

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: P165358

Luminaire Tested: **VTS-E03-LED-E1-SL4-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P165358  
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-E03-LED-E1-SL4-HSS-7050  
Description: VENTUS LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

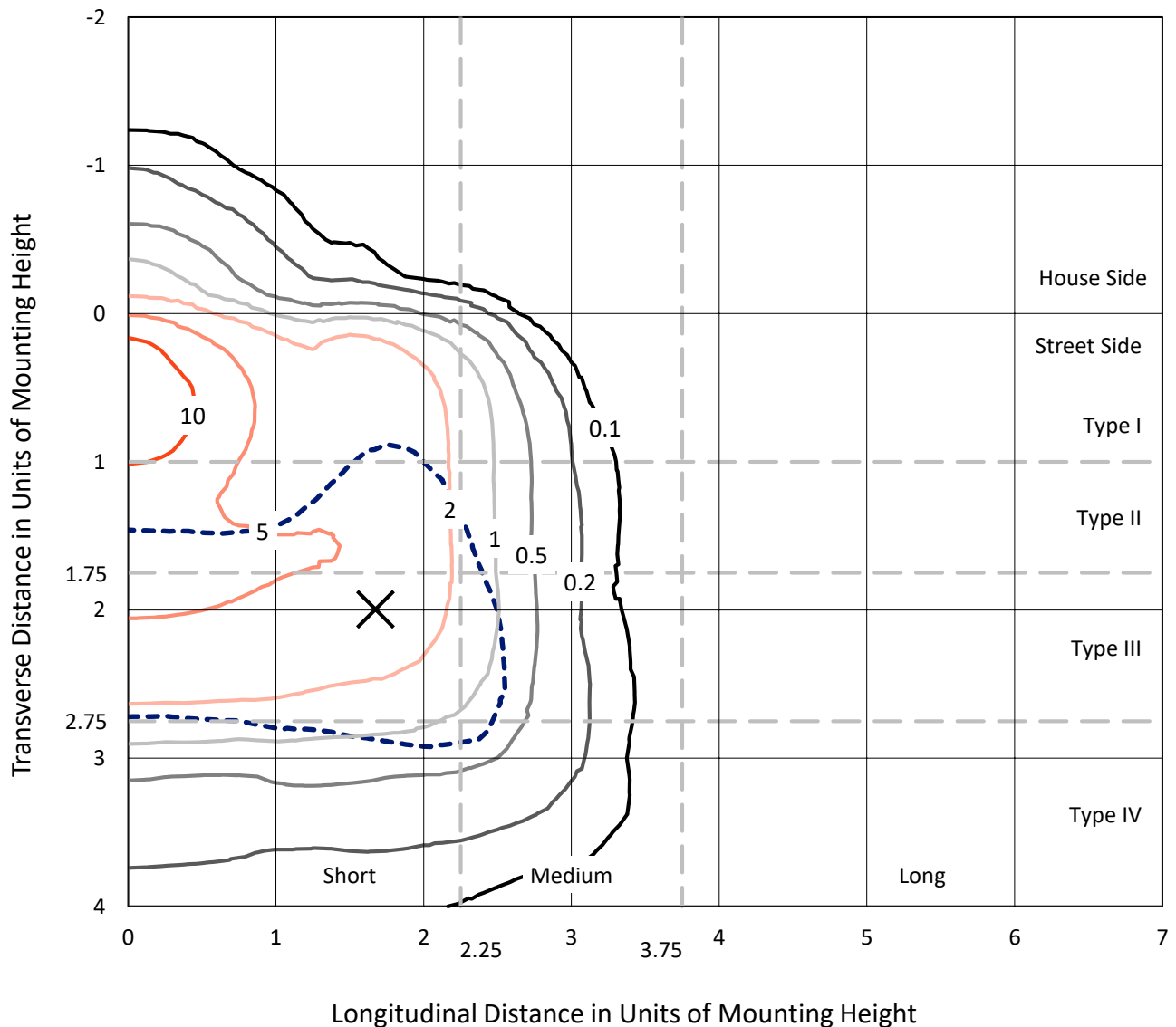
Lumens per Lamp: N/A  
Luminaire Lumens: 6188.9 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
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: P165358

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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

