

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: P165355

Luminaire Tested: **VTS-E03-LED-E1-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165355
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-8030
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

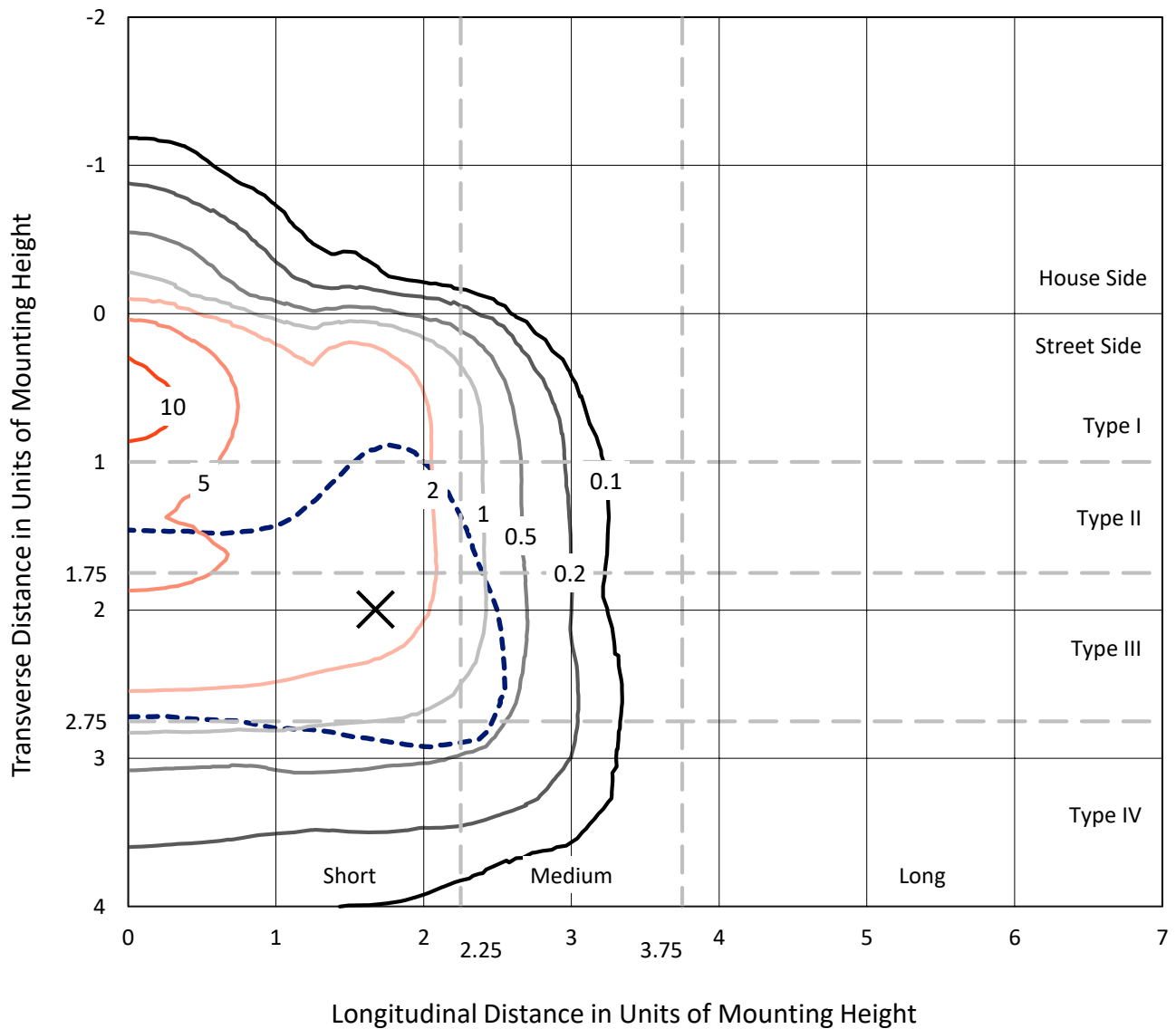
Lumens per Lamp: N/A
Luminaire Lumens: 5090.5 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (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

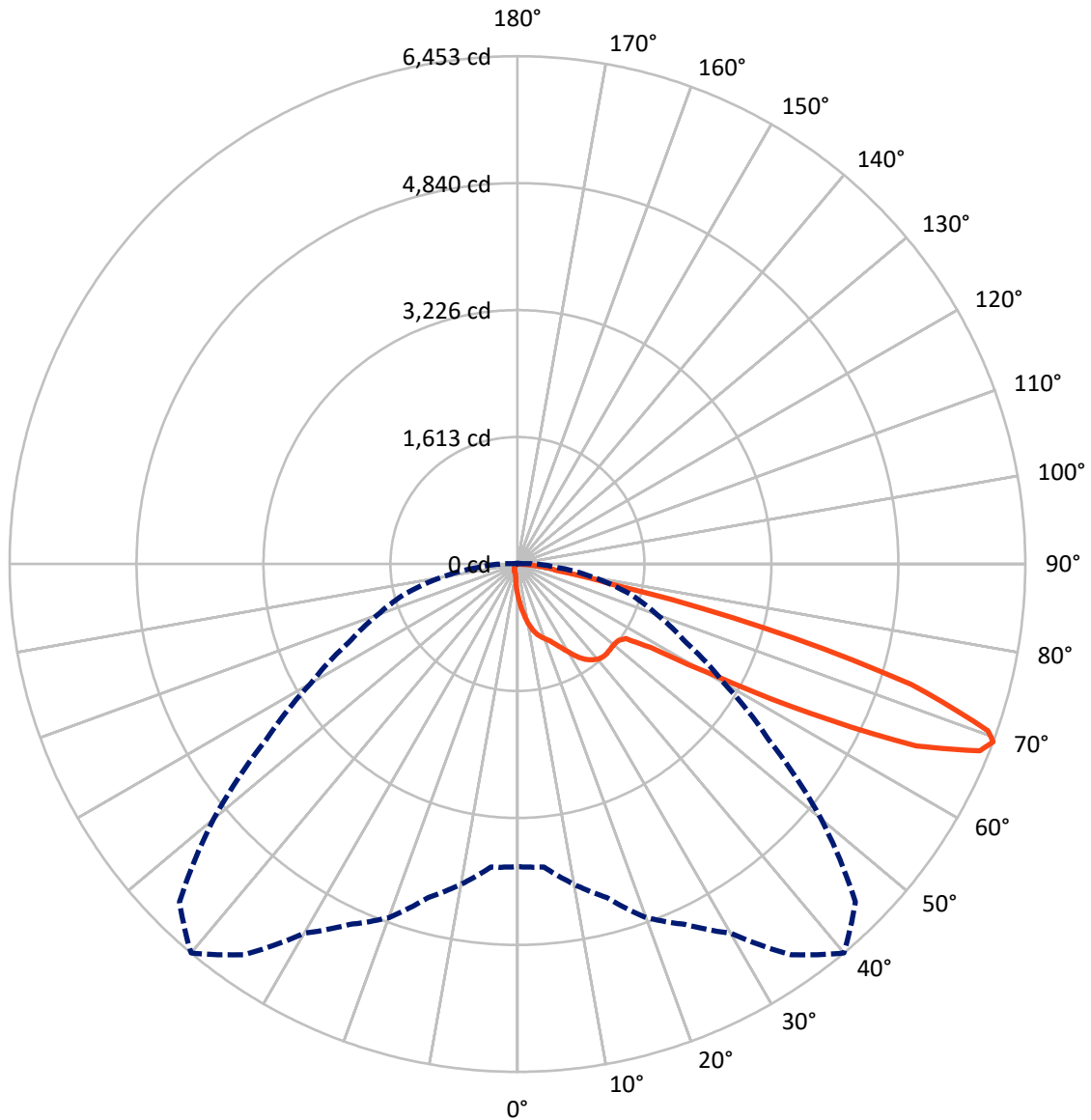
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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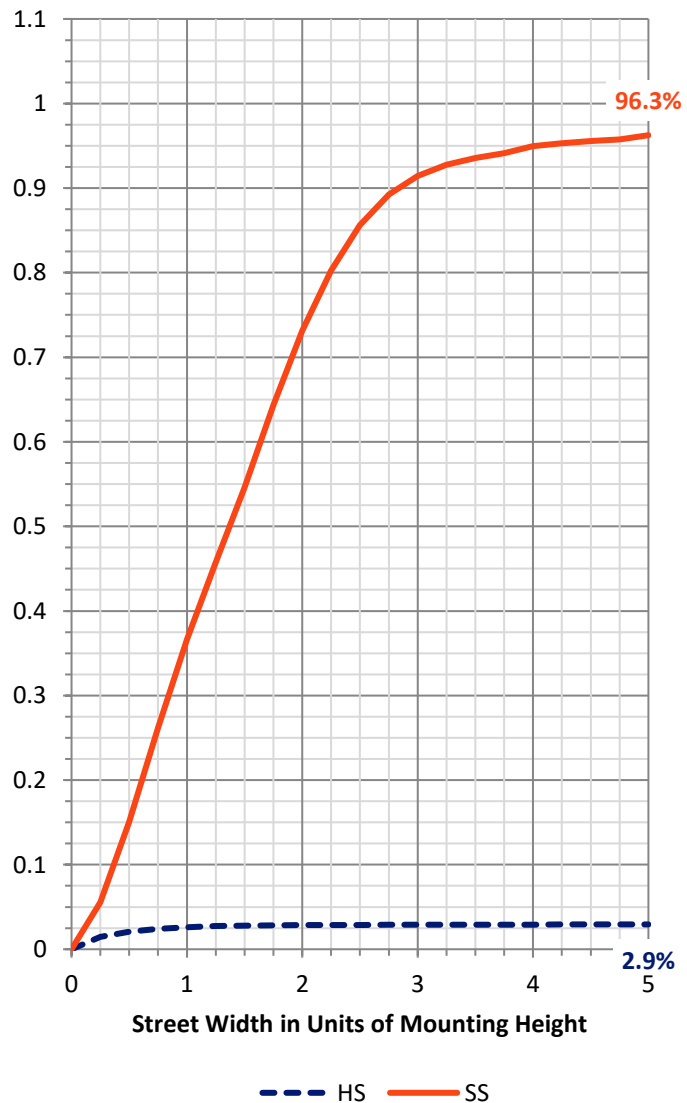
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 151.6 | 0.0 | 151.6 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 4938.9 | 0.0 | 4938.9 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 5090.5 | 0.0 | 5090.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.5 | 0.8 |
| 10°-20° | 136.2 | 2.7 |
| 20°-30° | 260.7 | 5.1 |
| 30°-40° | 433.6 | 8.5 |
| 40°-50° | 586.8 | 11.5 |
| 50°-60° | 917.6 | 18.0 |
| 60°-70° | 1886.6 | 37.1 |
| 70°-80° | 759.2 | 14.9 |
| 80°-90° | 70.2 | 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° | 5090.5 | 100.0 |
| 0°-180° | 5090.5 | 100.0 |



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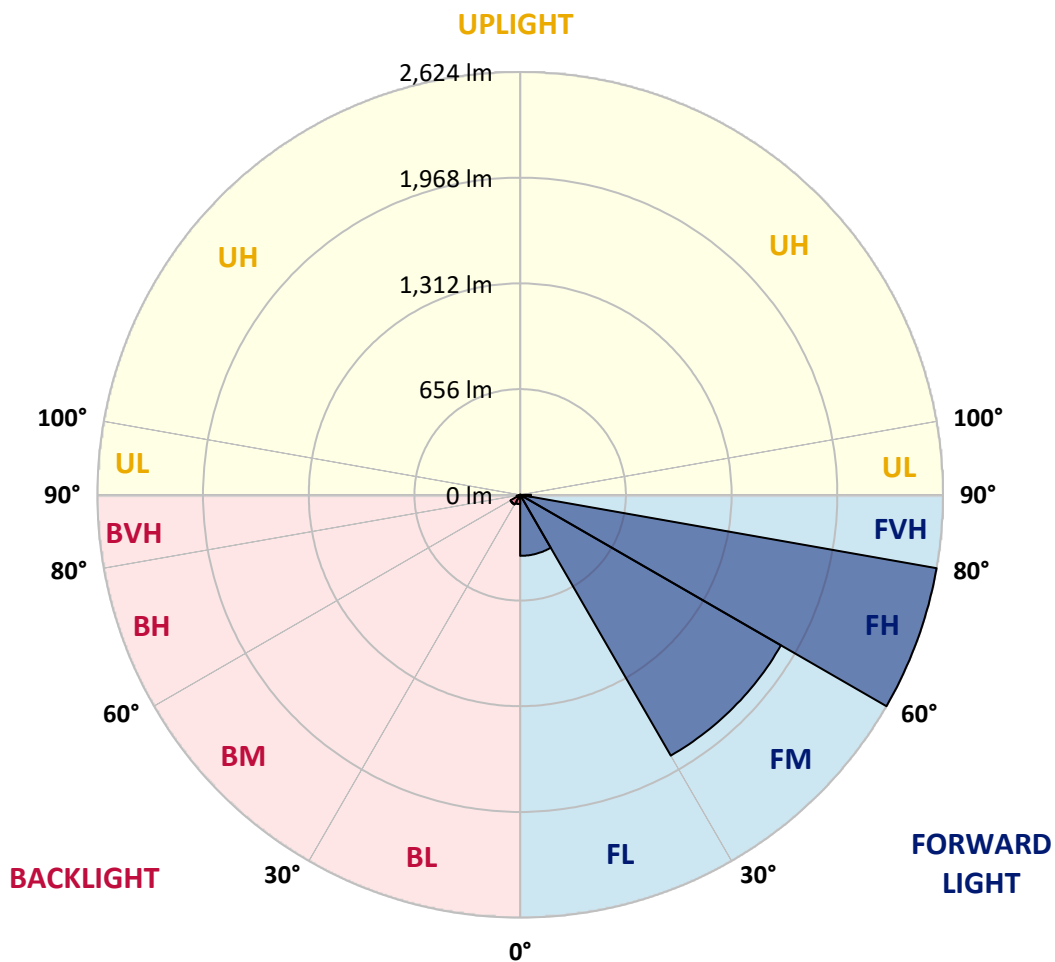
CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 378.8 | 7.4 | | | |
| FM | (30°-60°) | 1868.8 | 36.7 | | | |
| FH | (60°-80°) | 2623.7 | 51.5 | | | G2/5000 |
| FVH | (80°-90°) | 67.6 | 1.3 | | | G1/100 |
| BL | (0°-30°) | 57.7 | 1.1 | B0/110 | | |
| BM | (30°-60°) | 69.2 | 1.4 | B0/220 | | |
