

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: P165370

Luminaire Tested: **VTS-F04-LED-E1-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165370
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-F04-LED-E1-SL4-HSS-8030
Description: VENTUS LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5603.1 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

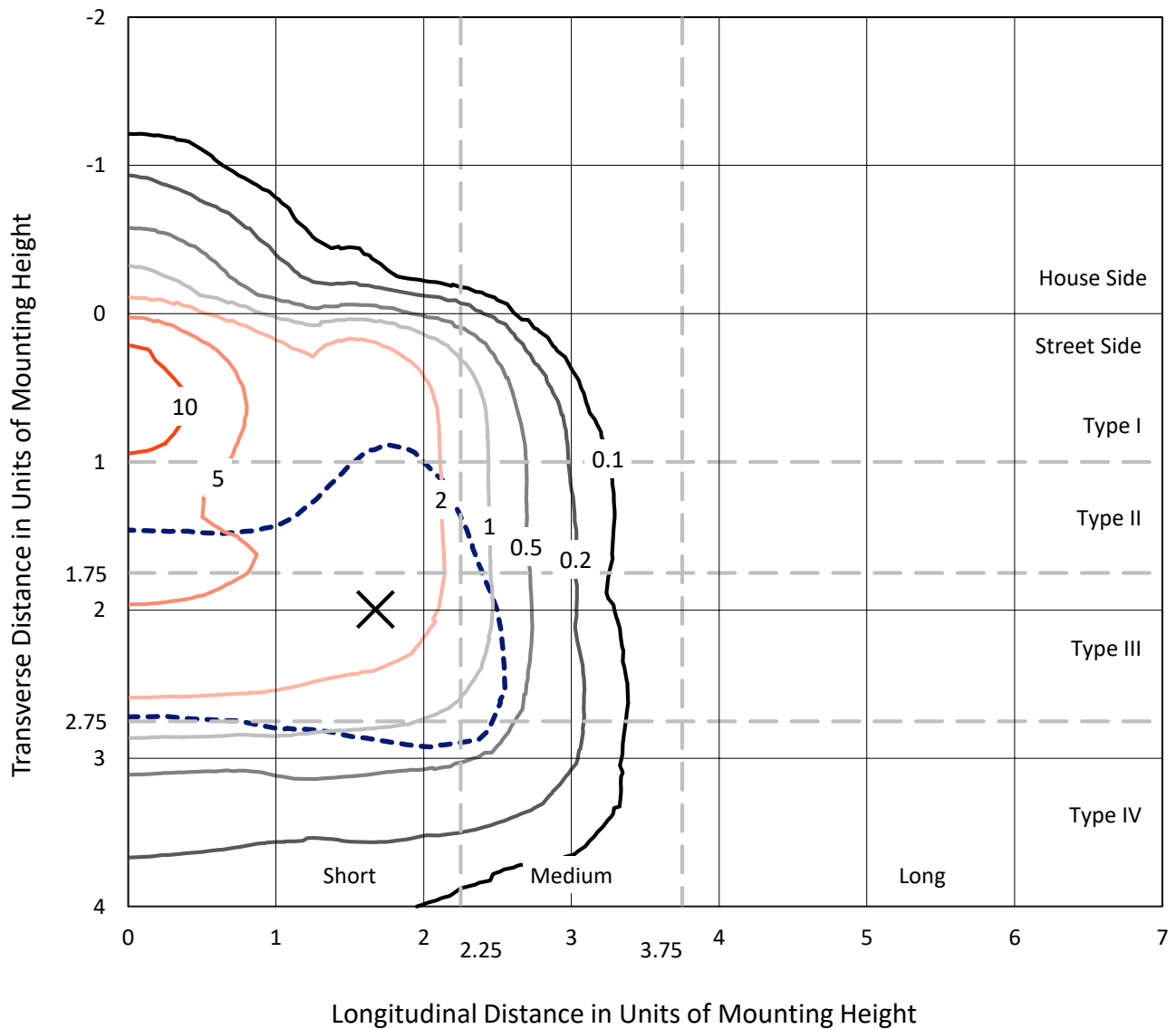
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

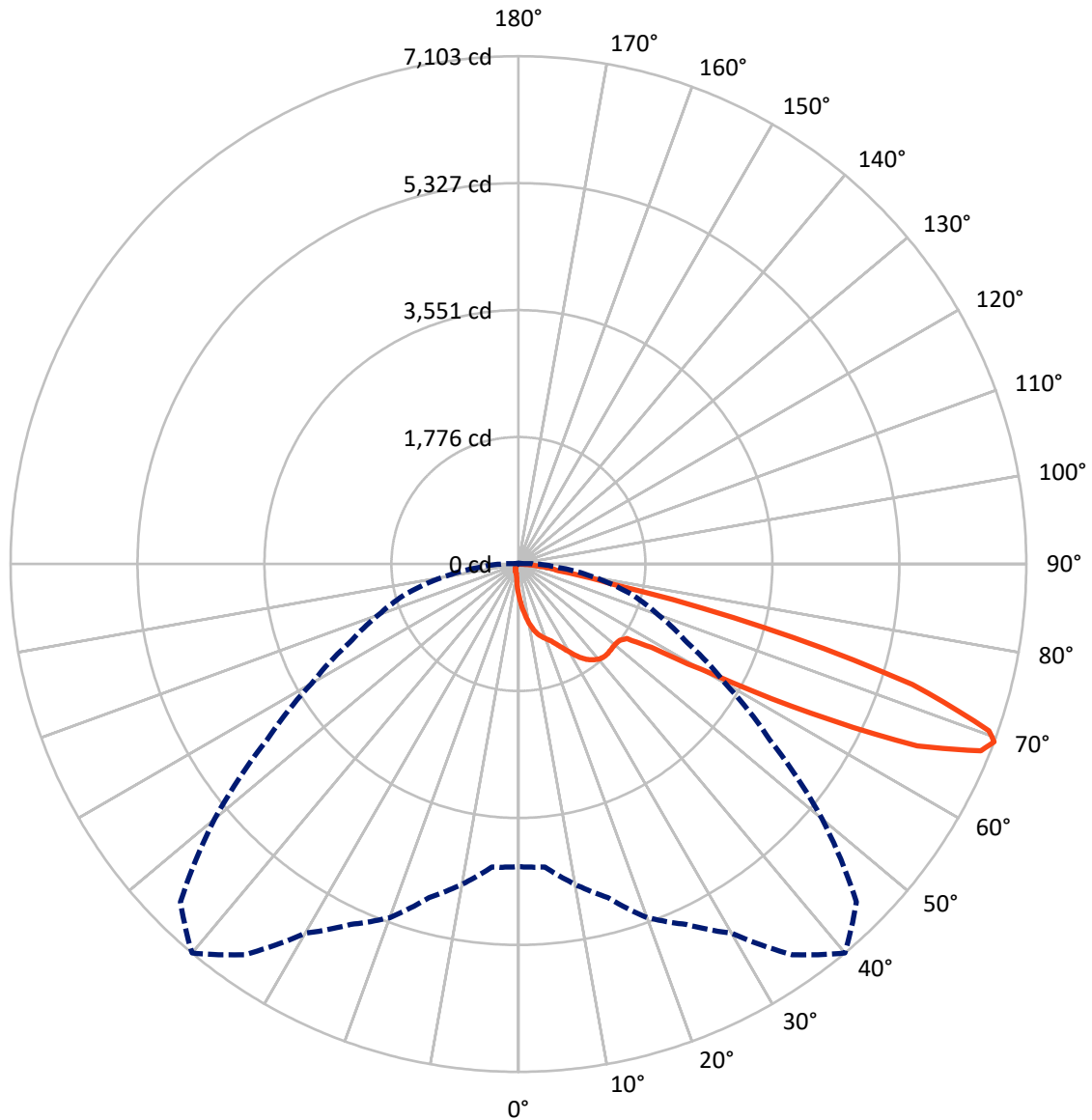


Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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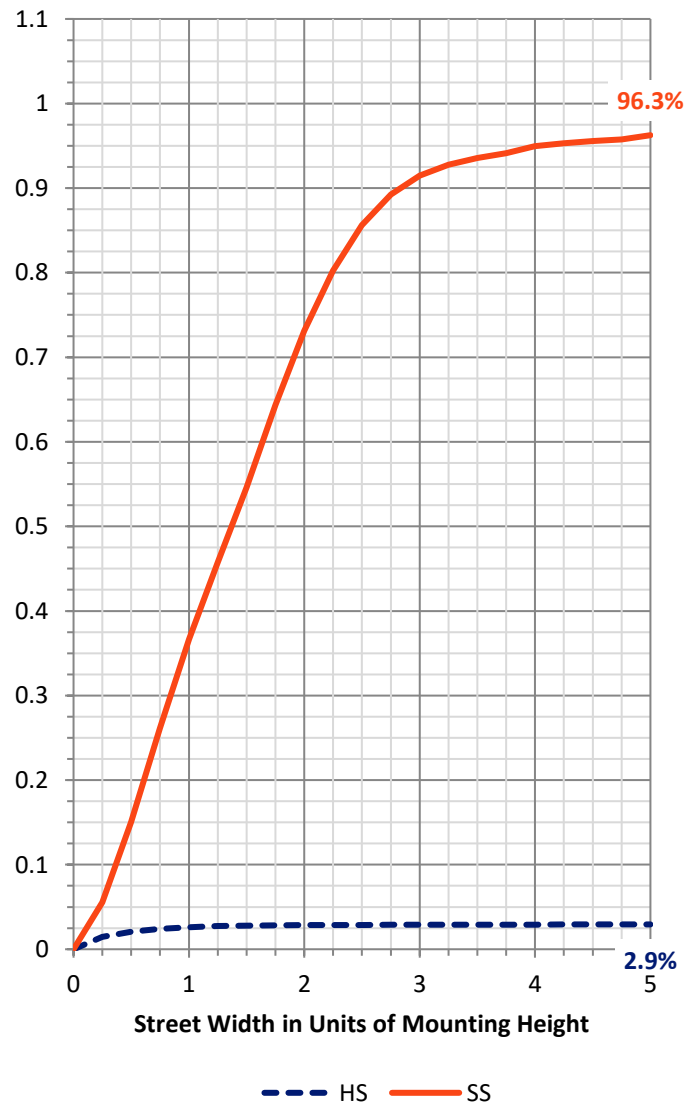
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 166.9 | 0.0 | 166.9 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 5436.3 | 0.0 | 5436.3 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 5603.1 | 0.0 | 5603.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.5 | 0.8 |
| 10°-20° | 150.0 | 2.7 |
| 20°-30° | 287.0 | 5.1 |
| 30°-40° | 477.3 | 8.5 |
| 40°-50° | 645.8 | 11.5 |
| 50°-60° | 1010.0 | 18.0 |
| 60°-70° | 2076.6 | 37.1 |
| 70°-80° | 835.6 | 14.9 |
| 80°-90° | 77.3 | 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° | 5603.1 | 100.0 |
| 0°-180° | 5603.1 | 100.0 |



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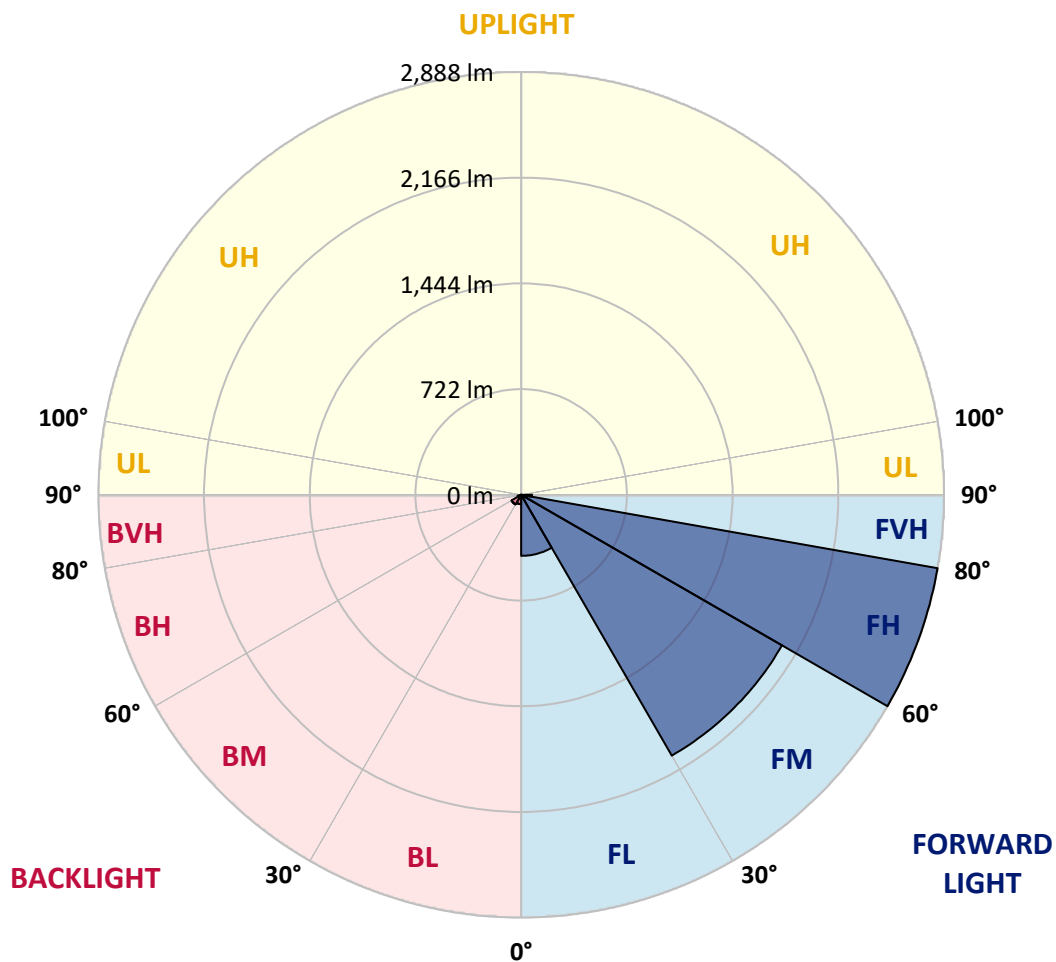
CATALOG NUMBER: VTS-F04-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 417.0 | 7.4 | | | |
| FM (30°-60°) | 2057.0 | 36.7 | | | |
| FH (60°-80°) | 2887.9 | 51.5 | | | G2/5000 |
| FVH (80°-90°) | 74.4 | 1.3 | | | G1/100 |
| BL (0°-30°) | 63.5 | 1.1 | B0/110 | | |
| BM (30°-60°) | 76.2 | 1.4 | B0/220 | | |
| BH (60°-80°) | 24.3 | 0.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 2.9 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 |
