

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: P157672

Luminaire Tested: **VTS-E04-LED-E1-5XQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157672
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-E04-LED-E1-5XQ-7060
Description: VENTUS LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (84) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12980.4 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U1 - G3

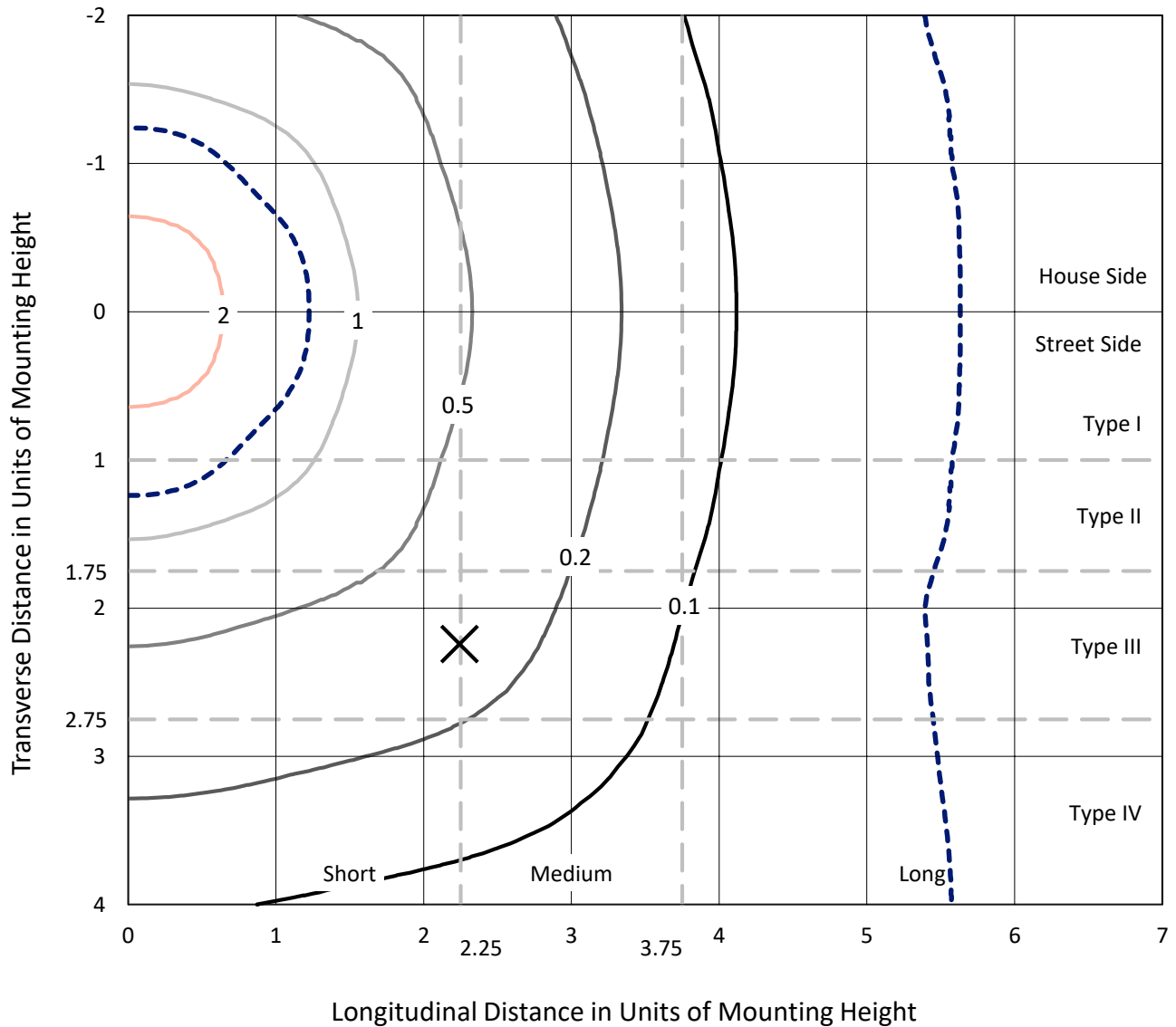
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

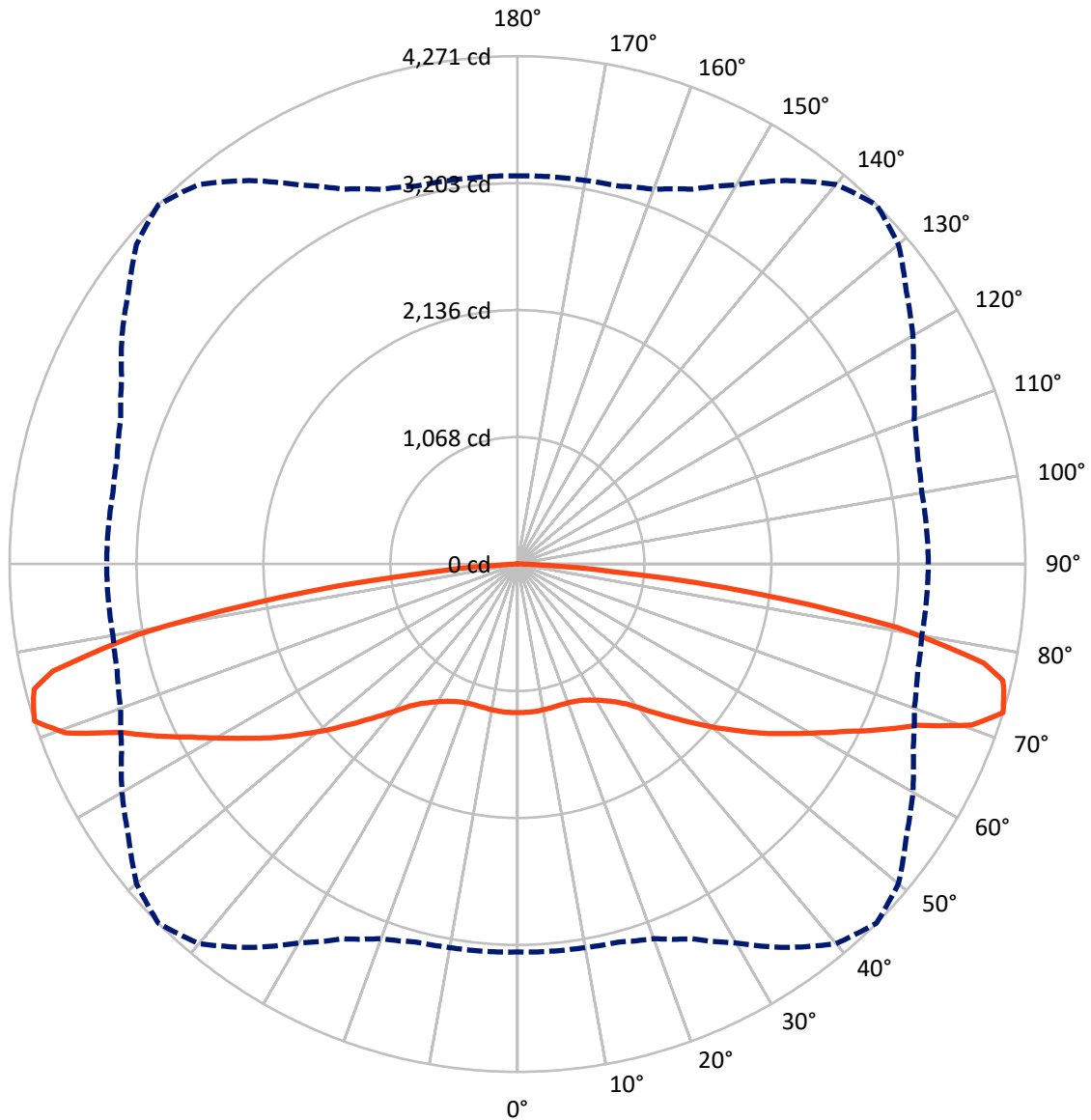
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.1 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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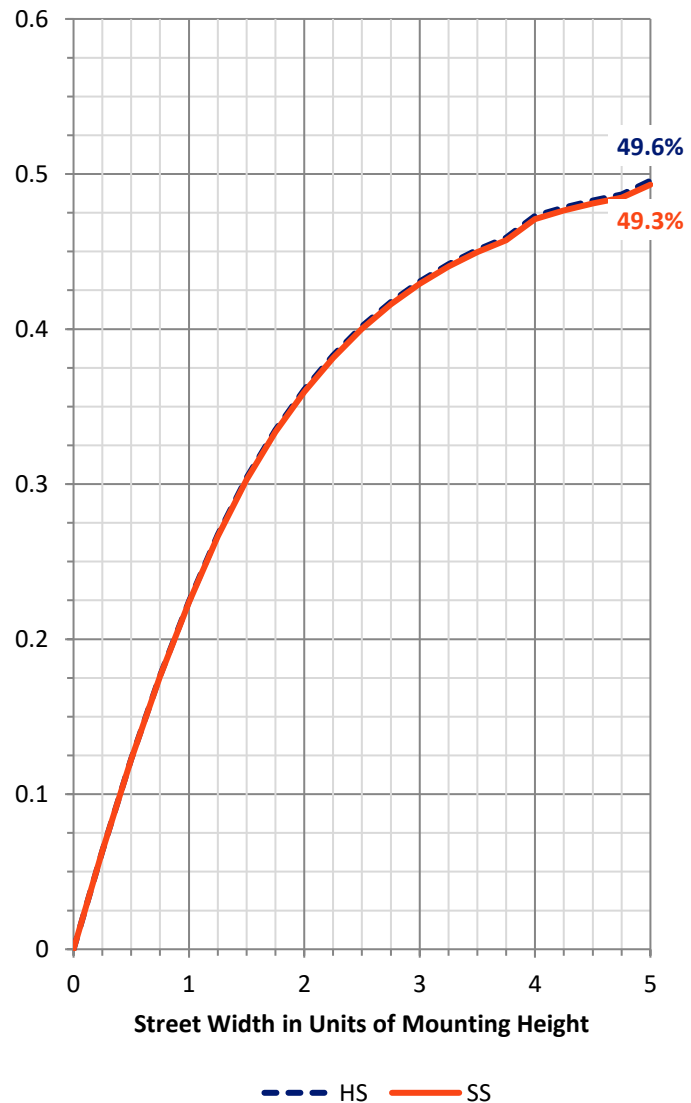
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6487.1 | 3.1 | 6490.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6487.1 | 3.1 | 6490.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12974.2 | 6.2 | 12980.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 119.2 | 0.9 |
| 10°-20° | 352.1 | 2.7 |
| 20°-30° | 588.7 | 4.5 |
| 30°-40° | 894.8 | 6.9 |
| 40°-50° | 1417.3 | 10.9 |
| 50°-60° | 2167.9 | 16.7 |
| 60°-70° | 3102.7 | 23.9 |
| 70°-80° | 3550.2 | 27.4 |
| 80°-90° | 781.4 | 6.0 |
| 90°-100° | 0.6 | 0.0 |
| 100°-110° | 1.3 | 0.0 |
| 110°-120° | 0.9 | 0.0 |
| 120°-130° | 1.0 | 0.0 |
| 130°-140° | 0.9 | 0.0 |
| 140°-150° | 0.7 | 0.0 |
| 150°-160° | 0.5 | 0.0 |
| 160°-170° | 0.2 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 12974.2 | 100.0 |
| 0°-180° | 12980.4 | 100.0 |



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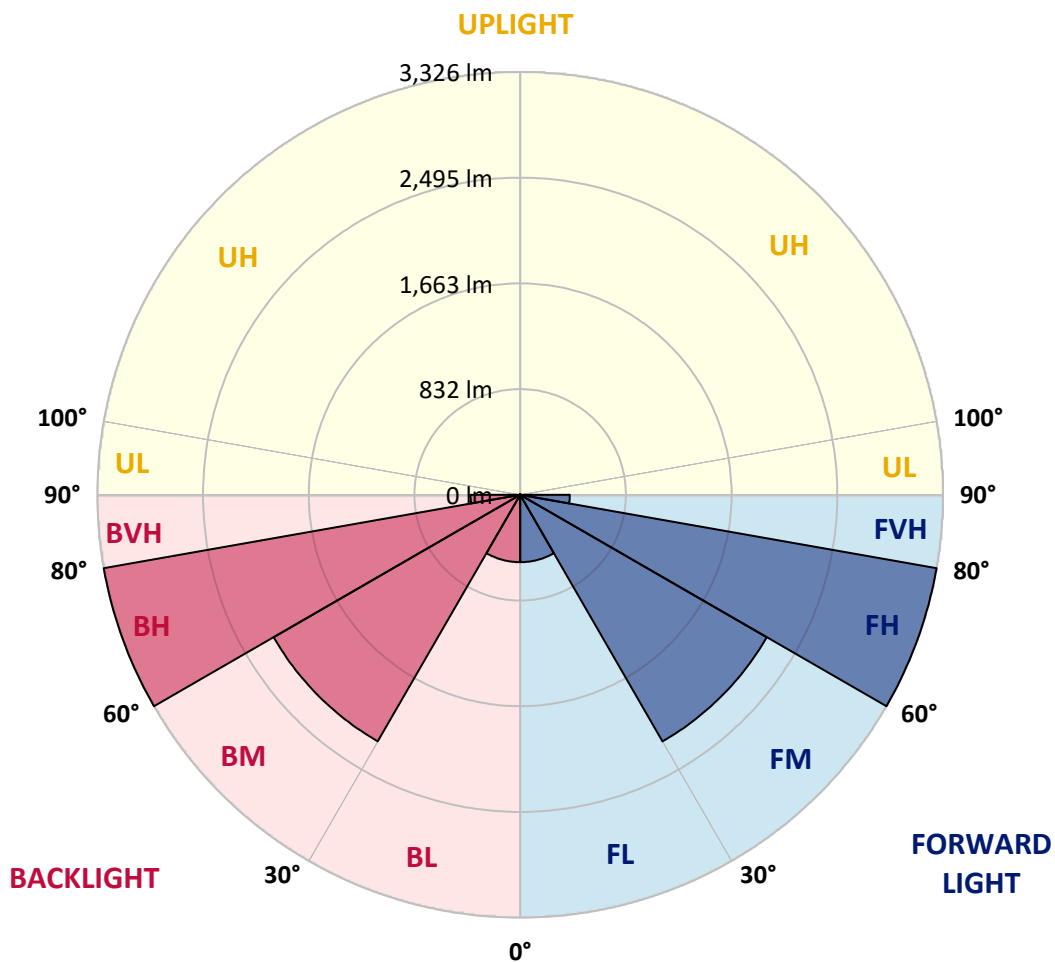
CATALOG NUMBER: VTS-E04-LED-E1-5XQ-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 530.0 | 4.1 | | | |
| FM | (30°-60°) | 2240.0 | 17.3 | | | |
