

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: P157805

Luminaire Tested: **VST-F06-LED-E-U-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157805
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-F06-LED-E-U-5XQ
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15664.8 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U1 - 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

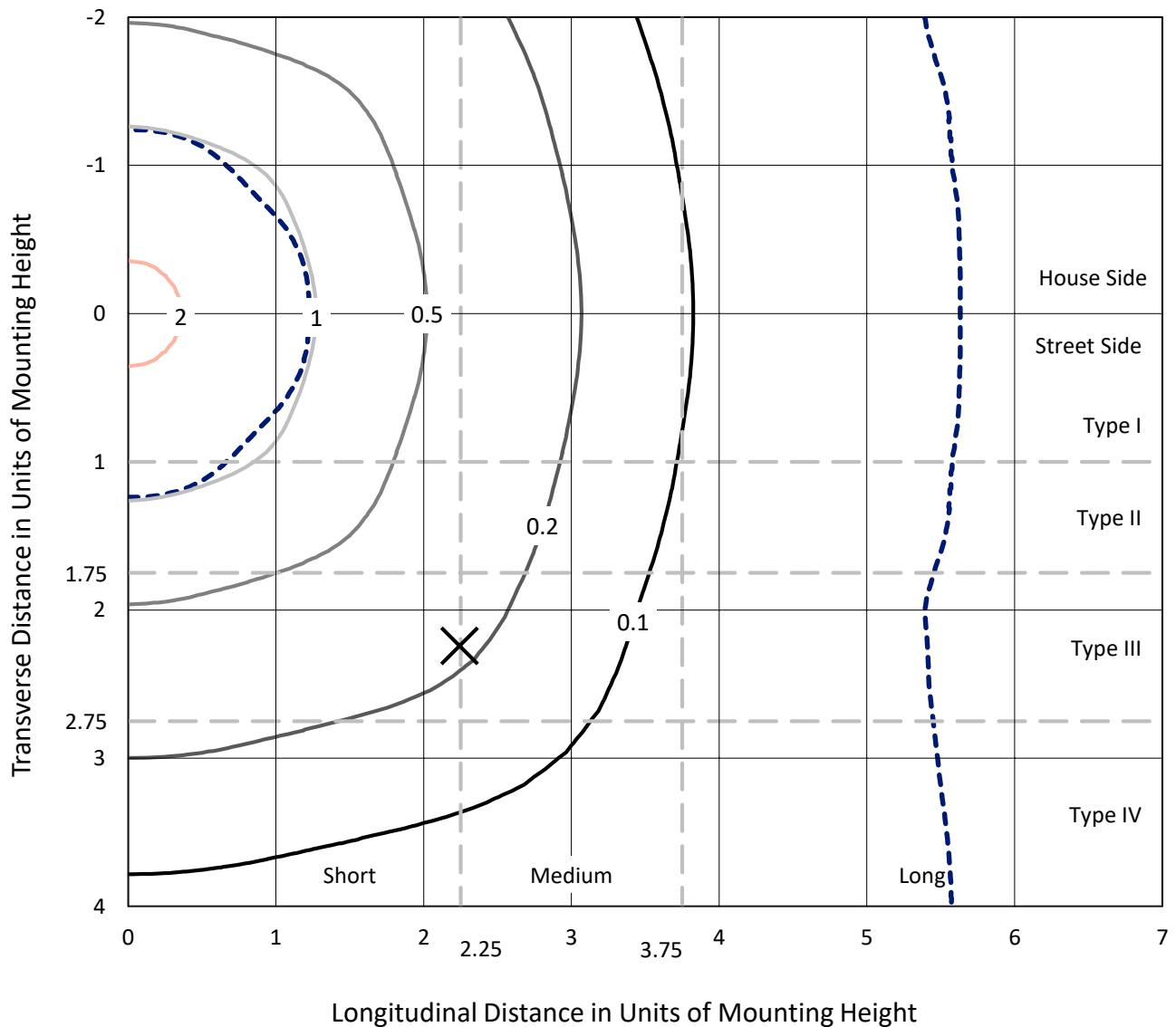


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

