

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: P157661

Luminaire Tested: **VTS-E03-LED-E1-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157661
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-E03-LED-E1-5XQ-7050
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

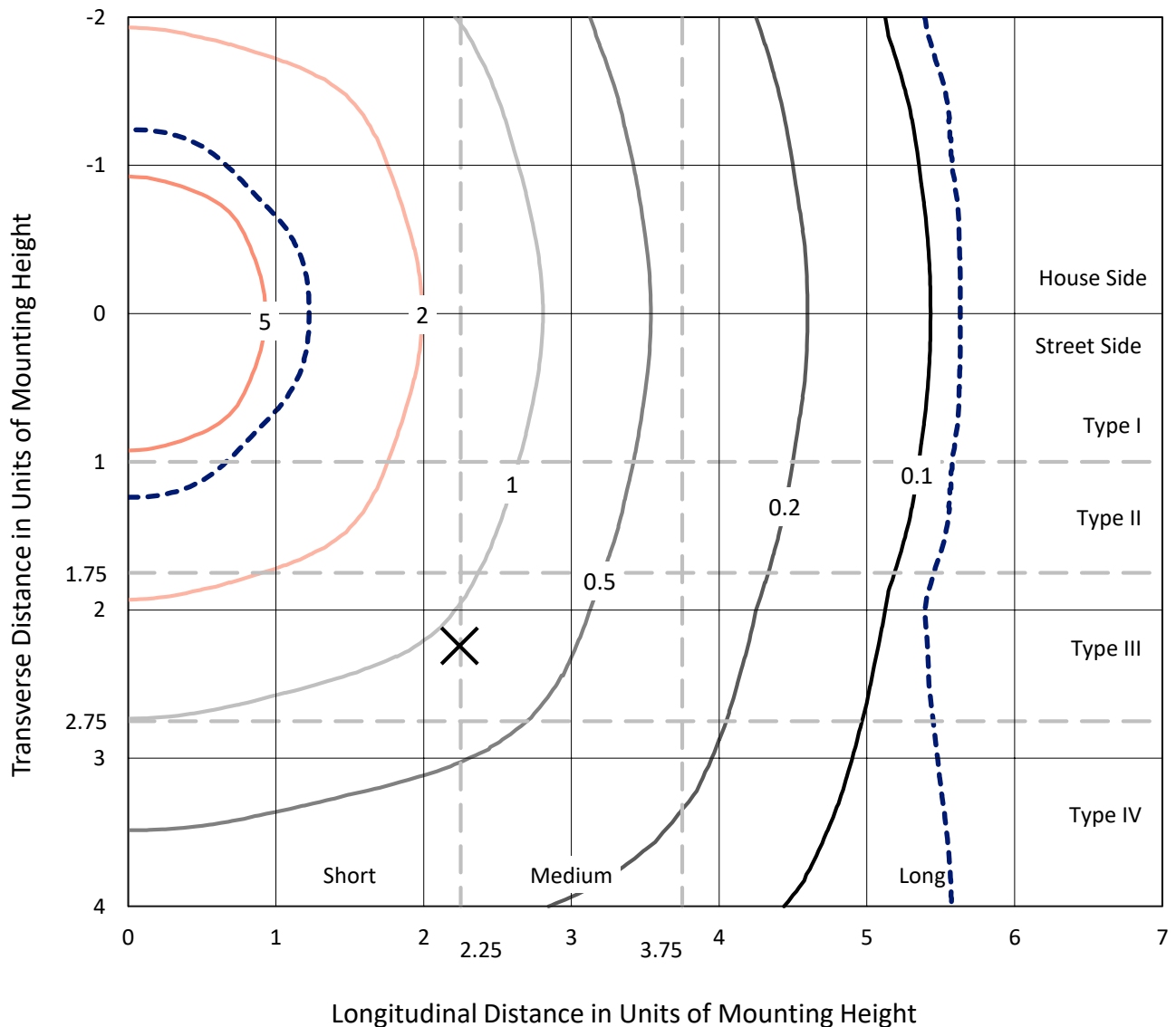
Lumens per Lamp: N/A
Luminaire Lumens: 9735.3 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U1 - G3

Input Watts (W): 75.2
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: 25 FT

