

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: P158992

Luminaire Tested: **VTS-E04-LED-E1-SLR-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158992
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
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-SLR-7060
Description: VENTUS LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (84) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

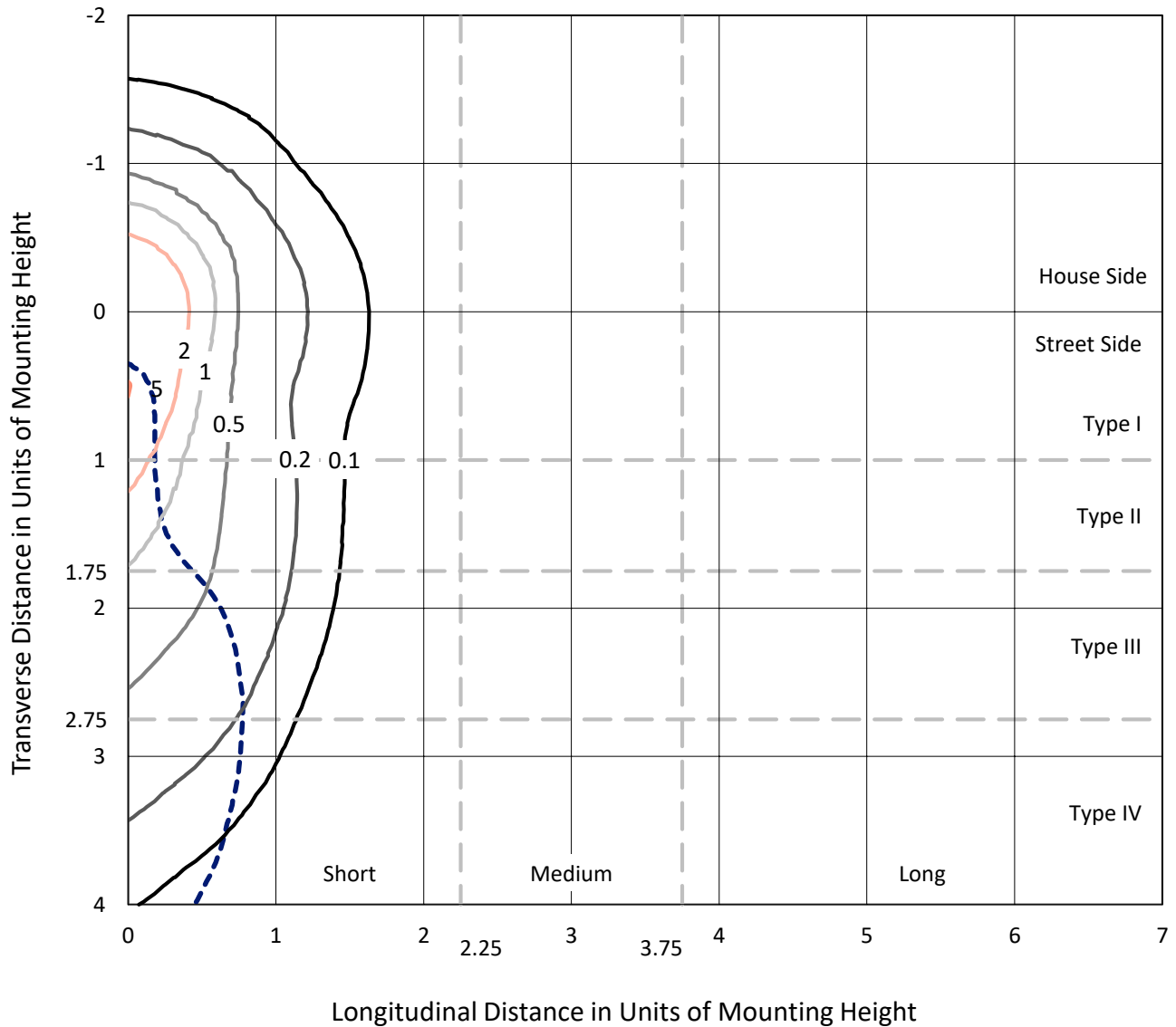
Lumens per Lamp: N/A
Luminaire Lumens: 11029.7 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

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

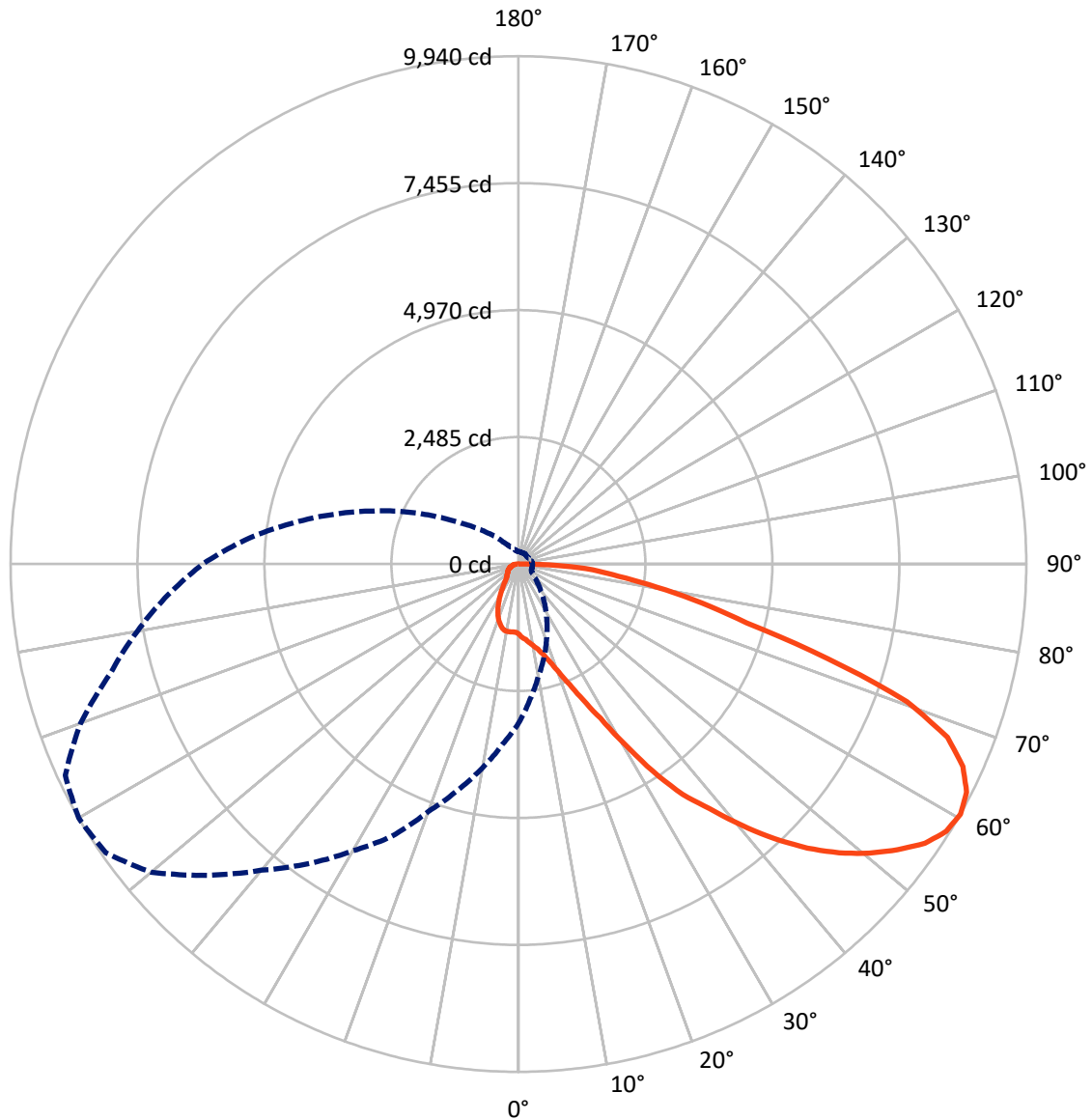
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2483.6 | 0.0 | 2483.6 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| Street Side | Lumens | 8546.2 | 0.0 | 8546.2 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| Total | Lumens | 11029.7 | 0.0 | 11029.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 135.3 | 1.2 |
| 10°-20° | 436.9 | 4.0 |
| 20°-30° | 829.1 | 7.5 |
| 30°-40° | 1305.7 | 11.8 |
| 40°-50° | 1822.5 | 16.5 |
| 50°-60° | 2254.0 | 20.4 |
| 60°-70° | 2336.4 | 21.2 |
| 70°-80° | 1470.2 | 13.3 |
| 80°-90° | 439.5 | 4.0 |
| 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° | 11029.7 | 100.0 |
| 0°-180° | 11029.7 | 100.0 |



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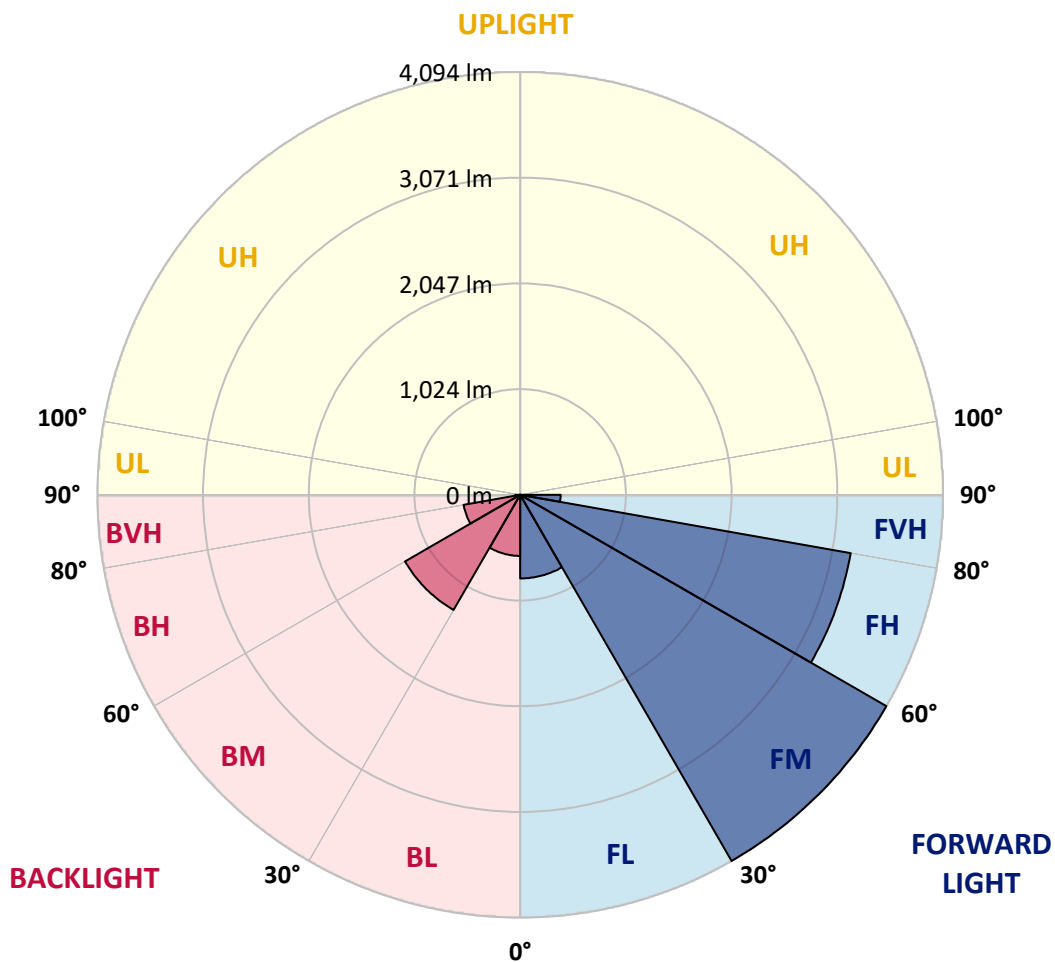
CATALOG NUMBER: VTS-E04-LED-E1-SLR-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 809.7 | 7.3 | | | |
| FM | (30°-60°) | 4094.4 | 37.1 | | | |
| FH | (60°-80°) | 3250.4 | 29.5 | | | G2/5000 |
| FVH | (80°-90°) | 391.7 | 3.6 | | | G3/500 |
| BL | (0°-30°) | 591.7 | 5.4 | B2/1000 | | |
| BM | (30°-60°) | 1287.9 | 11.7 | B2/2500 | | |
| BH | (60°-80°) | 556.2 | 5.0 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 47.8 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





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CATALOG NUMBER: VTS-E04-LED-E1-SLR-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 |
| 2.5° | 1453.0 | 1366.0 | 1367.6 | 1365.1 | 1365.1 | 1363.5 | 1365.1 | 1363.5 | 1361.8 | 1361.8 | 1362.7 |
| 5° | 1471.8 | 1375.8 | 1375.8 | 1373.3 | 1371.7 | 1370.1 | 1371.7 | 1370.1 | 1369.2 | 1367.6 | 1368.4 |
| 7.5° | 1489.9 | 1381.5 | 1378.3 | 1375.0 | 1370.9 | 1372.5 | 1372.5 | 1371.7 | 1372.5 | 1371.7 | 1373.3 |
| 10° | 1519.5 | 1400.4 | 1392.2 | 1384.8 | 1384.0 | 1382.4 | 1382.4 | 1379.9 | 1379.9 | 1378.3 | 1379.1 |
| 12.5° | 1595.0 | 1458.7 | 1449.7 | 1436.5 | 1434.1 | 1426.7 | 1422.6 | 1417.7 | 1409.5 | 1402.1 | 1396.3 |
| 15° | 1722.2 | 1555.6 | 1538.3 | 1526.8 | 1521.9 | 1507.1 | 1484.2 | 1466.1 | 1442.3 | 1421.8 | 1400.4 |
| 17.5° | 1878.2 | 1685.3 | 1664.8 | 1650.0 | 1625.4 | 1585.1 | 1546.5 | 1502.2 | 1456.2 | 1414.4 | 1375.8 |
| 20° | 2096.5 | 1871.6 | 1831.4 | 1796.1 | 1734.5 | 1665.6 | 1593.3 | 1516.2 | 1445.6 | 1379.9 | 1323.3 |
| 22.5° | 2392.1 | 2112.1 | 2037.4 | 1943.0 | 1828.9 | 1712.4 | 1597.4 | 1490.7 | 1396.3 | 1311.0 | 1235.4 |
| 25° | 2731.9 | 2342.0 | 2207.4 | 2044.8 | 1870.0 | 1709.1 | 1558.0 | 1421.0 | 1311.0 | 1201.0 | 1118.9 |
| 27.5° | 2982.3 | 2534.1 | 2335.4 | 2122.0 | 1898.7 | 1693.5 | 1508.0 | 1342.1 | 1209.2 | 1096.7 | 997.4 |
| 30° | 3125.1 | 2644.1 | 2405.2 | 2154.8 | 1903.6 | 1667.2 | 1444.8 | 1252.7 | 1099.2 | 965.4 | 870.1 |
