

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: McGRAW-EDISON

Report Number: P157696

Luminaire Tested: **VTS-F06-LED-E1-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157696
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: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-5XQ-7050
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

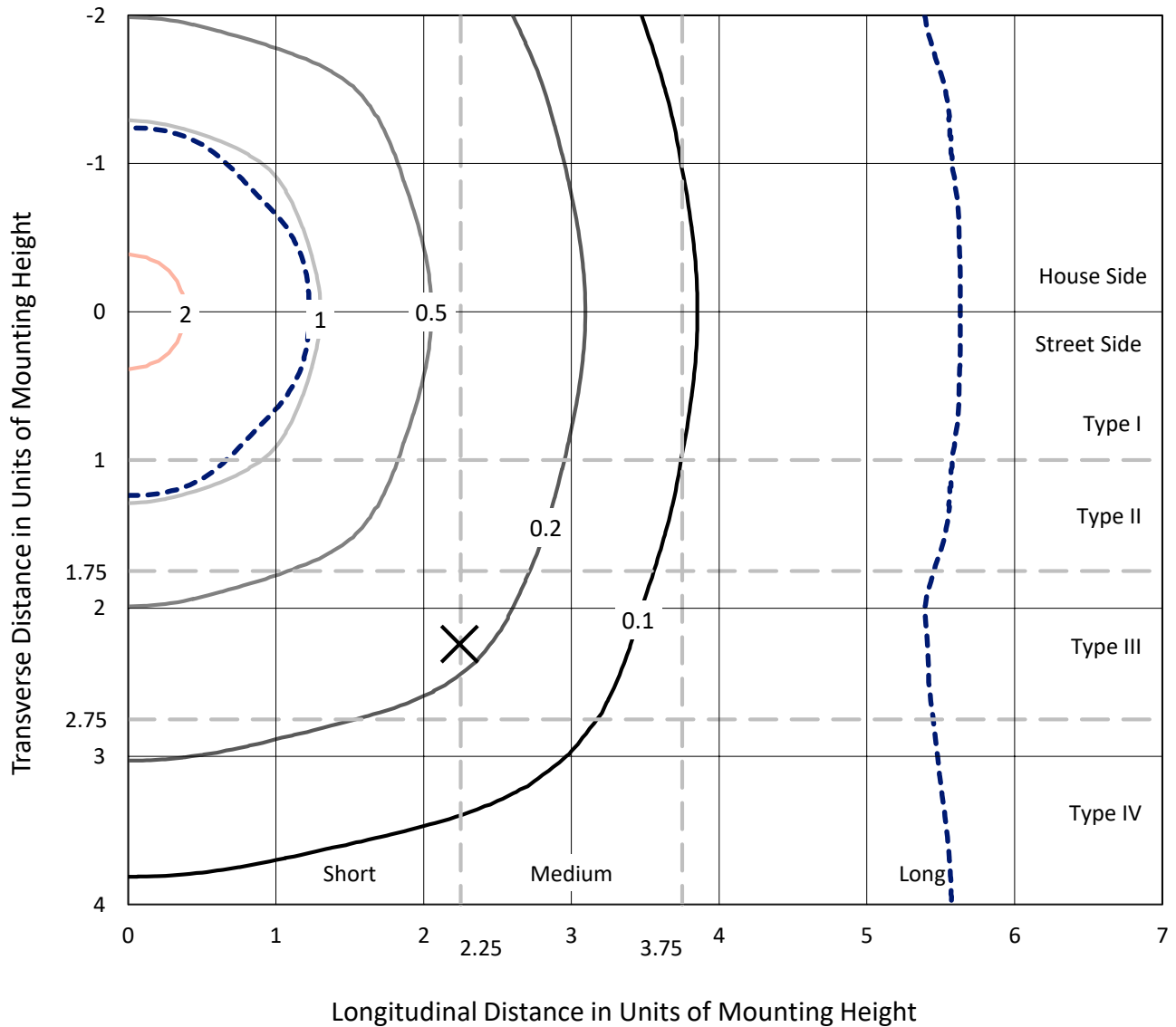
Lumens per Lamp: N/A
Luminaire Lumens: 16073.5 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U1 - G3

Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

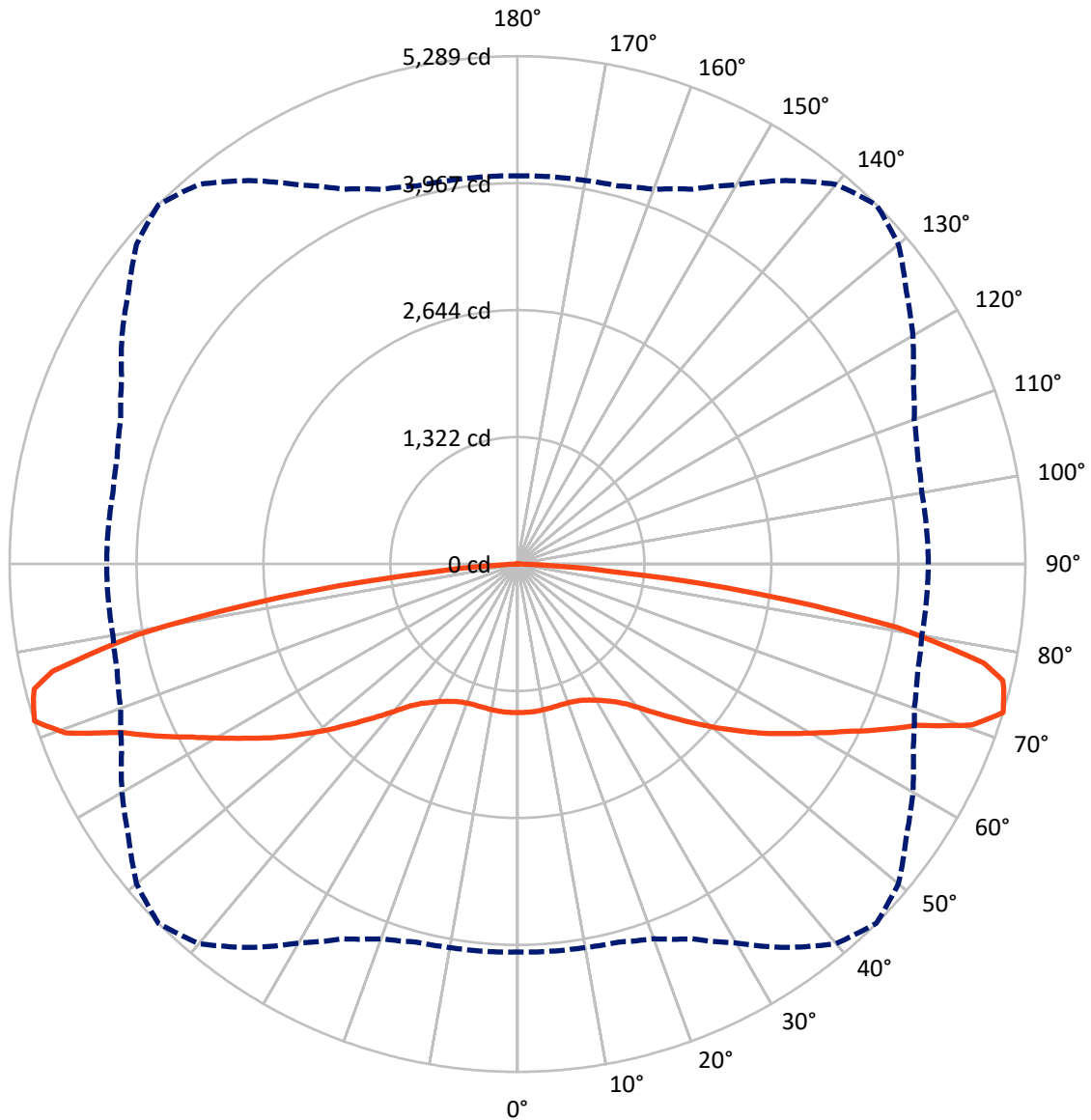
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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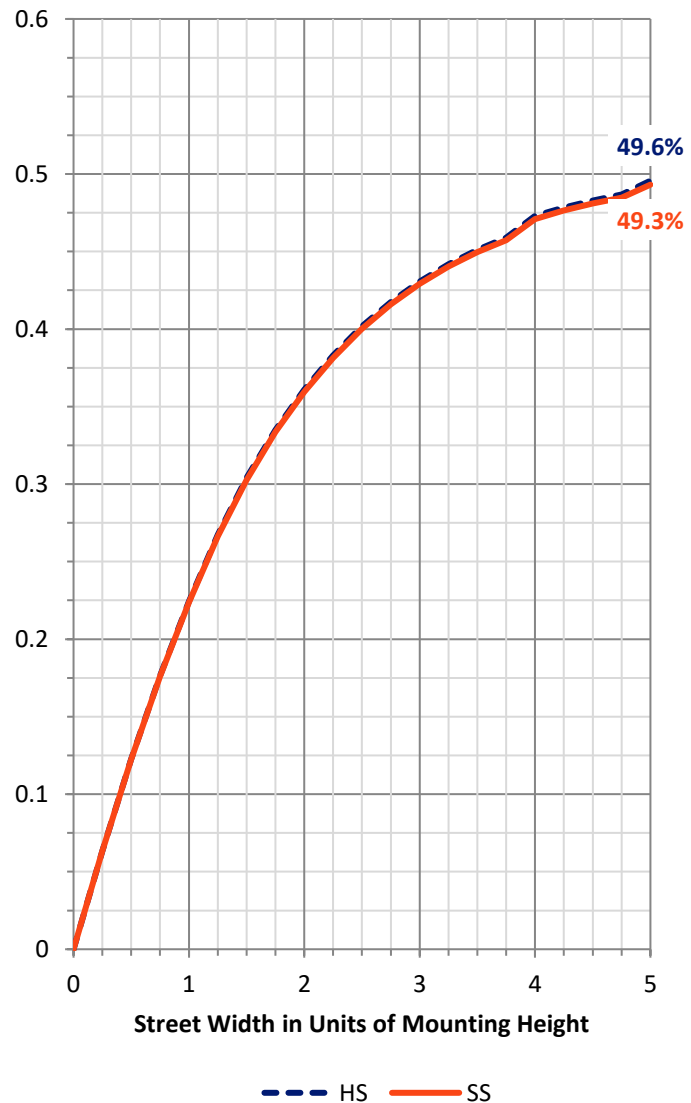
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8032.9 | 3.9 | 8036.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 8032.9 | 3.9 | 8036.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 16065.8 | 7.7 | 16073.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 147.6 | 0.9 |
| 10°-20° | 436.0 | 2.7 |
| 20°-30° | 729.0 | 4.5 |
| 30°-40° | 1108.1 | 6.9 |
| 40°-50° | 1755.0 | 10.9 |
| 50°-60° | 2684.5 | 16.7 |
| 60°-70° | 3842.0 | 23.9 |
| 70°-80° | 4396.1 | 27.3 |
| 80°-90° | 967.5 | 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° | 16065.8 | 100.0 |