REPORT NUMBER: P157661
 CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

Iso-Footcandle Lines of Horizontal Illumination

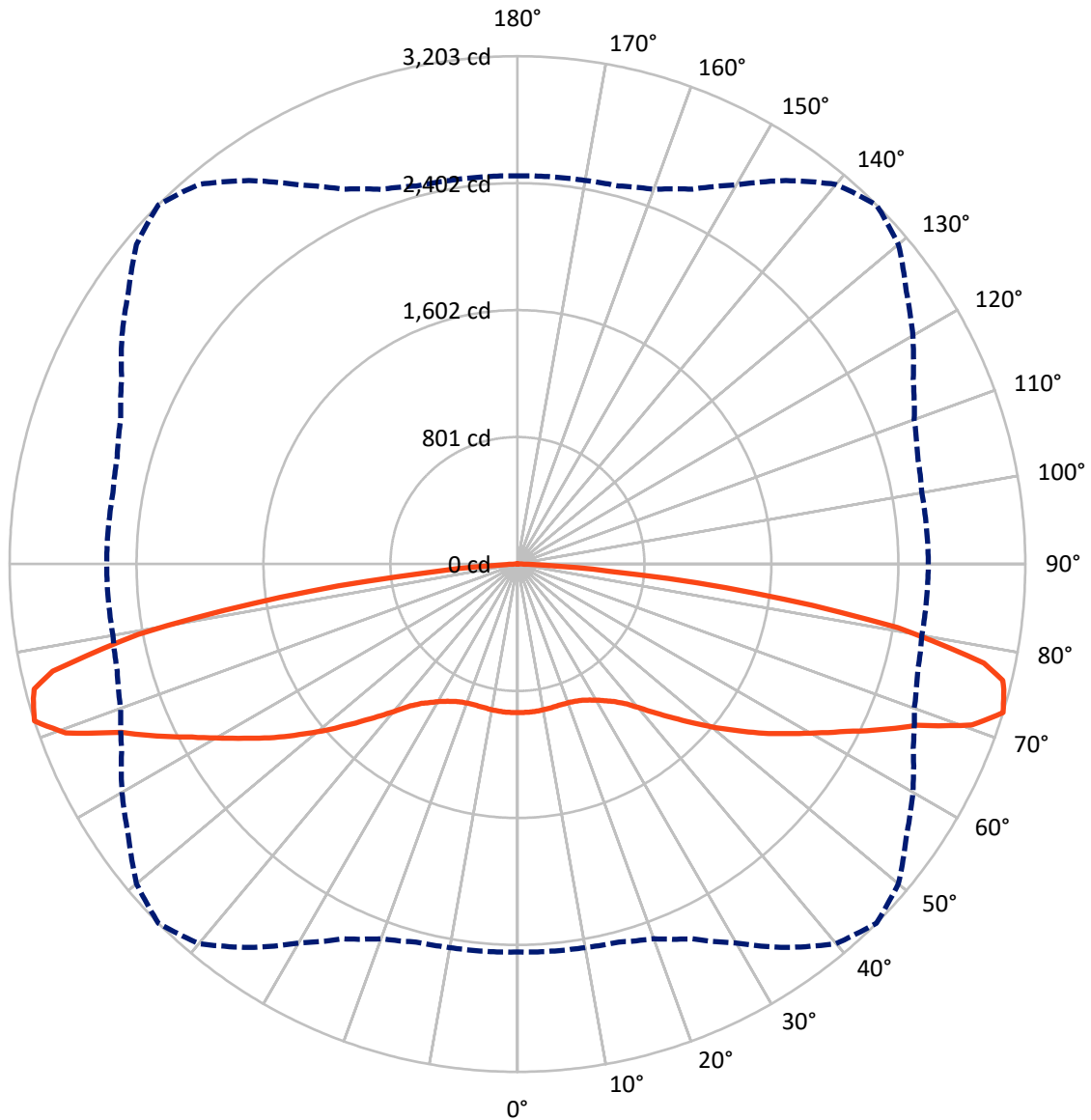
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P157661
CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P157661

CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

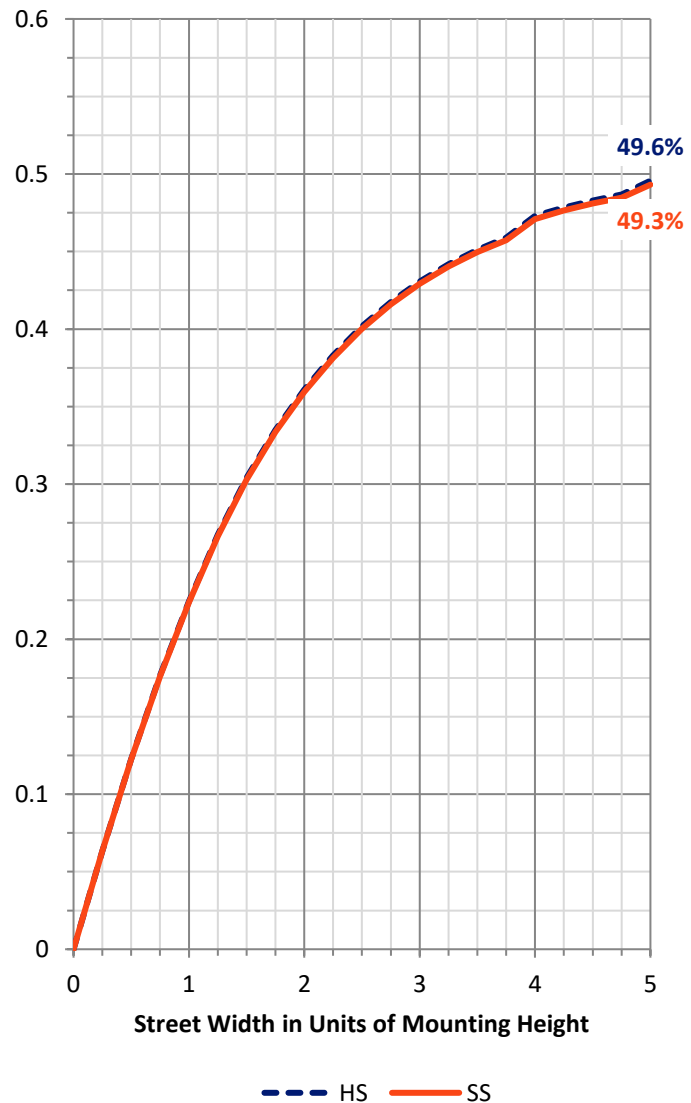
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4865.3 | 2.3 | 4867.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4865.3 | 2.3 | 4867.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9730.7 | 4.6 | 9735.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.4 | 0.9 |
| 10°-20° | 264.1 | 2.7 |
| 20°-30° | 441.6 | 4.5 |
| 30°-40° | 671.1 | 6.9 |
| 40°-50° | 1063.0 | 10.9 |
| 50°-60° | 1625.9 | 16.7 |
| 60°-70° | 2327.0 | 23.9 |
| 70°-80° | 2662.6 | 27.4 |
| 80°-90° | 586.0 | 6.0 |
| 90°-100° | 0.5 | 0.0 |
| 100°-110° | 1.0 | 0.0 |
| 110°-120° | 0.7 | 0.0 |
| 120°-130° | 0.7 | 0.0 |
| 130°-140° | 0.7 | 0.0 |
| 140°-150° | 0.5 | 0.0 |
| 150°-160° | 0.4 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 9730.7 | 100.0 |
| 0°-180° | 9735.3 | 100.0 |



