

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: P165364

Luminaire Tested: **VTS-F03-LED-E1-SL4-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165364
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-F03-LED-E1-SL4-HSS-7060
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5109.1 lumens
Efficiency: N/A
Efficacy: 65.3 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

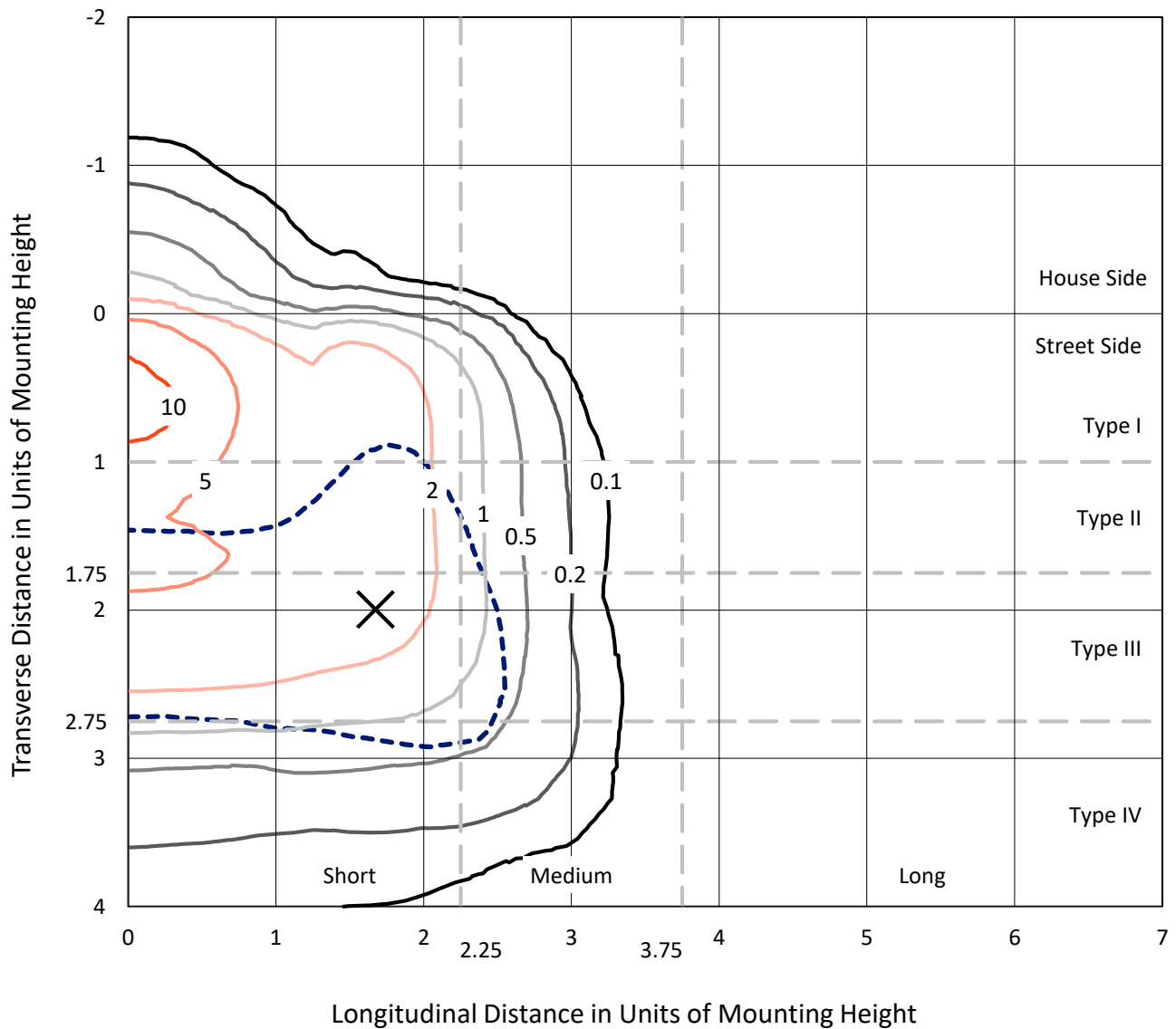
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

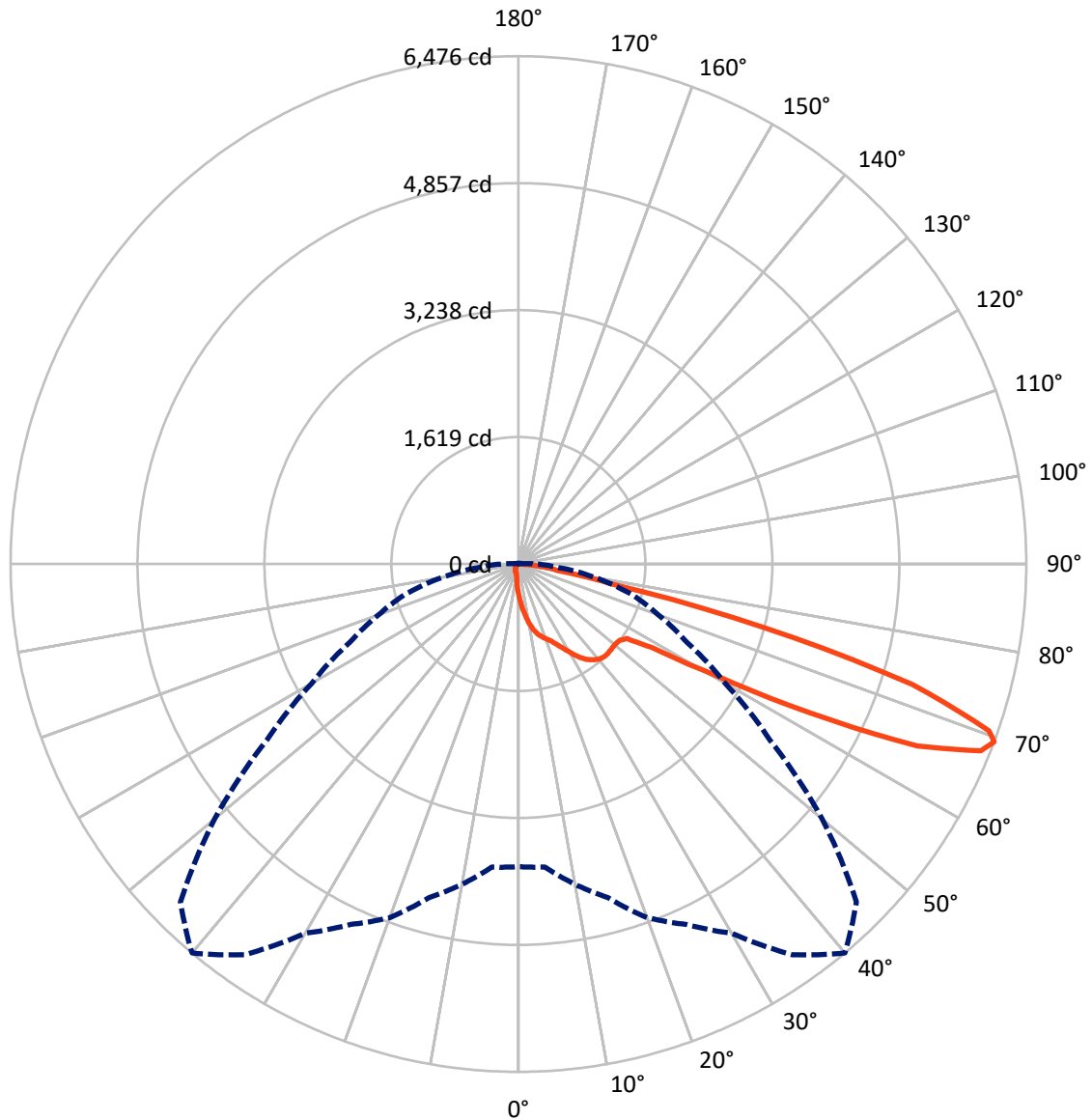


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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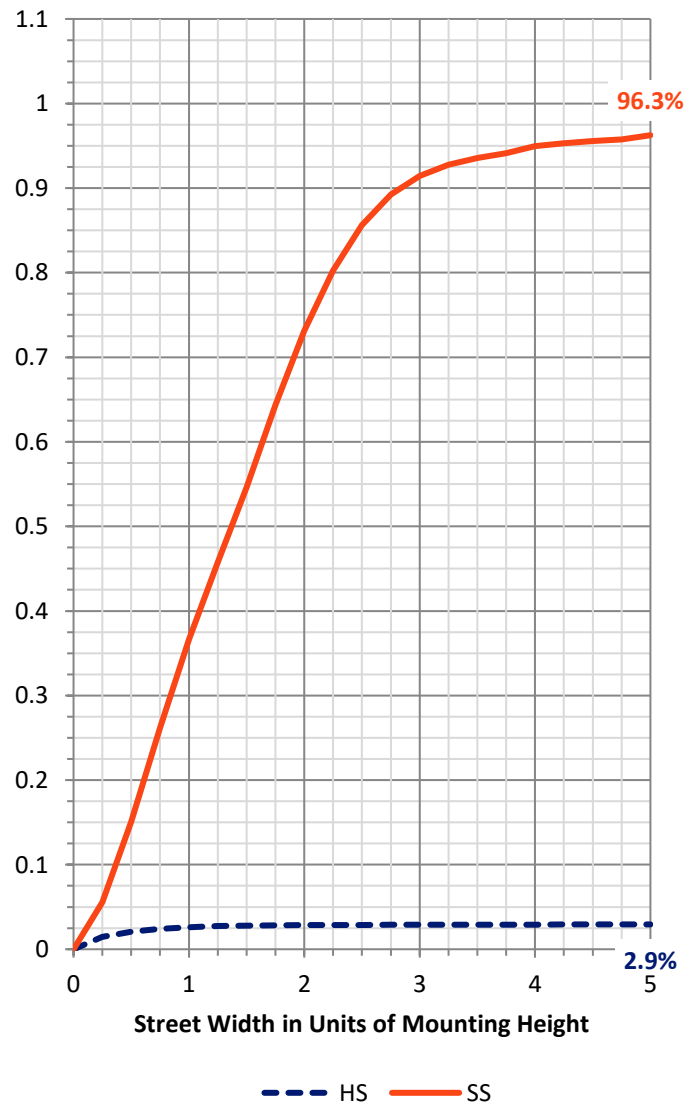
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 152.1 | 0.0 | 152.1 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 4957.0 | 0.0 | 4957.0 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 5109.1 | 0.0 | 5109.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.7 | 0.8 |
| 10°-20° | 136.7 | 2.7 |
| 20°-30° | 261.7 | 5.1 |
| 30°-40° | 435.2 | 8.5 |
| 40°-50° | 588.9 | 11.5 |
| 50°-60° | 921.0 | 18.0 |
| 60°-70° | 1893.5 | 37.1 |
| 70°-80° | 761.9 | 14.9 |
| 80°-90° | 70.5 | 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° | 5109.1 | 100.0 |
| 0°-180° | 5109.1 | 100.0 |



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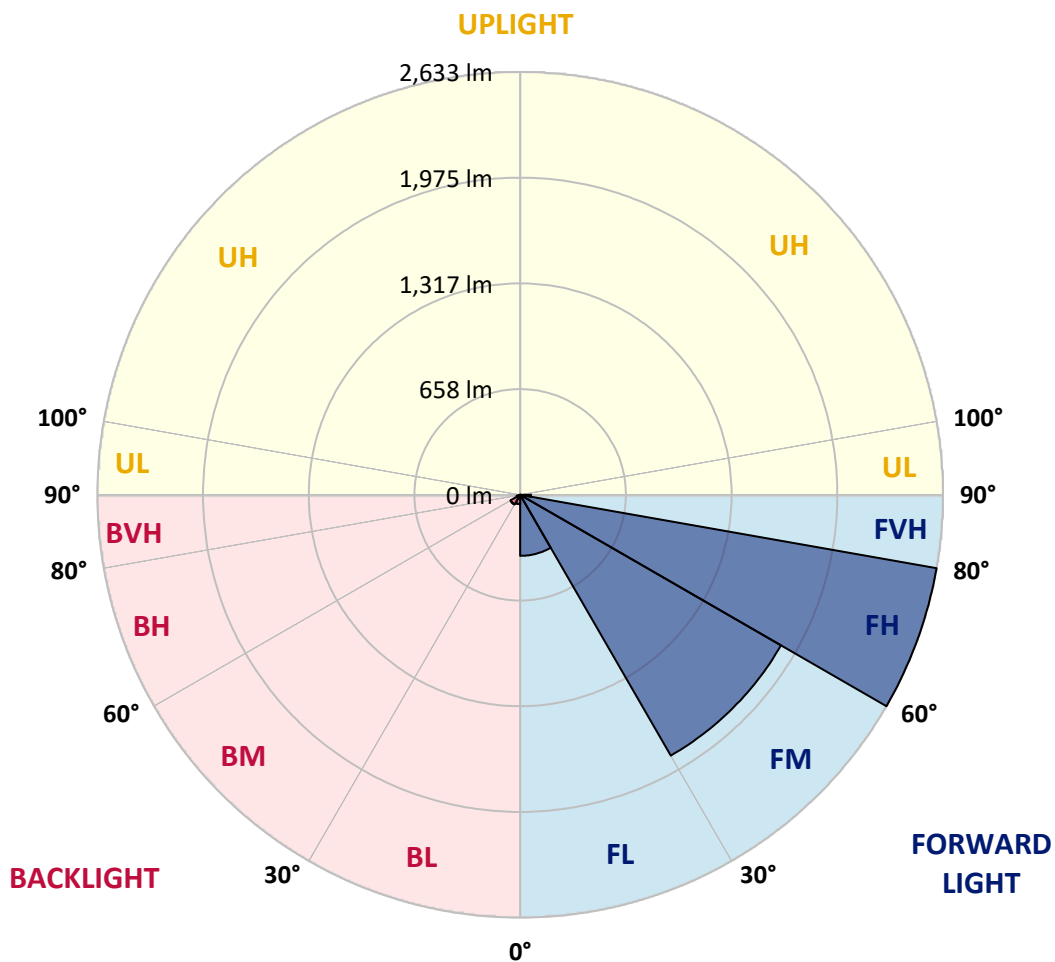
CATALOG NUMBER: VTS-F03-LED-E1-SL4-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 380.2 | 7.4 | | | |
| FM | (30°-60°) | 1875.6 | 36.7 | | | |
| FH | (60°-80°) | 2633.3 | 51.5 | | | G2/5000 |
| FVH | (80°-90°) | 67.9 | 1.3 | | | G1/100 |
| BL | (0°-30°) | 57.9 | 1.1 | B0/110 | | |