| 0°-180° | 16073.5 | 100.0 |



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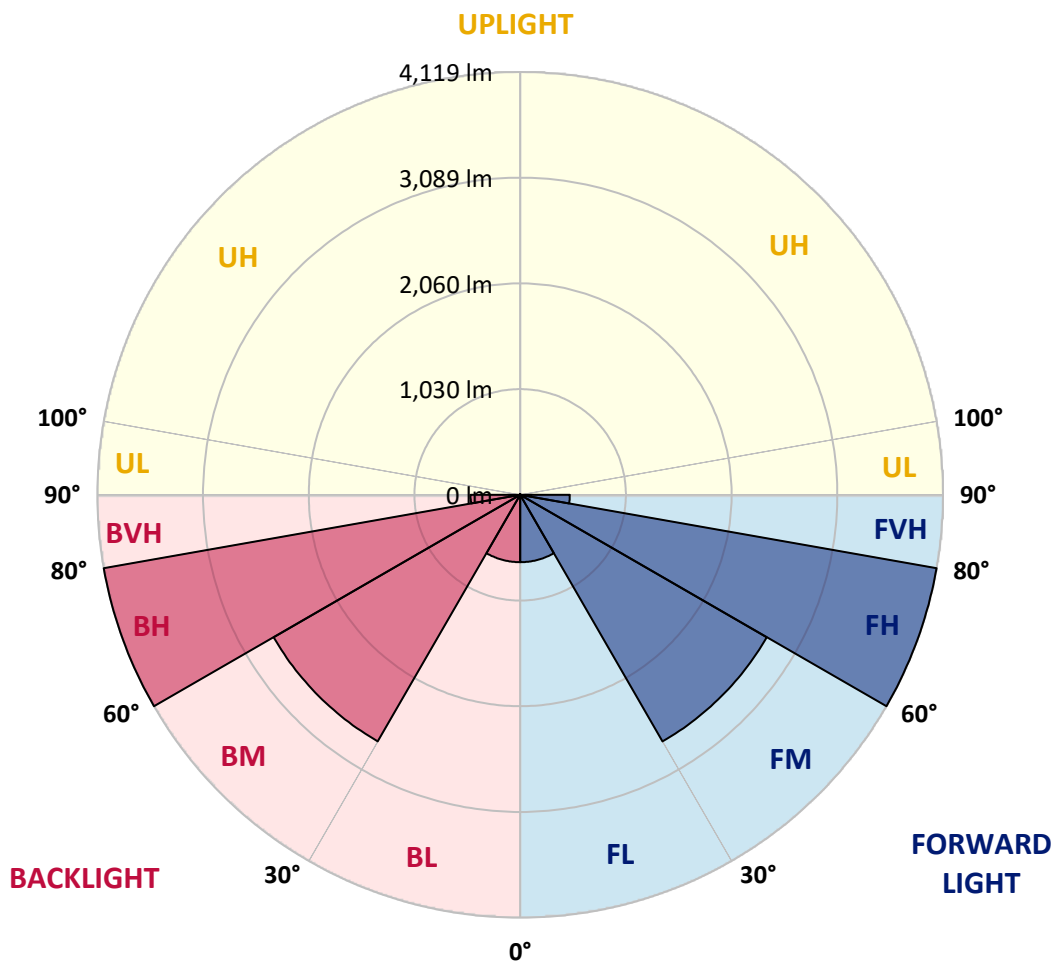
CATALOG NUMBER: VTS-F06-LED-E1-5XQ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 656.3 | 4.1 | | | |
| FM | (30°-60°) | 2773.8 | 17.3 | | | |
| FH | (60°-80°) | 4119.1 | 25.6 | | | G2/5000 |
| FVH | (80°-90°) | 483.8 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 656.3 | 4.1 | B2/1000 | | |
| BM | (30°-60°) | 2773.8 | 17.3 | B3/5000 | | |
| BH | (60°-80°) | 4119.1 | 25.6 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 483.8 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 |
| 2.5° | 1548.1 | 1546.1 | 1547.1 | 1549.1 | 1548.1 | 1548.1 | 1547.1 | 1547.1 | 1549.1 | 1547.1 | 1548.1 |
| 5° | 1549.1 | 1547.1 | 1548.1 | 1549.1 | 1548.1 | 1549.1 | 1548.1 | 1548.1 | 1548.1 | 1547.1 | 1549.1 |
| 7.5° | 1545.1 | 1545.1 | 1546.1 | 1546.1 | 1545.1 | 1546.1 | 1546.1 | 1546.1 | 1545.1 | 1545.1 | 1547.1 |
| 10° | 1543.0 | 1542.0 | 1542.0 | 1543.0 | 1542.0 | 1542.0 | 1543.0 | 1543.0 | 1541.0 | 1541.0 | 1543.0 |
| 12.5° | 1540.0 | 1539.0 | 1539.0 | 1539.0 | 1538.0 | 1538.0 | 1539.0 | 1539.0 | 1538.0 | 1536.9 | 1540.0 |
| 15° | 1538.0 | 1536.9 | 1536.9 | 1536.9 | 1534.9 | 1535.9 | 1535.9 | 1535.9 | 1534.9 | 1533.9 | 1536.9 |