| FH | (60°-80°) | 3326.4 | 25.6 | | | G2/5000 |
| FVH | (80°-90°) | 390.7 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 530.0 | 4.1 | B2/1000 | | |
| BM | (30°-60°) | 2240.0 | 17.3 | B2/2500 | | |
| BH | (60°-80°) | 3326.4 | 25.6 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 390.7 | 3.0 | | | G3/500 |
| UL | (90°-100°) | 0.6 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 3.1 | 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° | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |
| 2.5° | 1250.2 | 1248.6 | 1249.4 | 1251.0 | 1250.2 | 1250.2 | 1249.4 | 1249.4 | 1251.0 | 1249.4 | 1250.2 |
| 5° | 1251.0 | 1249.4 | 1250.2 | 1251.0 | 1250.2 | 1251.0 | 1250.2 | 1250.2 | 1250.2 | 1249.4 | 1251.0 |
| 7.5° | 1247.7 | 1247.7 | 1248.6 | 1248.6 | 1247.7 | 1248.6 | 1248.6 | 1248.6 | 1247.7 | 1247.7 | 1249.4 |
| 10° | 1246.1 | 1245.3 | 1245.3 | 1246.1 | 1245.3 | 1245.3 | 1246.1 | 1246.1 | 1244.5 | 1244.5 | 1246.1 |
| 12.5° | 1243.6 | 1242.8 | 1242.8 | 1242.8 | 1242.0 | 1242.0 | 1242.8 | 1242.8 | 1242.0 | 1241.2 | 1243.6 |
| 15° | 1242.0 | 1241.2 | 1241.2 | 1241.2 | 1239.5 | 1240.4 | 1240.4 | 1240.4 | 1239.5 | 1238.7 | 1241.2 |
| 17.5° | 1241.2 | 1240.4 | 1240.4 | 1240.4 | 1239.5 | 1239.5 | 1239.5 | 1239.5 | 1238.7 | 1238.7 | 1240.4 |
| 20° | 1242.8 | 1242.8 | 1242.8 | 1242.8 | 1242.0 | 1242.0 | 1242.0 | 1242.8 | 1242.8 | 1242.8 | 1244.5 |
| 22.5° | 1246.9 | 1246.9 | 1247.7 | 1248.6 | 1248.6 | 1250.2 | 1251.0 | 1251.8 | 1251.8 | 1252.7 | 1254.3 |
| 25° | 1257.6 | 1257.6 | 1258.4 | 1259.2 | 1261.7 | 1263.3 | 1266.6 | 1268.3 | 1269.1 | 1269.1 | 1269.9 |
| 27.5° | 1277.3 | 1278.1 | 1279.8 | 1281.4 | 1284.7 | 1287.1 | 1290.4 | 1293.7 | 1294.5 | 1295.4 | 1296.2 |
| 30° | 1301.9 | 1302.7 | 1306.0 | 1307.7 | 1311.8 | 1316.7 | 1320.8 | 1324.1 | 1326.5 | 1328.2 | 1327.4 |