| BH | (60°-80°) | 22.1 | 0.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 2.6 | 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° | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 |
| 2.5° | 512.9 | 507.0 | 500.3 | 500.3 | 492.0 | 492.0 | 487.0 | 473.7 | 472.0 | 464.5 | 457.0 |
| 5° | 654.6 | 649.6 | 641.3 | 633.8 | 627.1 | 615.4 | 607.1 | 591.2 | 573.7 | 557.0 | 542.0 |
| 7.5° | 793.1 | 790.5 | 775.5 | 773.0 | 762.2 | 743.0 | 726.3 | 703.0 | 672.9 | 649.6 | 622.1 |
| 10° | 921.5 | 915.6 | 912.3 | 898.1 | 882.3 | 861.4 | 835.6 | 807.2 | 772.2 | 735.5 | 696.3 |
| 12.5° | 1023.2 | 1019.9 | 1004.8 | 999.0 | 982.4 | 961.5 | 929.0 | 892.3 | 857.3 | 809.7 | 763.8 |
| 15° | 1099.1 | 1093.3 | 1083.2 | 1074.1 | 1054.1 | 1035.7 | 1005.7 | 965.6 | 923.2 | 871.5 | 816.4 |
| 17.5° | 1162.5 | 1151.6 | 1149.1 | 1134.9 | 1114.1 | 1092.4 | 1059.1 | 1022.4 | 972.3 | 920.6 | 860.6 |
| 20° | 1247.5 | 1232.5 | 1227.5 | 1206.6 | 1182.5 | 1152.5 | 1114.1 | 1068.2 | 1015.7 | 959.0 | 897.3 |
| 22.5° | 1347.6 | 1336.7 | 1325.9 | 1307.6 | 1276.7 | 1234.2 | 1178.3 | 1128.3 | 1061.6 | 999.0 | 932.3 |
| 25° | 1489.4 | 1480.2 | 1462.7 | 1437.7 | 1399.3 | 1348.4 | 1280.9 | 1207.5 | 1129.1 | 1049.0 | 970.7 |
| 27.5° | 1626.9 | 1618.6 | 1606.1 | 1586.9 | 1543.5 | 1487.7 | 1404.3 | 1310.9 | 1211.7 | 1114.9 | 1028.2 |
| 30° | 1756.2 | 1748.7 | 1736.2 | 1717.0 | 1678.6 | 1623.6 | 1529.4 | 1429.3 | 1305.9 | 1193.3 | 1089.1 |
| 32.5° | 1895.5 | 1893.0 | 1878.8 | 1851.3 | 1817.9 | 1743.7 | 1641.1 | 1533.6 | 1408.5 | 1278.4 | 1156.6 |
| 35° | 2053.1 | 2033.9 | 2020.6 | 1993.0 | 1936.4 | 1857.1 | 1737.0 | 1619.4 | 1487.7 | 1354.3 | 1218.3 |
| 37.5° | 2186.5 | 2168.2 | 2151.5 | 2116.5 | 2047.3 | 1946.3 | 1810.4 | 1681.1 | 1545.2 | 1409.3 | 1270.8 |
| 40° | 2284.0 | 2274.9 | 2254.9 | 2209.0 | 2131.5 | 2011.4 | 1864.6 | 1723.7 | 1586.9 | 1450.2 | 1313.4 |
