

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: P165387

Luminaire Tested: **VTS-E06-LED-E1-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P165387  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E06-LED-E1-SL4-HSS  
Description: VENTUS LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (126) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

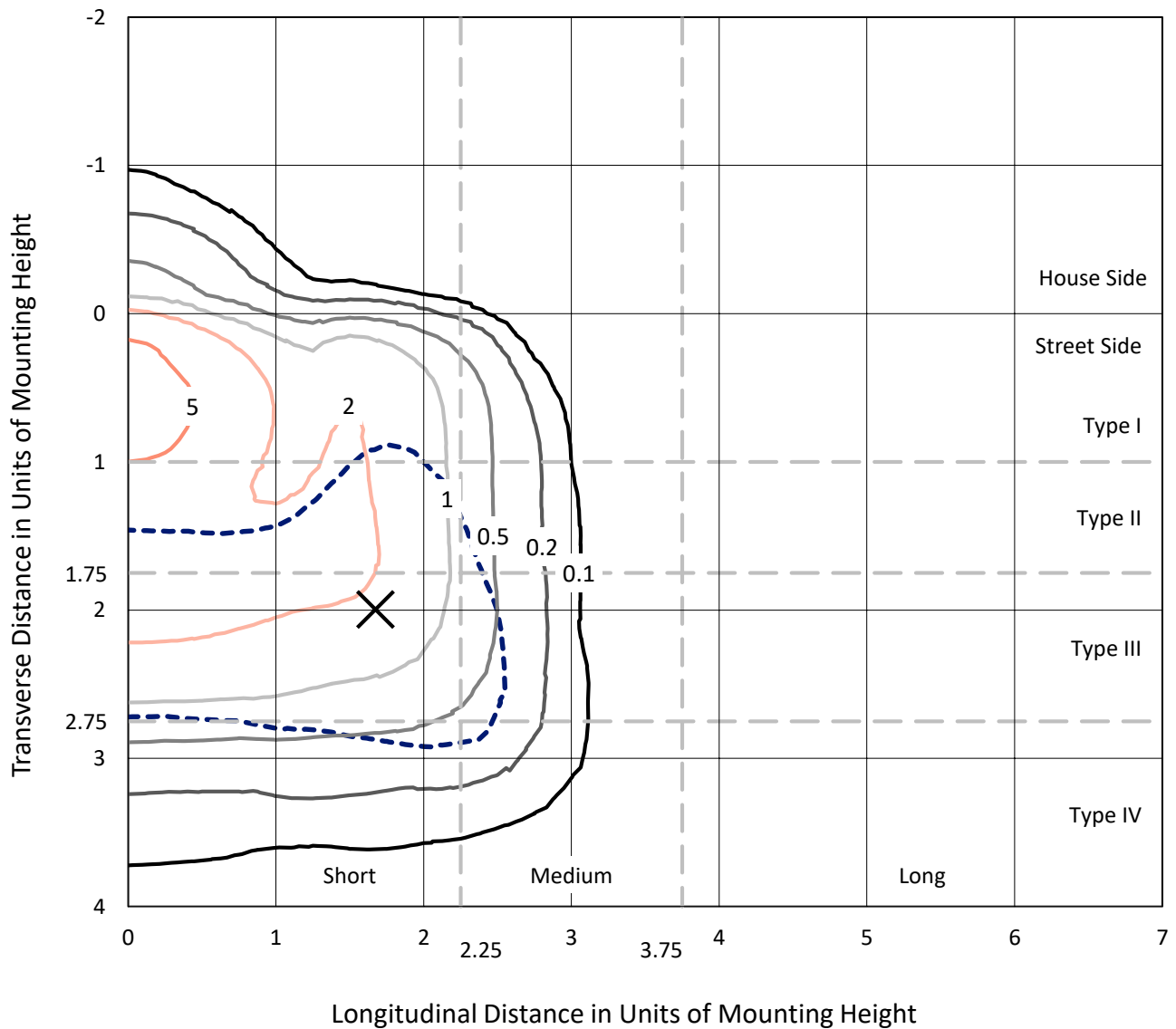
Lumens per Lamp: N/A  
Luminaire Lumens: 12062.9 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 150.5  
Input Voltage (V): NR  
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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

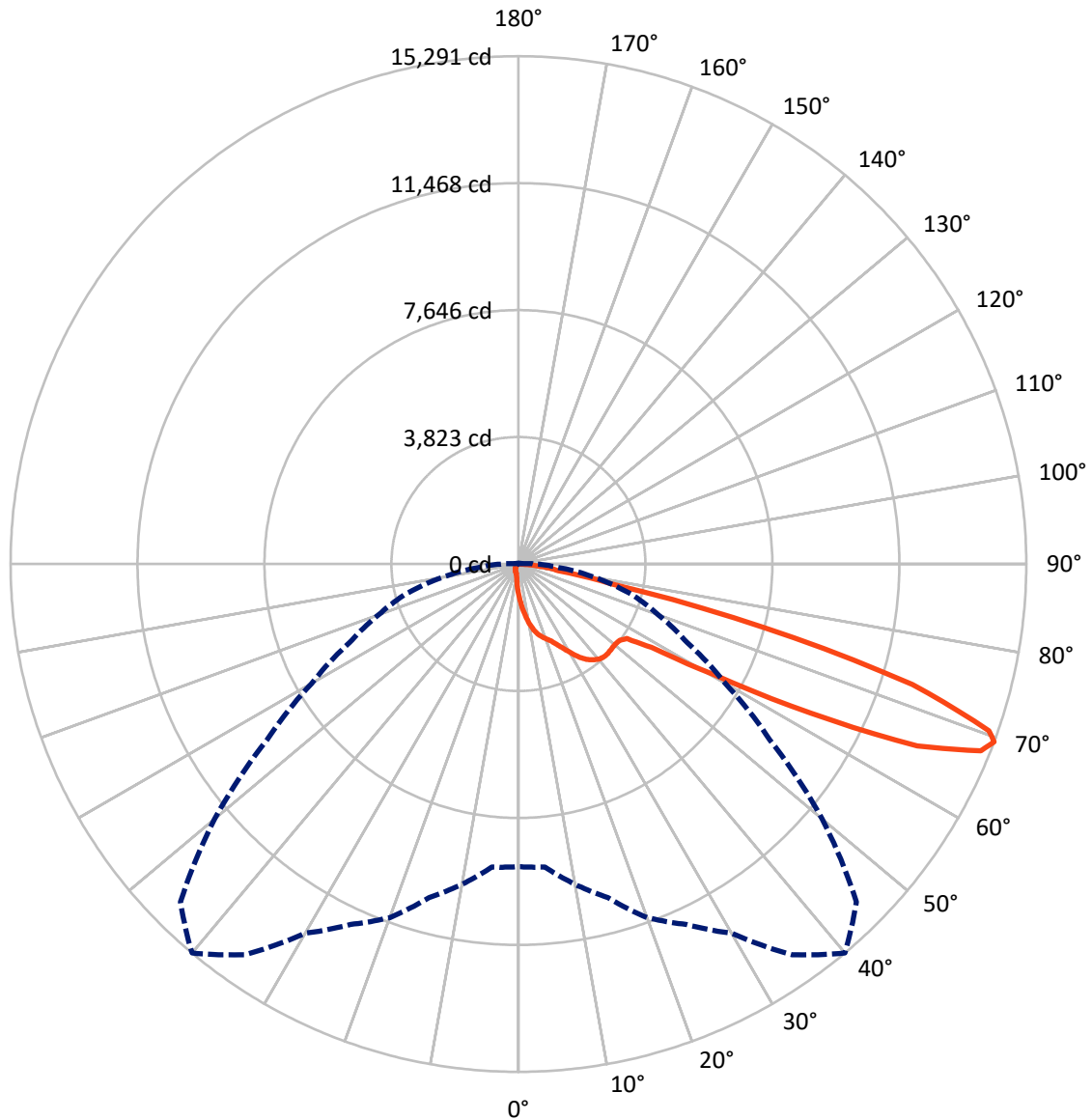


Based on 20 foot mounting height. Maximum calculated value = 6.7 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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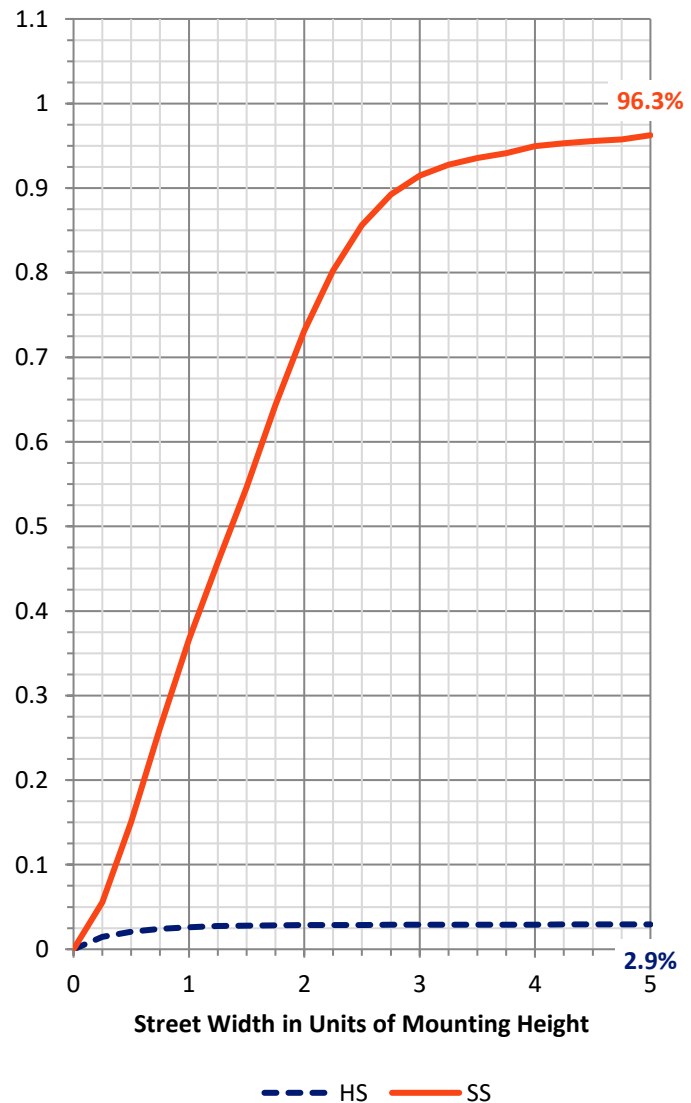
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 359.2    | 0.0    | 359.2   |
|                    | % Fixture | 3.0      | 0.0    | 3.0     |
| <b>Street Side</b> | Lumens    | 11703.7  | 0.0    | 11703.7 |
|                    | % Fixture | 97.0     | 0.0    | 97.0    |
| <b>Total</b>       | Lumens    | 12062.9  | 0.0    | 12062.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 93.6    | 0.8       |
| 10°-20°   | 322.8   | 2.7       |
| 20°-30°   | 617.9   | 5.1       |
| 30°-40°   | 1027.6  | 8.5       |
| 40°-50°   | 1390.4  | 11.5      |
| 50°-60°   | 2174.5  | 18.0      |
| 60°-70°   | 4470.7  | 37.1      |
| 70°-80°   | 1798.9  | 14.9      |
| 80°-90°   | 166.4   | 1.4       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 12062.9 | 100.0     |
| 0°-180°   | 12062.9 | 100.0     |



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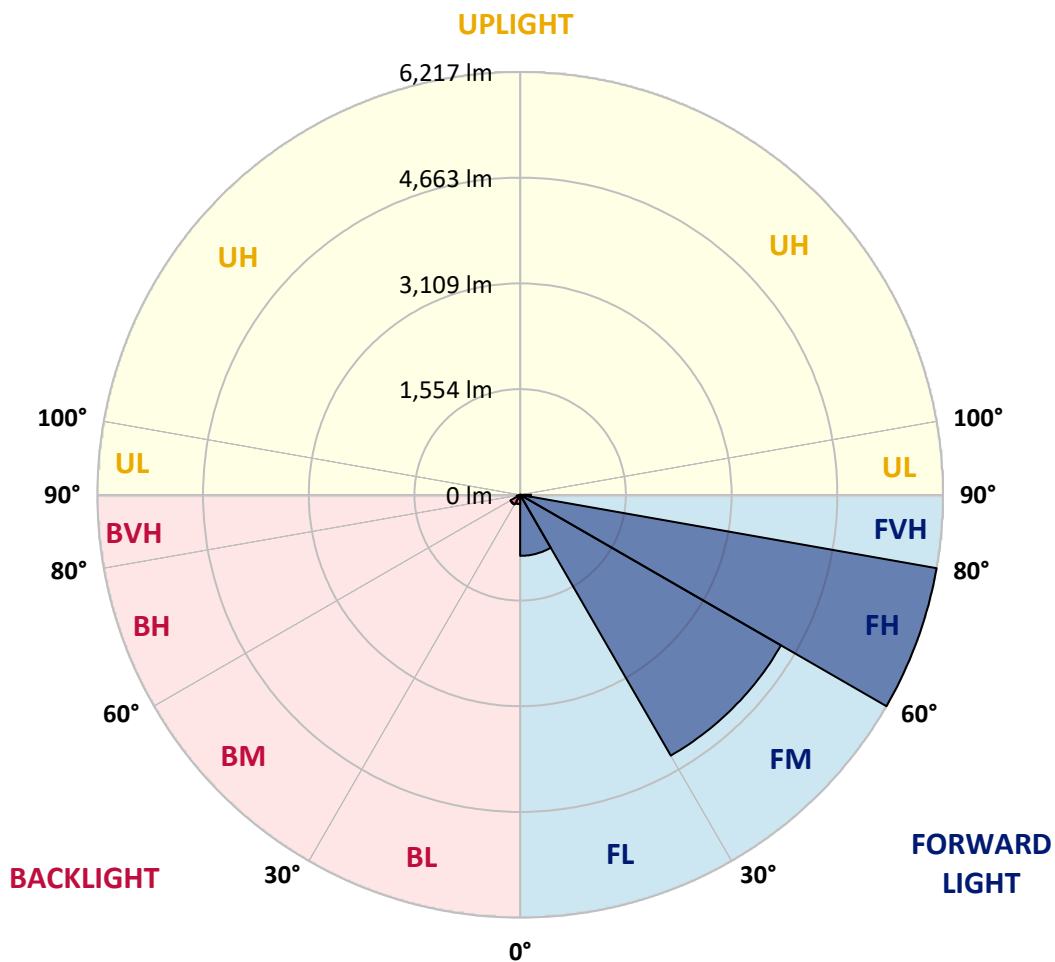
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 897.7  | 7.4       |                         |      |         |
| FM (30°-60°)   | 4428.5 | 36.7      |                         |      |         |