| BM | (30°-60°) | 69.5 | 1.4 | B0/220 | | |
| BH | (60°-80°) | 22.2 | 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° | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 |
| 2.5° | 514.8 | 508.9 | 502.1 | 502.1 | 493.8 | 493.8 | 488.8 | 475.4 | 473.7 | 466.2 | 458.6 |
| 5° | 657.0 | 652.0 | 643.6 | 636.1 | 629.4 | 617.7 | 609.3 | 593.4 | 575.8 | 559.1 | 544.0 |
| 7.5° | 796.0 | 793.4 | 778.4 | 775.8 | 765.0 | 745.7 | 729.0 | 705.5 | 675.4 | 652.0 | 624.4 |
| 10° | 924.9 | 919.0 | 915.6 | 901.4 | 885.5 | 864.6 | 838.6 | 810.2 | 775.0 | 738.2 | 698.8 |
| 12.5° | 1027.0 | 1023.6 | 1008.5 | 1002.7 | 985.9 | 965.0 | 932.4 | 895.5 | 860.4 | 812.7 | 766.6 |
| 15° | 1103.1 | 1097.3 | 1087.2 | 1078.0 | 1057.9 | 1039.5 | 1009.4 | 969.2 | 926.5 | 874.6 | 819.4 |
| 17.5° | 1166.7 | 1155.9 | 1153.3 | 1139.1 | 1118.2 | 1096.4 | 1062.9 | 1026.1 | 975.9 | 924.0 | 863.7 |
| 20° | 1252.1 | 1237.0 | 1232.0 | 1211.0 | 1186.8 | 1156.7 | 1118.2 | 1072.1 | 1019.4 | 962.5 | 900.6 |
| 22.5° | 1352.5 | 1341.6 | 1330.7 | 1312.3 | 1281.4 | 1238.7 | 1182.6 | 1132.4 | 1065.4 | 1002.7 | 935.7 |
| 25° | 1494.8 | 1485.6 | 1468.0 | 1442.9 | 1404.4 | 1353.4 | 1285.6 | 1211.9 | 1133.2 | 1052.9 | 974.2 |
| 27.5° | 1632.9 | 1624.5 | 1612.0 | 1592.7 | 1549.2 | 1493.1 | 1409.4 | 1315.7 | 1216.1 | 1119.0 | 1031.9 |
| 30° | 1762.6 | 1755.1 | 1742.5 | 1723.3 | 1684.8 | 1629.5 | 1535.0 | 1434.5 | 1310.7 | 1197.7 | 1093.1 |
| 32.5° | 1902.4 | 1899.9 | 1885.6 | 1858.0 | 1824.6 | 1750.1 | 1647.1 | 1539.2 | 1413.6 | 1283.1 | 1160.8 |
| 35° | 2060.6 | 2041.3 | 2027.9 | 2000.3 | 1943.4 | 1863.9 | 1743.4 | 1625.4 | 1493.1 | 1359.2 | 1222.8 |