| 42.5° | 2356.6 | 2342.4 | 2319.9 | 2272.4 | 2180.7 | 2043.9 | 1886.3 | 1741.2 | 1606.1 | 1475.2 | 1340.9 |
| 45° | 2383.3 | 2371.6 | 2350.8 | 2299.1 | 2199.8 | 2053.1 | 1885.5 | 1736.2 | 1606.9 | 1482.7 | 1359.3 |
| 47.5° | 2367.4 | 2355.8 | 2337.4 | 2289.1 | 2191.5 | 2042.2 | 1870.5 | 1722.0 | 1598.6 | 1485.2 | 1375.9 |
| 50° | 2314.9 | 2308.2 | 2294.1 | 2253.2 | 2165.6 | 2021.4 | 1857.1 | 1714.5 | 1596.9 | 1497.7 | 1399.3 |
| 52.5° | 2309.9 | 2305.8 | 2288.2 | 2247.4 | 2158.2 | 2014.7 | 1855.4 | 1718.7 | 1611.1 | 1513.6 | 1416.0 |
| 55° | 2822.7 | 2763.5 | 2631.0 | 2518.4 | 2333.3 | 2113.1 | 1939.6 | 1786.2 | 1671.2 | 1576.1 | 1507.7 |
| 57.5° | 4011.9 | 3923.5 | 3749.2 | 3534.9 | 3109.6 | 2691.8 | 2357.5 | 2115.6 | 1996.4 | 1953.0 | 1978.8 |
| 60° | 4568.9 | 4553.1 | 4525.6 | 4423.9 | 4206.2 | 3846.8 | 3446.5 | 3013.8 | 2840.3 | 2825.3 | 2877.8 |
| 62.5° | 4833.3 | 4823.3 | 4831.7 | 4819.2 | 4751.6 | 4646.5 | 4531.4 | 4344.7 | 4172.8 | 4061.9 | 3826.8 |
| 65° | 4955.1 | 4961.8 | 5009.3 | 5046.8 | 5055.1 | 5082.6 | 5166.9 | 5399.5 | 5569.6 | 5283.6 | 4630.7 |
| 67.5° | 4645.7 | 4684.9 | 4794.1 | 4930.9 | 5091.0 | 5246.1 | 5496.3 | 5986.6 | 6336.0 | 6000.0 | 5072.7 |
| 69° | 3846.0 | 3865.2 | 4132.0 | 4389.7 | 4780.8 | 5054.3 | 5417.1 | 6060.0 | 6452.8 | 6073.3 | 5037.6 |
| 70° | 3027.9 | 3045.4 | 3331.5 | 3681.7 | 4343.0 | 4694.9 | 5169.4 | 5935.8 | 6343.5 | 5975.8 | 4857.5 |
| 72.5° | 1365.9 | 1340.9 | 1441.8 | 1629.4 | 2348.3 | 2907.0 | 3736.7 | 4809.1 | 5233.6 | 4787.5 | 3634.1 |
| 75° | 954.0 | 943.2 | 954.0 | 954.8 | 1066.6 | 1375.9 | 1736.2 | 2606.8 | 3223.9 | 2781.9 | 1736.2 |
| 77.5° | 738.8 | 731.3 | 723.8 | 715.5 | 728.9 | 816.4 | 851.4 | 924.8 | 1200.8 | 1135.8 | 662.1 |