REPORT NUMBER: P157661

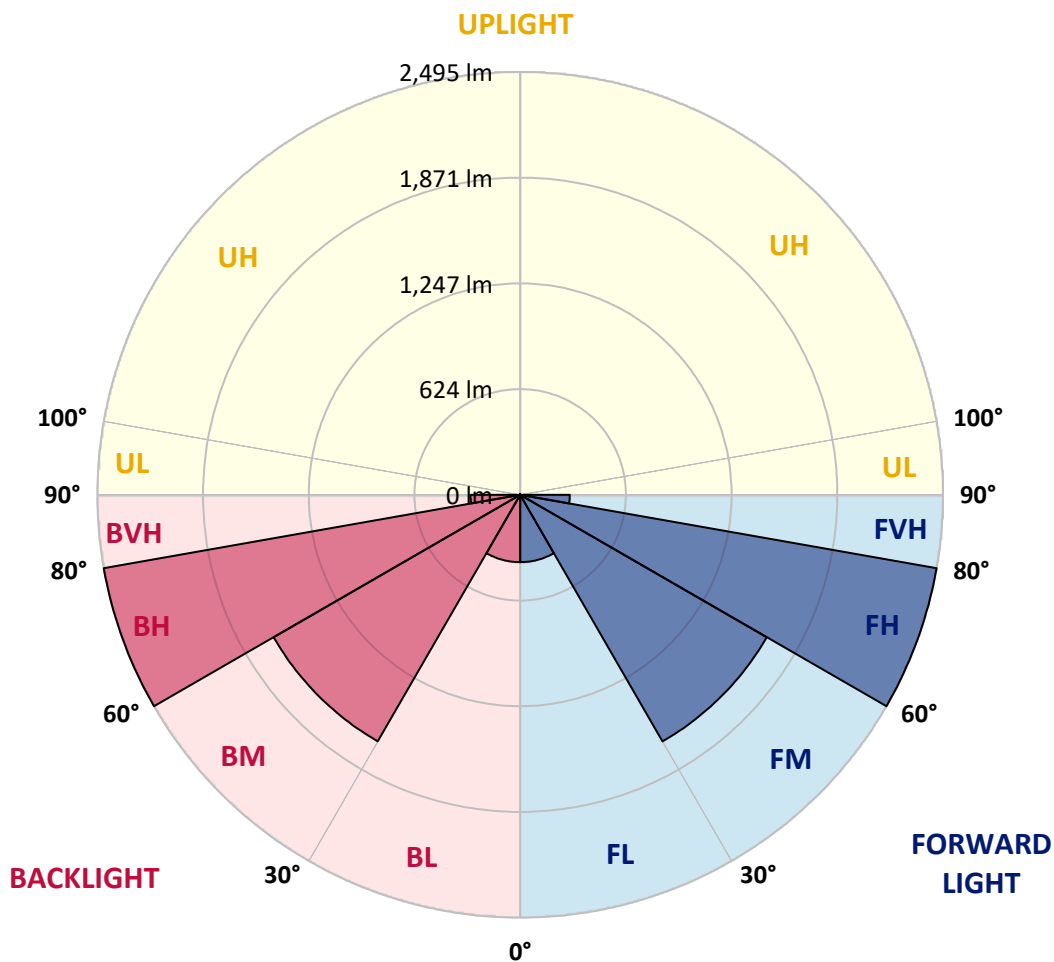
CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 397.5 | 4.1 | | | |
| FM | (30°-60°) | 1680.0 | 17.3 | | | |
| FH | (60°-80°) | 2494.8 | 25.6 | | | G2/5000 |
| FVH | (80°-90°) | 293.0 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 397.5 | 4.1 | B1/500 | | |
| BM | (30°-60°) | 1680.0 | 17.3 | B2/2500 | | |
| BH | (60°-80°) | 2494.8 | 25.6 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 293.0 | 3.0 | | | G3/500 |
| UL | (90°-100°) | 0.5 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 2.3 | 0.0 | | U1/10 | |