| 37.5° | 2194.5 | 2176.1 | 2159.3 | 2124.2 | 2054.7 | 1953.4 | 1817.0 | 1687.3 | 1550.9 | 1414.4 | 1275.5 |
| 40° | 2292.4 | 2283.2 | 2263.1 | 2217.1 | 2139.3 | 2018.8 | 1871.4 | 1730.0 | 1592.7 | 1455.5 | 1318.2 |
| 42.5° | 2365.2 | 2351.0 | 2328.4 | 2280.7 | 2188.7 | 2051.4 | 1893.2 | 1747.6 | 1612.0 | 1480.6 | 1345.8 |
| 45° | 2392.0 | 2380.3 | 2359.4 | 2307.5 | 2207.9 | 2060.6 | 1892.3 | 1742.5 | 1612.8 | 1488.1 | 1364.2 |
| 47.5° | 2376.1 | 2364.4 | 2346.0 | 2297.4 | 2199.5 | 2049.7 | 1877.3 | 1728.3 | 1604.4 | 1490.6 | 1381.0 |
| 50° | 2323.4 | 2316.7 | 2302.5 | 2261.4 | 2173.6 | 2028.8 | 1863.9 | 1720.8 | 1602.8 | 1503.2 | 1404.4 |
| 52.5° | 2318.4 | 2314.2 | 2296.6 | 2255.6 | 2166.0 | 2022.1 | 1862.2 | 1725.0 | 1617.0 | 1519.1 | 1421.2 |
| 55° | 2833.1 | 2773.6 | 2640.6 | 2527.6 | 2341.8 | 2120.9 | 1946.7 | 1792.7 | 1677.3 | 1581.9 | 1513.2 |
| 57.5° | 4026.6 | 3937.9 | 3762.9 | 3547.9 | 3121.0 | 2701.7 | 2366.1 | 2123.3 | 2003.7 | 1960.1 | 1986.1 |
| 60° | 4585.6 | 4569.8 | 4542.1 | 4440.0 | 4221.6 | 3860.9 | 3459.1 | 3024.8 | 2850.6 | 2835.6 | 2888.3 |
| 62.5° | 4851.0 | 4840.9 | 4849.3 | 4836.8 | 4769.0 | 4663.5 | 4548.0 | 4360.5 | 4188.1 | 4076.8 | 3840.8 |
| 65° | 4973.2 | 4979.9 | 5027.6 | 5065.2 | 5073.6 | 5101.2 | 5185.8 | 5419.3 | 5590.0 | 5302.9 | 4647.6 |
| 67.5° | 4662.6 | 4702.0 | 4811.7 | 4948.9 | 5109.6 | 5265.3 | 5516.3 | 6008.5 | 6359.2 | 6021.9 | 5091.2 |
| 69° | 3860.0 | 3879.3 | 4147.1 | 4405.7 | 4798.2 | 5072.8 | 5436.9 | 6082.1 | 6476.4 | 6095.5 | 5056.0 |
| 70° | 3039.0 | 3056.5 | 3343.6 | 3695.1 | 4358.9 | 4712.0 | 5188.3 | 5957.4 | 6366.7 | 5997.6 | 4875.2 |
| 72.5° | 1370.9 | 1345.8 | 1447.1 | 1635.4 | 2356.8 | 2917.6 | 3750.4 | 4826.7 | 5252.7 | 4805.0 | 3647.4 |