| 32.5° | 3217.0 | 2703.2 | 2412.6 | 2122.0 | 1844.5 | 1589.2 | 1348.7 | 1149.2 | 982.6 | 839.8 | 738.8 |
| 35° | 3294.2 | 2727.0 | 2378.1 | 2048.9 | 1732.9 | 1471.0 | 1225.6 | 1026.1 | 849.6 | 718.3 | 614.8 |
| 37.5° | 3325.4 | 2722.9 | 2323.1 | 1951.2 | 1623.7 | 1342.1 | 1100.0 | 895.6 | 738.0 | 622.2 | 533.6 |
| 40° | 3319.7 | 2685.1 | 2248.4 | 1847.0 | 1495.7 | 1207.5 | 967.0 | 787.2 | 659.2 | 561.5 | 496.6 |
| 42.5° | 3281.1 | 2635.0 | 2165.5 | 1741.1 | 1378.3 | 1095.9 | 876.7 | 717.5 | 614.0 | 540.1 | 483.5 |
| 45° | 3232.6 | 2575.1 | 2090.0 | 1644.2 | 1285.5 | 1016.3 | 824.2 | 697.8 | 608.3 | 537.7 | 476.9 |
| 47.5° | 3167.0 | 2508.6 | 2013.6 | 1575.3 | 1236.3 | 992.4 | 823.3 | 709.2 | 613.2 | 531.9 | 465.4 |
| 50° | 3095.6 | 2460.2 | 1971.8 | 1545.7 | 1230.5 | 1007.2 | 852.1 | 727.3 | 616.5 | 526.2 | 449.8 |
| 52.5° | 3045.5 | 2438.8 | 1970.9 | 1556.4 | 1260.9 | 1048.3 | 885.7 | 750.3 | 628.8 | 529.5 | 446.6 |
| 55° | 2983.9 | 2435.6 | 1992.3 | 1602.4 | 1327.4 | 1118.0 | 939.1 | 789.7 | 654.2 | 541.8 | 449.0 |
| 57.5° | 2988.0 | 2500.4 | 2075.2 | 1715.6 | 1447.2 | 1212.4 | 1007.2 | 838.1 | 678.9 | 549.2 | 444.9 |
| 60° | 3117.7 | 2651.5 | 2238.6 | 1909.4 | 1604.0 | 1323.3 | 1077.0 | 864.4 | 677.2 | 532.8 | 425.2 |
| 62.5° | 3385.3 | 2878.0 | 2483.2 | 2136.8 | 1763.3 | 1408.6 | 1102.4 | 857.0 | 652.6 | 497.5 | 393.2 |
| 65° | 3704.7 | 3143.2 | 2721.2 | 2313.3 | 1860.1 | 1428.3 | 1080.3 | 816.0 | 603.4 | 451.5 | 354.6 |
| 67.5° | 4024.0 | 3331.1 | 2858.3 | 2363.3 | 1820.7 | 1348.7 | 998.2 | 724.0 | 519.6 | 389.1 | 311.1 |
| 70° | 4138.9 | 3369.7 | 2847.6 | 2250.9 | 1641.8 | 1150.9 | 821.7 | 582.8 | 417.0 | 318.5 | 261.9 |
| 72.5° | 3966.5 | 3128.4 | 2531.6 | 1912.7 | 1334.8 | 892.3 | 602.5 | 430.1 | 318.5 | 249.5 | 213.4 |
| 75° | 3327.0 | 2519.3 | 2001.3 | 1440.7 | 963.7 | 631.3 | 435.1 | 313.6 | 239.7 | 197.8 | 170.7 |
| 77.5° | 2371.5 | 1754.2 | 1363.5 | 946.5 | 625.5 | 437.5 | 311.9 | 235.6 | 190.4 | 158.4 | 138.7 |
| 80° | 1489.9 | 1077.0 | 830.7 | 568.1 | 389.9 | 297.2 | 224.1 | 186.3 | 153.5 | 128.9 | 115.7 |
| 82.5° | 897.2 | 627.2 | 489.2 | 353.0 | 256.1 | 203.6 | 165.0 | 146.1 | 122.3 | 106.7 | 99.3 |
| 85° | 609.1 | 461.3 | 321.0 | 208.5 | 154.3 | 119.8 | 112.5 | 101.0 | 91.1 | 76.3 | 73.9 |
| 87.5° | 116.6 | 165.0 | 143.7 | 85.4 | 56.6 | 48.4 | 42.7 | 41.0 | 36.9 | 29.6 | 33.7 |
| 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° | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 |
| 2.5° | 1357.7 | 1356.1 | 1352.8 | 1352.8 | 1350.4 | 1345.4 | 1344.6 | 1341.3 | 1337.2 | 1338.0 | 1337.2 |
| 5° | 1362.7 | 1359.4 | 1355.3 | 1353.6 | 1350.4 | 1345.4 | 1343.0 | 1338.9 | 1334.8 | 1334.8 | 1334.8 |
| 7.5° | 1368.4 | 1364.3 | 1361.0 | 1355.3 | 1348.7 | 1343.8 | 1337.2 | 1332.3 | 1329.8 | 1329.0 | 1329.8 |
| 10° | 1373.3 | 1370.9 | 1366.0 | 1357.7 | 1348.7 | 1338.9 | 1332.3 | 1325.7 | 1319.2 | 1320.0 | 1320.8 |
| 12.5° | 1384.0 | 1375.8 | 1362.7 | 1350.4 | 1336.4 | 1324.1 | 1312.6 | 1304.4 | 1296.2 | 1296.2 | 1297.0 |
| 15° | 1376.6 | 1352.8 | 1334.8 | 1311.0 | 1295.4 | 1275.7 | 1262.5 | 1255.1 | 1250.2 | 1248.6 | 1249.4 |
| 17.5° | 1333.1 | 1304.4 | 1277.3 | 1256.0 | 1234.6 | 1219.0 | 1213.3 | 1208.3 | 1201.8 | 1205.1 | 1201.8 |
| 20° | 1267.4 | 1232.1 | 1193.6 | 1168.1 | 1142.7 | 1132.0 | 1122.1 | 1117.2 | 1113.1 | 1127.9 | 1127.9 |
| 22.5° | 1173.0 | 1130.4 | 1091.0 | 1059.8 | 1031.0 | 1019.5 | 1009.7 | 1003.9 | 1006.4 | 1024.5 | 1026.1 |