| 17.5° | 1536.9 | 1535.9 | 1535.9 | 1535.9 | 1534.9 | 1534.9 | 1534.9 | 1534.9 | 1533.9 | 1533.9 | 1535.9 |
| 20° | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1538.0 | 1538.0 | 1538.0 | 1539.0 | 1539.0 | 1539.0 | 1541.0 |
| 22.5° | 1544.0 | 1544.0 | 1545.1 | 1546.1 | 1546.1 | 1548.1 | 1549.1 | 1550.1 | 1550.1 | 1551.2 | 1553.2 |
| 25° | 1557.3 | 1557.3 | 1558.3 | 1559.3 | 1562.3 | 1564.4 | 1568.4 | 1570.5 | 1571.5 | 1571.5 | 1572.5 |
| 27.5° | 1581.7 | 1582.7 | 1584.7 | 1586.7 | 1590.8 | 1593.9 | 1597.9 | 1602.0 | 1603.0 | 1604.0 | 1605.0 |
| 30° | 1612.2 | 1613.2 | 1617.2 | 1619.3 | 1624.4 | 1630.5 | 1635.5 | 1639.6 | 1642.6 | 1644.7 | 1643.7 |
| 32.5° | 1655.9 | 1657.9 | 1663.0 | 1666.0 | 1673.1 | 1679.2 | 1686.4 | 1692.5 | 1695.5 | 1698.6 | 1697.5 |
| 35° | 1716.9 | 1721.9 | 1727.0 | 1730.1 | 1737.2 | 1742.3 | 1751.4 | 1757.5 | 1763.6 | 1761.6 | 1762.6 |
| 37.5° | 1807.3 | 1811.4 | 1812.4 | 1814.4 | 1821.6 | 1825.6 | 1835.8 | 1843.9 | 1847.0 | 1849.0 | 1850.0 |
| 40° | 1929.3 | 1929.3 | 1934.4 | 1930.3 | 1939.5 | 1940.5 | 1952.7 | 1963.9 | 1966.9 | 1975.0 | 1968.9 |
| 42.5° | 2071.6 | 2070.6 | 2073.6 | 2070.6 | 2070.6 | 2080.8 | 2090.9 | 2111.3 | 2113.3 | 2123.4 | 2117.4 |
| 45° | 2226.1 | 2226.1 | 2223.1 | 2224.1 | 2226.1 | 2237.3 | 2249.5 | 2271.9 | 2282.0 | 2288.1 | 2284.1 |