| 75° | 957.5 | 946.6 | 957.5 | 958.3 | 1070.5 | 1381.0 | 1742.5 | 2616.3 | 3235.6 | 2792.1 | 1742.5 |
| 77.5° | 741.5 | 734.0 | 726.5 | 718.1 | 731.5 | 819.4 | 854.5 | 928.2 | 1205.2 | 1139.9 | 664.5 |
| 80° | 586.7 | 580.0 | 598.4 | 592.6 | 592.6 | 602.6 | 595.9 | 568.3 | 516.4 | 478.7 | 428.5 |
| 82.5° | 272.8 | 274.5 | 274.5 | 297.9 | 359.1 | 419.3 | 438.6 | 411.0 | 364.9 | 310.5 | 250.3 |
| 85° | 25.9 | 29.3 | 49.4 | 76.2 | 151.5 | 170.7 | 171.6 | 142.3 | 142.3 | 112.2 | 90.4 |
| 87.5° | 0.0 | 0.8 | 0.8 | 0.8 | 7.5 | 20.9 | 17.6 | 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-F03-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 |
| 2.5° | 445.3 | 442.7 | 432.7 | 422.7 | 413.5 | 403.4 | 394.2 | 385.0 | 374.9 | 367.4 | 358.2 |
| 5° | 520.6 | 502.1 | 481.3 | 461.2 | 441.1 | 420.2 | 398.4 | 379.2 | 359.1 | 340.6 | 323.0 |
| 7.5° | 596.7 | 560.7 | 532.3 | 496.3 | 463.7 | 431.0 | 400.9 | 370.0 | 341.5 | 314.7 | 289.6 |
| 10° | 661.2 | 617.7 | 573.3 | 527.3 | 480.4 | 436.9 | 395.1 | 358.2 | 320.6 | 287.9 | 257.0 |
| 12.5° | 713.9 | 658.7 | 604.3 | 546.5 | 493.8 | 438.6 | 386.7 | 342.3 | 297.9 | 261.1 | 229.3 |
| 15° | 761.6 | 698.0 | 632.7 | 565.8 | 498.8 | 436.1 | 378.3 | 323.0 | 277.9 | 236.0 | 200.0 |
| 17.5° | 800.1 | 727.3 | 653.7 | 578.3 | 506.4 | 432.7 | 367.4 | 309.7 | 257.0 | 213.4 | 178.3 |
| 20° | 833.6 | 757.4 | 677.9 | 593.4 | 511.4 | 431.9 | 358.2 | 293.0 | 238.5 | 192.5 | 158.2 |
| 22.5° | 864.6 | 788.4 | 703.1 | 612.6 | 518.9 | 431.0 | 349.8 | 280.4 | 222.6 | 176.6 | 142.3 |
| 25° | 899.7 | 819.4 | 729.8 | 632.7 | 532.3 | 434.4 | 344.8 | 270.3 | 208.4 | 161.5 | 129.7 |
