

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: P157826

Luminaire Tested: **VST-F08-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157826  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33710)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VST-F08-LED-E-U-5XQ-7050  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (56) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21431.7 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B5 - U1 - G4

Input Watts (W): 204.4  
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

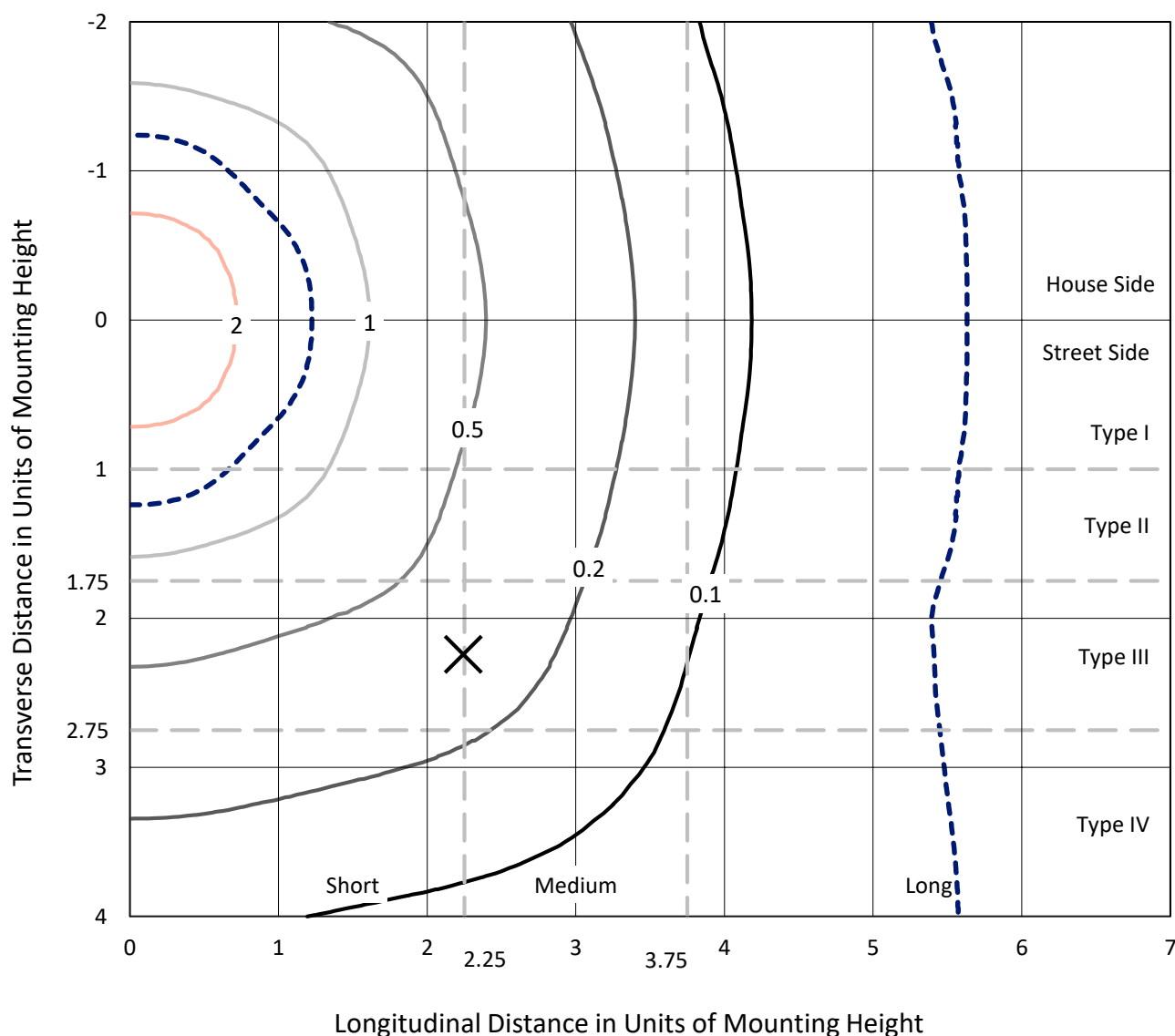


REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