| 25° | 1054.0 | 1002.3 | 950.6 | 931.7 | 903.0 | 893.9 | 888.2 | 887.4 | 889.8 | 907.9 | 912.0 |
| 27.5° | 927.6 | 873.4 | 829.1 | 785.6 | 772.5 | 765.1 | 754.4 | 766.7 | 769.2 | 788.9 | 797.1 |
| 30° | 793.0 | 734.7 | 687.9 | 659.2 | 631.3 | 635.4 | 626.3 | 641.1 | 647.7 | 668.2 | 674.8 |
| 32.5° | 655.1 | 600.1 | 553.3 | 524.5 | 504.8 | 507.3 | 500.7 | 513.9 | 520.4 | 545.1 | 557.4 |
| 35° | 541.8 | 495.0 | 457.2 | 432.6 | 423.6 | 414.5 | 412.9 | 414.5 | 421.1 | 440.0 | 462.2 |
| 37.5° | 476.9 | 438.4 | 411.3 | 393.2 | 380.9 | 375.1 | 371.9 | 371.9 | 371.9 | 376.0 | 386.6 |
| 40° | 449.0 | 414.5 | 390.7 | 373.5 | 365.3 | 362.0 | 359.5 | 357.1 | 353.0 | 351.3 | 352.2 |
| 42.5° | 436.7 | 397.3 | 371.9 | 358.7 | 353.8 | 353.8 | 353.8 | 352.2 | 348.1 | 344.0 | 339.8 |
| 45° | 424.4 | 381.7 | 356.3 | 347.2 | 344.8 | 345.6 | 345.6 | 345.6 | 342.3 | 337.4 | 330.0 |
| 47.5° | 408.8 | 364.5 | 339.0 | 333.3 | 333.3 | 335.7 | 336.6 | 336.6 | 333.3 | 328.4 | 322.6 |
| 50° | 389.9 | 342.3 | 319.3 | 314.4 | 311.9 | 311.9 | 311.9 | 311.9 | 309.5 | 306.2 | 302.1 |
| 52.5° | 380.1 | 330.0 | 306.2 | 301.3 | 301.3 | 298.8 | 298.0 | 295.5 | 293.1 | 290.6 | 284.8 |
| 55° | 376.8 | 325.1 | 300.4 | 296.3 | 296.3 | 293.9 | 291.4 | 289.0 | 284.8 | 280.7 | 275.0 |
| 57.5° | 367.8 | 314.4 | 293.1 | 289.8 | 289.8 | 288.1 | 285.7 | 283.2 | 279.1 | 273.4 | 266.0 |
| 60° | 347.2 | 296.3 | 278.3 | 277.5 | 277.5 | 276.6 | 275.0 | 275.0 | 270.9 | 265.1 | 256.1 |
| 62.5° | 321.0 | 277.5 | 260.2 | 260.2 | 259.4 | 258.6 | 255.3 | 254.5 | 249.5 | 242.2 | 234.0 |
| 65° | 295.5 | 261.0 | 249.5 | 246.3 | 244.6 | 242.2 | 240.5 | 236.4 | 232.3 | 225.7 | 217.5 |
| 67.5° | 263.5 | 236.4 | 229.0 | 225.7 | 222.5 | 220.0 | 217.5 | 215.1 | 210.1 | 205.2 | 198.7 |
| 70° | 229.0 | 209.3 | 205.2 | 204.4 | 200.3 | 197.8 | 197.0 | 194.5 | 189.6 | 184.7 | 176.5 |
| 72.5° | 196.2 | 184.7 | 181.4 | 181.4 | 176.5 | 173.2 | 171.6 | 170.7 | 167.5 | 163.4 | 156.0 |
| 75° | 158.4 | 150.2 | 149.4 | 153.5 | 153.5 | 151.0 | 149.4 | 151.0 | 146.1 | 143.7 | 136.3 |
| 77.5° | 129.7 | 125.6 | 123.1 | 124.8 | 129.7 | 127.2 | 124.0 | 124.0 | 124.0 | 119.8 | 117.4 |
| 80° | 110.0 | 106.7 | 104.3 | 105.9 | 105.1 | 104.3 | 102.6 | 99.3 | 99.3 | 99.3 | 98.5 |
| 82.5° | 99.3 | 98.5 | 89.5 | 89.5 | 86.2 | 83.7 | 82.1 | 80.4 | 78.8 | 78.8 | 82.9 |
| 85° | 74.7 | 77.2 | 72.2 | 71.4 | 67.3 | 64.0 | 60.7 | 59.1 | 57.5 | 59.9 | 68.1 |
| 87.5° | 36.1 | 36.1 | 34.5 | 38.6 | 35.3 | 33.7 | 31.2 | 29.6 | 31.2 | 38.6 | 46.0 |
| 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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CATALOG NUMBER: VTS-E04-LED-E1-SLR-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 |
| 2.5° | 1335.6 | 1334.8 | 1333.9 | 1332.3 | 1329.0 | 1328.2 | 1326.5 | 1326.5 | 1325.7 | 1324.1 | 1325.7 |
| 5° | 1333.1 | 1334.8 | 1334.8 | 1333.9 | 1331.5 | 1333.1 | 1333.1 | 1335.6 | 1335.6 | 1337.2 | 1341.3 |
| 7.5° | 1329.8 | 1333.9 | 1337.2 | 1339.7 | 1343.0 | 1345.4 | 1350.4 | 1357.7 | 1361.0 | 1366.8 | 1369.2 |
| 10° | 1323.3 | 1330.7 | 1336.4 | 1343.8 | 1352.0 | 1361.0 | 1368.4 | 1379.9 | 1384.0 | 1392.2 | 1396.3 |
| 12.5° | 1304.4 | 1316.7 | 1326.5 | 1341.3 | 1355.3 | 1369.2 | 1382.4 | 1397.1 | 1404.5 | 1413.6 | 1419.3 |
| 15° | 1258.4 | 1272.4 | 1286.3 | 1299.5 | 1324.1 | 1351.2 | 1372.5 | 1392.2 | 1402.9 | 1414.4 | 1420.1 |
| 17.5° | 1203.4 | 1212.4 | 1223.9 | 1241.2 | 1265.0 | 1288.8 | 1323.3 | 1351.2 | 1367.6 | 1380.7 | 1382.4 |