| 47.5° | 2393.8 | 2389.8 | 2388.8 | 2387.7 | 2393.8 | 2406.0 | 2424.3 | 2445.7 | 2471.1 | 2473.1 | 2471.1 |
| 50° | 2563.6 | 2562.6 | 2555.5 | 2561.6 | 2565.6 | 2571.7 | 2606.3 | 2634.7 | 2661.2 | 2677.4 | 2672.4 |
| 52.5° | 2742.5 | 2733.3 | 2733.3 | 2733.3 | 2743.5 | 2762.8 | 2793.3 | 2831.9 | 2867.5 | 2884.8 | 2881.8 |
| 55° | 2923.4 | 2920.4 | 2911.2 | 2907.2 | 2920.4 | 2947.8 | 2991.5 | 3038.3 | 3085.0 | 3111.5 | 3101.3 |
| 57.5° | 3089.1 | 3084.0 | 3085.0 | 3086.1 | 3101.3 | 3137.9 | 3188.7 | 3250.7 | 3301.6 | 3330.0 | 3322.9 |
| 60° | 3219.2 | 3213.1 | 3224.3 | 3227.4 | 3254.8 | 3315.8 | 3397.1 | 3475.4 | 3542.5 | 3570.9 | 3559.8 |
| 62.5° | 3366.6 | 3362.6 | 3369.7 | 3368.7 | 3398.1 | 3466.2 | 3575.0 | 3700.0 | 3801.7 | 3838.3 | 3822.0 |
| 65° | 3604.5 | 3592.3 | 3589.2 | 3578.0 | 3597.4 | 3650.2 | 3759.0 | 3904.3 | 4067.0 | 4160.5 | 4138.1 |
| 67.5° | 3889.1 | 3886.0 | 3875.9 | 3869.8 | 3876.9 | 3943.0 | 4047.7 | 4187.9 | 4353.6 | 4482.7 | 4511.2 |
| 70° | 4077.1 | 4081.2 | 4091.4 | 4106.6 | 4165.6 | 4293.7 | 4484.8 | 4697.2 | 4924.9 | 5021.5 | 5004.2 |
| 72.5° | 4041.6 | 4047.7 | 4055.8 | 4075.1 | 4152.4 | 4305.9 | 4557.9 | 4875.1 | 5160.7 | 5288.8 | 5179.0 |
| 75° | 3867.7 | 3872.8 | 3891.1 | 3920.6 | 4015.1 | 4201.2 | 4472.6 | 4809.0 | 5103.8 | 5231.9 | 5117.0 |
