 2293.2 | 2295.2 |
| 22.5° | 2313.5 | 2318.6 | 2325.7 | 2330.8 | 2338.9 | 2345.0 | 2352.2 | 2357.2 | 2364.4 | 2373.5 | 2376.6 |
| 25° | 2394.9 | 2403.0 | 2411.1 | 2418.2 | 2424.3 | 2431.4 | 2443.6 | 2454.8 | 2465.0 | 2473.1 | 2476.2 |
| 27.5° | 2507.7 | 2516.8 | 2529.0 | 2534.1 | 2543.3 | 2549.4 | 2567.7 | 2581.9 | 2587.0 | 2601.2 | 2605.3 |
| 30° | 2660.2 | 2670.3 | 2682.5 | 2688.6 | 2704.9 | 2713.0 | 2732.3 | 2747.6 | 2752.7 | 2769.9 | 2773.0 |
| 32.5° | 2880.7 | 2886.8 | 2911.2 | 2910.2 | 2932.6 | 2956.0 | 2967.1 | 2979.3 | 3001.7 | 3010.8 | 3013.9 |
| 35° | 3186.7 | 3200.9 | 3218.2 | 3217.2 | 3245.7 | 3258.9 | 3281.2 | 3294.4 | 3310.7 | 3309.7 | 3327.0 |
| 37.5° | 3482.5 | 3487.6 | 3493.7 | 3506.9 | 3527.2 | 3545.5 | 3553.7 | 3566.9 | 3579.1 | 3597.4 | 3619.7 |
| 40° | 3804.7 | 3816.9 | 3817.9 | 3825.1 | 3835.2 | 3858.6 | 3873.8 | 3888.1 | 3929.8 | 3956.2 | 3969.4 |
| 42.5° | 4287.6 | 4284.5 | 4264.2 | 4277.4 | 4283.5 | 4319.1 | 4330.3 | 4374.0 | 4420.7 | 4476.6 | 4491.9 |
| 45° | 4908.6 | 4868.0 | 4855.8 | 4850.7 | 4883.2 | 4901.5 | 4947.3 | 5028.6 | 5077.4 | 5130.2 | 5155.6 |
| 47.5° | 5673.0 | 5546.0 | 5486.0 | 5472.8 | 5506.3 | 5584.6 | 5599.8 | 5680.2 | 5744.2 | 5782.8 | 5808.2 |
| 50° | 6438.5 | 6338.8 | 6212.8 | 6170.1 | 6161.0 | 6233.1 | 6250.4 | 6317.5 | 6382.5 | 6393.7 | 6380.5 |
| 52.5° | 7400.1 | 7237.4 | 7029.0 | 6953.8 | 6893.8 | 6898.9 | 6913.2 | 6941.6 | 6983.3 | 6966.0 | 6930.4 |
| 55° | 8630.0 | 8445.0 | 8342.3 | 8200.0 | 8109.6 | 8093.3 | 8031.3 | 7945.9 | 7942.9 | 7954.0 | 7847.3 |
| 57.5° | 10678.2 | 10601.0 | 10644.7 | 10629.4 | 10540.0 | 10593.9 | 10314.3 | 10235.0 | 10172.0 | 10062.2 | 9963.6 |
| 60° | 13040.6 | 13119.8 | 13210.3 | 13418.7 | 13409.5 | 13618.9 | 13424.8 | 13376.0 | 13317.0 | 12978.6 | 12812.9 |
| 62.5° | 14446.4 | 14477.9 | 14611.0 | 14805.2 | 14996.3 | 15196.5 | 15287.0 | 15318.5 | 15195.5 | 14919.0 | 14573.4 |
| 65° | 14201.4 | 14340.7 | 14469.7 | 14637.5 | 14833.6 | 15033.9 | 15225.0 | 15336.8 | 15308.4 | 15125.4 | 14745.2 |
| 67.5° | 13088.3 | 13234.7 | 13423.8 | 13599.6 | 13811.1 | 13984.9 | 14194.3 | 14399.6 | 14405.7 | 14314.2 | 14049.9 |
| 70° | 11464.0 | 11633.7 | 11828.9 | 11927.5 | 12156.2 | 12313.8 | 12487.6 | 12690.9 | 12757.0 | 12768.1 | 12460.1 |
| 72.5° | 9320.2 | 9391.4 | 9486.9 | 9435.1 | 9480.8 | 9581.4 | 9534.7 | 9550.9 | 9299.9 | 9346.6 | 8966.5 |