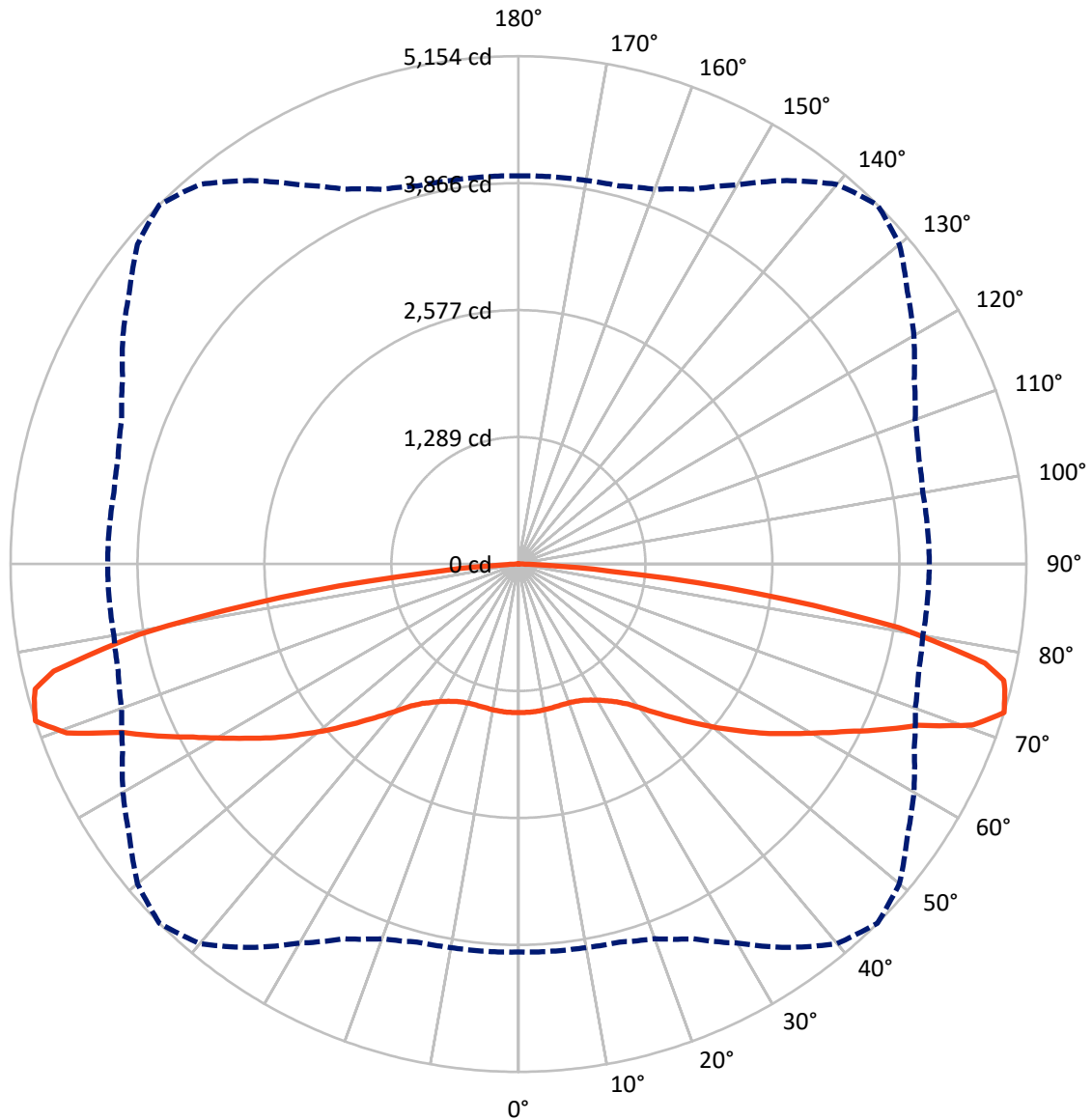


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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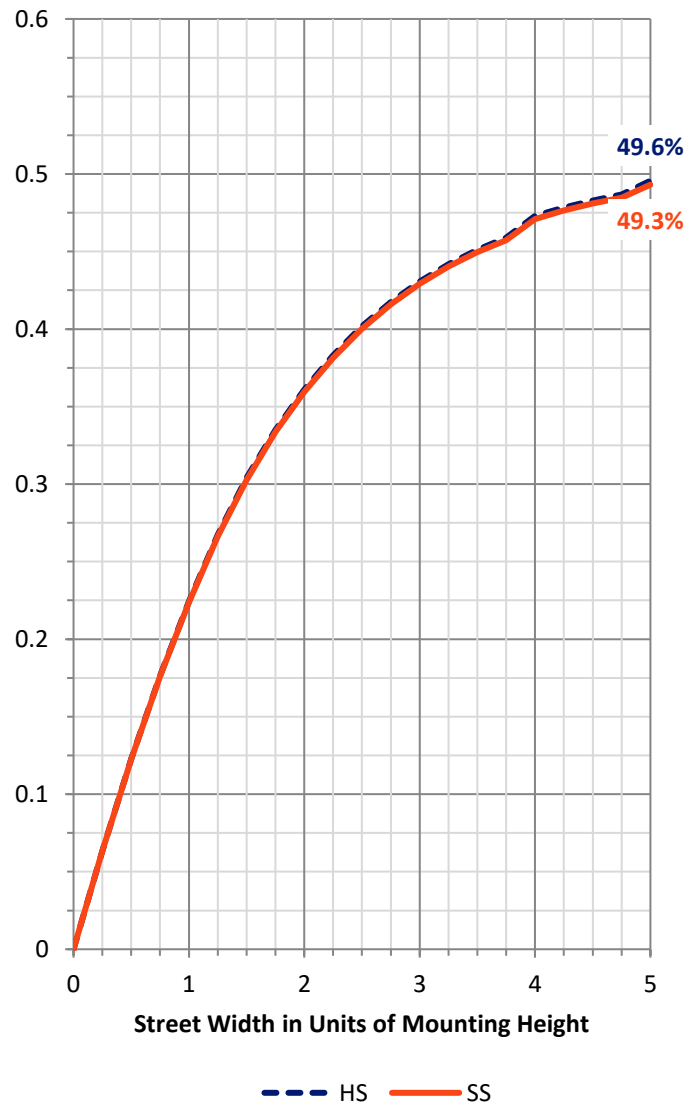
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7828.6 | 3.9 | 7832.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7828.6 | 3.9 | 7832.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 15657.1 | 7.7 | 15664.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 143.9 | 0.9 |
| 10°-20° | 424.9 | 2.7 |
| 20°-30° | 710.5 | 4.5 |
| 30°-40° | 1079.9 | 6.9 |
| 40°-50° | 1710.3 | 10.9 |
| 50°-60° | 2616.2 | 16.7 |
| 60°-70° | 3744.3 | 23.9 |
| 70°-80° | 4284.3 | 27.3 |
| 80°-90° | 942.9 | 6.0 |
| 90°-100° | 0.8 | 0.0 |
| 100°-110° | 1.6 | 0.0 |
| 110°-120° | 1.1 | 0.0 |
| 120°-130° | 1.2 | 0.0 |
| 130°-140° | 1.2 | 0.0 |
| 140°-150° | 0.9 | 0.0 |
| 150°-160° | 0.6 | 0.0 |
| 160°-170° | 0.2 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 15657.1 | 100.0 |
| 0°-180° | 15664.8 | 100.0 |