| 32.5° | 1337.2 | 1338.9 | 1343.0 | 1345.4 | 1351.2 | 1356.1 | 1361.8 | 1366.8 | 1369.2 | 1371.7 | 1370.9 |
| 35° | 1386.5 | 1390.6 | 1394.7 | 1397.1 | 1402.9 | 1407.0 | 1414.4 | 1419.3 | 1424.2 | 1422.6 | 1423.4 |
| 37.5° | 1459.5 | 1462.8 | 1463.6 | 1465.3 | 1471.0 | 1474.3 | 1482.5 | 1489.1 | 1491.5 | 1493.2 | 1494.0 |
| 40° | 1558.0 | 1558.0 | 1562.1 | 1558.9 | 1566.2 | 1567.1 | 1576.9 | 1585.9 | 1588.4 | 1595.0 | 1590.1 |
| 42.5° | 1673.0 | 1672.1 | 1674.6 | 1672.1 | 1672.1 | 1680.4 | 1688.6 | 1705.0 | 1706.6 | 1714.8 | 1709.9 |
| 45° | 1797.7 | 1797.7 | 1795.3 | 1796.1 | 1797.7 | 1806.8 | 1816.6 | 1834.7 | 1842.9 | 1847.8 | 1844.5 |
| 47.5° | 1933.2 | 1929.9 | 1929.1 | 1928.3 | 1933.2 | 1943.0 | 1957.8 | 1975.0 | 1995.6 | 1997.2 | 1995.6 |
| 50° | 2070.3 | 2069.4 | 2063.7 | 2068.6 | 2071.9 | 2076.8 | 2104.7 | 2127.7 | 2149.1 | 2162.2 | 2158.1 |
| 52.5° | 2214.7 | 2207.4 | 2207.4 | 2207.4 | 2215.6 | 2231.2 | 2255.8 | 2287.0 | 2315.7 | 2329.7 | 2327.2 |
| 55° | 2360.9 | 2358.4 | 2351.0 | 2347.7 | 2358.4 | 2380.6 | 2415.9 | 2453.6 | 2491.4 | 2512.7 | 2504.5 |
| 57.5° | 2494.7 | 2490.6 | 2491.4 | 2492.2 | 2504.5 | 2534.1 | 2575.1 | 2625.2 | 2666.2 | 2689.2 | 2683.5 |
| 60° | 2599.7 | 2594.8 | 2603.8 | 2606.3 | 2628.5 | 2677.7 | 2743.4 | 2806.6 | 2860.8 | 2883.8 | 2874.7 |
| 62.5° | 2718.8 | 2715.5 | 2721.2 | 2720.4 | 2744.2 | 2799.2 | 2887.1 | 2988.0 | 3070.1 | 3099.7 | 3086.5 |
| 65° | 2910.9 | 2901.0 | 2898.5 | 2889.5 | 2905.1 | 2947.8 | 3035.6 | 3153.0 | 3284.4 | 3359.9 | 3341.8 |
| 67.5° | 3140.7 | 3138.2 | 3130.0 | 3125.1 | 3130.9 | 3184.2 | 3268.8 | 3382.0 | 3515.8 | 3620.1 | 3643.1 |
| 70° | 3292.6 | 3295.9 | 3304.1 | 3316.4 | 3364.0 | 3467.4 | 3621.7 | 3793.3 | 3977.2 | 4055.2 | 4041.2 |
| 72.5° | 3263.8 | 3268.8 | 3275.3 | 3290.9 | 3353.3 | 3477.3 | 3680.8 | 3937.0 | 4167.6 | 4271.1 | 4182.4 |