| FH (60°-80°)   | 6217.3 | 51.5      |                         |      | G3/7500 |
| FVH (80°-90°)  | 160.2  | 1.3       |                         |      | G2/225  |
| BL (0°-30°)    | 136.6  | 1.1       | B1/500                  |      |         |
| BM (30°-60°)   | 164.0  | 1.4       | B0/220                  |      |         |
| BH (60°-80°)   | 52.4   | 0.4       | B0/110                  |      | G0/110  |
| BVH (80°-90°)  | 6.2    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   | 911.0   |
| 2.5°  | 1215.4  | 1201.4  | 1185.6  | 1185.6  | 1165.9  | 1165.9  | 1154.0  | 1122.5  | 1118.5  | 1100.6  | 1082.9  |
| 5°    | 1551.2  | 1539.4  | 1519.7  | 1501.8  | 1486.1  | 1458.4  | 1438.6  | 1401.0  | 1359.6  | 1320.0  | 1284.5  |
| 7.5°  | 1879.3  | 1873.3  | 1837.8  | 1831.8  | 1806.1  | 1760.8  | 1721.2  | 1665.8  | 1594.7  | 1539.4  | 1474.2  |
| 10°   | 2183.6  | 2169.7  | 2161.8  | 2128.2  | 2090.8  | 2041.3  | 1980.0  | 1912.9  | 1829.9  | 1742.9  | 1650.0  |
| 12.5° | 2424.7  | 2416.8  | 2381.2  | 2367.4  | 2327.9  | 2278.4  | 2201.4  | 2114.4  | 2031.5  | 1918.8  | 1810.1  |
| 15°   | 2604.5  | 2590.7  | 2566.9  | 2545.2  | 2497.8  | 2454.4  | 2383.2  | 2288.3  | 2187.6  | 2065.1  | 1934.6  |
| 17.5° | 2754.7  | 2729.0  | 2723.0  | 2689.4  | 2640.1  | 2588.6  | 2509.7  | 2422.7  | 2304.1  | 2181.6  | 2039.3  |
| 20°   | 2956.2  | 2920.7  | 2908.8  | 2859.4  | 2802.1  | 2731.0  | 2640.1  | 2531.4  | 2406.8  | 2272.6  | 2126.3  |
| 22.5° | 3193.3  | 3167.6  | 3142.0  | 3098.5  | 3025.4  | 2924.6  | 2792.3  | 2673.7  | 2515.6  | 2367.4  | 2209.3  |
| 25°   | 3529.3  | 3507.6  | 3466.1  | 3406.8  | 3315.8  | 3195.4  | 3035.3  | 2861.4  | 2675.6  | 2485.9  | 2300.2  |
| 27.5° | 3855.4  | 3835.6  | 3805.9  | 3760.6  | 3657.7  | 3525.4  | 3327.7  | 3106.4  | 2871.2  | 2642.0  | 2436.5  |
| 30°   | 4161.7  | 4143.8  | 4114.2  | 4068.8  | 3977.9  | 3847.4  | 3624.1  | 3387.0  | 3094.6  | 2827.8  | 2580.8  |
| 32.5° | 4491.7  | 4485.7  | 4452.1  | 4387.0  | 4307.9  | 4132.1  | 3889.0  | 3634.1  | 3337.7  | 3029.4  | 2740.8  |