| 27.5° | 939.1 | 854.5 | 761.6 | 657.8 | 549.9 | 441.1 | 343.2 | 259.5 | 195.8 | 147.3 | 119.7 |
| 30° | 994.3 | 896.4 | 793.4 | 682.9 | 565.8 | 448.6 | 341.5 | 252.8 | 183.3 | 136.4 | 109.6 |
| 32.5° | 1042.9 | 937.4 | 828.6 | 708.9 | 583.4 | 456.2 | 340.6 | 243.6 | 171.6 | 125.5 | 102.1 |
| 35° | 1093.9 | 975.1 | 858.7 | 734.0 | 598.4 | 464.5 | 339.8 | 236.8 | 160.7 | 114.7 | 94.6 |
| 37.5° | 1138.3 | 1006.8 | 882.2 | 755.8 | 615.2 | 472.1 | 340.6 | 231.0 | 150.6 | 105.5 | 87.9 |
| 40° | 1175.9 | 1039.5 | 908.1 | 775.8 | 632.7 | 483.7 | 341.5 | 225.2 | 140.6 | 97.1 | 82.0 |
| 42.5° | 1209.4 | 1070.5 | 935.7 | 798.5 | 652.8 | 497.2 | 346.5 | 220.1 | 132.2 | 89.6 | 76.2 |
| 45° | 1235.3 | 1098.9 | 965.8 | 830.3 | 685.5 | 518.9 | 355.7 | 216.8 | 123.9 | 82.8 | 71.2 |
| 47.5° | 1262.1 | 1140.8 | 1016.9 | 880.5 | 733.2 | 553.2 | 371.6 | 216.0 | 117.2 | 77.8 | 66.9 |
| 50° | 1299.0 | 1182.6 | 1062.1 | 931.5 | 776.7 | 588.4 | 390.8 | 216.8 | 108.8 | 72.8 | 62.8 |
| 52.5° | 1325.8 | 1225.3 | 1120.7 | 1020.3 | 880.5 | 695.5 | 465.3 | 231.8 | 104.6 | 68.6 | 57.7 |
| 55° | 1483.9 | 1466.3 | 1468.8 | 1485.6 | 1377.6 | 1183.4 | 778.4 | 334.8 | 123.0 | 77.8 | 56.9 |
| 57.5° | 2092.4 | 2154.3 | 2190.3 | 2189.5 | 2011.2 | 1668.1 | 1045.4 | 430.2 | 137.3 | 90.4 | 67.8 |
| 60° | 2892.5 | 2845.7 | 2779.5 | 2616.3 | 2379.5 | 1904.1 | 1169.2 | 462.9 | 118.8 | 72.0 | 62.0 |
| 62.5° | 3599.7 | 3325.2 | 3081.6 | 2817.2 | 2506.7 | 1986.1 | 1194.3 | 460.3 | 103.8 | 54.4 | 43.5 |
| 65° | 4040.8 | 3547.0 | 3153.7 | 2822.2 | 2456.5 | 1917.5 | 1129.9 | 422.7 | 87.9 | 44.4 | 36.0 |
| 67.5° | 4146.3 | 3427.3 | 2870.8 | 2448.1 | 2052.2 | 1492.3 | 829.4 | 318.1 | 68.6 | 36.8 | 31.8 |