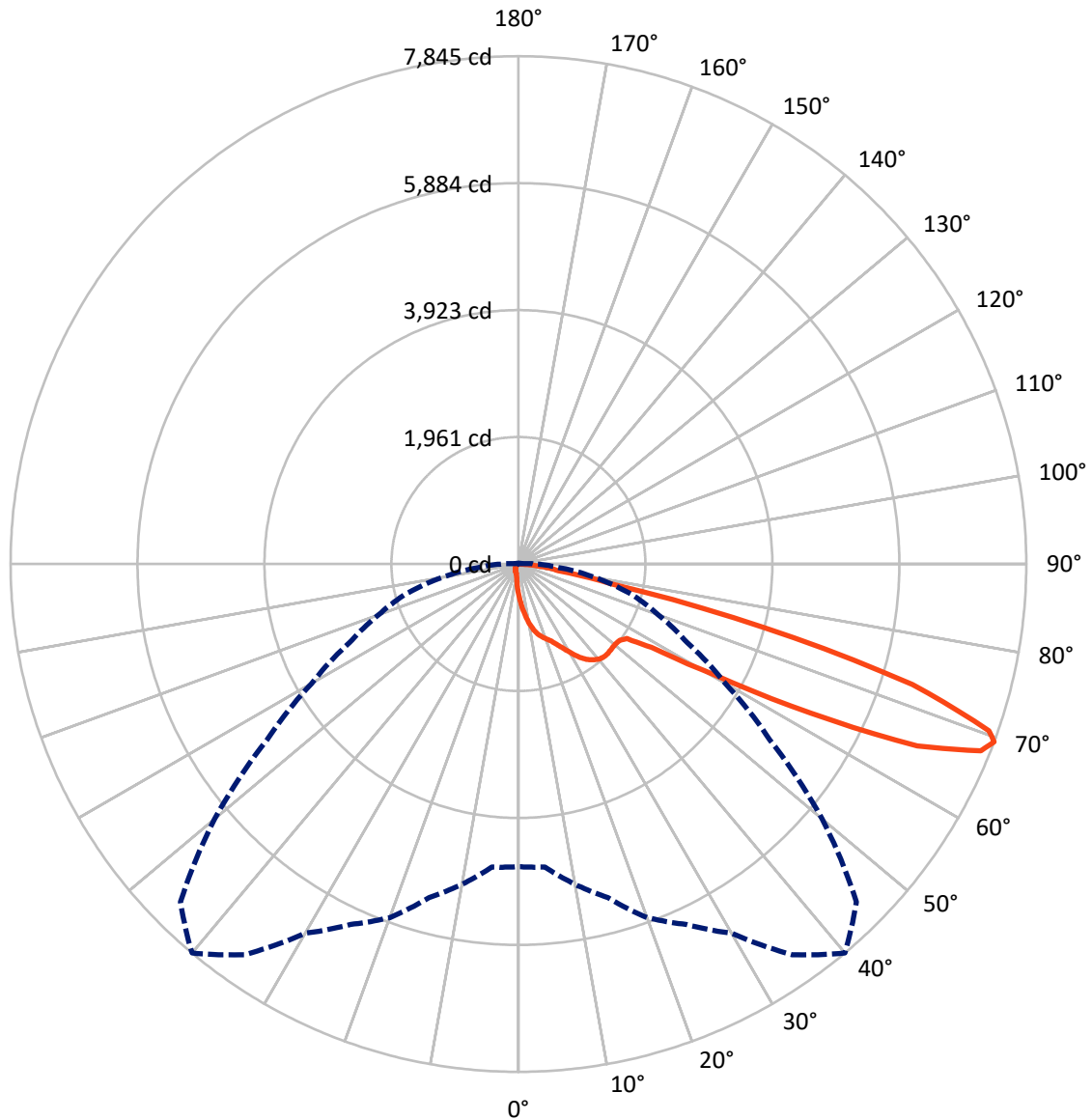


Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P165358

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P165358

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-7050

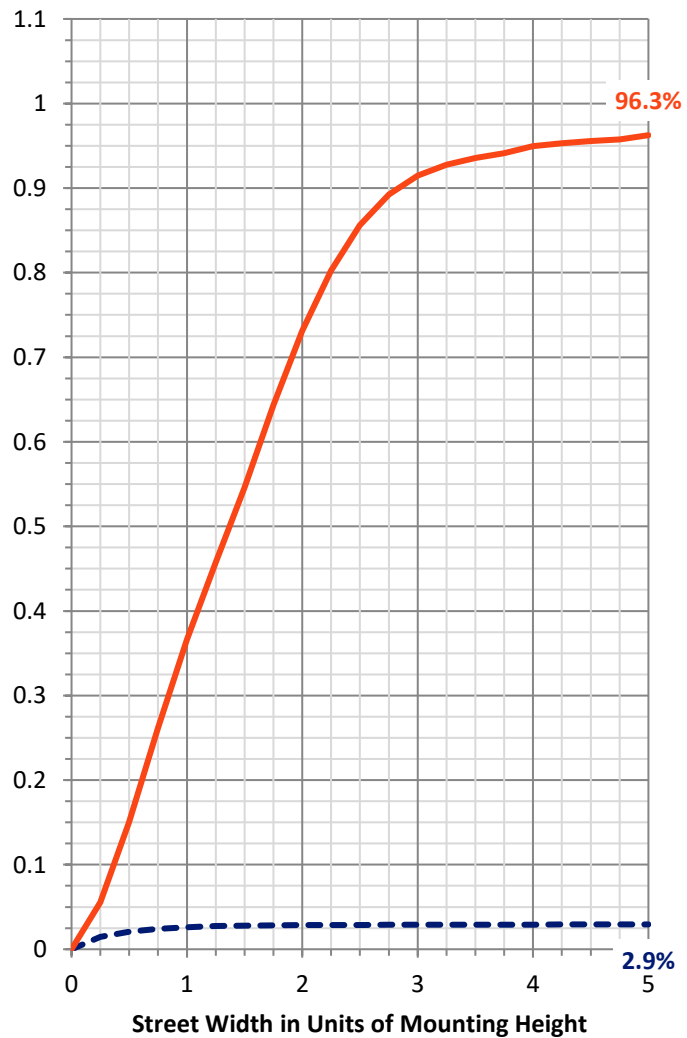
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 184.3    | 0.0    | 184.3  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 6004.6   | 0.0    | 6004.6 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 6188.9   | 0.0    | 6188.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.0   | 0.8       |
| 10°-20°   | 165.6  | 2.7       |
| 20°-30°   | 317.0  | 5.1       |
| 30°-40°   | 527.2  | 8.5       |
| 40°-50°   | 713.4  | 11.5      |
| 50°-60°   | 1115.6 | 18.0      |
| 60°-70°   | 2293.7 | 37.1      |
| 70°-80°   | 923.0  | 14.9      |
| 80°-90°   | 85.4   | 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°    | 6188.9 | 100.0     |
| 0°-180°   | 6188.9 | 100.0     |



