

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: P157671

Luminaire Tested: **VTS-E04-LED-E1-5XQ-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157671  
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-7050  
Description: VENTUS LED SITE LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (84) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

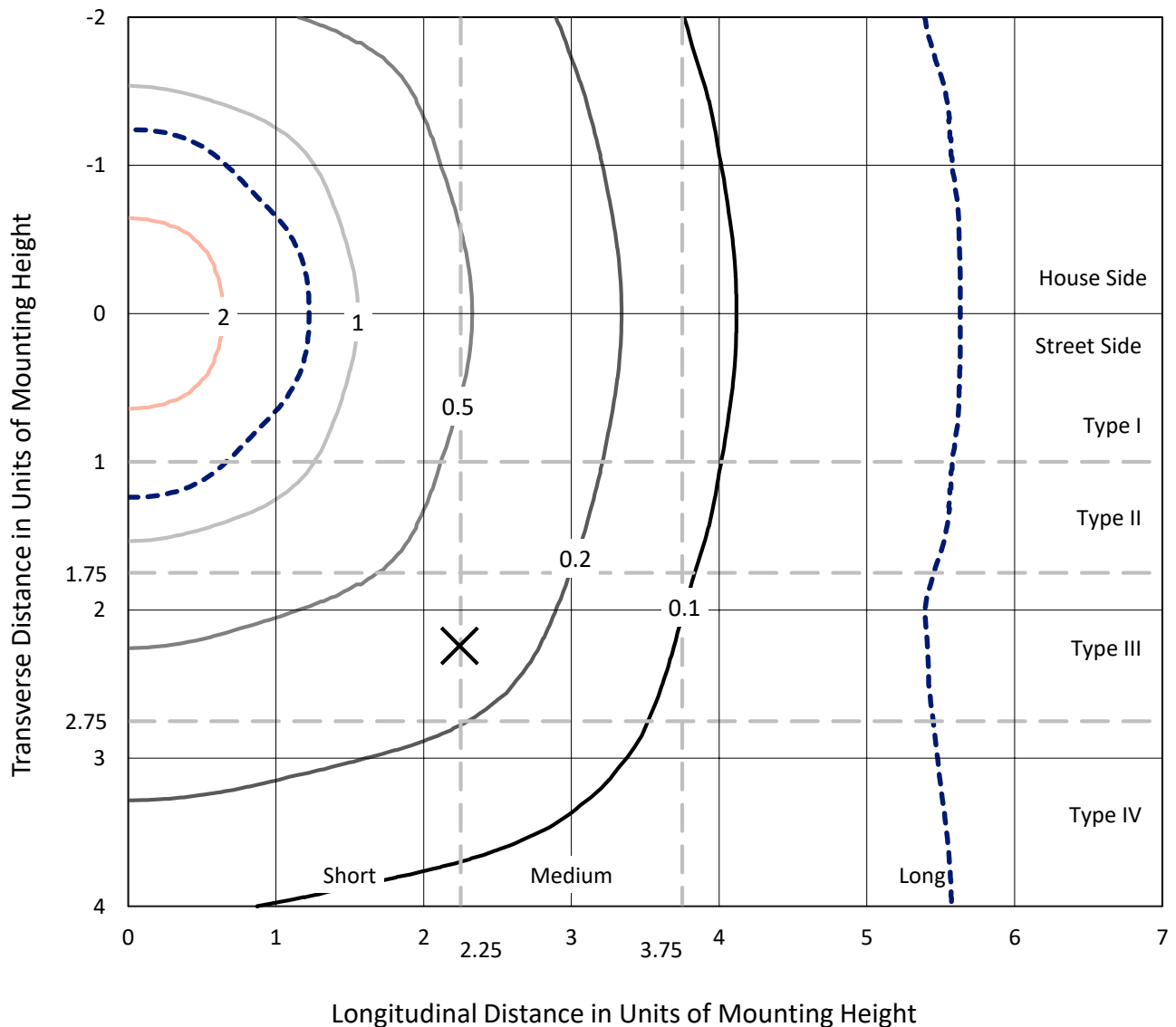
Lumens per Lamp: N/A  
Luminaire Lumens: 12980.4 lumens  
Efficiency: N/A  
Efficacy: 133.5 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U1 - G3