| 69° | 3916.1 | 3046.5 | 2378.6 | 1899.1 | 1493.1 | 990.1 | 513.1 | 200.9 | 52.7 | 33.5 | 29.3 |
| 70° | 3602.2 | 2649.8 | 1937.5 | 1524.1 | 1105.6 | 695.5 | 359.1 | 141.4 | 42.7 | 31.0 | 26.8 |
| 72.5° | 2317.5 | 1391.8 | 952.5 | 662.9 | 456.2 | 277.0 | 140.6 | 63.6 | 32.6 | 25.9 | 21.8 |
| 75° | 898.9 | 514.8 | 373.3 | 283.7 | 221.8 | 154.0 | 85.4 | 41.0 | 27.6 | 21.8 | 16.7 |
| 77.5° | 442.7 | 338.9 | 277.0 | 190.0 | 110.5 | 68.6 | 46.0 | 31.8 | 22.6 | 15.9 | 10.9 |
| 80° | 349.8 | 232.7 | 139.0 | 86.2 | 65.3 | 49.4 | 35.2 | 25.9 | 16.7 | 10.1 | 7.5 |
| 82.5° | 179.1 | 97.9 | 72.0 | 58.6 | 48.5 | 38.5 | 28.5 | 18.4 | 10.9 | 6.7 | 5.8 |
| 85° | 56.1 | 41.0 | 36.8 | 36.0 | 33.5 | 27.6 | 20.1 | 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 | 3.4 | 3.4 | 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-F03-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 |
| 2.5° | 351.5 | 341.5 | 332.3 | 326.4 | 315.5 | 311.4 | 307.2 | 305.5 | 297.9 | 299.6 | 293.0 |
| 5° | 307.2 | 289.6 | 276.2 | 262.8 | 250.3 | 241.1 | 233.5 | 224.3 | 216.8 | 213.4 | 206.7 |
| 7.5° | 267.0 | 244.4 | 226.8 | 212.6 | 197.5 | 185.8 | 175.8 | 169.0 | 162.4 | 155.7 | 152.3 |
| 10° | 231.8 | 207.6 | 187.5 | 173.3 | 159.0 | 149.0 | 141.4 | 136.4 | 132.2 | 129.7 | 128.9 |
| 12.5° | 199.2 | 175.8 | 157.4 | 144.8 | 133.9 | 128.9 | 125.5 | 123.0 | 122.2 | 121.4 | 121.4 |
| 15° | 174.1 | 150.6 | 136.4 | 127.2 | 122.2 | 119.7 | 118.8 | 117.2 | 115.5 | 114.7 | 114.7 |
| 17.5° | 150.6 | 133.1 | 123.0 | 118.0 | 115.5 | 113.8 | 112.2 | 110.5 | 108.8 | 108.0 | 108.0 |
| 20° | 134.7 | 120.5 | 115.5 | 112.2 | 109.6 | 108.0 | 105.5 | 103.8 | 103.0 | 102.1 | 101.3 |