--- HS    — SS

REPORT NUMBER: P165358

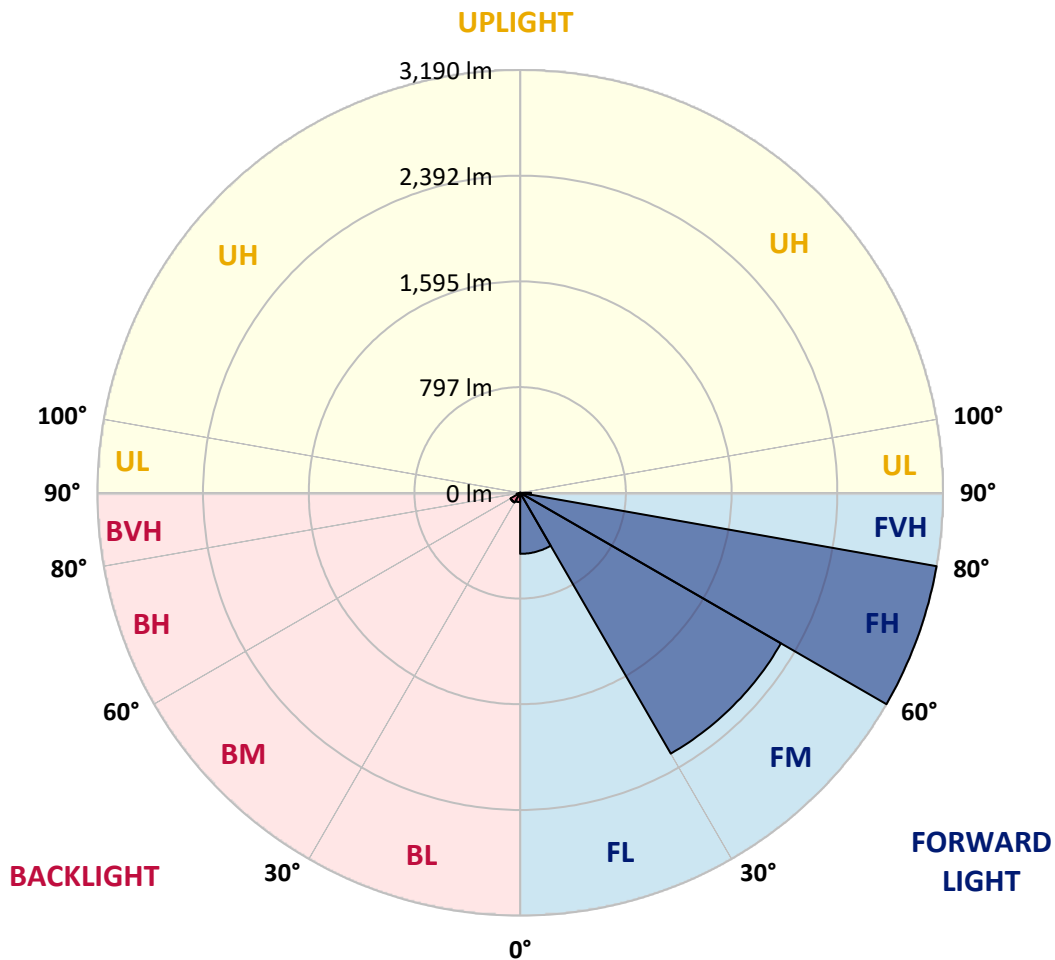
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 460.6  | 7.4       |                         |      |         |
| FM (30°-60°)   | 2272.1 | 36.7      |                         |      |         |
| FH (60°-80°)   | 3189.8 | 51.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 82.2   | 1.3       |                         |      | G1/100  |
| BL (0°-30°)    | 70.1   | 1.1       | B0/110                  |      |         |
| BM (30°-60°)   | 84.2   | 1.4       | B0/220                  |      |         |
| BH (60°-80°)   | 26.9   | 0.4       | B0/110                  |      | G0/110  |
| BVH (80°-90°)  | 3.2    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type IV Short