| 2.5° | 564.5 | 558.1 | 550.7 | 550.7 | 541.6 | 541.6 | 536.0 | 521.4 | 519.5 | 511.2 | 503.0 |
| 5° | 720.5 | 715.0 | 705.9 | 697.6 | 690.3 | 677.4 | 668.2 | 650.8 | 631.5 | 613.1 | 596.6 |
| 7.5° | 872.9 | 870.1 | 853.6 | 850.9 | 838.9 | 817.9 | 799.5 | 773.8 | 740.7 | 715.0 | 684.8 |
| 10° | 1014.3 | 1007.8 | 1004.1 | 988.5 | 971.1 | 948.2 | 919.7 | 888.5 | 850.0 | 809.6 | 766.4 |
| 12.5° | 1126.3 | 1122.6 | 1106.0 | 1099.6 | 1081.3 | 1058.3 | 1022.5 | 982.1 | 943.6 | 891.3 | 840.8 |
| 15° | 1209.8 | 1203.3 | 1192.3 | 1182.2 | 1160.2 | 1140.0 | 1107.0 | 1062.9 | 1016.1 | 959.2 | 898.6 |
| 17.5° | 1279.5 | 1267.6 | 1264.8 | 1249.2 | 1226.3 | 1202.4 | 1165.7 | 1125.3 | 1070.2 | 1013.3 | 947.2 |
| 20° | 1373.1 | 1356.6 | 1351.1 | 1328.1 | 1301.6 | 1268.5 | 1226.3 | 1175.8 | 1118.0 | 1055.6 | 987.6 |
| 22.5° | 1483.3 | 1471.3 | 1459.4 | 1439.2 | 1405.3 | 1358.5 | 1297.0 | 1241.9 | 1168.5 | 1099.6 | 1026.2 |
| 25° | 1639.3 | 1629.2 | 1610.0 | 1582.4 | 1540.2 | 1484.2 | 1409.9 | 1329.1 | 1242.8 | 1154.7 | 1068.4 |
| 27.5° | 1790.8 | 1781.6 | 1767.8 | 1746.7 | 1699.0 | 1637.5 | 1545.7 | 1442.9 | 1333.7 | 1227.2 | 1131.7 |
| 30° | 1933.1 | 1924.8 | 1911.0 | 1889.9 | 1847.7 | 1787.1 | 1683.4 | 1573.2 | 1437.4 | 1313.5 | 1198.8 |
| 32.5° | 2086.4 | 2083.6 | 2068.0 | 2037.7 | 2001.0 | 1919.3 | 1806.4 | 1688.0 | 1550.3 | 1407.1 | 1273.1 |
| 35° | 2259.8 | 2238.7 | 2224.0 | 2193.7 | 2131.3 | 2044.1 | 1912.0 | 1782.5 | 1637.5 | 1490.6 | 1341.0 |
| 37.5° | 2406.7 | 2386.5 | 2368.1 | 2329.6 | 2253.4 | 2142.3 | 1992.7 | 1850.4 | 1700.8 | 1551.2 | 1398.8 |
| 40° | 2514.0 | 2504.0 | 2481.9 | 2431.4 | 2346.1 | 2213.9 | 2052.4 | 1897.2 | 1746.7 | 1596.2 | 1445.6 |