| 80° | 584.6 | 577.9 | 596.2 | 590.4 | 590.4 | 600.4 | 593.7 | 566.2 | 514.5 | 477.0 | 426.9 |
| 82.5° | 271.8 | 273.5 | 273.5 | 296.8 | 357.8 | 417.8 | 437.0 | 409.5 | 363.6 | 309.4 | 249.3 |
| 85° | 25.8 | 29.2 | 49.2 | 75.9 | 151.0 | 170.1 | 171.0 | 141.7 | 141.7 | 111.8 | 90.0 |
| 87.5° | 0.0 | 0.8 | 0.8 | 0.8 | 7.5 | 20.9 | 17.5 | 5.0 | 2.5 | 2.5 | 4.2 |
| 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-E03-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 |
| 2.5° | 443.7 | 441.1 | 431.1 | 421.1 | 412.0 | 401.9 | 392.8 | 383.6 | 373.6 | 366.1 | 356.9 |
| 5° | 518.7 | 500.3 | 479.5 | 459.5 | 439.4 | 418.6 | 397.0 | 377.8 | 357.8 | 339.4 | 321.9 |
| 7.5° | 594.6 | 558.7 | 530.3 | 494.5 | 462.0 | 429.5 | 399.4 | 368.6 | 340.2 | 313.6 | 288.5 |
| 10° | 658.8 | 615.4 | 571.2 | 525.4 | 478.6 | 435.3 | 393.6 | 356.9 | 319.4 | 286.9 | 256.0 |
| 12.5° | 711.3 | 656.3 | 602.1 | 544.5 | 492.0 | 437.0 | 385.3 | 341.1 | 296.8 | 260.2 | 228.5 |
| 15° | 758.8 | 695.5 | 630.4 | 563.7 | 497.0 | 434.5 | 376.9 | 321.9 | 276.8 | 235.2 | 199.3 |
| 17.5° | 797.2 | 724.7 | 651.3 | 576.2 | 504.5 | 431.1 | 366.1 | 308.5 | 256.0 | 212.6 | 177.6 |
| 20° | 830.6 | 754.7 | 675.5 | 591.2 | 509.5 | 430.3 | 356.9 | 291.9 | 237.7 | 191.8 | 157.6 |
| 22.5° | 861.4 | 785.5 | 700.5 | 610.4 | 517.0 | 429.5 | 348.6 | 279.4 | 221.8 | 176.0 | 141.7 |
| 25° | 896.5 | 816.4 | 727.2 | 630.4 | 530.3 | 432.8 | 343.6 | 269.4 | 207.6 | 160.9 | 129.2 |
| 27.5° | 935.7 | 851.4 | 758.8 | 655.4 | 547.9 | 439.4 | 341.9 | 258.5 | 195.1 | 146.8 | 119.3 |
| 30° | 990.7 | 893.1 | 790.5 | 680.4 | 563.7 | 447.0 | 340.2 | 251.8 | 182.6 | 135.9 | 109.2 |
| 32.5° | 1039.1 | 934.0 | 825.6 | 706.3 | 581.2 | 454.5 | 339.4 | 242.7 | 171.0 | 125.1 | 101.7 |