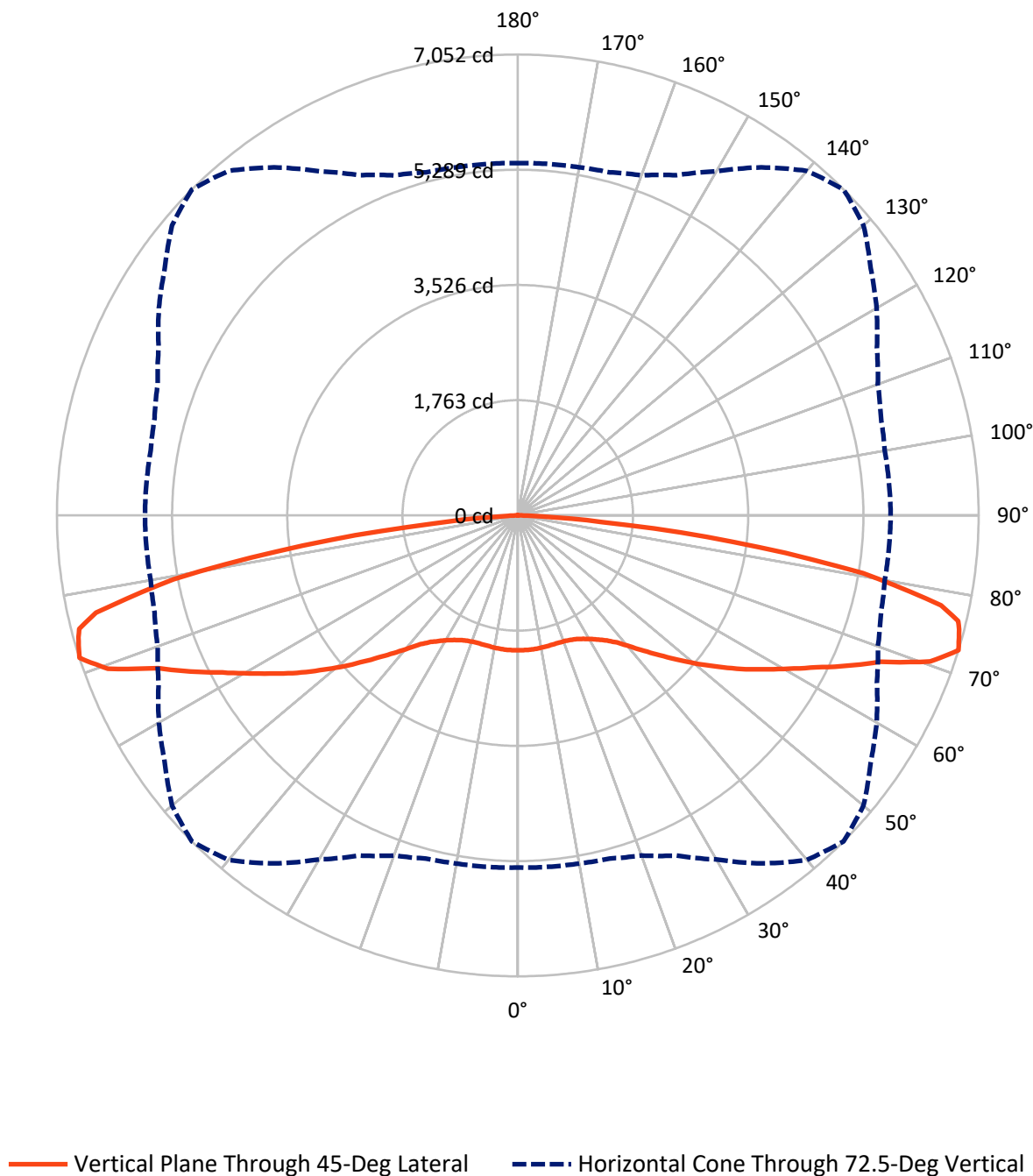


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

## Luminous Intensity Polar Plot



REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

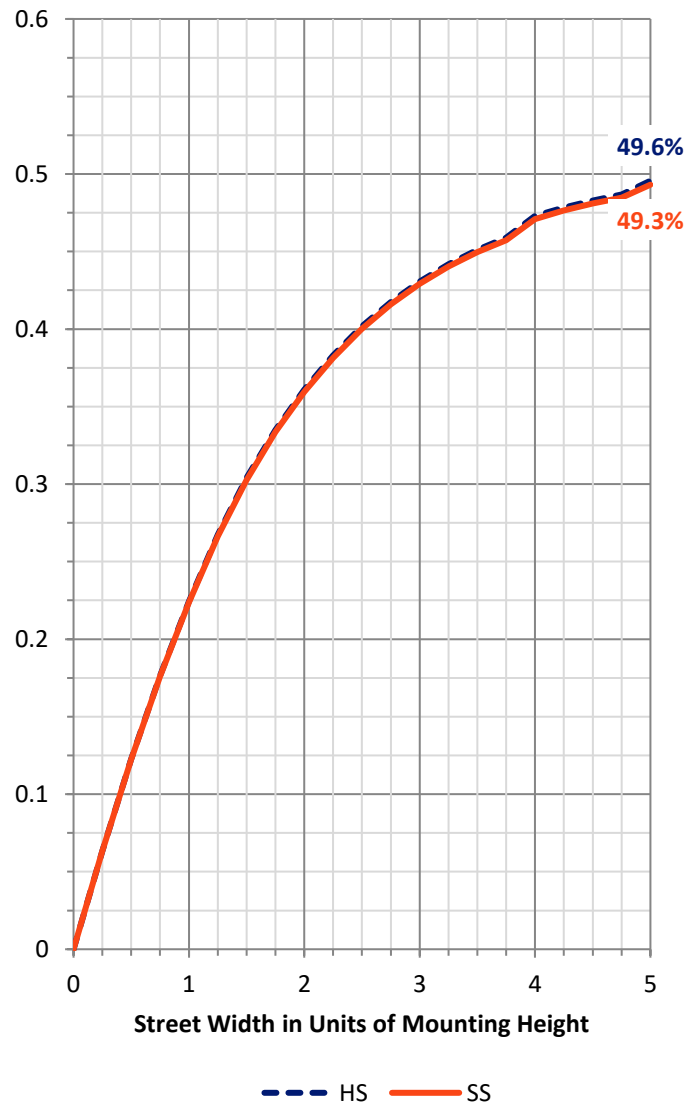
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10710.6  | 5.3    | 10715.8 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10710.6  | 5.3    | 10715.8 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21421.1  | 10.6   | 21431.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 196.8   | 0.9       |
| 10°-20°   | 581.3   | 2.7       |
| 20°-30°   | 972.0   | 4.5       |
| 30°-40°   | 1477.4  | 6.9       |
| 40°-50°   | 2340.0  | 10.9      |
| 50°-60°   | 3579.4  | 16.7      |
| 60°-70°   | 5122.7  | 23.9      |
| 70°-80°   | 5861.5  | 27.3      |
| 80°-90°   | 1290.1  | 6.0       |
| 90°-100°  | 1.1     | 0.0       |
| 100°-110° | 2.2     | 0.0       |
| 110°-120° | 1.6     | 0.0       |
| 120°-130° | 1.7     | 0.0       |
| 130°-140° | 1.6     | 0.0       |
| 140°-150° | 1.2     | 0.0       |
| 150°-160° | 0.8     | 0.0       |
| 160°-170° | 0.3     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 21421.1 | 100.0     |
| 0°-180°   | 21431.7 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P157826