| 20° | 1139.4 | 1152.5 | 1160.7 | 1167.3 | 1186.2 | 1202.6 | 1239.5 | 1271.5 | 1292.9 | 1308.5 | 1312.6 |
| 22.5° | 1041.7 | 1055.7 | 1069.6 | 1074.5 | 1089.3 | 1110.7 | 1131.2 | 1165.7 | 1196.0 | 1219.0 | 1233.0 |
| 25° | 930.1 | 943.2 | 962.1 | 976.9 | 980.1 | 997.4 | 1017.9 | 1057.3 | 1088.5 | 1125.4 | 1141.9 |
| 27.5° | 818.4 | 829.9 | 850.4 | 858.6 | 868.5 | 885.7 | 902.2 | 935.0 | 967.8 | 1010.5 | 1028.6 |
| 30° | 687.9 | 712.5 | 736.3 | 751.9 | 760.1 | 780.7 | 792.2 | 824.2 | 854.5 | 885.7 | 912.0 |
| 32.5° | 576.3 | 598.4 | 625.5 | 645.2 | 655.1 | 670.7 | 688.7 | 715.8 | 739.6 | 770.0 | 800.4 |
| 35° | 473.7 | 504.0 | 522.1 | 539.3 | 564.8 | 572.2 | 590.2 | 614.8 | 628.8 | 661.6 | 696.1 |
| 37.5° | 401.4 | 419.5 | 437.5 | 454.8 | 476.1 | 486.0 | 503.2 | 523.7 | 540.1 | 559.8 | 591.0 |
| 40° | 357.1 | 366.9 | 380.1 | 391.6 | 407.2 | 419.5 | 428.5 | 445.7 | 458.1 | 477.8 | 499.9 |
| 42.5° | 336.6 | 339.0 | 340.7 | 348.9 | 357.1 | 365.3 | 375.1 | 382.5 | 397.3 | 412.1 | 426.0 |
| 45° | 325.1 | 320.1 | 317.7 | 318.5 | 321.8 | 326.7 | 334.9 | 343.1 | 353.0 | 362.0 | 370.2 |
| 47.5° | 315.2 | 308.7 | 301.3 | 297.2 | 298.0 | 299.6 | 306.2 | 312.8 | 317.7 | 325.1 | 328.4 |
| 50° | 292.2 | 286.5 | 279.9 | 274.2 | 275.0 | 275.8 | 281.6 | 286.5 | 289.8 | 292.2 | 296.3 |
| 52.5° | 277.5 | 269.3 | 263.5 | 257.8 | 256.9 | 259.4 | 264.3 | 269.3 | 270.9 | 272.5 | 273.4 |
| 55° | 266.8 | 258.6 | 251.2 | 245.4 | 243.0 | 248.7 | 250.4 | 256.9 | 259.4 | 259.4 | 260.2 |
| 57.5° | 258.6 | 248.7 | 241.3 | 235.6 | 231.5 | 235.6 | 239.7 | 247.1 | 247.9 | 246.3 | 246.3 |
| 60° | 246.3 | 238.9 | 231.5 | 225.7 | 221.6 | 224.9 | 228.2 | 236.4 | 236.4 | 232.3 | 231.5 |
| 62.5° | 224.9 | 220.8 | 215.9 | 213.4 | 212.6 | 215.9 | 218.4 | 224.9 | 222.5 | 217.5 | 215.9 |
| 65° | 209.3 | 206.0 | 201.1 | 199.5 | 198.7 | 203.6 | 204.4 | 208.5 | 205.2 | 202.8 | 201.9 |
| 67.5° | 190.4 | 188.0 | 185.5 | 184.7 | 182.2 | 182.2 | 183.9 | 186.3 | 184.7 | 184.7 | 185.5 |
| 70° | 169.1 | 165.8 | 163.4 | 164.2 | 162.5 | 162.5 | 163.4 | 165.0 | 164.2 | 165.8 | 167.5 |
| 72.5° | 149.4 | 145.3 | 144.5 | 144.5 | 142.8 | 143.7 | 143.7 | 144.5 | 146.1 | 146.9 | 151.0 |
| 75° | 130.5 | 126.4 | 126.4 | 125.6 | 125.6 | 125.6 | 126.4 | 128.1 | 129.7 | 130.5 | 132.2 |
| 77.5° | 113.3 | 110.8 | 111.6 | 110.8 | 110.8 | 110.8 | 110.8 | 113.3 | 114.1 | 114.9 | 117.4 |
| 80° | 97.7 | 97.7 | 98.5 | 98.5 | 97.7 | 96.9 | 97.7 | 99.3 | 100.1 | 101.0 | 101.8 |
| 82.5° | 88.7 | 89.5 | 89.5 | 89.5 | 85.4 | 83.7 | 86.2 | 87.8 | 89.5 | 90.3 | 91.9 |
| 85° | 76.3 | 73.1 | 76.3 | 75.5 | 69.8 | 69.0 | 69.0 | 69.8 | 71.4 | 69.8 | 69.8 |
| 87.5° | 49.3 | 44.3 | 46.8 | 46.8 | 41.0 | 33.7 | 42.7 | 46.0 | 41.0 | 43.5 | 43.5 |
| 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: P158992

CATALOG NUMBER: VTS-E04-LED-E1-SLR-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 |
| 2.5° | 1328.2 | 1326.5 | 1327.4 | 1327.4 | 1329.0 | 1326.5 | 1329.8 | 1333.1 | 1333.9 | 1333.9 | 1334.8 |
| 5° | 1345.4 | 1343.8 | 1349.5 | 1347.1 | 1352.8 | 1352.0 | 1356.1 | 1359.4 | 1361.0 | 1361.0 | 1361.0 |
| 7.5° | 1372.5 | 1378.3 | 1381.5 | 1390.6 | 1391.4 | 1396.3 | 1400.4 | 1404.5 | 1402.9 | 1403.7 | 1402.9 |
| 10° | 1402.9 | 1410.3 | 1418.5 | 1427.5 | 1428.3 | 1434.1 | 1440.7 | 1444.8 | 1443.1 | 1442.3 | 1439.8 |