| 35°   | 4865.2  | 4819.7  | 4788.1  | 4722.8  | 4588.6  | 4400.8  | 4116.2  | 3837.6  | 3525.4  | 3209.2  | 2887.1  |
| 37.5° | 5181.4  | 5137.9  | 5098.3  | 5015.4  | 4851.4  | 4612.2  | 4290.1  | 3983.8  | 3661.7  | 3339.6  | 3011.5  |
| 40°   | 5412.5  | 5390.8  | 5343.4  | 5234.6  | 5050.9  | 4766.4  | 4418.5  | 4084.6  | 3760.6  | 3436.4  | 3112.3  |
| 42.5° | 5584.4  | 5550.8  | 5497.6  | 5384.9  | 5167.6  | 4843.4  | 4469.9  | 4126.1  | 3805.9  | 3495.7  | 3177.6  |
| 45°   | 5647.7  | 5620.1  | 5570.6  | 5448.1  | 5212.9  | 4865.2  | 4468.0  | 4114.2  | 3808.0  | 3513.5  | 3221.0  |
| 47.5° | 5610.1  | 5582.5  | 5539.0  | 5424.4  | 5193.2  | 4839.5  | 4432.4  | 4080.6  | 3788.2  | 3519.5  | 3260.5  |
| 50°   | 5485.7  | 5469.8  | 5436.2  | 5339.4  | 5131.9  | 4790.0  | 4400.8  | 4062.8  | 3784.2  | 3549.1  | 3315.8  |
| 52.5° | 5473.8  | 5464.0  | 5422.4  | 5325.6  | 5114.2  | 4774.2  | 4396.8  | 4072.8  | 3817.8  | 3586.7  | 3355.4  |
| 55°   | 6689.0  | 6548.8  | 6234.6  | 5967.8  | 5529.1  | 5007.5  | 4596.4  | 4232.8  | 3960.1  | 3734.9  | 3572.8  |
| 57.5° | 9507.0  | 9297.6  | 8884.6  | 8376.7  | 7368.8  | 6378.8  | 5586.5  | 5013.4  | 4730.8  | 4628.0  | 4689.2  |
| 60°   | 10827.0 | 10789.6 | 10724.3 | 10483.2 | 9967.4  | 9115.8  | 8167.2  | 7141.7  | 6730.6  | 6695.0  | 6819.5  |
| 62.5° | 11453.5 | 11429.8 | 11449.6 | 11419.9 | 11259.8 | 11010.8 | 10738.1 | 10295.5 | 9888.4  | 9625.6  | 9068.3  |
| 65°   | 11742.0 | 11757.8 | 11870.4 | 11959.3 | 11979.1 | 12044.3 | 12244.0 | 12795.2 | 13198.3 | 12520.6 | 10973.3 |
| 67.5° | 11008.8 | 11101.7 | 11360.6 | 11684.6 | 12064.1 | 12431.6 | 13024.4 | 14186.4 | 15014.4 | 14218.1 | 12020.6 |
| 69°   | 9113.8  | 9159.2  | 9791.5  | 10402.2 | 11329.0 | 11977.2 | 12836.8 | 14360.3 | 15291.1 | 14392.0 | 11937.6 |
| 70°   | 7175.2  | 7216.7  | 7894.6  | 8724.5  | 10291.6 | 11125.4 | 12249.8 | 14065.9 | 15032.2 | 14160.7 | 11510.8 |
| 72.5° | 3236.9  | 3177.6  | 3416.6  | 3861.2  | 5564.6  | 6888.7  | 8854.9  | 11396.2 | 12402.0 | 11344.8 | 8611.8  |