| 75° | 3123.5 | 3127.6 | 3142.3 | 3166.2 | 3242.5 | 3392.7 | 3611.9 | 3883.6 | 4121.7 | 4225.1 | 4132.3 |
| 76° | 2993.8 | 3006.9 | 3034.0 | 3061.9 | 3153.8 | 3317.2 | 3551.1 | 3840.9 | 4092.9 | 4198.0 | 4108.5 |
| 77.5° | 2699.9 | 2711.4 | 2733.5 | 2782.0 | 2886.2 | 3095.6 | 3368.9 | 3653.8 | 3916.4 | 4010.8 | 3935.3 |
| 80° | 2031.7 | 2041.5 | 2062.1 | 2120.3 | 2210.6 | 2340.3 | 2552.1 | 2830.4 | 3118.5 | 3242.5 | 3193.2 |
| 82.5° | 857.8 | 869.3 | 950.6 | 1035.1 | 1134.5 | 1274.8 | 1412.7 | 1659.0 | 1870.8 | 2012.0 | 1936.5 |
| 85° | 94.4 | 116.6 | 143.7 | 195.4 | 239.7 | 319.3 | 397.3 | 546.7 | 691.2 | 779.0 | 688.7 |
| 87.5° | 16.4 | 18.9 | 27.1 | 34.5 | 38.6 | 44.3 | 53.4 | 74.7 | 101.8 | 87.8 | 89.5 |
| 90° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.6 | 1.6 | 1.6 | 1.6 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 100° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| 102.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 105° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 107.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 1.6 | 0.8 |



REPORT NUMBER: P157672

CATALOG NUMBER: VTS-E04-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 112.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 115° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 117.5° | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 120° | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 122.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 125° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 127.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 130° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 132.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 135° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 137.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 140° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 142.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 145° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.8 |