REPORT NUMBER: P165358

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  |
| 2.5°  | 623.5  | 616.4  | 608.3  | 608.3  | 598.2  | 598.2  | 592.1  | 575.9  | 573.9  | 564.7  | 555.6  |
| 5°    | 795.9  | 789.8  | 779.7  | 770.5  | 762.4  | 748.2  | 738.1  | 718.8  | 697.5  | 677.2  | 659.0  |
| 7.5°  | 964.2  | 961.1  | 942.9  | 939.8  | 926.6  | 903.4  | 883.0  | 854.7  | 818.2  | 789.8  | 756.3  |
| 10°   | 1120.3 | 1113.2 | 1109.1 | 1091.9 | 1072.7 | 1047.3 | 1015.8 | 981.4  | 938.8  | 894.2  | 846.5  |
| 12.5° | 1244.0 | 1239.9 | 1221.7 | 1214.6 | 1194.3 | 1169.0 | 1129.4 | 1084.8 | 1042.3 | 984.4  | 928.7  |
| 15°   | 1336.2 | 1329.2 | 1317.0 | 1305.8 | 1281.5 | 1259.2 | 1222.7 | 1174.0 | 1122.4 | 1059.5 | 992.6  |
| 17.5° | 1413.3 | 1400.1 | 1397.1 | 1379.8 | 1354.5 | 1328.1 | 1287.6 | 1243.0 | 1182.1 | 1119.3 | 1046.3 |
| 20°   | 1516.7 | 1498.5 | 1492.4 | 1467.0 | 1437.6 | 1401.1 | 1354.5 | 1298.7 | 1234.8 | 1165.9 | 1090.9 |
| 22.5° | 1638.3 | 1625.2 | 1612.0 | 1589.7 | 1552.2 | 1500.5 | 1432.6 | 1371.8 | 1290.6 | 1214.6 | 1133.5 |
| 25°   | 1810.7 | 1799.6 | 1778.3 | 1747.9 | 1701.2 | 1639.4 | 1557.3 | 1468.0 | 1372.7 | 1275.4 | 1180.1 |
| 27.5° | 1978.0 | 1967.8 | 1952.6 | 1929.4 | 1876.6 | 1808.7 | 1707.3 | 1593.8 | 1473.1 | 1355.5 | 1250.0 |
| 30°   | 2135.2 | 2126.0 | 2110.8 | 2087.5 | 2040.9 | 1973.9 | 1859.4 | 1737.7 | 1587.7 | 1450.8 | 1324.1 |
| 32.5° | 2304.5 | 2301.4 | 2284.2 | 2250.7 | 2210.2 | 2120.0 | 1995.2 | 1864.5 | 1712.4 | 1554.2 | 1406.2 |
| 35°   | 2496.1 | 2472.7 | 2456.6 | 2423.1 | 2354.2 | 2257.8 | 2111.8 | 1968.9 | 1808.7 | 1646.5 | 1481.2 |
| 37.5° | 2658.3 | 2636.0 | 2615.7 | 2573.2 | 2489.0 | 2366.3 | 2201.1 | 2043.9 | 1878.6 | 1713.4 | 1545.1 |
| 40°   | 2776.9 | 2765.7 | 2741.4 | 2685.6 | 2591.4 | 2445.4 | 2266.9 | 2095.6 | 1929.4 | 1763.1 | 1596.8 |
| 42.5° | 2865.1 | 2847.9 | 2820.5 | 2762.7 | 2651.2 | 2484.9 | 2293.3 | 2116.9 | 1952.6 | 1793.5 | 1630.3 |
| 45°   | 2897.6 | 2883.4 | 2858.0 | 2795.2 | 2674.5 | 2496.1 | 2292.3 | 2110.8 | 1953.7 | 1802.6 | 1652.6 |