BUG Rating: B3-U1-G3

Type V Short





REPORT NUMBER: P157661

CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 |
| 2.5° | 937.7 | 936.4 | 937.0 | 938.3 | 937.7 | 937.7 | 937.0 | 937.0 | 938.3 | 937.0 | 937.7 |
| 5° | 938.3 | 937.0 | 937.7 | 938.3 | 937.7 | 938.3 | 937.7 | 937.7 | 937.7 | 937.0 | 938.3 |
| 7.5° | 935.8 | 935.8 | 936.4 | 936.4 | 935.8 | 936.4 | 936.4 | 936.4 | 935.8 | 935.8 | 937.0 |
| 10° | 934.6 | 934.0 | 934.0 | 934.6 | 934.0 | 934.0 | 934.6 | 934.6 | 933.3 | 933.3 | 934.6 |
| 12.5° | 932.7 | 932.1 | 932.1 | 932.1 | 931.5 | 931.5 | 932.1 | 932.1 | 931.5 | 930.9 | 932.7 |
| 15° | 931.5 | 930.9 | 930.9 | 930.9 | 929.7 | 930.3 | 930.3 | 930.3 | 929.7 | 929.0 | 930.9 |
| 17.5° | 930.9 | 930.3 | 930.3 | 930.3 | 929.7 | 929.7 | 929.7 | 929.7 | 929.0 | 929.0 | 930.3 |
| 20° | 932.1 | 932.1 | 932.1 | 932.1 | 931.5 | 931.5 | 931.5 | 932.1 | 932.1 | 932.1 | 933.3 |
| 22.5° | 935.2 | 935.2 | 935.8 | 936.4 | 936.4 | 937.7 | 938.3 | 938.9 | 938.9 | 939.5 | 940.7 |
| 25° | 943.2 | 943.2 | 943.8 | 944.4 | 946.3 | 947.5 | 950.0 | 951.2 | 951.8 | 951.8 | 952.4 |
| 27.5° | 958.0 | 958.6 | 959.8 | 961.1 | 963.5 | 965.4 | 967.8 | 970.3 | 970.9 | 971.5 | 972.1 |
| 30° | 976.4 | 977.1 | 979.5 | 980.8 | 983.8 | 987.5 | 990.6 | 993.1 | 994.9 | 996.1 | 995.5 |
| 32.5° | 1002.9 | 1004.1 | 1007.2 | 1009.1 | 1013.4 | 1017.1 | 1021.4 | 1025.1 | 1026.9 | 1028.8 | 1028.2 |
| 35° | 1039.9 | 1042.9 | 1046.0 | 1047.9 | 1052.2 | 1055.2 | 1060.8 | 1064.5 | 1068.2 | 1066.9 | 1067.6 |
| 37.5° | 1094.6 | 1097.1 | 1097.7 | 1099.0 | 1103.3 | 1105.7 | 1111.9 | 1116.8 | 1118.7 | 1119.9 | 1120.5 |
| 40° | 1168.5 | 1168.5 | 1171.6 | 1169.1 | 1174.7 | 1175.3 | 1182.7 | 1189.5 | 1191.3 | 1196.2 | 1192.5 |
| 42.5° | 1254.7 | 1254.1 | 1256.0 | 1254.1 | 1254.1 | 1260.3 | 1266.4 | 1278.7 | 1280.0 | 1286.1 | 1282.4 |
| 45° | 1348.3 | 1348.3 | 1346.5 | 1347.1 | 1348.3 | 1355.1 | 1362.5 | 1376.0 | 1382.2 | 1385.9 | 1383.4 |
| 47.5° | 1449.9 | 1447.4 | 1446.8 | 1446.2 | 1449.9 | 1457.3 | 1468.4 | 1481.3 | 1496.7 | 1497.9 | 1496.7 |