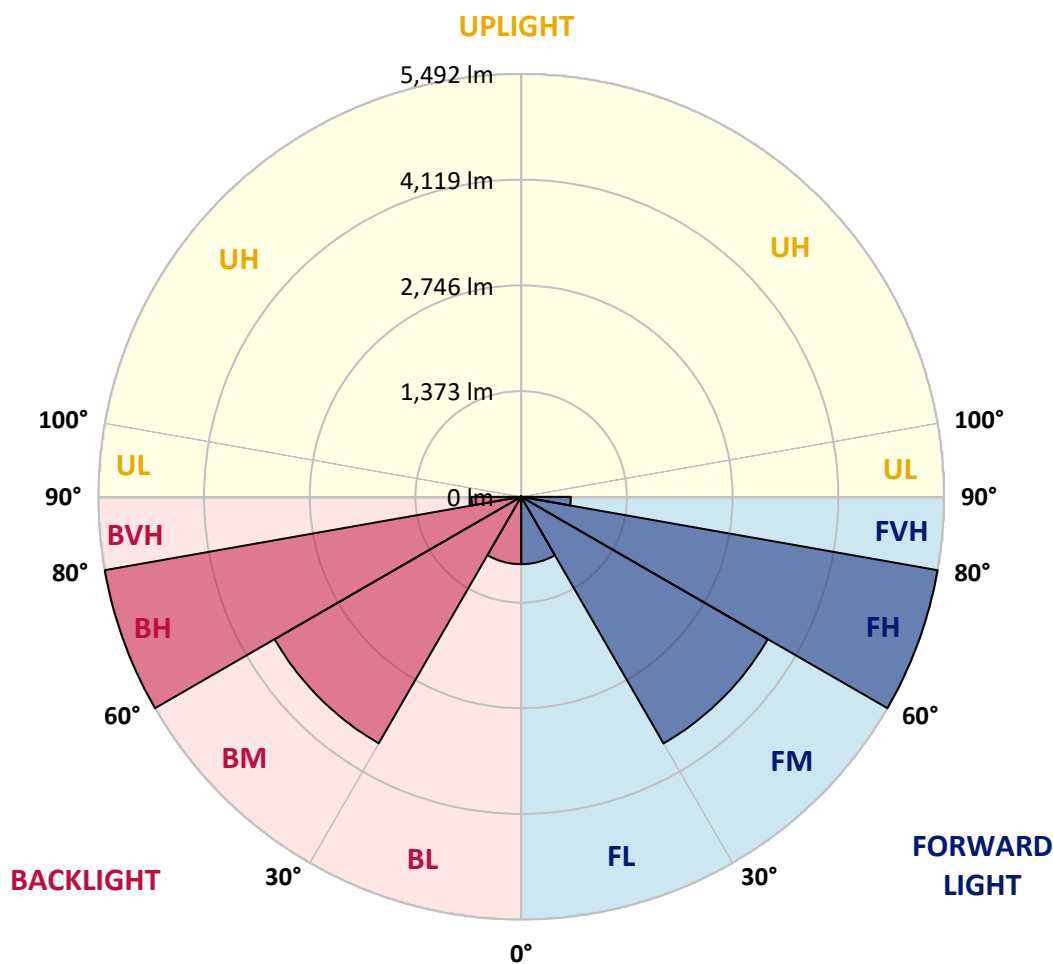
CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 875.1  | 4.1       |                         |       |         |
| FM   | (30°-60°)   | 3698.4 | 17.3      |                         |       |         |
| FH   | (60°-80°)   | 5492.1 | 25.6      |                         |       | G3/7500 |
| FVH  | (80°-90°)   | 645.0  | 3.0       |                         |       | G4/750  |
| BL   | (0°-30°)    | 875.1  | 4.1       | B2/1000                 |       |         |
| BM   | (30°-60°)   | 3698.4 | 17.3      | B3/5000                 |       |         |
| BH   | (60°-80°)   | 5492.1 | 25.6      | B5                      |       | G3/7500 |
| BVH  | (80°-90°)   | 645.0  | 3.0       |                         |       | G4/750  |
| UL   | (90°-100°)  | 1.1    | 0.0       |                         | U1/10 |         |
| UH   | (100°-180°) | 5.3    | 0.0       |                         | U1/10 |         |