| 75°   | 2260.7  | 2235.0  | 2260.7  | 2262.6  | 2527.4  | 3260.5  | 4114.2  | 6177.2  | 7639.6  | 6592.3  | 4114.2  |
| 77.5° | 1750.8  | 1733.0  | 1715.3  | 1695.5  | 1727.2  | 1934.6  | 2017.6  | 2191.4  | 2845.6  | 2691.5  | 1569.0  |
| 80°   | 1385.3  | 1369.4  | 1412.9  | 1399.1  | 1399.1  | 1422.8  | 1407.0  | 1341.7  | 1219.2  | 1130.3  | 1011.7  |
| 82.5° | 644.2   | 648.1   | 648.1   | 703.4   | 847.8   | 990.0   | 1035.5  | 970.3   | 861.6   | 733.1   | 590.9   |
| 85°   | 61.2    | 69.1    | 116.6   | 179.9   | 357.7   | 403.1   | 405.1   | 335.9   | 335.9   | 264.8   | 213.4   |
| 87.5° | 0.0     | 1.9     | 1.9     | 1.9     | 17.8    | 49.4    | 41.5    | 11.9    | 5.9     | 5.9     | 9.8     |
| 90°   | 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°    | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 911.0  | 911.0  | 911.0  | 911.0  | 911.0  | 911.0  | 911.0  | 911.0  | 911.0 | 911.0 | 911.0 |
| 2.5°  | 1051.3 | 1045.3 | 1021.7 | 997.9  | 976.2  | 952.4  | 930.7  | 909.0  | 885.2 | 867.5 | 845.8 |
| 5°    | 1229.2 | 1185.6 | 1136.3 | 1088.9 | 1041.4 | 992.0  | 940.7  | 895.2  | 847.8 | 804.2 | 762.7 |
| 7.5°  | 1408.9 | 1324.0 | 1256.8 | 1171.8 | 1094.8 | 1017.7 | 946.6  | 873.5  | 806.3 | 743.0 | 683.8 |
| 10°   | 1561.1 | 1458.4 | 1353.6 | 1245.0 | 1134.2 | 1031.5 | 932.8  | 845.8  | 756.8 | 679.8 | 606.7 |
| 12.5° | 1685.6 | 1555.2 | 1426.8 | 1290.4 | 1165.9 | 1035.5 | 913.0  | 808.2  | 703.4 | 616.6 | 541.4 |
| 15°   | 1798.2 | 1648.1 | 1493.9 | 1335.8 | 1177.8 | 1029.6 | 893.2  | 762.7  | 656.0 | 557.3 | 472.3 |
| 17.5° | 1889.2 | 1717.2 | 1543.3 | 1365.5 | 1195.6 | 1021.7 | 867.5  | 731.2  | 606.7 | 503.9 | 421.0 |
| 20°   | 1968.2 | 1788.4 | 1600.7 | 1401.0 | 1207.4 | 1019.6 | 845.8  | 691.7  | 563.2 | 454.6 | 373.4 |
| 22.5° | 2041.3 | 1861.4 | 1660.0 | 1446.5 | 1225.2 | 1017.7 | 826.0  | 662.0  | 525.6 | 417.0 | 335.9 |
| 25°   | 2124.4 | 1934.6 | 1723.2 | 1493.9 | 1256.8 | 1025.6 | 814.2  | 638.3  | 492.0 | 381.4 | 306.2 |