| 76° | 3707.1 | 3723.4 | 3756.9 | 3791.5 | 3905.4 | 4107.6 | 4397.3 | 4756.2 | 5068.2 | 5198.3 | 5087.5 |
| 77.5° | 3343.2 | 3357.5 | 3384.9 | 3444.9 | 3574.0 | 3833.2 | 4171.7 | 4524.4 | 4849.7 | 4966.6 | 4873.1 |
| 80° | 2515.8 | 2528.0 | 2553.4 | 2625.6 | 2737.4 | 2898.0 | 3160.3 | 3504.9 | 3861.6 | 4015.1 | 3954.1 |
| 82.5° | 1062.2 | 1076.5 | 1177.1 | 1281.8 | 1404.8 | 1578.6 | 1749.4 | 2054.3 | 2316.6 | 2491.4 | 2397.9 |
| 85° | 116.9 | 144.3 | 177.9 | 241.9 | 296.8 | 395.4 | 492.0 | 677.0 | 855.9 | 964.6 | 852.8 |
| 87.5° | 20.3 | 23.4 | 33.5 | 42.7 | 47.8 | 54.9 | 66.1 | 92.5 | 126.0 | 108.8 | 110.8 |
| 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: P157696

CATALOG NUMBER: VTS-F06-LED-E1-5XQ-7050

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: P157696

CATALOG NUMBER: VTS-F06-LED-E1-5XQ-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 | 1547.1 |
| 2.5° | 1547.1 | 1547.1 | 1549.1 | 1548.1 | 1548.1 | 1549.1 | 1551.2 | 1550.1 |
| 5° | 1548.1 | 1549.1 | 1547.1 | 1548.1 | 1549.1 | 1549.1 | 1550.1 | 1549.1 |
| 7.5° | 1546.1 | 1546.1 | 1546.1 | 1547.1 | 1548.1 | 1547.1 | 1548.1 | 1548.1 |
| 10° | 1542.0 | 1543.0 | 1542.0 | 1544.0 | 1545.1 | 1545.1 | 1546.1 | 1546.1 |
| 12.5° | 1539.0 | 1539.0 | 1539.0 | 1541.0 | 1542.0 | 1542.0 | 1543.0 | 1542.0 |