**BUG Rating: B5-U1-G4**

Type V Short





REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 |
| 2.5°   | 2064.2 | 2061.4 | 2062.8 | 2065.5 | 2064.2 | 2064.2 | 2062.8 | 2062.8 | 2065.5 | 2062.8 | 2064.2 |
| 5°     | 2065.5 | 2062.8 | 2064.2 | 2065.5 | 2064.2 | 2065.5 | 2064.2 | 2064.2 | 2064.2 | 2062.8 | 2065.5 |
| 7.5°   | 2060.1 | 2060.1 | 2061.4 | 2061.4 | 2060.1 | 2061.4 | 2061.4 | 2061.4 | 2060.1 | 2060.1 | 2062.8 |
| 10°    | 2057.4 | 2056.0 | 2056.0 | 2057.4 | 2056.0 | 2056.0 | 2057.4 | 2057.4 | 2054.7 | 2054.7 | 2057.4 |
| 12.5°  | 2053.3 | 2052.0 | 2052.0 | 2052.0 | 2050.6 | 2050.6 | 2052.0 | 2052.0 | 2050.6 | 2049.2 | 2053.3 |
| 15°    | 2050.6 | 2049.2 | 2049.2 | 2049.2 | 2046.5 | 2047.9 | 2047.9 | 2047.9 | 2046.5 | 2045.2 | 2049.2 |
| 17.5°  | 2049.2 | 2047.9 | 2047.9 | 2047.9 | 2046.5 | 2046.5 | 2046.5 | 2046.5 | 2045.2 | 2045.2 | 2047.9 |
| 20°    | 2052.0 | 2052.0 | 2052.0 | 2052.0 | 2050.6 | 2050.6 | 2050.6 | 2052.0 | 2052.0 | 2052.0 | 2054.7 |
| 22.5°  | 2058.7 | 2058.7 | 2060.1 | 2061.4 | 2061.4 | 2064.2 | 2065.5 | 2066.9 | 2066.9 | 2068.2 | 2070.9 |
| 25°    | 2076.4 | 2076.4 | 2077.7 | 2079.1 | 2083.1 | 2085.8 | 2091.3 | 2094.0 | 2095.3 | 2095.3 | 2096.7 |
| 27.5°  | 2108.9 | 2110.2 | 2112.9 | 2115.7 | 2121.1 | 2125.1 | 2130.6 | 2136.0 | 2137.3 | 2138.7 | 2140.1 |
| 30°    | 2149.5 | 2150.9 | 2156.3 | 2159.0 | 2165.8 | 2173.9 | 2180.7 | 2186.1 | 2190.2 | 2192.9 | 2191.6 |
| 32.5°  | 2207.8 | 2210.5 | 2217.3 | 2221.4 | 2230.9 | 2239.0 | 2248.5 | 2256.6 | 2260.7 | 2264.7 | 2263.4 |
| 35°    | 2289.1 | 2295.9 | 2302.7 | 2306.8 | 2316.2 | 2323.0 | 2335.2 | 2343.3 | 2351.5 | 2348.8 | 2350.1 |
| 37.5°  | 2409.8 | 2415.2 | 2416.5 | 2419.2 | 2428.7 | 2434.2 | 2447.7 | 2458.6 | 2462.6 | 2465.3 | 2466.7 |
| 40°    | 2572.4 | 2572.4 | 2579.2 | 2573.8 | 2586.0 | 2587.3 | 2603.6 | 2618.5 | 2622.5 | 2633.4 | 2625.3 |
| 42.5°  | 2762.1 | 2760.8 | 2764.9 | 2760.8 | 2760.8 | 2774.3 | 2787.9 | 2815.0 | 2817.7 | 2831.3 | 2823.1 |
| 45°    | 2968.2 | 2968.2 | 2964.1 | 2965.4 | 2968.2 | 2983.1 | 2999.3 | 3029.1 | 3042.7 | 3050.8 | 3045.4 |
| 47.5°  | 3191.8 | 3186.4 | 3185.0 | 3183.6 | 3191.8 | 3208.0 | 3232.4 | 3260.9 | 3294.8 | 3297.5 | 3294.8 |
| 50°    | 3418.1 | 3416.8 | 3407.3 | 3415.4 | 3420.8 | 3429.0 | 3475.0 | 3513.0 | 3548.2 | 3569.9 | 3563.1 |