| 47.5° | 2878.3 | 2864.1 | 2841.8 | 2783.0 | 2664.4 | 2482.9 | 2274.1 | 2093.6 | 1943.5 | 1805.7 | 1672.8 |
| 50°   | 2814.4 | 2806.3 | 2789.1 | 2739.4 | 2632.9 | 2457.5 | 2257.8 | 2084.5 | 1941.5 | 1820.9 | 1701.2 |
| 52.5° | 2808.3 | 2803.3 | 2782.0 | 2732.3 | 2623.8 | 2449.4 | 2255.8 | 2089.6 | 1958.7 | 1840.2 | 1721.5 |
| 55°   | 3431.8 | 3359.9 | 3198.7 | 3061.8 | 2836.7 | 2569.1 | 2358.2 | 2171.6 | 2031.8 | 1916.2 | 1833.0 |
| 57.5° | 4877.6 | 4770.2 | 4558.2 | 4297.7 | 3780.6 | 3272.7 | 2866.2 | 2572.1 | 2427.1 | 2374.4 | 2405.8 |
| 60°   | 5554.8 | 5535.6 | 5502.1 | 5378.4 | 5113.8 | 4676.9 | 4190.2 | 3664.1 | 3453.1 | 3434.9 | 3498.8 |
| 62.5° | 5876.3 | 5864.1 | 5874.2 | 5859.0 | 5776.9 | 5649.1 | 5509.2 | 5282.1 | 5073.3 | 4938.4 | 4652.5 |
| 65°   | 6024.3 | 6032.4 | 6090.1 | 6135.8 | 6145.9 | 6179.4 | 6281.8 | 6564.6 | 6771.4 | 6423.7 | 5629.9 |
| 67.5° | 5648.1 | 5695.7 | 5828.6 | 5994.8 | 6189.5 | 6378.1 | 6682.2 | 7278.4 | 7703.2 | 7294.6 | 6167.2 |
| 69°   | 4675.8 | 4699.2 | 5023.6 | 5336.9 | 5812.4 | 6144.9 | 6585.9 | 7367.6 | 7845.2 | 7383.8 | 6124.6 |
| 70°   | 3681.2 | 3702.5 | 4050.3 | 4476.1 | 5280.1 | 5707.9 | 6284.8 | 7216.6 | 7712.3 | 7265.2 | 5905.6 |
| 72.5° | 1660.7 | 1630.3 | 1752.9 | 1981.0 | 2855.0 | 3534.3 | 4543.0 | 5846.8 | 6362.9 | 5820.5 | 4418.3 |
| 75°   | 1159.8 | 1146.7 | 1159.8 | 1160.8 | 1296.7 | 1672.8 | 2110.8 | 3169.2 | 3919.5 | 3382.2 | 2110.8 |
| 77.5° | 898.3  | 889.1  | 880.0  | 869.9  | 886.1  | 992.6  | 1035.1 | 1124.3 | 1459.9 | 1380.9 | 805.0  |
| 80°   | 710.7  | 702.6  | 724.9  | 717.8  | 717.8  | 730.0  | 721.9  | 688.4  | 625.5  | 579.9  | 519.1  |
| 82.5° | 330.5  | 332.5  | 332.5  | 360.9  | 435.0  | 507.9  | 531.3  | 497.8  | 442.0  | 376.1  | 303.2  |
| 85°   | 31.4   | 35.5   | 59.8   | 92.3   | 183.5  | 206.8  | 207.8  | 172.3  | 172.3  | 135.9  | 109.5  |
| 87.5° | 0.0    | 1.0    | 1.0    | 1.0    | 9.1    | 25.4   | 21.3   | 6.1    | 3.0    | 3.0    | 5.0    |
| 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: P165358