| 147.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 150° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 |
| 155° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.8 |
| 157.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 160° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 165° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 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 |



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CATALOG NUMBER: VTS-E04-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 | 1249.4 |
| 2.5° | 1249.4 | 1249.4 | 1251.0 | 1250.2 | 1250.2 | 1251.0 | 1252.7 | 1251.8 |
| 5° | 1250.2 | 1251.0 | 1249.4 | 1250.2 | 1251.0 | 1251.0 | 1251.8 | 1251.0 |
| 7.5° | 1248.6 | 1248.6 | 1248.6 | 1249.4 | 1250.2 | 1249.4 | 1250.2 | 1250.2 |
| 10° | 1245.3 | 1246.1 | 1245.3 | 1246.9 | 1247.7 | 1247.7 | 1248.6 | 1248.6 |
| 12.5° | 1242.8 | 1242.8 | 1242.8 | 1244.5 | 1245.3 | 1245.3 | 1246.1 | 1245.3 |
| 15° | 1240.4 | 1240.4 | 1239.5 | 1241.2 | 1242.8 | 1242.8 | 1243.6 | 1243.6 |
| 17.5° | 1239.5 | 1239.5 | 1238.7 | 1240.4 | 1242.0 | 1242.0 | 1242.8 | 1242.8 |
| 20° | 1242.0 | 1242.8 | 1241.2 | 1242.8 | 1244.5 | 1245.3 | 1245.3 | 1245.3 |
| 22.5° | 1251.8 | 1251.0 | 1248.6 | 1249.4 | 1250.2 | 1250.2 | 1250.2 | 1250.2 |
| 25° | 1266.6 | 1265.0 | 1262.5 | 1261.7 | 1260.9 | 1260.1 | 1260.1 | 1260.1 |
| 27.5° | 1292.1 | 1289.6 | 1285.5 | 1284.7 | 1283.9 | 1282.2 | 1282.2 | 1282.2 |
| 30° | 1322.4 | 1319.2 | 1314.2 | 1312.6 | 1310.1 | 1308.5 | 1307.7 | 1306.8 |
| 32.5° | 1366.0 | 1359.4 | 1353.6 | 1349.5 | 1347.1 | 1342.1 | 1341.3 | 1339.7 |