| 12.5° | 1429.2 | 1434.1 | 1443.9 | 1453.0 | 1457.9 | 1466.9 | 1473.5 | 1476.8 | 1476.8 | 1474.3 | 1471.8 |
| 15° | 1427.5 | 1434.9 | 1445.6 | 1458.7 | 1467.7 | 1480.9 | 1492.4 | 1499.8 | 1500.6 | 1498.1 | 1497.3 |
| 17.5° | 1391.4 | 1402.1 | 1411.9 | 1430.0 | 1446.4 | 1464.5 | 1483.3 | 1494.0 | 1503.9 | 1509.6 | 1512.9 |
| 20° | 1326.5 | 1339.7 | 1353.6 | 1377.4 | 1399.6 | 1423.4 | 1445.6 | 1461.2 | 1476.0 | 1493.2 | 1513.7 |
| 22.5° | 1250.2 | 1269.9 | 1289.6 | 1320.0 | 1347.1 | 1374.2 | 1399.6 | 1418.5 | 1441.5 | 1471.0 | 1509.6 |
| 25° | 1160.7 | 1181.3 | 1205.9 | 1241.2 | 1275.7 | 1315.1 | 1352.8 | 1390.6 | 1434.9 | 1485.8 | 1545.7 |
| 27.5° | 1054.8 | 1077.8 | 1109.8 | 1152.5 | 1191.9 | 1232.1 | 1291.3 | 1351.2 | 1423.4 | 1489.1 | 1557.2 |
| 30° | 949.8 | 979.3 | 1013.8 | 1056.5 | 1095.9 | 1153.3 | 1212.4 | 1286.3 | 1362.7 | 1436.5 | 1517.8 |
| 32.5° | 836.5 | 873.4 | 916.1 | 951.4 | 995.7 | 1054.0 | 1113.1 | 1191.9 | 1273.2 | 1360.2 | 1449.7 |
| 35° | 727.3 | 762.6 | 796.3 | 835.7 | 880.0 | 935.0 | 992.4 | 1068.0 | 1170.6 | 1263.3 | 1370.1 |
| 37.5° | 616.5 | 649.3 | 673.1 | 704.3 | 742.9 | 803.6 | 865.2 | 952.2 | 1049.1 | 1163.2 | 1269.9 |
| 40° | 519.6 | 546.7 | 573.8 | 598.4 | 631.3 | 688.7 | 754.4 | 839.8 | 935.0 | 1045.8 | 1164.8 |
| 42.5° | 442.5 | 463.0 | 492.5 | 522.1 | 550.0 | 599.2 | 660.8 | 744.5 | 838.9 | 952.2 | 1071.3 |
| 45° | 377.6 | 391.6 | 415.4 | 440.0 | 474.5 | 515.5 | 574.6 | 660.0 | 756.0 | 870.1 | 995.7 |
| 47.5° | 330.8 | 337.4 | 353.8 | 379.2 | 411.3 | 451.5 | 502.4 | 579.5 | 673.1 | 788.0 | 920.2 |
| 50° | 298.8 | 306.2 | 314.4 | 335.7 | 364.5 | 405.5 | 447.4 | 514.7 | 600.1 | 712.5 | 843.9 |
| 52.5° | 276.6 | 279.9 | 283.2 | 296.3 | 322.6 | 357.1 | 401.4 | 452.3 | 538.5 | 646.0 | 764.2 |
| 55° | 263.5 | 264.3 | 266.8 | 273.4 | 293.1 | 325.1 | 363.7 | 412.1 | 479.4 | 581.2 | 701.9 |
| 57.5° | 247.9 | 249.5 | 252.0 | 256.1 | 268.4 | 297.2 | 330.0 | 369.4 | 425.2 | 510.6 | 626.3 |
| 60° | 233.1 | 237.2 | 241.3 | 243.8 | 250.4 | 267.6 | 295.5 | 326.7 | 371.9 | 435.9 | 527.8 |
| 62.5° | 217.5 | 222.5 | 225.7 | 228.2 | 230.7 | 241.3 | 261.9 | 282.4 | 310.3 | 352.2 | 421.1 |
| 65° | 203.6 | 206.9 | 209.3 | 211.0 | 212.6 | 215.9 | 224.9 | 233.1 | 241.3 | 266.8 | 316.9 |
| 67.5° | 188.0 | 189.6 | 190.4 | 191.3 | 190.4 | 190.4 | 191.3 | 194.5 | 197.8 | 207.7 | 231.5 |
| 70° | 169.9 | 172.4 | 172.4 | 173.2 | 173.2 | 170.7 | 170.7 | 170.7 | 170.7 | 173.2 | 186.3 |
| 72.5° | 152.7 | 156.0 | 156.0 | 156.8 | 156.0 | 155.1 | 155.1 | 155.1 | 157.6 | 159.3 | 164.2 |
| 75° | 136.3 | 139.6 | 138.7 | 139.6 | 140.4 | 140.4 | 142.0 | 142.8 | 145.3 | 146.1 | 149.4 |
| 77.5° | 119.8 | 122.3 | 123.1 | 122.3 | 124.0 | 125.6 | 128.9 | 130.5 | 131.3 | 132.2 | 133.0 |
| 80° | 104.3 | 105.9 | 105.1 | 102.6 | 106.7 | 109.2 | 114.1 | 119.8 | 118.2 | 119.0 | 120.7 |
| 82.5° | 86.2 | 83.7 | 82.1 | 83.7 | 86.2 | 89.5 | 94.4 | 101.8 | 102.6 | 106.7 | 105.9 |
| 85° | 66.5 | 59.1 | 58.3 | 62.4 | 61.6 | 65.7 | 73.9 | 79.6 | 84.6 | 88.7 | 84.6 |
| 87.5° | 39.4 | 35.3 | 29.6 | 27.9 | 30.4 | 40.2 | 41.9 | 50.9 | 55.0 | 56.6 | 50.9 |
| 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: P158992

CATALOG NUMBER: VTS-E04-LED-E1-SLR-7060

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 |
| 2.5° | 1409.5 | 1413.6 | 1413.6 | 1415.2 | 1417.7 | 1418.5 | 1421.8 | 1427.5 | 1428.3 | 1428.3 | 1430.8 |
| 5° | 1435.7 | 1439.8 | 1439.8 | 1443.1 | 1443.9 | 1448.0 | 1452.1 | 1458.7 | 1462.0 | 1461.2 | 1471.8 |