Coefficient of Utilization



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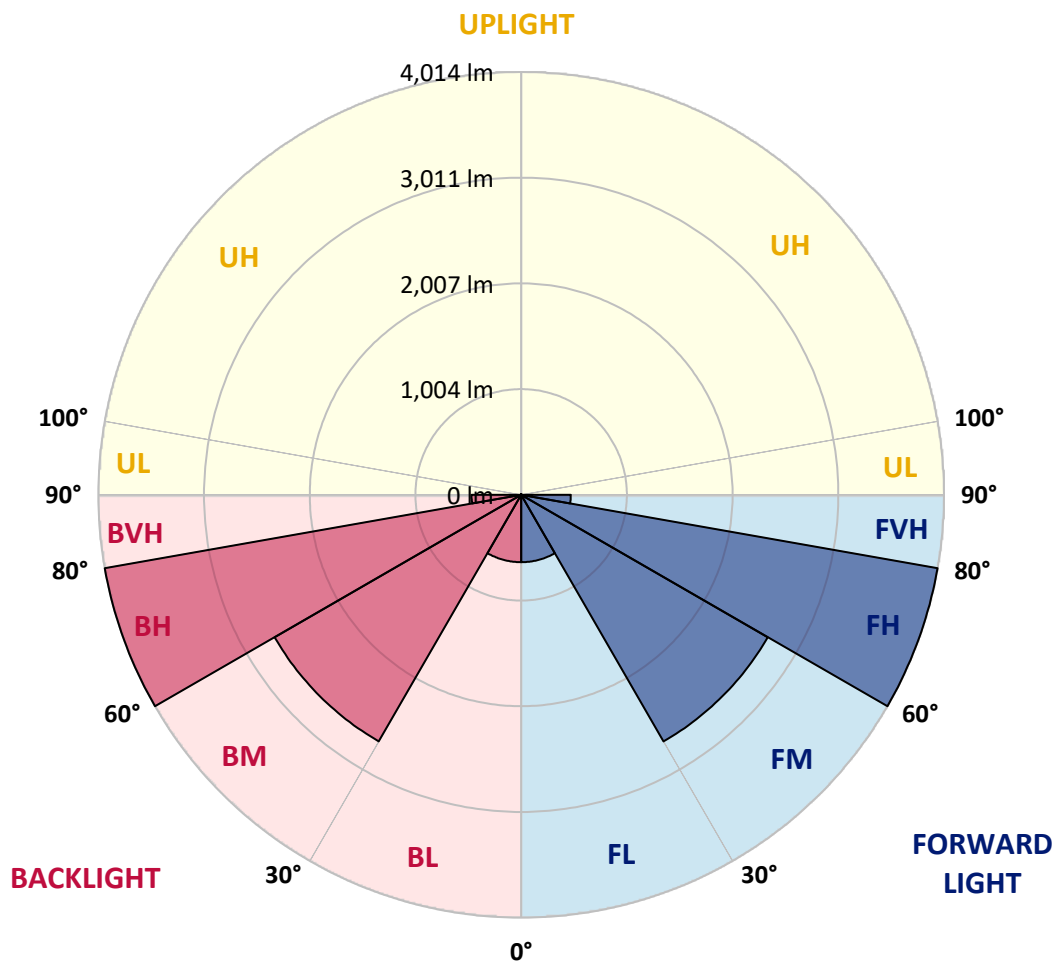
CATALOG NUMBER: VST-F06-LED-E-U-5XQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 639.6 | 4.1 | | | |
| FM | (30°-60°) | 2703.2 | 17.3 | | | |
| FH | (60°-80°) | 4014.3 | 25.6 | | | G2/5000 |
| FVH | (80°-90°) | 471.5 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 639.6 | 4.1 | B2/1000 | | |
| BM | (30°-60°) | 2703.2 | 17.3 | B3/5000 | | |
| BH | (60°-80°) | 4014.3 | 25.6 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 471.5 | 3.0 | | | G3/500 |
| UL | (90°-100°) | 0.8 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 3.9 | 0.0 | | U1/10 | |