| 35° | 1089.9 | 971.5 | 855.6 | 731.3 | 596.2 | 462.8 | 338.6 | 236.0 | 160.1 | 114.2 | 94.2 |
| 37.5° | 1134.1 | 1003.2 | 878.9 | 753.0 | 612.9 | 470.3 | 339.4 | 230.2 | 150.1 | 105.1 | 87.6 |
| 40° | 1171.6 | 1035.7 | 904.8 | 773.0 | 630.4 | 482.0 | 340.2 | 224.3 | 140.1 | 96.7 | 81.7 |
| 42.5° | 1205.0 | 1066.6 | 932.3 | 795.5 | 650.5 | 495.4 | 345.3 | 219.3 | 131.8 | 89.2 | 75.9 |
| 45° | 1230.8 | 1094.9 | 962.3 | 827.2 | 683.0 | 517.0 | 354.4 | 216.0 | 123.4 | 82.5 | 70.9 |
| 47.5° | 1257.5 | 1136.6 | 1013.2 | 877.3 | 730.5 | 551.2 | 370.3 | 215.2 | 116.7 | 77.5 | 66.7 |
| 50° | 1294.2 | 1178.3 | 1058.2 | 928.1 | 773.9 | 586.3 | 389.4 | 216.0 | 108.4 | 72.6 | 62.5 |
| 52.5° | 1320.9 | 1220.8 | 1116.6 | 1016.5 | 877.3 | 693.0 | 463.7 | 231.0 | 104.2 | 68.4 | 57.5 |
| 55° | 1478.5 | 1461.0 | 1463.5 | 1480.2 | 1372.6 | 1179.1 | 775.5 | 333.6 | 122.6 | 77.5 | 56.7 |
| 57.5° | 2084.8 | 2146.5 | 2182.3 | 2181.5 | 2003.9 | 1662.0 | 1041.6 | 428.6 | 136.8 | 90.0 | 67.6 |
| 60° | 2882.0 | 2835.3 | 2769.4 | 2606.8 | 2370.8 | 1897.2 | 1165.0 | 461.2 | 118.4 | 71.7 | 61.7 |
| 62.5° | 3586.6 | 3313.1 | 3070.4 | 2806.9 | 2497.5 | 1978.8 | 1190.0 | 458.6 | 103.4 | 54.2 | 43.3 |
| 65° | 4026.1 | 3534.1 | 3142.2 | 2811.9 | 2447.5 | 1910.5 | 1125.8 | 421.1 | 87.6 | 44.2 | 35.9 |
| 67.5° | 4131.2 | 3414.8 | 2860.3 | 2439.2 | 2044.7 | 1486.9 | 826.4 | 316.9 | 68.4 | 36.7 | 31.7 |
| 69° | 3901.8 | 3035.4 | 2370.0 | 1892.1 | 1487.7 | 986.5 | 511.2 | 200.1 | 52.5 | 33.4 | 29.2 |
| 70° | 3589.1 | 2640.1 | 1930.5 | 1518.5 | 1101.6 | 693.0 | 357.8 | 140.9 | 42.5 | 30.8 | 26.7 |
| 72.5° | 2309.1 | 1386.8 | 949.0 | 660.4 | 454.5 | 276.0 | 140.1 | 63.4 | 32.5 | 25.8 | 21.7 |
| 75° | 895.6 | 512.9 | 371.9 | 282.7 | 221.0 | 153.4 | 85.1 | 40.9 | 27.5 | 21.7 | 16.7 |