| 7.5° | 1478.4 | 1475.1 | 1472.7 | 1477.6 | 1480.1 | 1485.0 | 1493.2 | 1498.9 | 1504.7 | 1513.7 | 1528.5 |
| 10° | 1514.5 | 1509.6 | 1507.1 | 1510.4 | 1512.1 | 1517.8 | 1522.7 | 1530.9 | 1544.9 | 1558.9 | 1576.9 |
| 12.5° | 1544.1 | 1538.3 | 1531.8 | 1533.4 | 1535.9 | 1543.3 | 1551.5 | 1562.1 | 1582.7 | 1600.7 | 1627.8 |
| 15° | 1568.7 | 1560.5 | 1553.9 | 1557.2 | 1563.0 | 1572.8 | 1586.8 | 1605.6 | 1639.3 | 1670.5 | 1706.6 |
| 17.5° | 1592.5 | 1590.9 | 1588.4 | 1599.1 | 1603.2 | 1626.2 | 1646.7 | 1681.2 | 1727.1 | 1773.9 | 1825.6 |
| 20° | 1615.5 | 1633.6 | 1642.6 | 1663.9 | 1677.1 | 1708.3 | 1739.5 | 1781.3 | 1839.6 | 1903.6 | 1974.2 |
| 22.5° | 1647.5 | 1696.8 | 1727.1 | 1770.6 | 1792.8 | 1826.5 | 1872.4 | 1927.4 | 1992.3 | 2074.4 | 2164.7 |
| 25° | 1723.9 | 1796.1 | 1856.8 | 1925.0 | 1980.8 | 2032.5 | 2087.5 | 2154.0 | 2247.6 | 2322.3 | 2440.5 |
| 27.5° | 1757.5 | 1859.3 | 1950.4 | 2046.5 | 2130.2 | 2209.8 | 2296.8 | 2377.3 | 2488.1 | 2589.1 | 2731.9 |
| 30° | 1725.5 | 1840.4 | 1958.6 | 2084.2 | 2206.5 | 2327.2 | 2453.6 | 2576.8 | 2704.8 | 2846.0 | 2997.9 |
| 32.5° | 1666.4 | 1795.3 | 1928.3 | 2076.0 | 2227.9 | 2384.7 | 2548.8 | 2727.8 | 2908.4 | 3084.1 | 3239.2 |
| 35° | 1606.5 | 1745.2 | 1893.0 | 2062.1 | 2241.0 | 2435.6 | 2639.1 | 2865.7 | 3104.6 | 3327.0 | 3529.8 |
| 37.5° | 1519.5 | 1672.1 | 1841.2 | 2036.6 | 2249.2 | 2488.9 | 2750.8 | 3029.9 | 3332.0 | 3638.2 | 3904.1 |
| 40° | 1414.4 | 1576.1 | 1760.8 | 1985.7 | 2241.0 | 2543.9 | 2884.6 | 3242.5 | 3630.8 | 4004.3 | 4331.0 |
| 42.5° | 1318.3 | 1476.0 | 1673.0 | 1917.6 | 2219.7 | 2592.4 | 3011.8 | 3457.6 | 3917.3 | 4335.1 | 4762.0 |
| 45° | 1233.8 | 1407.8 | 1605.6 | 1870.0 | 2209.0 | 2633.4 | 3106.2 | 3618.5 | 4144.6 | 4642.1 | 5146.1 |
| 47.5° | 1156.6 | 1337.2 | 1558.9 | 1843.7 | 2204.1 | 2658.0 | 3171.9 | 3723.5 | 4306.4 | 4877.7 | 5463.0 |
| 50° | 1077.0 | 1252.7 | 1489.9 | 1815.0 | 2191.8 | 2657.2 | 3206.4 | 3794.9 | 4419.6 | 5060.8 | 5681.3 |
| 52.5° | 991.6 | 1168.1 | 1406.2 | 1762.4 | 2165.5 | 2642.4 | 3215.4 | 3843.4 | 4509.1 | 5173.2 | 5866.9 |
| 55° | 913.6 | 1078.6 | 1316.7 | 1674.6 | 2110.5 | 2606.3 | 3194.9 | 3863.9 | 4572.3 | 5284.9 | 5997.4 |
| 57.5° | 824.2 | 995.7 | 1222.3 | 1553.9 | 2007.1 | 2542.3 | 3136.6 | 3835.2 | 4590.4 | 5359.6 | 6100.8 |
| 60° | 701.0 | 869.3 | 1102.4 | 1411.1 | 1845.3 | 2406.8 | 3028.2 | 3748.2 | 4532.9 | 5372.7 | 6174.7 |
| 62.5° | 559.8 | 705.1 | 930.1 | 1214.1 | 1618.0 | 2194.2 | 2827.9 | 3552.8 | 4354.0 | 5249.6 | 6136.9 |
| 65° | 416.2 | 513.1 | 706.8 | 956.3 | 1354.5 | 1874.1 | 2505.3 | 3225.3 | 4004.3 | 4907.2 | 5899.7 |
| 67.5° | 289.8 | 359.5 | 478.6 | 664.1 | 985.1 | 1447.2 | 2044.8 | 2713.8 | 3463.3 | 4273.5 | 5407.2 |
| 70° | 219.2 | 251.2 | 316.0 | 419.5 | 637.8 | 985.9 | 1486.6 | 2082.6 | 2777.9 | 3558.5 | 4626.5 |
| 72.5° | 187.2 | 203.6 | 239.7 | 287.3 | 390.7 | 599.2 | 933.3 | 1433.3 | 2049.7 | 2685.1 | 3549.5 |
| 75° | 168.3 | 182.2 | 205.2 | 235.6 | 276.6 | 363.7 | 547.5 | 907.1 | 1357.7 | 1798.6 | 2476.6 |
| 77.5° | 152.7 | 165.0 | 185.5 | 201.1 | 223.3 | 261.9 | 348.9 | 542.6 | 813.5 | 1111.5 | 1536.7 |
| 80° | 136.3 | 143.7 | 162.5 | 178.1 | 195.4 | 217.5 | 250.4 | 340.7 | 467.1 | 658.3 | 906.3 |
| 82.5° | 116.6 | 122.3 | 136.3 | 157.6 | 170.7 | 179.8 | 189.6 | 225.7 | 279.9 | 357.1 | 503.2 |
| 85° | 90.3 | 94.4 | 106.7 | 122.3 | 128.1 | 128.9 | 130.5 | 140.4 | 174.0 | 267.6 | 433.4 |