| 75° | 5676.1 | 5611.0 | 5322.3 | 5059.1 | 4737.9 | 4490.9 | 4549.8 | 4078.2 | 3613.6 | 3590.2 | 3254.8 |
| 77.5° | 2878.7 | 2775.0 | 2596.1 | 2410.1 | 2137.7 | 1825.6 | 1565.4 | 1284.8 | 1048.0 | 912.8 | 783.7 |
| 80° | 2451.8 | 2378.6 | 2280.0 | 2144.8 | 1946.6 | 1715.8 | 1444.4 | 1231.0 | 1032.8 | 826.4 | 661.7 |
| 82.5° | 2346.1 | 2122.4 | 1979.1 | 1866.3 | 1651.8 | 1438.3 | 1289.9 | 1143.6 | 1003.3 | 876.2 | 694.3 |
| 85° | 1163.9 | 1029.7 | 871.1 | 772.5 | 594.6 | 465.6 | 436.1 | 358.8 | 334.4 | 258.2 | 217.5 |
| 87.5° | 391.3 | 320.2 | 238.9 | 201.3 | 160.6 | 131.1 | 129.1 | 114.9 | 113.8 | 103.7 | 95.6 |
| 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: P158246

CATALOG NUMBER: VST-F06-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 |
| 2.5° | 1683.3 | 1685.3 | 1685.3 | 1683.3 | 1684.3 | 1682.3 | 1683.3 | 1684.3 | 1681.3 | 1680.3 | 1677.2 |
| 5° | 1725.0 | 1724.0 | 1724.0 | 1725.0 | 1728.0 | 1729.1 | 1724.0 | 1726.0 | 1727.0 | 1721.9 | 1710.8 |
| 7.5° | 1794.1 | 1794.1 | 1797.2 | 1796.1 | 1802.2 | 1800.2 | 1799.2 | 1799.2 | 1799.2 | 1789.0 | 1770.7 |
| 10° | 1887.6 | 1887.6 | 1890.7 | 1894.7 | 1895.8 | 1893.7 | 1893.7 | 1894.7 | 1899.8 | 1879.5 | 1851.0 |
| 12.5° | 1992.3 | 1997.4 | 1996.4 | 1996.4 | 2008.6 | 2005.5 | 2001.5 | 2005.5 | 2010.6 | 1982.2 | 1941.5 |
| 15° | 2109.2 | 2112.3 | 2114.3 | 2121.4 | 2119.4 | 2126.5 | 2128.5 | 2126.5 | 2131.6 | 2095.0 | 2026.9 |
| 17.5° | 2214.9 | 2221.0 | 2223.1 | 2231.2 | 2231.2 | 2232.2 | 2240.3 | 2237.3 | 2238.3 | 2196.6 | 2099.1 |
| 20° | 2302.4 | 2308.5 | 2311.5 | 2320.6 | 2322.7 | 2326.7 | 2329.8 | 2331.8 | 2336.9 | 2287.1 | 2158.0 |
| 22.5° | 2389.8 | 2394.9 | 2399.9 | 2406.0 | 2414.2 | 2419.2 | 2423.3 | 2425.3 | 2434.5 | 2376.6 | 2213.9 |
| 25° | 2487.4 | 2498.5 | 2503.6 | 2513.8 | 2521.9 | 2530.0 | 2536.1 | 2537.2 | 2552.4 | 2480.2 | 2259.7 |
| 27.5° | 2617.5 | 2632.7 | 2640.8 | 2657.1 | 2665.2 | 2673.4 | 2671.3 | 2683.5 | 2704.9 | 2599.2 | 2295.2 |
| 30° | 2788.2 | 2807.5 | 2812.6 | 2828.9 | 2842.1 | 2850.2 | 2859.4 | 2869.6 | 2883.8 | 2731.3 | 2312.5 |
| 32.5° | 3026.1 | 3055.6 | 3062.7 | 3071.8 | 3091.1 | 3105.4 | 3111.5 | 3127.7 | 3131.8 | 2856.3 | 2307.4 |
| 35° | 3352.4 | 3339.2 | 3373.7 | 3381.9 | 3409.3 | 3420.5 | 3427.6 | 3449.0 | 3432.7 | 2992.5 | 2273.9 |
| 37.5° | 3647.2 | 3643.1 | 3676.6 | 3694.9 | 3730.5 | 3722.4 | 3739.7 | 3753.9 | 3696.0 | 3089.1 | 2211.9 |