| 22.5° | 122.2 | 113.0 | 109.6 | 107.1 | 103.8 | 101.3 | 99.6 | 97.9 | 96.3 | 95.4 | 94.6 |
| 25° | 113.0 | 107.1 | 104.6 | 101.3 | 97.9 | 95.4 | 92.9 | 90.4 | 88.7 | 87.9 | 86.2 |
| 27.5° | 106.3 | 102.1 | 98.8 | 94.6 | 91.2 | 88.7 | 86.2 | 83.7 | 82.0 | 80.4 | 79.5 |
| 30° | 100.4 | 96.3 | 92.0 | 88.7 | 84.5 | 82.0 | 78.7 | 76.2 | 75.3 | 73.6 | 72.0 |
| 32.5° | 94.6 | 90.4 | 86.2 | 82.0 | 77.8 | 74.5 | 72.8 | 69.5 | 67.8 | 66.9 | 65.3 |
| 35° | 87.9 | 83.7 | 78.7 | 75.3 | 71.2 | 67.8 | 65.3 | 62.8 | 61.1 | 59.4 | 58.6 |
| 37.5° | 82.0 | 77.0 | 72.0 | 67.8 | 64.4 | 61.1 | 58.6 | 56.1 | 54.4 | 52.7 | 51.9 |
| 40° | 75.3 | 70.3 | 65.3 | 61.1 | 57.7 | 55.2 | 52.7 | 50.2 | 48.5 | 47.7 | 47.7 |
| 42.5° | 69.5 | 63.6 | 58.6 | 55.2 | 52.7 | 49.4 | 46.9 | 44.4 | 43.5 | 42.7 | 43.5 |
| 45° | 63.6 | 57.7 | 53.6 | 50.2 | 47.7 | 44.4 | 41.8 | 40.2 | 39.3 | 40.2 | 41.0 |
| 47.5° | 58.6 | 52.7 | 48.5 | 46.0 | 43.5 | 41.0 | 38.5 | 36.8 | 36.8 | 38.5 | 40.2 |
| 50° | 53.6 | 47.7 | 44.4 | 42.7 | 40.2 | 37.7 | 34.3 | 33.5 | 34.3 | 36.0 | 37.7 |
| 52.5° | 48.5 | 41.8 | 39.3 | 38.5 | 36.0 | 33.5 | 31.0 | 30.1 | 31.0 | 32.6 | 31.8 |
| 55° | 43.5 | 36.8 | 36.0 | 35.2 | 32.6 | 29.3 | 26.8 | 26.8 | 26.8 | 25.9 | 24.3 |
| 57.5° | 41.8 | 32.6 | 31.8 | 31.0 | 28.5 | 25.1 | 23.4 | 21.8 | 20.9 | 18.4 | 17.6 |
| 60° | 43.5 | 29.3 | 29.3 | 27.6 | 25.1 | 21.8 | 19.3 | 16.7 | 15.0 | 13.4 | 13.4 |
| 62.5° | 35.2 | 26.8 | 25.9 | 24.3 | 20.9 | 17.6 | 15.0 | 12.6 | 11.7 | 10.9 | 10.9 |
| 65° | 28.5 | 24.3 | 22.6 | 20.1 | 17.6 | 14.2 | 11.7 | 10.1 | 9.2 | 9.2 | 10.1 |
| 67.5° | 25.9 | 21.8 | 19.3 | 16.7 | 14.2 | 10.9 | 9.2 | 8.4 | 8.4 | 9.2 | 9.2 |