| 27.5° | 2217.2 | 2017.6 | 1798.2 | 1553.2 | 1298.3 | 1041.4 | 810.2  | 612.6  | 462.4 | 347.8 | 282.6 |
| 30°   | 2347.6 | 2116.4 | 1873.3 | 1612.4 | 1335.8 | 1059.2 | 806.3  | 596.8  | 432.7 | 322.1 | 258.8 |
| 32.5° | 2462.3 | 2213.3 | 1956.4 | 1673.8 | 1377.4 | 1077.0 | 804.2  | 575.0  | 405.1 | 296.4 | 241.1 |
| 35°   | 2582.8 | 2302.2 | 2027.5 | 1733.0 | 1412.9 | 1096.7 | 802.3  | 559.2  | 379.4 | 270.7 | 223.3 |
| 37.5° | 2687.5 | 2377.2 | 2082.8 | 1784.4 | 1452.5 | 1114.6 | 804.2  | 545.4  | 355.7 | 249.0 | 207.5 |
| 40°   | 2776.4 | 2454.4 | 2144.0 | 1831.8 | 1493.9 | 1142.2 | 806.3  | 531.6  | 332.0 | 229.2 | 193.7 |
| 42.5° | 2855.5 | 2527.4 | 2209.3 | 1885.2 | 1541.4 | 1173.8 | 818.2  | 519.7  | 312.2 | 211.4 | 179.9 |
| 45°   | 2916.7 | 2594.6 | 2280.4 | 1960.3 | 1618.4 | 1225.2 | 839.9  | 511.8  | 292.4 | 195.6 | 168.0 |
| 47.5° | 2980.0 | 2693.4 | 2401.0 | 2078.9 | 1731.1 | 1306.2 | 877.4  | 509.9  | 276.6 | 183.7 | 158.0 |
| 50°   | 3067.0 | 2792.3 | 2507.6 | 2199.4 | 1833.8 | 1389.2 | 922.8  | 511.8  | 256.9 | 172.0 | 148.2 |
| 52.5° | 3130.2 | 2893.0 | 2646.0 | 2408.9 | 2078.9 | 1642.1 | 1098.7 | 547.3  | 247.0 | 162.0 | 136.3 |
| 55°   | 3503.6 | 3462.1 | 3468.0 | 3507.6 | 3252.7 | 2794.2 | 1837.8 | 790.4  | 290.5 | 183.7 | 134.4 |
| 57.5° | 4940.3 | 5086.4 | 5171.4 | 5169.5 | 4748.5 | 3938.4 | 2468.2 | 1015.7 | 324.1 | 213.4 | 160.1 |
| 60°   | 6829.4 | 6718.8 | 6562.7 | 6177.2 | 5618.0 | 4495.7 | 2760.6 | 1092.8 | 280.6 | 169.9 | 146.3 |
| 62.5° | 8499.2 | 7851.0 | 7276.0 | 6651.6 | 5918.4 | 4689.2 | 2819.9 | 1086.8 | 245.0 | 128.4 | 102.7 |
| 65°   | 9540.6 | 8374.7 | 7446.0 | 6663.4 | 5799.8 | 4527.2 | 2667.7 | 997.9  | 207.5 | 104.8 | 85.0  |
| 67.5° | 9789.6 | 8092.1 | 6778.1 | 5780.0 | 4845.4 | 3523.4 | 1958.3 | 751.0  | 162.0 | 87.0  | 75.1  |
| 69°   | 9246.1 | 7193.0 | 5616.1 | 4483.8 | 3525.4 | 2337.7 | 1211.4 | 474.2  | 124.4 | 79.1  | 69.1  |
| 70°   | 8505.1 | 6256.3 | 4574.6 | 3598.4 | 2610.5 | 1642.1 | 847.8  | 334.0  | 100.8 | 73.1  | 63.2  |