| 42.5° | 2593.9 | 2578.3 | 2553.6 | 2501.2 | 2400.3 | 2249.7 | 2076.2 | 1916.5 | 1767.8 | 1623.7 | 1476.0 |
| 45° | 2623.3 | 2610.5 | 2587.5 | 2530.6 | 2421.4 | 2259.8 | 2075.3 | 1911.0 | 1768.8 | 1632.0 | 1496.1 |
| 47.5° | 2605.8 | 2593.0 | 2572.8 | 2519.6 | 2412.2 | 2247.9 | 2058.8 | 1895.4 | 1759.6 | 1634.8 | 1514.5 |
| 50° | 2548.0 | 2540.7 | 2525.1 | 2480.1 | 2383.7 | 2224.9 | 2044.1 | 1887.2 | 1757.7 | 1648.5 | 1540.2 |
| 52.5° | 2542.5 | 2538.0 | 2518.7 | 2473.7 | 2375.5 | 2217.6 | 2042.3 | 1891.8 | 1773.3 | 1666.0 | 1558.6 |
| 55° | 3107.0 | 3041.8 | 2895.9 | 2772.0 | 2568.2 | 2325.9 | 2135.0 | 1966.1 | 1839.4 | 1734.8 | 1659.5 |
| 57.5° | 4415.9 | 4318.6 | 4126.8 | 3890.9 | 3422.8 | 2962.9 | 2594.9 | 2328.7 | 2197.4 | 2149.7 | 2178.1 |
| 60° | 5029.0 | 5011.6 | 4981.3 | 4869.3 | 4629.8 | 4234.2 | 3793.6 | 3317.2 | 3126.3 | 3109.8 | 3167.6 |
| 62.5° | 5320.0 | 5309.0 | 5318.2 | 5304.4 | 5230.1 | 5114.4 | 4987.7 | 4782.2 | 4593.0 | 4471.0 | 4212.1 |
| 65° | 5454.0 | 5461.4 | 5513.7 | 5555.0 | 5564.2 | 5594.5 | 5687.2 | 5943.3 | 6130.5 | 5815.7 | 5097.0 |
| 67.5° | 5113.5 | 5156.6 | 5276.9 | 5427.4 | 5603.6 | 5774.4 | 6049.7 | 6589.4 | 6974.0 | 6604.2 | 5583.5 |
| 69° | 4233.3 | 4254.4 | 4548.1 | 4831.7 | 5262.2 | 5563.3 | 5962.6 | 6670.2 | 7102.6 | 6684.9 | 5544.9 |
| 70° | 3332.8 | 3352.1 | 3666.9 | 4052.4 | 4780.3 | 5167.7 | 5689.9 | 6533.5 | 6982.3 | 6577.5 | 5346.6 |
| 72.5° | 1503.5 | 1476.0 | 1587.0 | 1793.5 | 2584.7 | 3199.7 | 4113.0 | 5293.4 | 5760.6 | 5269.6 | 4000.1 |
| 75° | 1050.1 | 1038.1 | 1050.1 | 1051.0 | 1174.0 | 1514.5 | 1911.0 | 2869.3 | 3548.5 | 3062.1 | 1911.0 |
| 77.5° | 813.2 | 805.0 | 796.7 | 787.5 | 802.2 | 898.6 | 937.1 | 1017.9 | 1321.7 | 1250.2 | 728.8 |
| 80° | 643.4 | 636.1 | 656.3 | 649.9 | 649.9 | 660.9 | 653.5 | 623.2 | 566.3 | 525.0 | 469.9 |