| 50° | 1552.7 | 1552.1 | 1547.8 | 1551.5 | 1553.9 | 1557.6 | 1578.6 | 1595.8 | 1611.8 | 1621.7 | 1618.6 |
| 52.5° | 1661.1 | 1655.5 | 1655.5 | 1655.5 | 1661.7 | 1673.4 | 1691.8 | 1715.2 | 1736.8 | 1747.3 | 1745.4 |
| 55° | 1770.6 | 1768.8 | 1763.3 | 1760.8 | 1768.8 | 1785.4 | 1811.9 | 1840.2 | 1868.5 | 1884.5 | 1878.4 |
| 57.5° | 1871.0 | 1867.9 | 1868.5 | 1869.2 | 1878.4 | 1900.6 | 1931.3 | 1968.9 | 1999.7 | 2016.9 | 2012.6 |
| 60° | 1949.8 | 1946.1 | 1952.9 | 1954.7 | 1971.4 | 2008.3 | 2057.5 | 2105.0 | 2145.6 | 2162.8 | 2156.1 |
| 62.5° | 2039.1 | 2036.6 | 2040.9 | 2040.3 | 2058.2 | 2099.4 | 2165.3 | 2241.0 | 2302.6 | 2324.7 | 2314.9 |
| 65° | 2183.1 | 2175.8 | 2173.9 | 2167.1 | 2178.8 | 2210.8 | 2276.7 | 2364.8 | 2463.3 | 2519.9 | 2506.4 |
| 67.5° | 2355.5 | 2353.7 | 2347.5 | 2343.8 | 2348.1 | 2388.2 | 2451.6 | 2536.5 | 2636.9 | 2715.1 | 2732.3 |
| 70° | 2469.4 | 2471.9 | 2478.0 | 2487.3 | 2523.0 | 2600.6 | 2716.3 | 2845.0 | 2982.9 | 3041.4 | 3030.9 |
| 72.5° | 2447.9 | 2451.6 | 2456.5 | 2468.2 | 2515.0 | 2607.9 | 2760.6 | 2952.7 | 3125.7 | 3203.3 | 3136.8 |
| 75° | 2342.6 | 2345.7 | 2356.8 | 2374.6 | 2431.9 | 2544.5 | 2708.9 | 2912.7 | 3091.2 | 3168.8 | 3099.2 |
| 76° | 2245.3 | 2255.2 | 2275.5 | 2296.4 | 2365.4 | 2487.9 | 2663.4 | 2880.7 | 3069.7 | 3148.5 | 3081.4 |
| 77.5° | 2024.9 | 2033.5 | 2050.2 | 2086.5 | 2164.7 | 2321.7 | 2526.7 | 2740.3 | 2937.3 | 3008.1 | 2951.5 |
| 80° | 1523.8 | 1531.2 | 1546.5 | 1590.3 | 1658.0 | 1755.3 | 1914.1 | 2122.8 | 2338.9 | 2431.9 | 2394.9 |
| 82.5° | 643.4 | 652.0 | 712.9 | 776.4 | 850.8 | 956.1 | 1059.6 | 1244.3 | 1403.1 | 1509.0 | 1452.3 |
| 85° | 70.8 | 87.4 | 107.7 | 146.5 | 179.8 | 239.5 | 298.0 | 410.0 | 518.4 | 584.3 | 516.5 |
| 87.5° | 12.3 | 14.2 | 20.3 | 25.9 | 28.9 | 33.2 | 40.0 | 56.0 | 76.3 | 65.9 | 67.1 |
| 90° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 100° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 |
| 102.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 105° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 107.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 1.2 | 0.6 |