| 77.5° | 441.1 | 337.7 | 276.0 | 189.3 | 110.1 | 68.4 | 45.9 | 31.7 | 22.5 | 15.9 | 10.8 |
| 80° | 348.6 | 231.8 | 138.4 | 85.9 | 65.0 | 49.2 | 35.0 | 25.8 | 16.7 | 10.0 | 7.5 |
| 82.5° | 178.5 | 97.6 | 71.7 | 58.4 | 48.4 | 38.4 | 28.4 | 18.3 | 10.8 | 6.7 | 5.8 |
| 85° | 55.9 | 40.9 | 36.7 | 35.9 | 33.4 | 27.5 | 20.0 | 11.7 | 6.7 | 4.2 | 4.2 |
| 87.5° | 4.2 | 5.8 | 7.5 | 5.8 | 6.7 | 5.8 | 7.5 | 5.0 | 3.3 | 3.3 | 2.5 |
| 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-E03-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 | 384.5 |
| 2.5° | 350.2 | 340.2 | 331.1 | 325.2 | 314.4 | 310.2 | 306.1 | 304.4 | 296.8 | 298.5 | 291.9 |
| 5° | 306.1 | 288.5 | 275.2 | 261.9 | 249.3 | 240.2 | 232.6 | 223.5 | 216.0 | 212.6 | 206.0 |
| 7.5° | 266.0 | 243.5 | 226.0 | 211.8 | 196.8 | 185.1 | 175.1 | 168.4 | 161.8 | 155.1 | 151.8 |
| 10° | 231.0 | 206.8 | 186.8 | 172.6 | 158.5 | 148.4 | 140.9 | 135.9 | 131.8 | 129.2 | 128.4 |
| 12.5° | 198.5 | 175.1 | 156.8 | 144.3 | 133.4 | 128.4 | 125.1 | 122.6 | 121.7 | 120.9 | 120.9 |
| 15° | 173.4 | 150.1 | 135.9 | 126.8 | 121.7 | 119.3 | 118.4 | 116.7 | 115.1 | 114.2 | 114.2 |
| 17.5° | 150.1 | 132.6 | 122.6 | 117.6 | 115.1 | 113.4 | 111.8 | 110.1 | 108.4 | 107.6 | 107.6 |
| 20° | 134.2 | 120.1 | 115.1 | 111.8 | 109.2 | 107.6 | 105.1 | 103.4 | 102.6 | 101.7 | 100.9 |
| 22.5° | 121.7 | 112.6 | 109.2 | 106.7 | 103.4 | 100.9 | 99.3 | 97.6 | 95.9 | 95.1 | 94.2 |
| 25° | 112.6 | 106.7 | 104.2 | 100.9 | 97.6 | 95.1 | 92.6 | 90.0 | 88.4 | 87.6 | 85.9 |
| 27.5° | 105.9 | 101.7 | 98.4 | 94.2 | 90.9 | 88.4 | 85.9 | 83.4 | 81.7 | 80.1 | 79.2 |
| 30° | 100.1 | 95.9 | 91.7 | 88.4 | 84.2 | 81.7 | 78.4 | 75.9 | 75.0 | 73.4 | 71.7 |