| 72.5° | 5471.9 | 3286.2 | 2248.8 | 1565.0 | 1077.0 | 654.1  | 332.0  | 150.2  | 77.0  | 61.2  | 51.4  |
| 75°   | 2122.3 | 1215.4 | 881.4  | 669.8  | 523.7  | 363.6  | 201.6  | 96.8   | 65.2  | 51.4  | 39.5  |
| 77.5° | 1045.3 | 800.3  | 654.1  | 448.6  | 260.9  | 162.0  | 108.7  | 75.1   | 53.4  | 37.6  | 25.7  |
| 80°   | 826.0  | 549.4  | 328.1  | 203.5  | 154.1  | 116.6  | 83.0   | 61.2   | 39.5  | 23.8  | 17.8  |
| 82.5° | 422.9  | 231.2  | 169.9  | 138.4  | 114.6  | 91.0   | 67.2   | 43.4   | 25.7  | 15.8  | 13.8  |
| 85°   | 132.4  | 96.8   | 87.0   | 85.0   | 79.1   | 65.2   | 47.4   | 27.7   | 15.8  | 9.8   | 9.8   |
| 87.5° | 9.8    | 13.8   | 17.8   | 13.8   | 15.8   | 13.8   | 17.8   | 11.9   | 7.9   | 7.9   | 5.9   |
| 90°   | 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 | 911.0 |
| 2.5°  | 829.9 | 806.3 | 784.6 | 770.6 | 745.0 | 735.1 | 725.3 | 721.3 | 703.4 | 707.4 | 691.7 |
| 5°    | 725.3 | 683.8 | 652.1 | 620.5 | 590.9 | 569.2 | 551.3 | 529.6 | 511.8 | 503.9 | 488.0 |
| 7.5°  | 630.4 | 577.1 | 535.6 | 502.0 | 466.3 | 438.7 | 415.0 | 399.1 | 383.4 | 367.6 | 359.6 |
| 10°   | 547.3 | 490.1 | 442.7 | 409.1 | 375.5 | 351.7 | 334.0 | 322.1 | 312.2 | 306.2 | 304.3 |
| 12.5° | 470.3 | 415.0 | 371.5 | 341.9 | 316.2 | 304.3 | 296.4 | 290.5 | 288.5 | 286.6 | 286.6 |
| 15°   | 411.0 | 355.7 | 322.1 | 300.4 | 288.5 | 282.6 | 280.6 | 276.6 | 272.8 | 270.7 | 270.7 |
| 17.5° | 355.7 | 314.2 | 290.5 | 278.6 | 272.8 | 268.8 | 264.8 | 260.9 | 256.9 | 254.9 | 254.9 |
| 20°   | 318.1 | 284.5 | 272.8 | 264.8 | 258.8 | 254.9 | 249.0 | 245.0 | 243.1 | 241.1 | 239.2 |
| 22.5° | 288.5 | 266.8 | 258.8 | 253.0 | 245.0 | 239.2 | 235.2 | 231.2 | 227.3 | 225.2 | 223.3 |
| 25°   | 266.8 | 253.0 | 247.0 | 239.2 | 231.2 | 225.2 | 219.4 | 213.4 | 209.5 | 207.5 | 203.5 |
| 27.5° | 250.9 | 241.1 | 233.2 | 223.3 | 215.4 | 209.5 | 203.5 | 197.6 | 193.7 | 189.7 | 187.7 |
| 30°   | 237.1 | 227.3 | 217.3 | 209.5 | 199.6 | 193.7 | 185.8 | 179.9 | 177.8 | 173.9 | 169.9 |