| 40° | 4007.0 | 4001.9 | 4048.7 | 4054.8 | 4109.7 | 4097.5 | 4104.6 | 4115.8 | 3986.7 | 3156.2 | 2099.1 |
| 42.5° | 4509.2 | 4511.2 | 4561.0 | 4567.1 | 4574.2 | 4596.6 | 4560.0 | 4562.0 | 4295.7 | 3174.5 | 1913.0 |
| 45° | 5170.9 | 5206.5 | 5176.0 | 5177.0 | 5175.0 | 5132.3 | 5086.5 | 5032.6 | 4616.9 | 3111.5 | 1673.1 |
| 47.5° | 5812.3 | 5787.9 | 5749.3 | 5713.7 | 5684.2 | 5617.1 | 5550.0 | 5458.6 | 4894.4 | 2962.1 | 1405.8 |
| 50° | 6361.2 | 6306.3 | 6271.7 | 6173.1 | 6103.0 | 6015.6 | 5922.1 | 5817.4 | 5122.1 | 2746.6 | 1155.7 |
| 52.5° | 6871.5 | 6814.6 | 6685.5 | 6582.8 | 6482.2 | 6366.3 | 6257.5 | 6134.5 | 5323.4 | 2500.6 | 964.6 |
| 55° | 7719.2 | 7669.4 | 7540.3 | 7352.3 | 7228.3 | 7068.7 | 6925.4 | 6758.6 | 5731.0 | 2301.3 | 838.6 |
| 57.5° | 9692.2 | 9649.5 | 9378.1 | 9259.2 | 9095.6 | 8695.1 | 8636.1 | 8375.9 | 6823.7 | 2278.0 | 764.4 |
| 60° | 12470.3 | 12287.3 | 12061.7 | 11736.4 | 11353.2 | 11221.0 | 10926.3 | 10579.6 | 8582.2 | 2342.0 | 704.4 |
| 62.5° | 14176.0 | 13759.2 | 13427.8 | 13052.8 | 12700.0 | 12397.1 | 12074.9 | 11732.3 | 9481.8 | 2257.6 | 630.2 |
| 65° | 14304.1 | 13814.1 | 13376.0 | 12935.9 | 12539.4 | 12162.3 | 11849.2 | 11506.7 | 9189.1 | 1940.5 | 533.7 |
| 67.5° | 13598.6 | 13082.2 | 12604.5 | 12105.4 | 11704.9 | 11364.4 | 10965.9 | 10636.6 | 8363.7 | 1510.5 | 444.2 |
| 70° | 12144.0 | 11690.7 | 11279.0 | 10741.3 | 10408.9 | 9994.1 | 9741.0 | 9329.4 | 7290.3 | 1029.7 | 367.0 |
| 72.5° | 8746.9 | 8405.4 | 8271.2 | 7896.1 | 7461.0 | 7217.1 | 7100.2 | 6700.7 | 5387.4 | 639.4 | 299.9 |
| 75° | 2954.9 | 3039.3 | 2846.2 | 2550.4 | 2694.7 | 2472.1 | 2562.6 | 2372.5 | 2279.0 | 367.0 | 252.1 |
| 77.5° | 655.6 | 616.0 | 569.2 | 528.6 | 525.5 | 494.0 | 523.5 | 495.0 | 529.6 | 233.8 | 222.6 |
| 80° | 517.4 | 408.6 | 347.6 | 317.1 | 300.9 | 291.7 | 284.6 | 276.5 | 252.1 | 199.2 | 205.3 |
| 82.5° | 559.1 | 421.8 | 309.0 | 247.0 | 211.4 | 198.2 | 195.2 | 187.0 | 185.0 | 193.1 | 207.4 |
| 85° | 178.9 | 149.4 | 127.1 | 119.9 | 110.8 | 105.7 | 103.7 | 100.6 | 122.0 | 210.4 | 199.2 |
| 87.5° | 93.5 | 82.3 | 73.2 | 70.1 | 61.0 | 56.9 | 55.9 | 56.9 | 85.4 | 210.4 | 144.3 |
| 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: P158246

CATALOG NUMBER: VST-F06-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 | 1673.1 |
| 2.5° | 1674.2 | 1673.1 | 1671.1 | 1670.1 | 1669.1 | 1664.0 | 1668.1 |