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4  | 467.4 | 467.4 | 467.4 | 467.4 |
| 2.5°  | 539.4  | 536.3  | 524.2  | 512.0  | 500.8  | 488.7  | 477.5  | 466.4 | 454.2 | 445.1 | 433.9 |
| 5°    | 630.6  | 608.3  | 583.0  | 558.7  | 534.3  | 509.0  | 482.6  | 459.3 | 435.0 | 412.6 | 391.3 |
| 7.5°  | 722.9  | 679.3  | 644.8  | 601.2  | 561.7  | 522.1  | 485.6  | 448.1 | 413.7 | 381.2 | 350.8 |
| 10°   | 800.9  | 748.2  | 694.5  | 638.8  | 581.9  | 529.2  | 478.6  | 433.9 | 388.3 | 348.8 | 311.3 |
| 12.5° | 864.8  | 797.9  | 732.0  | 662.0  | 598.2  | 531.3  | 468.4  | 414.6 | 360.9 | 316.3 | 277.8 |
| 15°   | 922.6  | 845.6  | 766.4  | 685.4  | 604.3  | 528.2  | 458.2  | 391.3 | 336.6 | 285.9 | 242.3 |
| 17.5° | 969.2  | 881.0  | 791.8  | 700.6  | 613.4  | 524.2  | 445.1  | 375.1 | 311.3 | 258.5 | 216.0 |
| 20°   | 1009.8 | 917.5  | 821.2  | 718.8  | 619.5  | 523.1  | 433.9  | 354.9 | 288.9 | 233.2 | 191.6 |
| 22.5° | 1047.3 | 955.0  | 851.6  | 742.1  | 628.6  | 522.1  | 423.8  | 339.7 | 269.7 | 213.9 | 172.3 |
| 25°   | 1089.9 | 992.6  | 884.1  | 766.4  | 644.8  | 526.2  | 417.7  | 327.5 | 252.4 | 195.7 | 157.1 |
| 27.5° | 1137.6 | 1035.1 | 922.6  | 796.9  | 666.1  | 534.3  | 415.7  | 314.3 | 237.2 | 178.4 | 145.0 |
| 30°   | 1204.4 | 1085.8 | 961.1  | 827.3  | 685.4  | 543.4  | 413.7  | 306.2 | 222.0 | 165.2 | 132.8 |
| 32.5° | 1263.3 | 1135.5 | 1003.7 | 858.7  | 706.7  | 552.6  | 412.6  | 295.0 | 207.8 | 152.1 | 123.7 |
| 35°   | 1325.1 | 1181.1 | 1040.2 | 889.1  | 724.9  | 562.7  | 411.6  | 286.9 | 194.7 | 138.9 | 114.6 |
| 37.5° | 1378.8 | 1219.6 | 1068.6 | 915.5  | 745.2  | 571.8  | 412.6  | 279.8 | 182.5 | 127.8 | 106.4 |
| 40°   | 1424.5 | 1259.2 | 1100.0 | 939.8  | 766.4  | 586.0  | 413.7  | 272.7 | 170.4 | 117.6 | 99.4  |
| 42.5° | 1465.0 | 1296.7 | 1133.5 | 967.2  | 790.8  | 602.2  | 419.8  | 266.6 | 160.2 | 108.5 | 92.3  |
| 45°   | 1496.4 | 1331.2 | 1169.9 | 1005.7 | 830.3  | 628.6  | 430.9  | 262.6 | 150.0 | 100.4 | 86.2  |
| 47.5° | 1528.9 | 1381.9 | 1231.8 | 1066.6 | 888.2  | 670.1  | 450.2  | 261.6 | 141.9 | 94.3  | 81.1  |
| 50°   | 1573.5 | 1432.6 | 1286.6 | 1128.4 | 940.9  | 712.8  | 473.4  | 262.6 | 131.8 | 88.2  | 76.0  |
| 52.5° | 1606.0 | 1484.2 | 1357.5 | 1235.9 | 1066.6 | 842.5  | 563.7  | 280.8 | 126.7 | 83.1  | 69.9  |
| 55°   | 1797.6 | 1776.3 | 1779.3 | 1799.6 | 1668.8 | 1433.6 | 942.9  | 405.5 | 149.1 | 94.3  | 69.0  |
| 57.5° | 2534.6 | 2609.6 | 2653.2 | 2652.2 | 2436.2 | 2020.6 | 1266.3 | 521.1 | 166.3 | 109.5 | 82.1  |
| 60°   | 3503.9 | 3447.1 | 3367.0 | 3169.2 | 2882.4 | 2306.5 | 1416.3 | 560.7 | 143.9 | 87.2  | 75.0  |
| 62.5° | 4360.6 | 4028.0 | 3733.0 | 3412.6 | 3036.5 | 2405.8 | 1446.7 | 557.6 | 125.7 | 65.9  | 52.7  |
| 65°   | 4894.8 | 4296.7 | 3820.2 | 3418.7 | 2975.6 | 2322.7 | 1368.7 | 512.0 | 106.4 | 53.7  | 43.6  |
| 67.5° | 5022.6 | 4151.7 | 3477.5 | 2965.5 | 2485.9 | 1807.7 | 1004.7 | 385.3 | 83.1  | 44.6  | 38.5  |
| 69°   | 4743.7 | 3690.4 | 2881.4 | 2300.4 | 1808.7 | 1199.4 | 621.5  | 243.3 | 63.8  | 40.6  | 35.5  |
| 70°   | 4363.6 | 3209.8 | 2347.0 | 1846.2 | 1339.3 | 842.5  | 435.0  | 171.3 | 51.7  | 37.5  | 32.4  |
| 72.5° | 2807.4 | 1686.0 | 1153.8 | 802.9  | 552.6  | 335.6  | 170.4  | 77.1  | 39.5  | 31.4  | 26.4  |
| 75°   | 1088.9 | 623.5  | 452.2  | 343.7  | 268.7  | 186.5  | 103.4  | 49.7  | 33.4  | 26.4  | 20.3  |
| 77.5° | 536.3  | 410.6  | 335.6  | 230.1  | 133.8  | 83.1   | 55.8   | 38.5  | 27.4  | 19.3  | 13.2  |
| 80°   | 423.8  | 281.9  | 168.3  | 104.4  | 79.1   | 59.8   | 42.6   | 31.4  | 20.3  | 12.2  | 9.1   |
| 82.5° | 217.0  | 118.6  | 87.2   | 71.0   | 58.8   | 46.7   | 34.5   | 22.3  | 13.2  | 8.1   | 7.1   |
| 85°   | 67.9   | 49.7   | 44.6   | 43.6   | 40.6   | 33.4   | 24.3   | 14.2  | 8.1   | 5.0   | 5.0   |
| 87.5° | 5.0    | 7.1    | 9.1    | 7.1    | 8.1    | 7.1    | 9.1    | 6.1   | 4.1   | 4.1   | 3.0   |
| 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: P165358