| 82.5° | 299.2 | 301.0 | 301.0 | 326.7 | 393.8 | 459.8 | 481.0 | 450.7 | 400.2 | 340.5 | 274.5 |
| 85° | 28.4 | 32.1 | 54.2 | 83.6 | 166.2 | 187.2 | 188.2 | 156.0 | 156.0 | 123.0 | 99.1 |
| 87.5° | 0.0 | 0.9 | 0.9 | 0.9 | 8.2 | 23.0 | 19.3 | 5.5 | 2.7 | 2.7 | 4.6 |
| 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° | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 |
| 2.5° | 488.3 | 485.5 | 474.6 | 463.5 | 453.4 | 442.4 | 432.3 | 422.2 | 411.2 | 402.9 | 392.8 |
| 5° | 570.9 | 550.7 | 527.8 | 505.8 | 483.7 | 460.8 | 436.9 | 415.8 | 393.8 | 373.6 | 354.3 |
| 7.5° | 654.4 | 615.0 | 583.8 | 544.3 | 508.5 | 472.7 | 439.7 | 405.7 | 374.5 | 345.1 | 317.6 |
| 10° | 725.1 | 677.4 | 628.7 | 578.3 | 526.8 | 479.1 | 433.3 | 392.8 | 351.5 | 315.8 | 281.8 |
| 12.5° | 783.0 | 722.4 | 662.7 | 599.4 | 541.6 | 481.0 | 424.1 | 375.4 | 326.7 | 286.4 | 251.5 |
| 15° | 835.2 | 765.5 | 693.9 | 620.5 | 547.1 | 478.2 | 414.9 | 354.3 | 304.7 | 258.9 | 219.4 |
| 17.5° | 877.5 | 797.6 | 716.9 | 634.3 | 555.3 | 474.6 | 402.9 | 339.6 | 281.8 | 234.0 | 195.5 |
| 20° | 914.2 | 830.7 | 743.5 | 650.8 | 560.8 | 473.6 | 392.8 | 321.3 | 261.6 | 211.1 | 173.5 |
| 22.5° | 948.2 | 864.6 | 771.0 | 671.9 | 569.1 | 472.7 | 383.7 | 307.5 | 244.1 | 193.7 | 156.0 |
| 25° | 986.7 | 898.6 | 800.4 | 693.9 | 583.8 | 476.4 | 378.2 | 296.5 | 228.5 | 177.1 | 142.2 |
| 27.5° | 1029.9 | 937.1 | 835.2 | 721.4 | 603.0 | 483.7 | 376.3 | 284.5 | 214.8 | 161.5 | 131.3 |
| 30° | 1090.4 | 983.1 | 870.1 | 749.0 | 620.5 | 492.0 | 374.5 | 277.2 | 201.0 | 149.6 | 120.2 |
| 32.5° | 1143.7 | 1028.0 | 908.7 | 777.4 | 639.8 | 500.3 | 373.6 | 267.1 | 188.2 | 137.7 | 112.0 |
| 35° | 1199.7 | 1069.3 | 941.8 | 805.0 | 656.3 | 509.4 | 372.7 | 259.7 | 176.2 | 125.7 | 103.7 |