BUG Rating: B4-U1-G3

Type V Short





REPORT NUMBER: P157805

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 |
| 2.5° | 1508.7 | 1506.7 | 1507.7 | 1509.7 | 1508.7 | 1508.7 | 1507.7 | 1507.7 | 1509.7 | 1507.7 | 1508.7 |
| 5° | 1509.7 | 1507.7 | 1508.7 | 1509.7 | 1508.7 | 1509.7 | 1508.7 | 1508.7 | 1508.7 | 1507.7 | 1509.7 |
| 7.5° | 1505.8 | 1505.8 | 1506.7 | 1506.7 | 1505.8 | 1506.7 | 1506.7 | 1506.7 | 1505.8 | 1505.8 | 1507.7 |
| 10° | 1503.8 | 1502.8 | 1502.8 | 1503.8 | 1502.8 | 1502.8 | 1503.8 | 1503.8 | 1501.8 | 1501.8 | 1503.8 |
| 12.5° | 1500.8 | 1499.8 | 1499.8 | 1499.8 | 1498.8 | 1498.8 | 1499.8 | 1499.8 | 1498.8 | 1497.8 | 1500.8 |
| 15° | 1498.8 | 1497.8 | 1497.8 | 1497.8 | 1495.9 | 1496.8 | 1496.8 | 1496.8 | 1495.9 | 1494.9 | 1497.8 |
| 17.5° | 1497.8 | 1496.8 | 1496.8 | 1496.8 | 1495.9 | 1495.9 | 1495.9 | 1495.9 | 1494.9 | 1494.9 | 1496.8 |
| 20° | 1499.8 | 1499.8 | 1499.8 | 1499.8 | 1498.8 | 1498.8 | 1498.8 | 1499.8 | 1499.8 | 1499.8 | 1501.8 |
| 22.5° | 1504.8 | 1504.8 | 1505.8 | 1506.7 | 1506.7 | 1508.7 | 1509.7 | 1510.7 | 1510.7 | 1511.7 | 1513.7 |
| 25° | 1517.6 | 1517.6 | 1518.6 | 1519.6 | 1522.6 | 1524.6 | 1528.5 | 1530.5 | 1531.5 | 1531.5 | 1532.5 |
| 27.5° | 1541.4 | 1542.4 | 1544.4 | 1546.4 | 1550.3 | 1553.3 | 1557.3 | 1561.2 | 1562.2 | 1563.2 | 1564.2 |
| 30° | 1571.1 | 1572.1 | 1576.1 | 1578.1 | 1583.0 | 1589.0 | 1593.9 | 1597.9 | 1600.9 | 1602.8 | 1601.8 |
| 32.5° | 1613.7 | 1615.7 | 1620.7 | 1623.6 | 1630.6 | 1636.5 | 1643.5 | 1649.4 | 1652.4 | 1655.3 | 1654.4 |
| 35° | 1673.2 | 1678.1 | 1683.1 | 1686.1 | 1693.0 | 1697.9 | 1706.9 | 1712.8 | 1718.7 | 1716.8 | 1717.8 |
| 37.5° | 1761.3 | 1765.3 | 1766.3 | 1768.3 | 1775.2 | 1779.2 | 1789.1 | 1797.0 | 1800.0 | 1802.0 | 1802.9 |
| 40° | 1880.2 | 1880.2 | 1885.2 | 1881.2 | 1890.1 | 1891.1 | 1903.0 | 1913.9 | 1916.9 | 1924.8 | 1918.9 |
| 42.5° | 2018.9 | 2017.9 | 2020.9 | 2017.9 | 2017.9 | 2027.8 | 2037.7 | 2057.5 | 2059.5 | 2069.4 | 2063.5 |
| 45° | 2169.5 | 2169.5 | 2166.5 | 2167.5 | 2169.5 | 2180.4 | 2192.3 | 2214.1 | 2224.0 | 2229.9 | 2225.9 |
| 47.5° | 2332.9 | 2329.0 | 2328.0 | 2327.0 | 2332.9 | 2344.8 | 2362.7 | 2383.5 | 2408.2 | 2410.2 | 2408.2 |