| 32.5° | 223.3 | 213.4 | 203.5 | 193.7 | 183.7 | 175.9 | 172.0 | 164.0 | 160.1 | 158.0 | 154.1 |
| 35°   | 207.5 | 197.6 | 185.8 | 177.8 | 168.0 | 160.1 | 154.1 | 148.2 | 144.2 | 140.3 | 138.4 |
| 37.5° | 193.7 | 181.8 | 169.9 | 160.1 | 152.2 | 144.2 | 138.4 | 132.4 | 128.4 | 124.4 | 122.5 |
| 40°   | 177.8 | 166.0 | 154.1 | 144.2 | 136.3 | 130.4 | 124.4 | 118.6 | 114.6 | 112.7 | 112.7 |
| 42.5° | 164.0 | 150.2 | 138.4 | 130.4 | 124.4 | 116.6 | 110.6 | 104.8 | 102.7 | 100.8 | 102.7 |
| 45°   | 150.2 | 136.3 | 126.5 | 118.6 | 112.7 | 104.8 | 98.8  | 94.8  | 92.9  | 94.8  | 96.8  |
| 47.5° | 138.4 | 124.4 | 114.6 | 108.7 | 102.7 | 96.8  | 91.0  | 87.0  | 87.0  | 91.0  | 94.8  |
| 50°   | 126.5 | 112.7 | 104.8 | 100.8 | 94.8  | 88.9  | 81.0  | 79.1  | 81.0  | 85.0  | 88.9  |
| 52.5° | 114.6 | 98.8  | 92.9  | 91.0  | 85.0  | 79.1  | 73.1  | 71.2  | 73.1  | 77.0  | 75.1  |
| 55°   | 102.7 | 87.0  | 85.0  | 83.0  | 77.0  | 69.1  | 63.2  | 63.2  | 63.2  | 61.2  | 57.4  |
| 57.5° | 98.8  | 77.0  | 75.1  | 73.1  | 67.2  | 59.3  | 55.3  | 51.4  | 49.4  | 43.4  | 41.5  |
| 60°   | 102.7 | 69.1  | 69.1  | 65.2  | 59.3  | 51.4  | 45.5  | 39.5  | 35.5  | 31.6  | 31.6  |
| 62.5° | 83.0  | 63.2  | 61.2  | 57.4  | 49.4  | 41.5  | 35.5  | 29.6  | 27.7  | 25.7  | 25.7  |
| 65°   | 67.2  | 57.4  | 53.4  | 47.4  | 41.5  | 33.6  | 27.7  | 23.8  | 21.7  | 21.7  | 23.8  |
| 67.5° | 61.2  | 51.4  | 45.5  | 39.5  | 33.6  | 25.7  | 21.7  | 19.8  | 19.8  | 21.7  | 21.7  |
| 69°   | 57.4  | 47.4  | 41.5  | 35.5  | 29.6  | 23.8  | 19.8  | 19.8  | 19.8  | 19.8  | 21.7  |
| 70°   | 53.4  | 45.5  | 39.5  | 33.6  | 25.7  | 19.8  | 17.8  | 17.8  | 19.8  | 19.8  | 21.7  |
| 72.5° | 41.5  | 35.5  | 33.6  | 27.7  | 19.8  | 17.8  | 15.8  | 17.8  | 17.8  | 19.8  | 19.8  |
| 75°   | 31.6  | 25.7  | 25.7  | 21.7  | 15.8  | 13.8  | 13.8  | 15.8  | 15.8  | 17.8  | 17.8  |
| 77.5° | 21.7  | 17.8  | 17.8  | 15.8  | 13.8  | 11.9  | 11.9  | 13.8  | 15.8  | 15.8  | 17.8  |
| 80°   | 15.8  | 13.8  | 11.9  | 13.8  | 11.9  | 9.8   | 11.9  | 13.8  | 13.8  | 15.8  | 15.8  |