| 35° | 1416.0 | 1411.1 | 1402.9 | 1400.4 | 1396.3 | 1393.9 | 1393.0 | 1388.9 |
| 37.5° | 1485.0 | 1479.2 | 1471.8 | 1470.2 | 1469.4 | 1466.9 | 1466.9 | 1466.1 |
| 40° | 1581.0 | 1575.3 | 1568.7 | 1562.1 | 1563.8 | 1564.6 | 1564.6 | 1561.3 |
| 42.5° | 1698.4 | 1689.4 | 1676.2 | 1680.4 | 1677.9 | 1674.6 | 1681.2 | 1677.1 |
| 45° | 1832.2 | 1819.9 | 1810.0 | 1805.9 | 1805.9 | 1801.8 | 1808.4 | 1808.4 |
| 47.5° | 1980.8 | 1961.1 | 1943.0 | 1943.9 | 1937.3 | 1938.9 | 1943.0 | 1948.8 |
| 50° | 2137.6 | 2111.3 | 2094.1 | 2085.9 | 2079.3 | 2081.8 | 2089.2 | 2090.8 |
| 52.5° | 2300.1 | 2268.1 | 2245.1 | 2232.8 | 2224.6 | 2227.9 | 2233.6 | 2238.6 |
| 55° | 2469.2 | 2433.9 | 2399.4 | 2386.3 | 2376.5 | 2383.0 | 2383.8 | 2390.4 |
| 57.5° | 2645.7 | 2597.3 | 2557.1 | 2537.4 | 2527.5 | 2534.1 | 2539.0 | 2545.6 |
| 60° | 2823.8 | 2768.0 | 2720.4 | 2697.4 | 2683.5 | 2692.5 | 2704.0 | 2707.3 |
| 62.5° | 3030.7 | 2953.5 | 2900.2 | 2867.3 | 2860.8 | 2869.8 | 2873.1 | 2882.9 |
| 65° | 3275.3 | 3182.6 | 3108.7 | 3068.5 | 3066.8 | 3071.7 | 3079.1 | 3081.6 |
| 67.5° | 3554.4 | 3451.0 | 3351.7 | 3311.4 | 3295.9 | 3310.6 | 3318.0 | 3327.9 |
| 70° | 3948.5 | 3806.4 | 3662.8 | 3573.3 | 3535.5 | 3524.1 | 3527.3 | 3538.0 |
| 72.5° | 3992.8 | 3840.1 | 3672.6 | 3551.1 | 3484.7 | 3454.3 | 3453.5 | 3455.1 |
| 75° | 3895.9 | 3652.1 | 3533.9 | 3394.4 | 3300.0 | 3250.7 | 3244.1 | 3243.3 |
| 76° | 3847.5 | 3559.4 | 3388.6 | 3277.8 | 3164.5 | 3114.4 | 3107.0 | 3102.9 |
| 77.5° | 3643.1 | 3333.6 | 3076.7 | 3009.4 | 2901.0 | 2837.8 | 2850.9 | 2840.3 |
| 80° | 2920.7 | 2613.7 | 2371.5 | 2181.9 | 2187.7 | 2141.7 | 2122.8 | 2117.1 |
| 82.5° | 1721.4 | 1469.4 | 1201.8 | 1045.0 | 895.6 | 856.2 | 737.2 | 710.1 |
| 85° | 550.0 | 389.9 | 236.4 | 171.6 | 116.6 | 97.7 | 76.3 | 69.8 |
| 87.5° | 73.1 | 57.5 | 46.8 | 45.1 | 41.0 | 35.3 | 23.0 | 16.4 |
| 90° | 0.8 | 0.8 | 0.8 | 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° | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 100° | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 102.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 105° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 107.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |



REPORT NUMBER: P157672

CATALOG NUMBER: VTS-E04-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| 112.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 |
| 115° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 |
| 117.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| 120° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| 122.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 125° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 127.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 130° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 132.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 135° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 137.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 140° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 142.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 145° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 147.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 150° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 152.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 155° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 160° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 162.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 165° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 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)