| 5° | 1705.7 | 1695.5 | 1686.4 | 1675.2 | 1669.1 | 1664.0 | 1664.0 |
| 7.5° | 1753.4 | 1725.0 | 1701.6 | 1676.2 | 1658.9 | 1645.7 | 1643.7 |
| 10° | 1813.4 | 1758.5 | 1704.7 | 1658.9 | 1626.4 | 1602.0 | 1598.9 |
| 12.5° | 1870.3 | 1787.0 | 1701.6 | 1626.4 | 1575.6 | 1541.0 | 1539.0 |
| 15° | 1923.2 | 1802.2 | 1678.2 | 1567.4 | 1491.2 | 1445.4 | 1440.4 |
| 17.5° | 1964.9 | 1793.1 | 1625.4 | 1485.1 | 1381.4 | 1327.5 | 1324.5 |
| 20° | 1974.0 | 1756.5 | 1550.1 | 1383.4 | 1273.7 | 1216.7 | 1203.5 |
| 22.5° | 1965.9 | 1690.4 | 1456.6 | 1271.6 | 1145.6 | 1088.7 | 1081.5 |
| 25° | 1941.5 | 1610.1 | 1340.8 | 1141.5 | 1024.6 | 966.7 | 952.5 |
| 27.5° | 1897.8 | 1515.6 | 1215.7 | 1015.5 | 899.6 | 843.7 | 829.5 |
| 30° | 1832.7 | 1401.7 | 1082.6 | 897.6 | 777.6 | 732.9 | 718.7 |
| 32.5° | 1742.3 | 1263.5 | 951.4 | 776.6 | 677.0 | 641.4 | 635.3 |
| 35° | 1617.2 | 1104.9 | 814.2 | 677.0 | 603.8 | 582.4 | 579.4 |
| 37.5° | 1457.6 | 946.4 | 699.3 | 605.8 | 553.0 | 539.8 | 537.7 |
| 40° | 1249.3 | 783.7 | 618.0 | 555.0 | 516.4 | 505.2 | 503.2 |
| 42.5° | 1034.8 | 661.7 | 558.1 | 514.3 | 482.8 | 472.7 | 469.6 |
| 45° | 846.7 | 579.4 | 513.3 | 480.8 | 451.3 | 440.1 | 439.1 |
| 47.5° | 706.5 | 531.6 | 476.7 | 450.3 | 420.8 | 407.6 | 408.6 |
| 50° | 603.8 | 487.9 | 446.2 | 423.9 | 390.3 | 378.1 | 379.2 |
| 52.5° | 533.7 | 444.2 | 417.8 | 392.4 | 363.9 | 351.7 | 351.7 |
| 55° | 478.8 | 408.6 | 390.3 | 362.9 | 340.5 | 329.3 | 328.3 |
| 57.5° | 434.0 | 380.2 | 363.9 | 341.5 | 319.2 | 306.0 | 306.0 |
| 60° | 406.6 | 359.8 | 346.6 | 326.3 | 299.9 | 285.6 | 284.6 |
| 62.5° | 390.3 | 353.7 | 342.6 | 314.1 | 284.6 | 270.4 | 267.3 |
| 65° | 378.1 | 368.0 | 353.7 | 307.0 | 272.4 | 257.2 | 254.1 |
| 67.5° | 379.2 | 401.5 | 381.2 | 311.0 | 268.4 | 246.0 | 241.9 |
| 70° | 385.2 | 427.9 | 400.5 | 320.2 | 285.6 | 240.9 | 231.8 |
| 72.5° | 354.8 | 387.3 | 360.9 | 304.9 | 278.5 | 231.8 | 220.6 |
| 75° | 295.8 | 282.6 | 259.2 | 248.0 | 250.1 | 210.4 | 206.3 |
| 77.5° | 239.9 | 210.4 | 188.1 | 197.2 | 210.4 | 179.9 | 175.9 |
| 80° | 208.4 | 170.8 | 159.6 | 174.8 | 191.1 | 153.5 | 143.3 |
| 82.5° | 195.2 | 144.3 | 137.2 | 182.0 | 200.2 | 132.1 | 115.9 |
| 85° | 171.8 | 117.9 | 107.7 | 214.5 | 200.2 | 99.6 | 92.5 |
| 87.5° | 114.9 | 70.1 | 67.1 | 157.6 | 137.2 | 69.1 | 55.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)