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

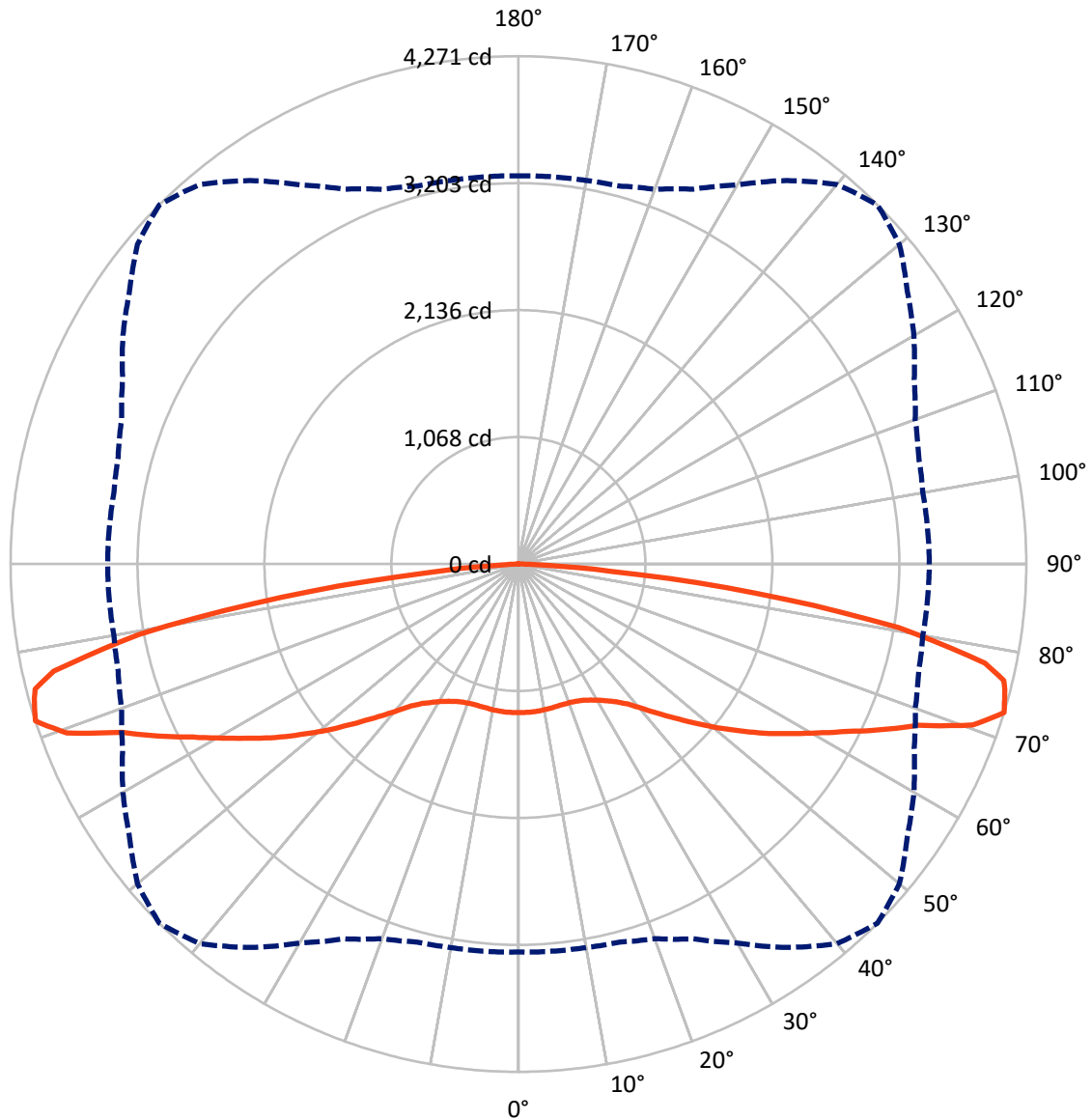
× Max cd  
 - - - 1/2 Max cd



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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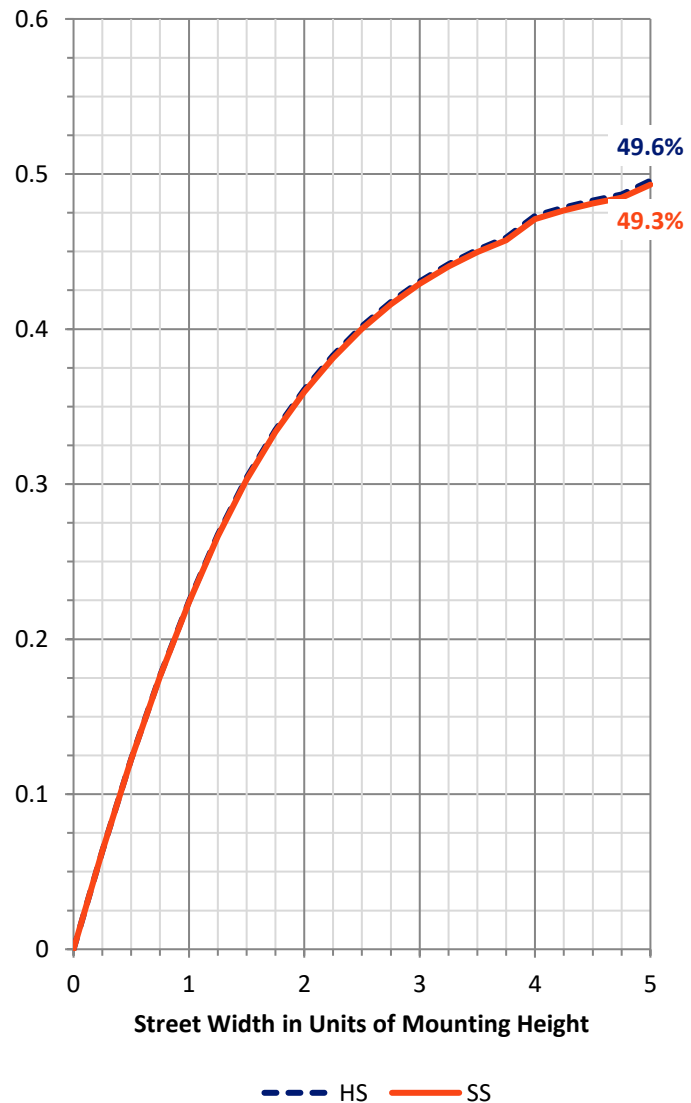
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6487.1   | 3.1    | 6490.2  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6487.1   | 3.1    | 6490.2  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | 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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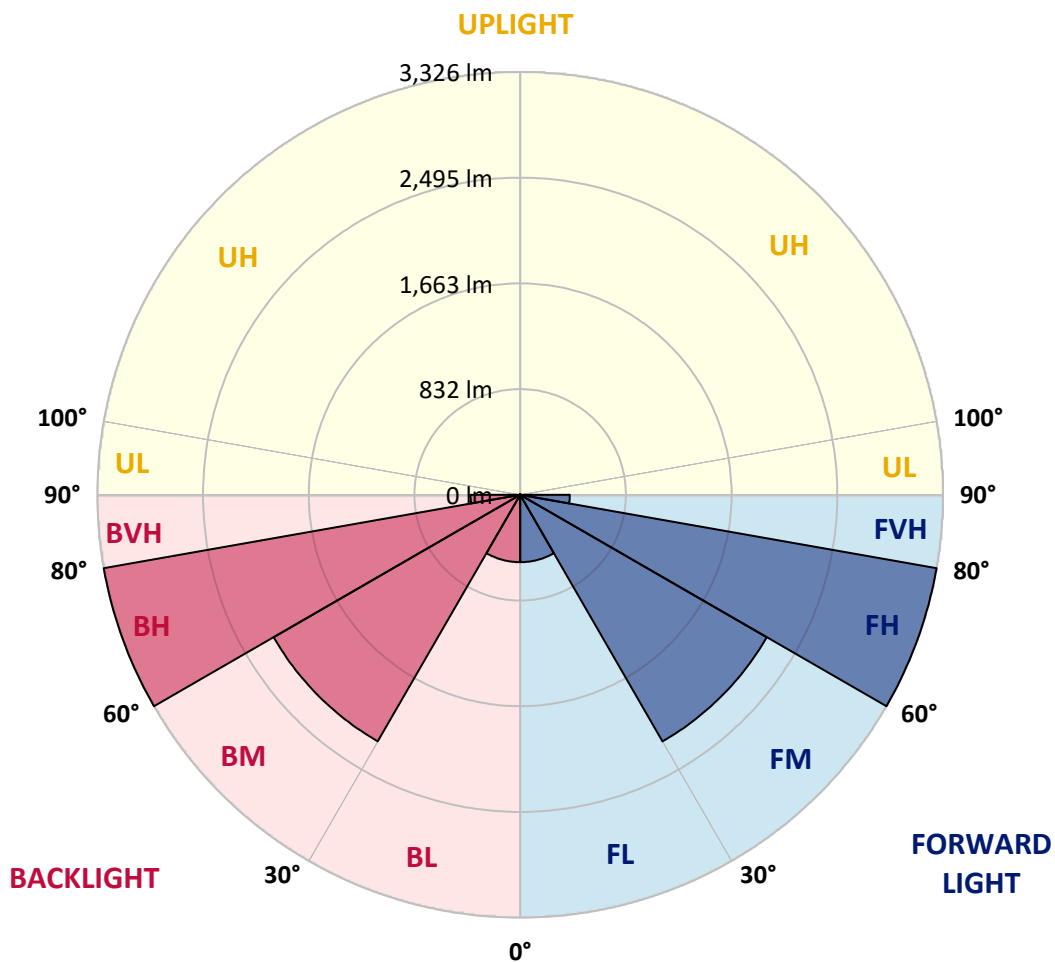
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| 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    |



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**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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**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: P157671

CATALOG NUMBER: VTS-E04-LED-E1-5XQ-7050

**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)