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 | 467.4 |
| 2.5°  | 425.8 | 413.7 | 402.5 | 395.4 | 382.2 | 377.2 | 372.1 | 370.1 | 360.9 | 362.9 | 354.9 |
| 5°    | 372.1 | 350.8 | 334.6 | 318.4 | 303.2 | 292.0 | 282.8 | 271.7 | 262.6 | 258.5 | 250.4 |
| 7.5°  | 323.4 | 296.1 | 274.8 | 257.5 | 239.2 | 225.1 | 212.9 | 204.8 | 196.7 | 188.6 | 184.5 |
| 10°   | 280.8 | 251.4 | 227.1 | 209.9 | 192.6 | 180.5 | 171.3 | 165.2 | 160.2 | 157.1 | 156.1 |
| 12.5° | 241.3 | 212.9 | 190.6 | 175.4 | 162.2 | 156.1 | 152.1 | 149.1 | 148.0 | 147.0 | 147.0 |
| 15°   | 210.9 | 182.5 | 165.2 | 154.1 | 148.0 | 145.0 | 143.9 | 141.9 | 139.9 | 138.9 | 138.9 |
| 17.5° | 182.5 | 161.2 | 149.1 | 143.0 | 139.9 | 137.9 | 135.9 | 133.8 | 131.8 | 130.8 | 130.8 |
| 20°   | 163.2 | 146.0 | 139.9 | 135.9 | 132.8 | 130.8 | 127.8 | 125.7 | 124.7 | 123.7 | 122.7 |
| 22.5° | 148.0 | 136.9 | 132.8 | 129.8 | 125.7 | 122.7 | 120.7 | 118.6 | 116.6 | 115.6 | 114.6 |
| 25°   | 136.9 | 129.8 | 126.7 | 122.7 | 118.6 | 115.6 | 112.5 | 109.5 | 107.5 | 106.4 | 104.4 |
| 27.5° | 128.7 | 123.7 | 119.6 | 114.6 | 110.5 | 107.5 | 104.4 | 101.4 | 99.4  | 97.3  | 96.3  |
| 30°   | 121.7 | 116.6 | 111.5 | 107.5 | 102.4 | 99.4  | 95.3  | 92.3  | 91.2  | 89.2  | 87.2  |
| 32.5° | 114.6 | 109.5 | 104.4 | 99.4  | 94.3  | 90.3  | 88.2  | 84.2  | 82.1  | 81.1  | 79.1  |
| 35°   | 106.4 | 101.4 | 95.3  | 91.2  | 86.2  | 82.1  | 79.1  | 76.0  | 74.0  | 72.0  | 71.0  |
| 37.5° | 99.4  | 93.3  | 87.2  | 82.1  | 78.1  | 74.0  | 71.0  | 67.9  | 65.9  | 63.8  | 62.9  |
| 40°   | 91.2  | 85.1  | 79.1  | 74.0  | 69.9  | 66.9  | 63.8  | 60.8  | 58.8  | 57.8  | 57.8  |
| 42.5° | 84.2  | 77.1  | 71.0  | 66.9  | 63.8  | 59.8  | 56.8  | 53.7  | 52.7  | 51.7  | 52.7  |
| 45°   | 77.1  | 69.9  | 64.9  | 60.8  | 57.8  | 53.7  | 50.7  | 48.6  | 47.7  | 48.6  | 49.7  |
| 47.5° | 71.0  | 63.8  | 58.8  | 55.8  | 52.7  | 49.7  | 46.7  | 44.6  | 44.6  | 46.7  | 48.6  |
| 50°   | 64.9  | 57.8  | 53.7  | 51.7  | 48.6  | 45.6  | 41.6  | 40.6  | 41.6  | 43.6  | 45.6  |
| 52.5° | 58.8  | 50.7  | 47.7  | 46.7  | 43.6  | 40.6  | 37.5  | 36.5  | 37.5  | 39.5  | 38.5  |
| 55°   | 52.7  | 44.6  | 43.6  | 42.6  | 39.5  | 35.5  | 32.4  | 32.4  | 32.4  | 31.4  | 29.4  |
| 57.5° | 50.7  | 39.5  | 38.5  | 37.5  | 34.5  | 30.4  | 28.4  | 26.4  | 25.4  | 22.3  | 21.3  |
| 60°   | 52.7  | 35.5  | 35.5  | 33.4  | 30.4  | 26.4  | 23.3  | 20.3  | 18.2  | 16.2  | 16.2  |
| 62.5° | 42.6  | 32.4  | 31.4  | 29.4  | 25.4  | 21.3  | 18.2  | 15.2  | 14.2  | 13.2  | 13.2  |
| 65°   | 34.5  | 29.4  | 27.4  | 24.3  | 21.3  | 17.2  | 14.2  | 12.2  | 11.1  | 11.1  | 12.2  |
| 67.5° | 31.4  | 26.4  | 23.3  | 20.3  | 17.2  | 13.2  | 11.1  | 10.2  | 10.2  | 11.1  | 11.1  |
| 69°   | 29.4  | 24.3  | 21.3  | 18.2  | 15.2  | 12.2  | 10.2  | 10.2  | 10.2  | 10.2  | 11.1  |
| 70°   | 27.4  | 23.3  | 20.3  | 17.2  | 13.2  | 10.2  | 9.1   | 9.1   | 10.2  | 10.2  | 11.1  |
| 72.5° | 21.3  | 18.2  | 17.2  | 14.2  | 10.2  | 9.1   | 8.1   | 9.1   | 9.1   | 10.2  | 10.2  |
| 75°   | 16.2  | 13.2  | 13.2  | 11.1  | 8.1   | 7.1   | 7.1   | 8.1   | 8.1   | 9.1   | 9.1   |
| 77.5° | 11.1  | 9.1   | 9.1   | 8.1   | 7.1   | 6.1   | 6.1   | 7.1   | 8.1   | 8.1   | 9.1   |
| 80°   | 8.1   | 7.1   | 6.1   | 7.1   | 6.1   | 5.0   | 6.1   | 7.1   | 7.1   | 8.1   | 8.1   |
| 82.5° | 6.1   | 6.1   | 6.1   | 6.1   | 5.0   | 5.0   | 6.1   | 6.1   | 7.1   | 8.1   | 8.1   |
| 85°   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 6.1   | 6.1   | 7.1   | 7.1   |
| 87.5° | 3.0   | 3.0   | 3.0   | 4.1   | 4.1   | 5.0   | 5.0   | 5.0   | 5.0   | 6.1   | 6.1   |
| 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: P165358