| 15° | 1535.9 | 1535.9 | 1534.9 | 1536.9 | 1539.0 | 1539.0 | 1540.0 | 1540.0 |
| 17.5° | 1534.9 | 1534.9 | 1533.9 | 1535.9 | 1538.0 | 1538.0 | 1539.0 | 1539.0 |
| 20° | 1538.0 | 1539.0 | 1536.9 | 1539.0 | 1541.0 | 1542.0 | 1542.0 | 1542.0 |
| 22.5° | 1550.1 | 1549.1 | 1546.1 | 1547.1 | 1548.1 | 1548.1 | 1548.1 | 1548.1 |
| 25° | 1568.4 | 1566.4 | 1563.4 | 1562.3 | 1561.3 | 1560.3 | 1560.3 | 1560.3 |
| 27.5° | 1600.0 | 1596.9 | 1591.8 | 1590.8 | 1589.8 | 1587.8 | 1587.8 | 1587.8 |
| 30° | 1637.6 | 1633.5 | 1627.4 | 1625.4 | 1622.3 | 1620.3 | 1619.3 | 1618.3 |
| 32.5° | 1691.4 | 1683.3 | 1676.2 | 1671.1 | 1668.1 | 1662.0 | 1660.9 | 1658.9 |
| 35° | 1753.4 | 1747.3 | 1737.2 | 1734.1 | 1729.1 | 1726.0 | 1725.0 | 1719.9 |
| 37.5° | 1838.8 | 1831.7 | 1822.6 | 1820.5 | 1819.5 | 1816.5 | 1816.5 | 1815.5 |
| 40° | 1957.8 | 1950.6 | 1942.5 | 1934.4 | 1936.4 | 1937.4 | 1937.4 | 1933.4 |
| 42.5° | 2103.1 | 2091.9 | 2075.7 | 2080.8 | 2077.7 | 2073.6 | 2081.8 | 2076.7 |
| 45° | 2268.8 | 2253.6 | 2241.4 | 2236.3 | 2236.3 | 2231.2 | 2239.3 | 2239.3 |
| 47.5° | 2452.8 | 2428.4 | 2406.0 | 2407.1 | 2398.9 | 2401.0 | 2406.0 | 2413.1 |
| 50° | 2646.9 | 2614.4 | 2593.1 | 2582.9 | 2574.8 | 2577.8 | 2587.0 | 2589.0 |
| 52.5° | 2848.2 | 2808.6 | 2780.1 | 2764.9 | 2754.7 | 2758.8 | 2765.9 | 2772.0 |