| 32.5° | 94.2 | 90.0 | 85.9 | 81.7 | 77.5 | 74.2 | 72.6 | 69.2 | 67.6 | 66.7 | 65.0 |
| 35° | 87.6 | 83.4 | 78.4 | 75.0 | 70.9 | 67.6 | 65.0 | 62.5 | 60.9 | 59.2 | 58.4 |
| 37.5° | 81.7 | 76.7 | 71.7 | 67.6 | 64.2 | 60.9 | 58.4 | 55.9 | 54.2 | 52.5 | 51.7 |
| 40° | 75.0 | 70.0 | 65.0 | 60.9 | 57.5 | 55.0 | 52.5 | 50.0 | 48.4 | 47.6 | 47.6 |
| 42.5° | 69.2 | 63.4 | 58.4 | 55.0 | 52.5 | 49.2 | 46.7 | 44.2 | 43.3 | 42.5 | 43.3 |
| 45° | 63.4 | 57.5 | 53.4 | 50.0 | 47.6 | 44.2 | 41.7 | 40.0 | 39.2 | 40.0 | 40.9 |
| 47.5° | 58.4 | 52.5 | 48.4 | 45.9 | 43.3 | 40.9 | 38.4 | 36.7 | 36.7 | 38.4 | 40.0 |
| 50° | 53.4 | 47.6 | 44.2 | 42.5 | 40.0 | 37.5 | 34.2 | 33.4 | 34.2 | 35.9 | 37.5 |
| 52.5° | 48.4 | 41.7 | 39.2 | 38.4 | 35.9 | 33.4 | 30.8 | 30.0 | 30.8 | 32.5 | 31.7 |
| 55° | 43.3 | 36.7 | 35.9 | 35.0 | 32.5 | 29.2 | 26.7 | 26.7 | 26.7 | 25.8 | 24.2 |
| 57.5° | 41.7 | 32.5 | 31.7 | 30.8 | 28.4 | 25.0 | 23.3 | 21.7 | 20.9 | 18.3 | 17.5 |
| 60° | 43.3 | 29.2 | 29.2 | 27.5 | 25.0 | 21.7 | 19.2 | 16.7 | 15.0 | 13.3 | 13.3 |
| 62.5° | 35.0 | 26.7 | 25.8 | 24.2 | 20.9 | 17.5 | 15.0 | 12.5 | 11.7 | 10.8 | 10.8 |
| 65° | 28.4 | 24.2 | 22.5 | 20.0 | 17.5 | 14.2 | 11.7 | 10.0 | 9.2 | 9.2 | 10.0 |
| 67.5° | 25.8 | 21.7 | 19.2 | 16.7 | 14.2 | 10.8 | 9.2 | 8.4 | 8.4 | 9.2 | 9.2 |
| 69° | 24.2 | 20.0 | 17.5 | 15.0 | 12.5 | 10.0 | 8.4 | 8.4 | 8.4 | 8.4 | 9.2 |
| 70° | 22.5 | 19.2 | 16.7 | 14.2 | 10.8 | 8.4 | 7.5 | 7.5 | 8.4 | 8.4 | 9.2 |
| 72.5° | 17.5 | 15.0 | 14.2 | 11.7 | 8.4 | 7.5 | 6.7 | 7.5 | 7.5 | 8.4 | 8.4 |
| 75° | 13.3 | 10.8 | 10.8 | 9.2 | 6.7 | 5.8 | 5.8 | 6.7 | 6.7 | 7.5 | 7.5 |
| 77.5° | 9.2 | 7.5 | 7.5 | 6.7 | 5.8 | 5.0 | 5.0 | 5.8 | 6.7 | 6.7 | 7.5 |
| 80° | 6.7 | 5.8 | 5.0 | 5.8 | 5.0 | 4.2 | 5.0 | 5.8 | 5.8 | 6.7 | 6.7 |