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 467.4 | 467.4 | 467.4 | 467.4 |
| 2.5°  | 352.8 | 351.8 | 347.7 | 348.8 |
| 5°    | 247.4 | 241.3 | 245.3 | 244.4 |
| 7.5°  | 181.5 | 180.5 | 179.5 | 181.5 |
| 10°   | 155.1 | 155.1 | 154.1 | 155.1 |
| 12.5° | 146.0 | 146.0 | 146.0 | 146.0 |
| 15°   | 138.9 | 138.9 | 137.9 | 137.9 |
| 17.5° | 130.8 | 130.8 | 130.8 | 129.8 |
| 20°   | 122.7 | 121.7 | 121.7 | 121.7 |
| 22.5° | 113.5 | 112.5 | 112.5 | 112.5 |
| 25°   | 104.4 | 103.4 | 103.4 | 103.4 |
| 27.5° | 95.3  | 94.3  | 93.3  | 93.3  |
| 30°   | 86.2  | 85.1  | 84.2  | 84.2  |
| 32.5° | 77.1  | 76.0  | 75.0  | 75.0  |
| 35°   | 69.0  | 69.0  | 67.9  | 66.9  |
| 37.5° | 61.9  | 61.9  | 61.9  | 61.9  |
| 40°   | 56.8  | 57.8  | 57.8  | 57.8  |
| 42.5° | 53.7  | 54.7  | 55.8  | 56.8  |
| 45°   | 51.7  | 53.7  | 54.7  | 54.7  |
| 47.5° | 50.7  | 51.7  | 52.7  | 52.7  |
| 50°   | 46.7  | 45.6  | 45.6  | 45.6  |
| 52.5° | 37.5  | 35.5  | 34.5  | 33.4  |
| 55°   | 27.4  | 26.4  | 24.3  | 24.3  |
| 57.5° | 19.3  | 19.3  | 18.2  | 18.2  |
| 60°   | 15.2  | 15.2  | 14.2  | 15.2  |
| 62.5° | 13.2  | 13.2  | 13.2  | 13.2  |
| 65°   | 12.2  | 12.2  | 12.2  | 12.2  |
| 67.5° | 12.2  | 12.2  | 12.2  | 12.2  |
| 69°   | 11.1  | 11.1  | 11.1  | 11.1  |
| 70°   | 11.1  | 11.1  | 11.1  | 11.1  |
| 72.5° | 10.2  | 10.2  | 10.2  | 10.2  |
| 75°   | 9.1   | 10.2  | 10.2  | 10.2  |
| 77.5° | 9.1   | 9.1   | 9.1   | 9.1   |
| 80°   | 8.1   | 8.1   | 9.1   | 9.1   |
| 82.5° | 8.1   | 8.1   | 8.1   | 8.1   |
| 85°   | 7.1   | 7.1   | 8.1   | 8.1   |
| 87.5° | 6.1   | 6.1   | 7.1   | 7.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)