| 52.5°  | 3656.7 | 3644.5 | 3644.5 | 3644.5 | 3658.0 | 3683.8 | 3724.4 | 3775.9 | 3823.4 | 3846.4 | 3842.3 |
| 55°    | 3897.9 | 3893.8 | 3881.6 | 3876.2 | 3893.8 | 3930.4 | 3988.7 | 4051.1 | 4113.4 | 4148.6 | 4135.1 |
| 57.5°  | 4118.8 | 4112.0 | 4113.4 | 4114.8 | 4135.1 | 4183.9 | 4251.6 | 4334.3 | 4402.1 | 4440.0 | 4430.5 |
| 60°    | 4292.3 | 4284.2 | 4299.1 | 4303.1 | 4339.7 | 4421.1 | 4529.5 | 4633.8 | 4723.3 | 4761.2 | 4746.3 |
| 62.5°  | 4488.8 | 4483.4 | 4492.9 | 4491.5 | 4530.8 | 4621.6 | 4766.7 | 4933.4 | 5068.9 | 5117.7 | 5096.0 |
| 65°    | 4806.0 | 4789.7 | 4785.6 | 4770.7 | 4796.5 | 4867.0 | 5012.0 | 5205.8 | 5422.6 | 5547.3 | 5517.5 |
| 67.5°  | 5185.5 | 5181.4 | 5167.8 | 5159.7 | 5169.2 | 5257.3 | 5396.9 | 5583.9 | 5804.8 | 5977.0 | 6014.9 |
| 70°    | 5436.2 | 5441.6 | 5455.2 | 5475.5 | 5554.1 | 5724.9 | 5979.7 | 6262.9 | 6566.5 | 6695.3 | 6672.2 |
| 72.5°  | 5388.8 | 5396.9 | 5407.7 | 5433.5 | 5536.5 | 5741.1 | 6077.3 | 6500.1 | 6881.0 | 7051.7 | 6905.4 |
| 75°    | 5157.0 | 5163.8 | 5188.2 | 5227.5 | 5353.5 | 5601.5 | 5963.4 | 6412.0 | 6805.1 | 6975.8 | 6822.7 |
| 76°    | 4942.9 | 4964.5 | 5009.3 | 5055.3 | 5207.1 | 5476.9 | 5863.1 | 6341.5 | 6757.6 | 6931.1 | 6783.4 |
| 77.5°  | 4457.7 | 4476.6 | 4513.2 | 4593.2 | 4765.3 | 5110.9 | 5562.2 | 6032.5 | 6466.2 | 6622.1 | 6497.4 |
| 80°    | 3354.4 | 3370.7 | 3404.6 | 3500.8 | 3649.9 | 3864.0 | 4213.7 | 4673.1 | 5148.9 | 5353.5 | 5272.2 |
| 82.5°  | 1416.3 | 1435.3 | 1569.5 | 1709.1 | 1873.1 | 2104.8 | 2332.5 | 2739.1 | 3088.8 | 3321.9 | 3197.2 |
| 85°    | 155.9  | 192.5  | 237.2  | 322.6  | 395.8  | 527.2  | 656.0  | 902.6  | 1141.2 | 1286.2 | 1137.1 |
| 87.5°  | 27.1   | 31.2   | 44.7   | 56.9   | 63.7   | 73.2   | 88.1   | 123.3  | 168.1  | 145.0  | 147.7  |
| 90°    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 2.7    | 2.7    | 2.7    | 2.7    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 100°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 2.7    | 2.7    |
| 102.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 105°   | 1.4    | 1.4    | 1.4    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 107.5° | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 2.7    | 1.4    | 1.4    | 1.4    | 2.7    | 1.4    |



REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 112.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 115°   | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 117.5° | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 120°   | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 122.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 125°   | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 127.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 130°   | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 132.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 135°   | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 137.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 140°   | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 142.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 145°   | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1.4 |
| 147.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 150°   | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 152.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 |
| 155°   | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1.4 |
| 157.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 160°   | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 162.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 165°   | 2.7 | 2.7 | 2.7 | 2.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 | 2062.8 |
| 2.5°   | 2062.8 | 2062.8 | 2065.5 | 2064.2 | 2064.2 | 2065.5 | 2068.2 | 2066.9 |
| 5°     | 2064.2 | 2065.5 | 2062.8 | 2064.2 | 2065.5 | 2065.5 | 2066.9 | 2065.5 |
| 7.5°   | 2061.4 | 2061.4 | 2061.4 | 2062.8 | 2064.2 | 2062.8 | 2064.2 | 2064.2 |
| 10°    | 2056.0 | 2057.4 | 2056.0 | 2058.7 | 2060.1 | 2060.1 | 2061.4 | 2061.4 |
| 12.5°  | 2052.0 | 2052.0 | 2052.0 | 2054.7 | 2056.0 | 2056.0 | 2057.4 | 2056.0 |
| 15°    | 2047.9 | 2047.9 | 2046.5 | 2049.2 | 2052.0 | 2052.0 | 2053.3 | 2053.3 |
| 17.5°  | 2046.5 | 2046.5 | 2045.2 | 2047.9 | 2050.6 | 2050.6 | 2052.0 | 2052.0 |
| 20°    | 2050.6 | 2052.0 | 2049.2 | 2052.0 | 2054.7 | 2056.0 | 2056.0 | 2056.0 |
| 22.5°  | 2066.9 | 2065.5 | 2061.4 | 2062.8 | 2064.2 | 2064.2 | 2064.2 | 2064.2 |
| 25°    | 2091.3 | 2088.5 | 2084.5 | 2083.1 | 2081.8 | 2080.4 | 2080.4 | 2080.4 |
| 27.5°  | 2133.3 | 2129.2 | 2122.4 | 2121.1 | 2119.7 | 2117.0 | 2117.0 | 2117.0 |
| 30°    | 2183.4 | 2178.0 | 2169.9 | 2167.2 | 2163.1 | 2160.4 | 2159.0 | 2157.7 |
| 32.5°  | 2255.3 | 2244.4 | 2234.9 | 2228.1 | 2224.1 | 2215.9 | 2214.6 | 2211.9 |
| 35°    | 2337.9 | 2329.8 | 2316.2 | 2312.2 | 2305.4 | 2301.3 | 2300.0 | 2293.2 |
| 37.5°  | 2451.8 | 2442.3 | 2430.1 | 2427.4 | 2426.0 | 2422.0 | 2422.0 | 2420.6 |
| 40°    | 2610.3 | 2600.9 | 2590.0 | 2579.2 | 2581.9 | 2583.2 | 2583.2 | 2577.8 |
| 42.5°  | 2804.2 | 2789.3 | 2767.6 | 2774.3 | 2770.3 | 2764.9 | 2775.7 | 2768.9 |
| 45°    | 3025.1 | 3004.7 | 2988.5 | 2981.7 | 2981.7 | 2974.9 | 2985.8 | 2985.8 |
| 47.5°  | 3270.4 | 3237.9 | 3208.0 | 3209.4 | 3198.6 | 3201.3 | 3208.0 | 3217.5 |
| 50°    | 3529.3 | 3485.9 | 3457.4 | 3443.9 | 3433.0 | 3437.1 | 3449.3 | 3452.0 |
| 52.5°  | 3797.6 | 3744.8 | 3706.8 | 3686.5 | 3672.9 | 3678.3 | 3687.8 | 3696.0 |