| 69° | 24.3 | 20.1 | 17.6 | 15.0 | 12.6 | 10.1 | 8.4 | 8.4 | 8.4 | 8.4 | 9.2 |
| 70° | 22.6 | 19.3 | 16.7 | 14.2 | 10.9 | 8.4 | 7.5 | 7.5 | 8.4 | 8.4 | 9.2 |
| 72.5° | 17.6 | 15.0 | 14.2 | 11.7 | 8.4 | 7.5 | 6.7 | 7.5 | 7.5 | 8.4 | 8.4 |
| 75° | 13.4 | 10.9 | 10.9 | 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 | 3.4 | 3.4 | 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 |



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CATALOG NUMBER: VTS-F03-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 385.9 | 385.9 | 385.9 | 385.9 |
| 2.5° | 291.3 | 290.4 | 287.1 | 287.9 |
| 5° | 204.2 | 199.2 | 202.5 | 201.7 |
| 7.5° | 149.8 | 149.0 | 148.2 | 149.8 |
| 10° | 128.1 | 128.1 | 127.2 | 128.1 |
| 12.5° | 120.5 | 120.5 | 120.5 | 120.5 |
| 15° | 114.7 | 114.7 | 113.8 | 113.8 |
| 17.5° | 108.0 | 108.0 | 108.0 | 107.1 |
| 20° | 101.3 | 100.4 | 100.4 | 100.4 |
| 22.5° | 93.7 | 92.9 | 92.9 | 92.9 |
| 25° | 86.2 | 85.4 | 85.4 | 85.4 |
| 27.5° | 78.7 | 77.8 | 77.0 | 77.0 |
| 30° | 71.2 | 70.3 | 69.5 | 69.5 |
| 32.5° | 63.6 | 62.8 | 62.0 | 62.0 |
| 35° | 56.9 | 56.9 | 56.1 | 55.2 |
| 37.5° | 51.1 | 51.1 | 51.1 | 51.1 |
| 40° | 46.9 | 47.7 | 47.7 | 47.7 |
| 42.5° | 44.4 | 45.2 | 46.0 | 46.9 |
| 45° | 42.7 | 44.4 | 45.2 | 45.2 |
| 47.5° | 41.8 | 42.7 | 43.5 | 43.5 |
| 50° | 38.5 | 37.7 | 37.7 | 37.7 |
| 52.5° | 31.0 | 29.3 | 28.5 | 27.6 |
| 55° | 22.6 | 21.8 | 20.1 | 20.1 |
| 57.5° | 15.9 | 15.9 | 15.0 | 15.0 |
| 60° | 12.6 | 12.6 | 11.7 | 12.6 |
| 62.5° | 10.9 | 10.9 | 10.9 | 10.9 |
| 65° | 10.1 | 10.1 | 10.1 | 10.1 |
| 67.5° | 10.1 | 10.1 | 10.1 | 10.1 |
| 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)