| 50° | 2498.4 | 2497.4 | 2490.4 | 2496.4 | 2500.3 | 2506.3 | 2540.0 | 2567.7 | 2593.5 | 2609.3 | 2604.4 |
| 52.5° | 2672.7 | 2663.8 | 2663.8 | 2663.8 | 2673.7 | 2692.5 | 2722.3 | 2759.9 | 2794.6 | 2811.4 | 2808.4 |
| 55° | 2849.1 | 2846.1 | 2837.2 | 2833.2 | 2846.1 | 2872.8 | 2915.4 | 2961.0 | 3006.6 | 3032.3 | 3022.4 |
| 57.5° | 3010.5 | 3005.6 | 3006.6 | 3007.6 | 3022.4 | 3058.1 | 3107.6 | 3168.0 | 3217.6 | 3245.3 | 3238.4 |
| 60° | 3137.3 | 3131.4 | 3142.3 | 3145.2 | 3172.0 | 3231.4 | 3310.7 | 3387.0 | 3452.3 | 3480.1 | 3469.2 |
| 62.5° | 3281.0 | 3277.0 | 3283.9 | 3282.9 | 3311.7 | 3378.0 | 3484.0 | 3605.9 | 3705.0 | 3740.6 | 3724.8 |
| 65° | 3512.8 | 3500.9 | 3497.9 | 3487.0 | 3505.8 | 3557.4 | 3663.3 | 3805.0 | 3963.5 | 4054.6 | 4032.9 |
| 67.5° | 3790.2 | 3787.2 | 3777.3 | 3771.3 | 3778.3 | 3842.7 | 3944.7 | 4081.4 | 4242.9 | 4368.7 | 4396.4 |
| 70° | 3973.4 | 3977.4 | 3987.3 | 4002.1 | 4059.6 | 4184.4 | 4370.7 | 4577.7 | 4799.6 | 4893.7 | 4876.9 |
| 72.5° | 3938.7 | 3944.7 | 3952.6 | 3971.4 | 4046.7 | 4196.3 | 4442.0 | 4751.1 | 5029.4 | 5154.2 | 5047.3 |
| 75° | 3769.3 | 3774.3 | 3792.1 | 3820.9 | 3913.0 | 4094.3 | 4358.8 | 4686.7 | 4974.0 | 5098.8 | 4986.8 |
| 76° | 3612.8 | 3628.7 | 3661.4 | 3695.0 | 3806.0 | 4003.1 | 4285.5 | 4635.2 | 4939.3 | 5066.1 | 4958.1 |
| 77.5° | 3258.2 | 3272.1 | 3298.8 | 3357.2 | 3483.1 | 3735.7 | 4065.5 | 4409.3 | 4726.3 | 4840.2 | 4749.1 |
| 80° | 2451.8 | 2463.7 | 2488.5 | 2558.8 | 2667.8 | 2824.3 | 3079.9 | 3415.7 | 3763.4 | 3913.0 | 3853.6 |
| 82.5° | 1035.2 | 1049.1 | 1147.1 | 1249.2 | 1369.1 | 1538.4 | 1704.9 | 2002.1 | 2257.6 | 2428.0 | 2336.9 |
| 85° | 113.9 | 140.7 | 173.4 | 235.8 | 289.3 | 385.4 | 479.5 | 659.8 | 834.1 | 940.1 | 831.1 |
| 87.5° | 19.8 | 22.8 | 32.7 | 41.6 | 46.6 | 53.5 | 64.4 | 90.1 | 122.8 | 106.0 | 108.0 |
| 90° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 100° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| 102.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 105° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 107.5° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 |