| 55° | 3057.6 | 3013.9 | 2971.2 | 2954.9 | 2942.7 | 2950.9 | 2951.9 | 2960.0 |
| 57.5° | 3276.1 | 3216.2 | 3166.4 | 3142.0 | 3129.8 | 3137.9 | 3144.0 | 3152.1 |
| 60° | 3496.7 | 3427.6 | 3368.7 | 3340.2 | 3322.9 | 3334.1 | 3348.3 | 3352.4 |
| 62.5° | 3752.9 | 3657.3 | 3591.3 | 3550.6 | 3542.5 | 3553.7 | 3557.7 | 3569.9 |
| 65° | 4055.8 | 3940.9 | 3849.5 | 3799.6 | 3797.6 | 3803.7 | 3812.9 | 3815.9 |
| 67.5° | 4401.4 | 4273.3 | 4150.3 | 4100.5 | 4081.2 | 4099.5 | 4108.7 | 4120.9 |
| 70° | 4889.3 | 4713.5 | 4535.6 | 4424.8 | 4378.0 | 4363.8 | 4367.9 | 4381.1 |
| 72.5° | 4944.2 | 4755.1 | 4547.8 | 4397.3 | 4315.0 | 4277.4 | 4276.4 | 4278.4 |
| 75° | 4824.3 | 4522.4 | 4376.0 | 4203.2 | 4086.3 | 4025.3 | 4017.2 | 4016.2 |
| 76° | 4764.3 | 4407.5 | 4196.1 | 4058.8 | 3918.6 | 3856.6 | 3847.4 | 3842.3 |
| 77.5° | 4511.2 | 4128.0 | 3809.8 | 3726.5 | 3592.3 | 3514.0 | 3530.3 | 3517.1 |
| 80° | 3616.7 | 3236.5 | 2936.6 | 2701.8 | 2708.9 | 2652.0 | 2628.6 | 2621.5 |
| 82.5° | 2131.6 | 1819.5 | 1488.1 | 1294.0 | 1109.0 | 1060.2 | 912.8 | 879.3 |
| 85° | 681.0 | 482.8 | 292.7 | 212.4 | 144.3 | 121.0 | 94.5 | 86.4 |
| 87.5° | 90.5 | 71.2 | 57.9 | 55.9 | 50.8 | 43.7 | 28.5 | 20.3 |
| 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: P157696

CATALOG NUMBER: VTS-F06-LED-E1-5XQ-7050

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)