| 55°    | 4076.8 | 4018.5 | 3961.6 | 3939.9 | 3923.7 | 3934.5 | 3935.9 | 3946.7 |
| 57.5°  | 4368.2 | 4288.2 | 4221.8 | 4189.3 | 4173.0 | 4183.9 | 4192.0 | 4202.9 |
| 60°    | 4662.3 | 4570.1 | 4491.5 | 4453.6 | 4430.5 | 4445.5 | 4464.4 | 4469.8 |
| 62.5°  | 5003.8 | 4876.4 | 4788.3 | 4734.1 | 4723.3 | 4738.2 | 4743.6 | 4759.9 |
| 65°    | 5407.7 | 5254.6 | 5132.6 | 5066.2 | 5063.5 | 5071.6 | 5083.8 | 5087.9 |
| 67.5°  | 5868.5 | 5697.8 | 5533.8 | 5467.4 | 5441.6 | 5466.0 | 5478.2 | 5494.5 |
| 70°    | 6519.1 | 6284.6 | 6047.4 | 5899.7 | 5837.4 | 5818.4 | 5823.8 | 5841.4 |
| 72.5°  | 6592.3 | 6340.2 | 6063.7 | 5863.1 | 5753.3 | 5703.2 | 5701.8 | 5704.5 |
| 75°    | 6432.4 | 6029.8 | 5834.7 | 5604.3 | 5448.4 | 5367.1 | 5356.2 | 5354.9 |
| 76°    | 6352.4 | 5876.7 | 5594.8 | 5411.8 | 5224.8 | 5142.1 | 5129.9 | 5123.1 |
| 77.5°  | 6014.9 | 5504.0 | 5079.7 | 4968.6 | 4789.7 | 4685.3 | 4707.0 | 4689.4 |
| 80°    | 4822.2 | 4315.3 | 3915.5 | 3602.4 | 3611.9 | 3536.0 | 3504.9 | 3495.4 |
| 82.5°  | 2842.1 | 2426.0 | 1984.2 | 1725.3 | 1478.7 | 1413.6 | 1217.1 | 1172.4 |
| 85°    | 908.1  | 643.8  | 390.3  | 283.3  | 192.5  | 161.3  | 126.0  | 115.2  |
| 87.5°  | 120.6  | 94.9   | 77.3   | 74.5   | 67.8   | 58.3   | 37.9   | 27.1   |
| 90°    | 1.4    | 1.4    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 1.4    | 1.4    | 1.4    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 100°   | 2.7    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 102.5° | 2.7    | 2.7    | 2.7    | 2.7    | 1.4    | 1.4    | 1.4    | 1.4    |
| 105°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 107.5° | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |



REPORT NUMBER: P157826

CATALOG NUMBER: VST-F08-LED-E-U-5XQ-7050

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 |
| 112.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 |
| 115°   | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 |
| 117.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 |
| 120°   | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 |
| 122.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 125°   | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 127.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 130°   | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 132.5° | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 135°   | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 137.5° | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 140°   | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 142.5° | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 145°   | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 147.5° | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 150°   | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 152.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 155°   | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 157.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 160°   | 1.4 | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 162.5° | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 165°   | 1.4 | 1.4 | 1.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)