| 37.5° | 1248.3 | 1104.2 | 967.5 | 828.8 | 674.7 | 517.7 | 373.6 | 253.3 | 165.2 | 115.7 | 96.4 |
| 40° | 1289.6 | 1140.0 | 995.9 | 850.9 | 693.9 | 530.5 | 374.5 | 246.9 | 154.2 | 106.5 | 90.0 |
| 42.5° | 1326.4 | 1174.0 | 1026.2 | 875.7 | 716.0 | 545.2 | 380.0 | 241.4 | 145.0 | 98.2 | 83.6 |
| 45° | 1354.8 | 1205.2 | 1059.2 | 910.5 | 751.7 | 569.1 | 390.1 | 237.7 | 135.8 | 90.9 | 78.0 |
| 47.5° | 1384.2 | 1251.1 | 1115.2 | 965.6 | 804.1 | 606.7 | 407.6 | 236.8 | 128.5 | 85.3 | 73.4 |
| 50° | 1424.6 | 1297.0 | 1164.8 | 1021.6 | 851.8 | 645.3 | 428.6 | 237.7 | 119.3 | 79.9 | 68.8 |
| 52.5° | 1453.9 | 1343.8 | 1229.0 | 1118.9 | 965.6 | 762.7 | 510.3 | 254.2 | 114.7 | 75.2 | 63.3 |
| 55° | 1627.4 | 1608.1 | 1610.9 | 1629.2 | 1510.9 | 1297.9 | 853.6 | 367.2 | 134.9 | 85.3 | 62.4 |
| 57.5° | 2294.7 | 2362.6 | 2402.1 | 2401.2 | 2205.6 | 1829.3 | 1146.4 | 471.8 | 150.6 | 99.1 | 74.4 |
| 60° | 3172.2 | 3120.8 | 3048.3 | 2869.3 | 2609.5 | 2088.2 | 1282.3 | 507.6 | 130.3 | 78.9 | 67.9 |
| 62.5° | 3947.8 | 3646.7 | 3379.6 | 3089.6 | 2749.0 | 2178.1 | 1309.8 | 504.8 | 113.8 | 59.6 | 47.7 |
| 65° | 4431.5 | 3890.0 | 3458.6 | 3095.1 | 2694.0 | 2102.9 | 1239.1 | 463.5 | 96.4 | 48.7 | 39.5 |
| 67.5° | 4547.2 | 3758.7 | 3148.4 | 2684.8 | 2250.6 | 1636.6 | 909.6 | 348.8 | 75.2 | 40.4 | 34.9 |
| 69° | 4294.7 | 3341.1 | 2608.6 | 2082.7 | 1637.5 | 1085.8 | 562.7 | 220.3 | 57.8 | 36.7 | 32.1 |
| 70° | 3950.5 | 2906.0 | 2124.9 | 1671.4 | 1212.5 | 762.7 | 393.8 | 155.1 | 46.8 | 33.9 | 29.4 |
| 72.5° | 2541.6 | 1526.4 | 1044.5 | 726.9 | 500.3 | 303.8 | 154.2 | 69.8 | 35.8 | 28.4 | 23.9 |
| 75° | 985.8 | 564.5 | 409.4 | 311.1 | 243.2 | 168.9 | 93.6 | 45.0 | 30.3 | 23.9 | 18.3 |
| 77.5° | 485.5 | 371.7 | 303.8 | 208.4 | 121.2 | 75.2 | 50.5 | 34.9 | 24.8 | 17.4 | 11.9 |