| 82.5° | 11.9  | 11.9  | 11.9  | 11.9  | 9.8   | 9.8   | 11.9  | 11.9  | 13.8  | 15.8  | 15.8  |
| 85°   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 11.9  | 11.9  | 13.8  | 13.8  |
| 87.5° | 5.9   | 5.9   | 5.9   | 7.9   | 7.9   | 9.8   | 9.8   | 9.8   | 9.8   | 11.9  | 11.9  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P165387

CATALOG NUMBER: VTS-E06-LED-E1-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 911.0 | 911.0 | 911.0 | 911.0 |
| 2.5°  | 687.7 | 685.7 | 677.8 | 679.8 |
| 5°    | 482.2 | 470.3 | 478.2 | 476.3 |
| 7.5°  | 353.8 | 351.7 | 349.8 | 353.8 |
| 10°   | 302.4 | 302.4 | 300.4 | 302.4 |
| 12.5° | 284.5 | 284.5 | 284.5 | 284.5 |
| 15°   | 270.7 | 270.7 | 268.8 | 268.8 |
| 17.5° | 254.9 | 254.9 | 254.9 | 253.0 |
| 20°   | 239.2 | 237.1 | 237.1 | 237.1 |
| 22.5° | 221.3 | 219.4 | 219.4 | 219.4 |
| 25°   | 203.5 | 201.6 | 201.6 | 201.6 |
| 27.5° | 185.8 | 183.7 | 181.8 | 181.8 |
| 30°   | 168.0 | 166.0 | 164.0 | 164.0 |
| 32.5° | 150.2 | 148.2 | 146.3 | 146.3 |
| 35°   | 134.4 | 134.4 | 132.4 | 130.4 |
| 37.5° | 120.6 | 120.6 | 120.6 | 120.6 |
| 40°   | 110.6 | 112.7 | 112.7 | 112.7 |
| 42.5° | 104.8 | 106.7 | 108.7 | 110.6 |
| 45°   | 100.8 | 104.8 | 106.7 | 106.7 |
| 47.5° | 98.8  | 100.8 | 102.7 | 102.7 |
| 50°   | 91.0  | 88.9  | 88.9  | 88.9  |
| 52.5° | 73.1  | 69.1  | 67.2  | 65.2  |
| 55°   | 53.4  | 51.4  | 47.4  | 47.4  |
| 57.5° | 37.6  | 37.6  | 35.5  | 35.5  |
| 60°   | 29.6  | 29.6  | 27.7  | 29.6  |
| 62.5° | 25.7  | 25.7  | 25.7  | 25.7  |
| 65°   | 23.8  | 23.8  | 23.8  | 23.8  |
| 67.5° | 23.8  | 23.8  | 23.8  | 23.8  |
| 69°   | 21.7  | 21.7  | 21.7  | 21.7  |
| 70°   | 21.7  | 21.7  | 21.7  | 21.7  |
| 72.5° | 19.8  | 19.8  | 19.8  | 19.8  |
| 75°   | 17.8  | 19.8  | 19.8  | 19.8  |
| 77.5° | 17.8  | 17.8  | 17.8  | 17.8  |
| 80°   | 15.8  | 15.8  | 17.8  | 17.8  |
| 82.5° | 15.8  | 15.8  | 15.8  | 15.8  |
| 85°   | 13.8  | 13.8  | 15.8  | 15.8  |
| 87.5° | 11.9  | 11.9  | 13.8  | 13.8  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)