| 87.5° | 46.0 | 50.9 | 64.0 | 69.0 | 58.3 | 63.2 | 64.0 | 68.1 | 90.3 | 146.9 | 149.4 |
| 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: P158992
 CATALOG NUMBER: VTS-E04-LED-E1-SLR-7060

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 0° |
| 2.5° | 1430.8 | 1433.3 | 1439.0 | 1438.2 | 1442.3 | 1442.3 | 1442.3 | 1446.4 | 1443.9 | 1446.4 | 1450.5 | 2.5° |
| 5° | 1471.8 | 1476.0 | 1484.2 | 1484.2 | 1485.0 | 1482.5 | 1487.4 | 1490.7 | 1486.6 | 1485.0 | 1485.8 | 5° |
| 7.5° | 1531.8 | 1538.3 | 1544.9 | 1551.5 | 1556.4 | 1553.9 | 1554.8 | 1547.4 | 1545.7 | 1540.0 | 1532.6 | 7.5° |
| 10° | 1590.1 | 1608.1 | 1620.4 | 1631.9 | 1632.7 | 1630.3 | 1631.1 | 1618.8 | 1616.3 | 1604.8 | 1597.4 | 10° |
| 12.5° | 1650.0 | 1673.0 | 1692.7 | 1705.0 | 1712.4 | 1714.0 | 1714.8 | 1714.8 | 1703.3 | 1693.5 | 1676.2 | 12.5° |
| 15° | 1738.6 | 1778.9 | 1809.2 | 1822.4 | 1833.0 | 1842.9 | 1845.3 | 1848.6 | 1839.6 | 1826.5 | 1824.0 | 15° |
| 17.5° | 1879.0 | 1916.8 | 1957.0 | 1992.3 | 2016.1 | 2017.7 | 2038.3 | 2036.6 | 2055.5 | 2040.7 | 2036.6 | 17.5° |
| 20° | 2045.6 | 2127.7 | 2169.6 | 2216.4 | 2243.5 | 2256.6 | 2304.2 | 2289.4 | 2303.4 | 2327.2 | 2303.4 | 20° |
| 22.5° | 2254.1 | 2358.4 | 2419.1 | 2483.2 | 2527.5 | 2559.5 | 2594.0 | 2621.1 | 2658.8 | 2676.9 | 2660.5 | 22.5° |
| 25° | 2530.8 | 2649.8 | 2722.1 | 2810.7 | 2881.3 | 2938.8 | 2998.7 | 3070.9 | 3070.1 | 3113.6 | 3144.0 | 25° |
| 27.5° | 2848.5 | 3000.3 | 3105.4 | 3261.4 | 3322.1 | 3419.0 | 3521.6 | 3633.2 | 3652.9 | 3709.6 | 3738.3 | 27.5° |
| 30° | 3147.3 | 3335.3 | 3543.8 | 3729.3 | 3939.4 | 4083.1 | 4202.1 | 4280.9 | 4399.9 | 4370.4 | 4354.0 | 30° |
| 32.5° | 3423.1 | 3673.5 | 3970.6 | 4275.2 | 4608.4 | 4835.8 | 5046.0 | 5143.7 | 5217.5 | 5060.8 | 4853.1 | 32.5° |
| 35° | 3781.0 | 4080.6 | 4420.5 | 4796.4 | 5220.0 | 5542.6 | 5759.3 | 5789.7 | 5747.8 | 5546.7 | 5202.8 | 35° |
| 37.5° | 4224.3 | 4538.7 | 4925.3 | 5322.6 | 5772.5 | 6075.4 | 6322.5 | 6366.8 | 6256.0 | 5897.2 | 5536.0 | 37.5° |
| 40° | 4661.8 | 5030.4 | 5449.9 | 5920.2 | 6386.5 | 6719.8 | 6967.7 | 6980.8 | 6800.2 | 6380.7 | 5958.0 | 40° |
| 42.5° | 5140.4 | 5543.4 | 6010.5 | 6531.8 | 7013.6 | 7351.0 | 7530.0 | 7586.6 | 7331.3 | 6793.6 | 6388.1 | 42.5° |
| 45° | 5553.3 | 6035.1 | 6555.6 | 7109.7 | 7613.7 | 7933.8 | 8116.1 | 8098.0 | 7789.4 | 7258.3 | 6783.0 | 45° |
| 47.5° | 5955.5 | 6485.8 | 7034.2 | 7622.7 | 8123.5 | 8446.9 | 8634.1 | 8617.6 | 8226.1 | 7614.5 | 7091.6 | 47.5° |
| 50° | 6313.4 | 6888.9 | 7475.0 | 8103.8 | 8602.9 | 8899.2 | 9128.2 | 9056.0 | 8561.0 | 7901.0 | 7290.3 | 50° |
| 52.5° | 6562.1 | 7204.1 | 7816.5 | 8496.2 | 9010.0 | 9290.8 | 9582.2 | 9349.9 | 8758.8 | 8076.7 | 7397.0 | 52.5° |
| 55° | 6719.8 | 7420.8 | 8059.4 | 8811.4 | 9316.2 | 9652.0 | 9839.9 | 9509.9 | 8835.2 | 8125.1 | 7433.9 | 55° |
| 57.5° | 6826.5 | 7539.8 | 8202.3 | 8993.6 | 9592.0 | 9873.6 | 9919.6 | 9515.7 | 8785.9 | 8048.8 | 7397.0 | 57.5° |
| 60° | 6879.0 | 7575.1 | 8267.1 | 9121.7 | 9785.8 | 9940.1 | 9856.4 | 9382.7 | 8616.0 | 7824.7 | 7158.9 | 60° |
| 62.5° | 6873.3 | 7530.8 | 8233.5 | 9164.4 | 9824.3 | 9844.0 | 9653.6 | 9156.1 | 8303.2 | 7354.3 | 6763.3 | 62.5° |
| 65° | 6727.1 | 7369.1 | 8043.8 | 9005.9 | 9644.6 | 9560.0 | 9320.3 | 8730.9 | 7695.0 | 6740.3 | 6441.5 | 65° |
| 67.5° | 6306.0 | 6921.7 | 7548.0 | 8487.1 | 9138.1 | 9056.0 | 8693.2 | 7895.3 | 6988.2 | 6196.9 | 6036.0 | 67.5° |