| 80° | 383.7 | 255.2 | 152.4 | 94.5 | 71.6 | 54.2 | 38.6 | 28.4 | 18.3 | 11.0 | 8.2 |
| 82.5° | 196.4 | 107.4 | 78.9 | 64.3 | 53.2 | 42.3 | 31.2 | 20.2 | 11.9 | 7.4 | 6.4 |
| 85° | 61.5 | 45.0 | 40.4 | 39.5 | 36.7 | 30.3 | 22.0 | 12.9 | 7.4 | 4.6 | 4.6 |
| 87.5° | 4.6 | 6.4 | 8.2 | 6.4 | 7.4 | 6.4 | 8.2 | 5.5 | 3.7 | 3.7 | 2.7 |
| 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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CATALOG NUMBER: VTS-F04-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 | 423.2 |
| 2.5° | 385.5 | 374.5 | 364.4 | 358.0 | 346.0 | 341.5 | 336.9 | 335.0 | 326.7 | 328.6 | 321.3 |
| 5° | 336.9 | 317.6 | 302.9 | 288.2 | 274.5 | 264.4 | 256.1 | 246.0 | 237.7 | 234.0 | 226.7 |
| 7.5° | 292.8 | 268.0 | 248.8 | 233.2 | 216.6 | 203.8 | 192.7 | 185.4 | 178.1 | 170.7 | 167.0 |
| 10° | 254.2 | 227.6 | 205.6 | 190.0 | 174.4 | 163.4 | 155.1 | 149.6 | 145.0 | 142.2 | 141.4 |
| 12.5° | 218.4 | 192.7 | 172.6 | 158.8 | 146.9 | 141.4 | 137.7 | 134.9 | 134.0 | 133.1 | 133.1 |
| 15° | 190.9 | 165.2 | 149.6 | 139.5 | 134.0 | 131.3 | 130.3 | 128.5 | 126.7 | 125.7 | 125.7 |
| 17.5° | 165.2 | 145.9 | 134.9 | 129.4 | 126.7 | 124.9 | 123.0 | 121.2 | 119.3 | 118.4 | 118.4 |
| 20° | 147.8 | 132.2 | 126.7 | 123.0 | 120.2 | 118.4 | 115.7 | 113.8 | 112.9 | 112.0 | 111.1 |
| 22.5° | 134.0 | 123.9 | 120.2 | 117.5 | 113.8 | 111.1 | 109.2 | 107.4 | 105.6 | 104.6 | 103.7 |
| 25° | 123.9 | 117.5 | 114.7 | 111.1 | 107.4 | 104.6 | 101.9 | 99.1 | 97.3 | 96.4 | 94.5 |
| 27.5° | 116.5 | 112.0 | 108.3 | 103.7 | 100.1 | 97.3 | 94.5 | 91.8 | 90.0 | 88.1 | 87.2 |
| 30° | 110.1 | 105.6 | 100.9 | 97.3 | 92.7 | 90.0 | 86.3 | 83.6 | 82.6 | 80.8 | 78.9 |
| 32.5° | 103.7 | 99.1 | 94.5 | 90.0 | 85.3 | 81.7 | 79.9 | 76.2 | 74.4 | 73.4 | 71.6 |