| 82.5° | 5.0 | 5.0 | 5.0 | 5.0 | 4.2 | 4.2 | 5.0 | 5.0 | 5.8 | 6.7 | 6.7 |
| 85° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 5.0 | 5.0 | 5.8 | 5.8 |
| 87.5° | 2.5 | 2.5 | 2.5 | 3.3 | 3.3 | 4.2 | 4.2 | 4.2 | 4.2 | 5.0 | 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: P165355

CATALOG NUMBER: VTS-E03-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 384.5 | 384.5 | 384.5 | 384.5 |
| 2.5° | 290.2 | 289.4 | 286.0 | 286.9 |
| 5° | 203.5 | 198.5 | 201.8 | 201.0 |
| 7.5° | 149.3 | 148.4 | 147.6 | 149.3 |
| 10° | 127.6 | 127.6 | 126.8 | 127.6 |
| 12.5° | 120.1 | 120.1 | 120.1 | 120.1 |
| 15° | 114.2 | 114.2 | 113.4 | 113.4 |
| 17.5° | 107.6 | 107.6 | 107.6 | 106.7 |
| 20° | 100.9 | 100.1 | 100.1 | 100.1 |
| 22.5° | 93.4 | 92.6 | 92.6 | 92.6 |
| 25° | 85.9 | 85.1 | 85.1 | 85.1 |
| 27.5° | 78.4 | 77.5 | 76.7 | 76.7 |
| 30° | 70.9 | 70.0 | 69.2 | 69.2 |
| 32.5° | 63.4 | 62.5 | 61.7 | 61.7 |
| 35° | 56.7 | 56.7 | 55.9 | 55.0 |
| 37.5° | 50.9 | 50.9 | 50.9 | 50.9 |
| 40° | 46.7 | 47.6 | 47.6 | 47.6 |
| 42.5° | 44.2 | 45.0 | 45.9 | 46.7 |
| 45° | 42.5 | 44.2 | 45.0 | 45.0 |
| 47.5° | 41.7 | 42.5 | 43.3 | 43.3 |
| 50° | 38.4 | 37.5 | 37.5 | 37.5 |
| 52.5° | 30.8 | 29.2 | 28.4 | 27.5 |
| 55° | 22.5 | 21.7 | 20.0 | 20.0 |
| 57.5° | 15.9 | 15.9 | 15.0 | 15.0 |
| 60° | 12.5 | 12.5 | 11.7 | 12.5 |
| 62.5° | 10.8 | 10.8 | 10.8 | 10.8 |
| 65° | 10.0 | 10.0 | 10.0 | 10.0 |
| 67.5° | 10.0 | 10.0 | 10.0 | 10.0 |
| 69° | 9.2 | 9.2 | 9.2 | 9.2 |
| 70° | 9.2 | 9.2 | 9.2 | 9.2 |
| 72.5° | 8.4 | 8.4 | 8.4 | 8.4 |
| 75° | 7.5 | 8.4 | 8.4 | 8.4 |
| 77.5° | 7.5 | 7.5 | 7.5 | 7.5 |
| 80° | 6.7 | 6.7 | 7.5 | 7.5 |
| 82.5° | 6.7 | 6.7 | 6.7 | 6.7 |
| 85° | 5.8 | 5.8 | 6.7 | 6.7 |
| 87.5° | 5.0 | 5.0 | 5.8 | 5.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)