REPORT NUMBER: P157661

CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 112.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 115° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 117.5° | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 120° | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 122.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 125° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 127.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 130° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 132.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 135° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 137.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 140° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 142.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 145° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 147.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 150° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 |
| 155° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.6 |
| 157.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 160° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 165° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 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: P157661

CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 | 937.0 |
| 2.5° | 937.0 | 937.0 | 938.3 | 937.7 | 937.7 | 938.3 | 939.5 | 938.9 |
| 5° | 937.7 | 938.3 | 937.0 | 937.7 | 938.3 | 938.3 | 938.9 | 938.3 |
| 7.5° | 936.4 | 936.4 | 936.4 | 937.0 | 937.7 | 937.0 | 937.7 | 937.7 |
| 10° | 934.0 | 934.6 | 934.0 | 935.2 | 935.8 | 935.8 | 936.4 | 936.4 |
| 12.5° | 932.1 | 932.1 | 932.1 | 933.3 | 934.0 | 934.0 | 934.6 | 934.0 |
| 15° | 930.3 | 930.3 | 929.7 | 930.9 | 932.1 | 932.1 | 932.7 | 932.7 |
| 17.5° | 929.7 | 929.7 | 929.0 | 930.3 | 931.5 | 931.5 | 932.1 | 932.1 |
| 20° | 931.5 | 932.1 | 930.9 | 932.1 | 933.3 | 934.0 | 934.0 | 934.0 |
| 22.5° | 938.9 | 938.3 | 936.4 | 937.0 | 937.7 | 937.7 | 937.7 | 937.7 |
| 25° | 950.0 | 948.7 | 946.9 | 946.3 | 945.7 | 945.0 | 945.0 | 945.0 |
| 27.5° | 969.1 | 967.2 | 964.1 | 963.5 | 962.9 | 961.7 | 961.7 | 961.7 |
| 30° | 991.8 | 989.4 | 985.7 | 984.4 | 982.6 | 981.4 | 980.8 | 980.1 |
| 32.5° | 1024.5 | 1019.5 | 1015.2 | 1012.2 | 1010.3 | 1006.6 | 1006.0 | 1004.8 |
| 35° | 1062.0 | 1058.3 | 1052.2 | 1050.3 | 1047.2 | 1045.4 | 1044.8 | 1041.7 |
| 37.5° | 1113.7 | 1109.4 | 1103.9 | 1102.7 | 1102.0 | 1100.2 | 1100.2 | 1099.6 |
| 40° | 1185.8 | 1181.5 | 1176.5 | 1171.6 | 1172.8 | 1173.5 | 1173.5 | 1171.0 |
| 42.5° | 1273.8 | 1267.0 | 1257.2 | 1260.3 | 1258.4 | 1256.0 | 1260.9 | 1257.8 |
| 45° | 1374.2 | 1364.9 | 1357.5 | 1354.5 | 1354.5 | 1351.4 | 1356.3 | 1356.3 |
| 47.5° | 1485.6 | 1470.8 | 1457.3 | 1457.9 | 1453.0 | 1454.2 | 1457.3 | 1461.6 |
| 50° | 1603.2 | 1583.5 | 1570.6 | 1564.4 | 1559.5 | 1561.3 | 1566.9 | 1568.1 |
| 52.5° | 1725.1 | 1701.1 | 1683.8 | 1674.6 | 1668.4 | 1670.9 | 1675.2 | 1678.9 |
| 55° | 1851.9 | 1825.4 | 1799.6 | 1789.7 | 1782.3 | 1787.3 | 1787.9 | 1792.8 |
| 57.5° | 1984.3 | 1948.0 | 1917.8 | 1903.0 | 1895.6 | 1900.6 | 1904.2 | 1909.2 |
| 60° | 2117.9 | 2076.0 | 2040.3 | 2023.1 | 2012.6 | 2019.4 | 2028.0 | 2030.5 |
| 62.5° | 2273.0 | 2215.2 | 2175.1 | 2150.5 | 2145.6 | 2152.4 | 2154.8 | 2162.2 |
| 65° | 2456.5 | 2386.9 | 2331.5 | 2301.3 | 2300.1 | 2303.8 | 2309.4 | 2311.2 |
| 67.5° | 2665.8 | 2588.2 | 2513.8 | 2483.6 | 2471.9 | 2483.0 | 2488.5 | 2495.9 |
| 70° | 2961.3 | 2854.8 | 2747.1 | 2680.0 | 2651.7 | 2643.0 | 2645.5 | 2653.5 |
| 72.5° | 2994.6 | 2880.1 | 2754.5 | 2663.4 | 2613.5 | 2590.7 | 2590.1 | 2591.3 |
| 75° | 2921.9 | 2739.1 | 2650.4 | 2545.8 | 2475.0 | 2438.0 | 2433.1 | 2432.5 |
| 76° | 2885.6 | 2669.5 | 2541.5 | 2458.3 | 2373.4 | 2335.8 | 2330.3 | 2327.2 |
| 77.5° | 2732.3 | 2500.2 | 2307.5 | 2257.0 | 2175.8 | 2128.3 | 2138.2 | 2130.2 |
| 80° | 2190.5 | 1960.3 | 1778.7 | 1636.4 | 1640.7 | 1606.3 | 1592.1 | 1587.8 |
| 82.5° | 1291.0 | 1102.0 | 901.3 | 783.7 | 671.7 | 642.1 | 552.9 | 532.5 |
| 85° | 412.5 | 292.4 | 177.3 | 128.7 | 87.4 | 73.3 | 57.3 | 52.3 |
| 87.5° | 54.8 | 43.1 | 35.1 | 33.9 | 30.8 | 26.5 | 17.2 | 12.3 |
| 90° | 0.6 | 0.6 | 0.6 | 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° | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 100° | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 102.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 |
| 105° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 107.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |



REPORT NUMBER: P157661

CATALOG NUMBER: VTS-E03-LED-E1-5XQ-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 |
| 112.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 |
| 115° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 |
| 117.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 |
| 120° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 |
| 122.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 125° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 127.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 130° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 132.5° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 135° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 137.5° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 140° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 142.5° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 145° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 147.5° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 150° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 152.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 155° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 157.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 160° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 162.5° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 165° | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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)