| 35° | 96.4 | 91.8 | 86.3 | 82.6 | 78.0 | 74.4 | 71.6 | 68.8 | 67.0 | 65.2 | 64.3 |
| 37.5° | 90.0 | 84.4 | 78.9 | 74.4 | 70.7 | 67.0 | 64.3 | 61.5 | 59.6 | 57.8 | 56.9 |
| 40° | 82.6 | 77.1 | 71.6 | 67.0 | 63.3 | 60.6 | 57.8 | 55.1 | 53.2 | 52.3 | 52.3 |
| 42.5° | 76.2 | 69.8 | 64.3 | 60.6 | 57.8 | 54.2 | 51.4 | 48.7 | 47.7 | 46.8 | 47.7 |
| 45° | 69.8 | 63.3 | 58.7 | 55.1 | 52.3 | 48.7 | 45.9 | 44.0 | 43.1 | 44.0 | 45.0 |
| 47.5° | 64.3 | 57.8 | 53.2 | 50.5 | 47.7 | 45.0 | 42.3 | 40.4 | 40.4 | 42.3 | 44.0 |
| 50° | 58.7 | 52.3 | 48.7 | 46.8 | 44.0 | 41.3 | 37.6 | 36.7 | 37.6 | 39.5 | 41.3 |
| 52.5° | 53.2 | 45.9 | 43.1 | 42.3 | 39.5 | 36.7 | 33.9 | 33.1 | 33.9 | 35.8 | 34.9 |
| 55° | 47.7 | 40.4 | 39.5 | 38.6 | 35.8 | 32.1 | 29.4 | 29.4 | 29.4 | 28.4 | 26.6 |
| 57.5° | 45.9 | 35.8 | 34.9 | 33.9 | 31.2 | 27.5 | 25.7 | 23.9 | 23.0 | 20.2 | 19.3 |
| 60° | 47.7 | 32.1 | 32.1 | 30.3 | 27.5 | 23.9 | 21.1 | 18.3 | 16.5 | 14.7 | 14.7 |
| 62.5° | 38.6 | 29.4 | 28.4 | 26.6 | 23.0 | 19.3 | 16.5 | 13.8 | 12.9 | 11.9 | 11.9 |
| 65° | 31.2 | 26.6 | 24.8 | 22.0 | 19.3 | 15.6 | 12.9 | 11.0 | 10.1 | 10.1 | 11.0 |
| 67.5° | 28.4 | 23.9 | 21.1 | 18.3 | 15.6 | 11.9 | 10.1 | 9.2 | 9.2 | 10.1 | 10.1 |
| 69° | 26.6 | 22.0 | 19.3 | 16.5 | 13.8 | 11.0 | 9.2 | 9.2 | 9.2 | 9.2 | 10.1 |
| 70° | 24.8 | 21.1 | 18.3 | 15.6 | 11.9 | 9.2 | 8.2 | 8.2 | 9.2 | 9.2 | 10.1 |
| 72.5° | 19.3 | 16.5 | 15.6 | 12.9 | 9.2 | 8.2 | 7.4 | 8.2 | 8.2 | 9.2 | 9.2 |
| 75° | 14.7 | 11.9 | 11.9 | 10.1 | 7.4 | 6.4 | 6.4 | 7.4 | 7.4 | 8.2 | 8.2 |
| 77.5° | 10.1 | 8.2 | 8.2 | 7.4 | 6.4 | 5.5 | 5.5 | 6.4 | 7.4 | 7.4 | 8.2 |
| 80° | 7.4 | 6.4 | 5.5 | 6.4 | 5.5 | 4.6 | 5.5 | 6.4 | 6.4 | 7.4 | 7.4 |
| 82.5° | 5.5 | 5.5 | 5.5 | 5.5 | 4.6 | 4.6 | 5.5 | 5.5 | 6.4 | 7.4 | 7.4 |