REPORT NUMBER: P157805

CATALOG NUMBER: VST-F06-LED-E-U-5XQ

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 112.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 115° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 117.5° | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 120° | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 122.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 125° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 127.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 130° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 132.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 135° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 137.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 140° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 142.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 145° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 1.0 |
| 147.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 150° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 155° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 1.0 |
| 157.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 160° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 165° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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: P157805

CATALOG NUMBER: VST-F06-LED-E-U-5XQ

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 | 1507.7 |
| 2.5° | 1507.7 | 1507.7 | 1509.7 | 1508.7 | 1508.7 | 1509.7 | 1511.7 | 1510.7 |
| 5° | 1508.7 | 1509.7 | 1507.7 | 1508.7 | 1509.7 | 1509.7 | 1510.7 | 1509.7 |
| 7.5° | 1506.7 | 1506.7 | 1506.7 | 1507.7 | 1508.7 | 1507.7 | 1508.7 | 1508.7 |
| 10° | 1502.8 | 1503.8 | 1502.8 | 1504.8 | 1505.8 | 1505.8 | 1506.7 | 1506.7 |
| 12.5° | 1499.8 | 1499.8 | 1499.8 | 1501.8 | 1502.8 | 1502.8 | 1503.8 | 1502.8 |
| 15° | 1496.8 | 1496.8 | 1495.9 | 1497.8 | 1499.8 | 1499.8 | 1500.8 | 1500.8 |
| 17.5° | 1495.9 | 1495.9 | 1494.9 | 1496.8 | 1498.8 | 1498.8 | 1499.8 | 1499.8 |
| 20° | 1498.8 | 1499.8 | 1497.8 | 1499.8 | 1501.8 | 1502.8 | 1502.8 | 1502.8 |
| 22.5° | 1510.7 | 1509.7 | 1506.7 | 1507.7 | 1508.7 | 1508.7 | 1508.7 | 1508.7 |
| 25° | 1528.5 | 1526.6 | 1523.6 | 1522.6 | 1521.6 | 1520.6 | 1520.6 | 1520.6 |
| 27.5° | 1559.3 | 1556.3 | 1551.3 | 1550.3 | 1549.3 | 1547.4 | 1547.4 | 1547.4 |
| 30° | 1595.9 | 1591.9 | 1586.0 | 1584.0 | 1581.0 | 1579.1 | 1578.1 | 1577.1 |
| 32.5° | 1648.4 | 1640.5 | 1633.5 | 1628.6 | 1625.6 | 1619.7 | 1618.7 | 1616.7 |
| 35° | 1708.8 | 1702.9 | 1693.0 | 1690.0 | 1685.1 | 1682.1 | 1681.1 | 1676.1 |
| 37.5° | 1792.0 | 1785.1 | 1776.2 | 1774.2 | 1773.2 | 1770.3 | 1770.3 | 1769.3 |
| 40° | 1908.0 | 1901.0 | 1893.1 | 1885.2 | 1887.1 | 1888.1 | 1888.1 | 1884.2 |
| 42.5° | 2049.6 | 2038.7 | 2022.9 | 2027.8 | 2024.8 | 2020.9 | 2028.8 | 2023.9 |
| 45° | 2211.1 | 2196.2 | 2184.3 | 2179.4 | 2179.4 | 2174.4 | 2182.4 | 2182.4 |
| 47.5° | 2390.4 | 2366.6 | 2344.8 | 2345.8 | 2337.9 | 2339.9 | 2344.8 | 2351.8 |
| 50° | 2579.6 | 2547.9 | 2527.1 | 2517.2 | 2509.3 | 2512.2 | 2521.2 | 2523.1 |
| 52.5° | 2775.7 | 2737.1 | 2709.4 | 2694.5 | 2684.6 | 2688.6 | 2695.5 | 2701.4 |
| 55° | 2979.8 | 2937.2 | 2895.6 | 2879.8 | 2867.9 | 2875.8 | 2876.8 | 2884.7 |
| 57.5° | 3192.8 | 3134.4 | 3085.8 | 3062.0 | 3050.1 | 3058.1 | 3064.0 | 3071.9 |
| 60° | 3407.8 | 3340.4 | 3282.9 | 3255.2 | 3238.4 | 3249.3 | 3263.1 | 3267.1 |
| 62.5° | 3657.4 | 3564.3 | 3499.9 | 3460.3 | 3452.3 | 3463.2 | 3467.2 | 3479.1 |
| 65° | 3952.6 | 3840.7 | 3751.5 | 3703.0 | 3701.0 | 3706.9 | 3715.9 | 3718.8 |
| 67.5° | 4289.4 | 4164.6 | 4044.7 | 3996.2 | 3977.4 | 3995.2 | 4004.1 | 4016.0 |
| 70° | 4764.9 | 4593.6 | 4420.2 | 4312.2 | 4266.6 | 4252.8 | 4256.7 | 4269.6 |
| 72.5° | 4818.4 | 4634.2 | 4432.1 | 4285.5 | 4205.2 | 4168.6 | 4167.6 | 4169.6 |
| 75° | 4701.5 | 4407.3 | 4264.7 | 4096.3 | 3982.3 | 3922.9 | 3915.0 | 3914.0 |
| 76° | 4643.1 | 4295.4 | 4089.3 | 3955.6 | 3818.9 | 3758.4 | 3749.5 | 3744.6 |
| 77.5° | 4396.4 | 4022.9 | 3712.9 | 3631.6 | 3500.9 | 3424.6 | 3440.5 | 3427.6 |
| 80° | 3524.7 | 3154.2 | 2861.9 | 2633.1 | 2640.0 | 2584.6 | 2561.8 | 2554.8 |
| 82.5° | 2077.4 | 1773.2 | 1450.3 | 1261.1 | 1080.8 | 1033.2 | 889.6 | 856.9 |
| 85° | 663.7 | 470.5 | 285.3 | 207.0 | 140.7 | 117.9 | 92.1 | 84.2 |
| 87.5° | 88.2 | 69.3 | 56.5 | 54.5 | 49.5 | 42.6 | 27.7 | 19.8 |
| 90° | 1.0 | 1.0 | 1.0 | 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° | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 100° | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 102.5° | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 105° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 107.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |



REPORT NUMBER: P157805

CATALOG NUMBER: VST-F06-LED-E-U-5XQ

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| 112.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| 115° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| 117.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| 120° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| 122.5° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 125° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 127.5° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 130° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 132.5° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 135° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 137.5° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 140° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 142.5° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 145° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 147.5° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 150° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 152.5° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 155° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 157.5° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 160° | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 162.5° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 165° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 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)