| 70° | 5601.7 | 6123.8 | 6673.8 | 7498.8 | 8181.8 | 8070.9 | 7436.4 | 6951.2 | 6288.0 | 5568.9 | 5513.1 | 70° |
| 72.5° | 4683.1 | 5078.8 | 5477.8 | 6091.8 | 6562.1 | 6335.6 | 5936.6 | 5911.2 | 5375.2 | 4826.0 | 4837.5 | 72.5° |
| 75° | 3662.8 | 3959.9 | 4146.3 | 4507.5 | 4820.2 | 4617.5 | 4641.3 | 4782.5 | 4606.0 | 4173.4 | 4033.0 | 75° |
| 77.5° | 2653.9 | 2938.8 | 2997.9 | 3212.1 | 3432.1 | 3662.8 | 3968.2 | 4300.6 | 4356.4 | 4113.5 | 3604.5 | 77.5° |
| 80° | 1737.0 | 2050.6 | 1934.0 | 2010.3 | 2319.8 | 2740.9 | 3298.3 | 3845.8 | 4033.8 | 3815.5 | 3189.1 | 80° |
| 82.5° | 1024.5 | 1463.6 | 1278.1 | 1408.6 | 1604.8 | 1971.8 | 2356.8 | 2769.7 | 3084.1 | 2851.8 | 2663.8 | 82.5° |
| 85° | 778.2 | 1154.2 | 1222.3 | 1380.7 | 1444.8 | 1460.4 | 1527.7 | 1662.3 | 1824.8 | 1885.6 | 1880.6 | 85° |
| 87.5° | 405.5 | 897.2 | 1007.2 | 931.7 | 869.3 | 753.6 | 587.8 | 632.9 | 578.7 | 791.3 | 749.5 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



NUMBER: P158992

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DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 | 1371.7 |
| 1451.3 | 1448.9 | 1450.5 | 1451.3 | 1451.3 | 1451.3 | 1453.0 |
| 1485.0 | 1478.4 | 1476.0 | 1476.0 | 1475.1 | 1472.7 | 1471.8 |
| 1521.1 | 1509.6 | 1505.5 | 1500.6 | 1496.5 | 1494.0 | 1489.9 |
| 1585.9 | 1576.1 | 1555.6 | 1544.1 | 1533.4 | 1526.0 | 1519.5 |
| 1673.0 | 1659.0 | 1639.3 | 1624.5 | 1608.1 | 1603.2 | 1595.0 |
| 1807.6 | 1795.3 | 1778.0 | 1761.6 | 1751.8 | 1734.5 | 1722.2 |
| 2017.7 | 1993.1 | 1975.9 | 1954.5 | 1930.7 | 1895.4 | 1878.2 |
| 2294.4 | 2245.1 | 2210.6 | 2191.8 | 2144.1 | 2138.4 | 2096.5 |
| 2612.1 | 2597.3 | 2544.7 | 2521.8 | 2475.8 | 2457.7 | 2392.1 |
| 3087.3 | 3075.9 | 2968.3 | 2956.8 | 2886.2 | 2833.7 | 2731.9 |
| 3712.0 | 3617.6 | 3496.1 | 3411.6 | 3290.9 | 3155.5 | 2982.3 |
| 4257.9 | 4065.0 | 3879.5 | 3682.5 | 3515.8 | 3321.3 | 3125.1 |
| 4606.0 | 4347.4 | 4108.5 | 3906.6 | 3700.5 | 3469.1 | 3217.0 |
| 4911.4 | 4650.3 | 4390.1 | 4151.2 | 3901.7 | 3605.3 | 3294.2 |
| 5276.6 | 5017.2 | 4724.2 | 4388.4 | 4068.3 | 3705.5 | 3325.4 |
| 5651.0 | 5347.2 | 4981.1 | 4569.9 | 4167.6 | 3754.7 | 3319.7 |
| 6034.3 | 5646.0 | 5159.3 | 4690.5 | 4230.8 | 3762.1 | 3281.1 |
| 6345.4 | 5854.5 | 5291.4 | 4752.1 | 4244.0 | 3736.7 | 3232.6 |
| 6565.4 | 5988.4 | 5350.5 | 4773.4 | 4227.6 | 3696.4 | 3167.0 |
| 6691.0 | 6061.4 | 5365.3 | 4757.8 | 4193.9 | 3639.0 | 3095.6 |
| 6737.0 | 6083.6 | 5350.5 | 4725.8 | 4163.5 | 3577.4 | 3045.5 |
| 6732.1 | 6071.3 | 5296.3 | 4651.1 | 4082.3 | 3495.3 | 2983.9 |
| 6639.3 | 5957.2 | 5185.5 | 4561.7 | 4013.3 | 3457.6 | 2988.0 |
| 6481.7 | 5884.9 | 5152.7 | 4579.7 | 4049.4 | 3538.8 | 3117.7 |
| 6410.3 | 6029.4 | 5337.4 | 4760.3 | 4234.9 | 3771.1 | 3385.3 |
| 6370.1 | 6264.2 | 5601.7 | 4954.9 | 4454.9 | 4052.7 | 3704.7 |
| 6205.9 | 6331.5 | 5751.9 | 5065.7 | 4651.1 | 4335.1 | 4024.0 |
| 5940.7 | 6174.7 | 5637.8 | 5044.3 | 4759.5 | 4551.8 | 4138.9 |
| 5387.5 | 5634.6 | 5129.7 | 4729.9 | 4624.0 | 4555.1 | 3966.5 |
| 4364.6 | 4492.7 | 4205.4 | 4115.1 | 4154.5 | 4155.3 | 3327.0 |
| 3218.7 | 3141.5 | 3011.8 | 3018.4 | 3283.5 | 3242.5 | 2371.5 |
| 2627.7 | 2150.7 | 1966.8 | 2036.6 | 2364.1 | 2187.7 | 1489.9 |
| 2445.4 | 1918.4 | 1583.5 | 1599.9 | 1785.4 | 1409.5 | 897.2 |
| 1977.5 | 1748.5 | 1402.1 | 1258.4 | 1221.5 | 939.1 | 609.1 |
| 827.5 | 761.0 | 566.4 | 510.6 | 418.7 | 256.1 | 116.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)