| 85° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 5.5 | 5.5 | 6.4 | 6.4 |
| 87.5° | 2.7 | 2.7 | 2.7 | 3.7 | 3.7 | 4.6 | 4.6 | 4.6 | 4.6 | 5.5 | 5.5 |
| 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: P165370

CATALOG NUMBER: VTS-F04-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 423.2 | 423.2 | 423.2 | 423.2 |
| 2.5° | 319.4 | 318.5 | 314.8 | 315.8 |
| 5° | 224.0 | 218.4 | 222.1 | 221.2 |
| 7.5° | 164.3 | 163.4 | 162.5 | 164.3 |
| 10° | 140.5 | 140.5 | 139.5 | 140.5 |
| 12.5° | 132.2 | 132.2 | 132.2 | 132.2 |
| 15° | 125.7 | 125.7 | 124.9 | 124.9 |
| 17.5° | 118.4 | 118.4 | 118.4 | 117.5 |
| 20° | 111.1 | 110.1 | 110.1 | 110.1 |
| 22.5° | 102.8 | 101.9 | 101.9 | 101.9 |
| 25° | 94.5 | 93.6 | 93.6 | 93.6 |
| 27.5° | 86.3 | 85.3 | 84.4 | 84.4 |
| 30° | 78.0 | 77.1 | 76.2 | 76.2 |
| 32.5° | 69.8 | 68.8 | 67.9 | 67.9 |
| 35° | 62.4 | 62.4 | 61.5 | 60.6 |
| 37.5° | 56.0 | 56.0 | 56.0 | 56.0 |
| 40° | 51.4 | 52.3 | 52.3 | 52.3 |
| 42.5° | 48.7 | 49.6 | 50.5 | 51.4 |
| 45° | 46.8 | 48.7 | 49.6 | 49.6 |
| 47.5° | 45.9 | 46.8 | 47.7 | 47.7 |
| 50° | 42.3 | 41.3 | 41.3 | 41.3 |
| 52.5° | 33.9 | 32.1 | 31.2 | 30.3 |
| 55° | 24.8 | 23.9 | 22.0 | 22.0 |
| 57.5° | 17.4 | 17.4 | 16.5 | 16.5 |
| 60° | 13.8 | 13.8 | 12.9 | 13.8 |
| 62.5° | 11.9 | 11.9 | 11.9 | 11.9 |
| 65° | 11.0 | 11.0 | 11.0 | 11.0 |
| 67.5° | 11.0 | 11.0 | 11.0 | 11.0 |
| 69° | 10.1 | 10.1 | 10.1 | 10.1 |
| 70° | 10.1 | 10.1 | 10.1 | 10.1 |
| 72.5° | 9.2 | 9.2 | 9.2 | 9.2 |
| 75° | 8.2 | 9.2 | 9.2 | 9.2 |
| 77.5° | 8.2 | 8.2 | 8.2 | 8.2 |
| 80° | 7.4 | 7.4 | 8.2 | 8.2 |
| 82.5° | 7.4 | 7.4 | 7.4 | 7.4 |
| 85° | 6.4 | 6.4 | 7.4 | 7.4 |
| 87.5° | 5.5 | 5.5 | 6.4 | 6.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)