

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: P165354

Luminaire Tested: **VTS-F02-LED-E1-SL4-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165354
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-F02-LED-E1-SL4-HSS-7060
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3406.1 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

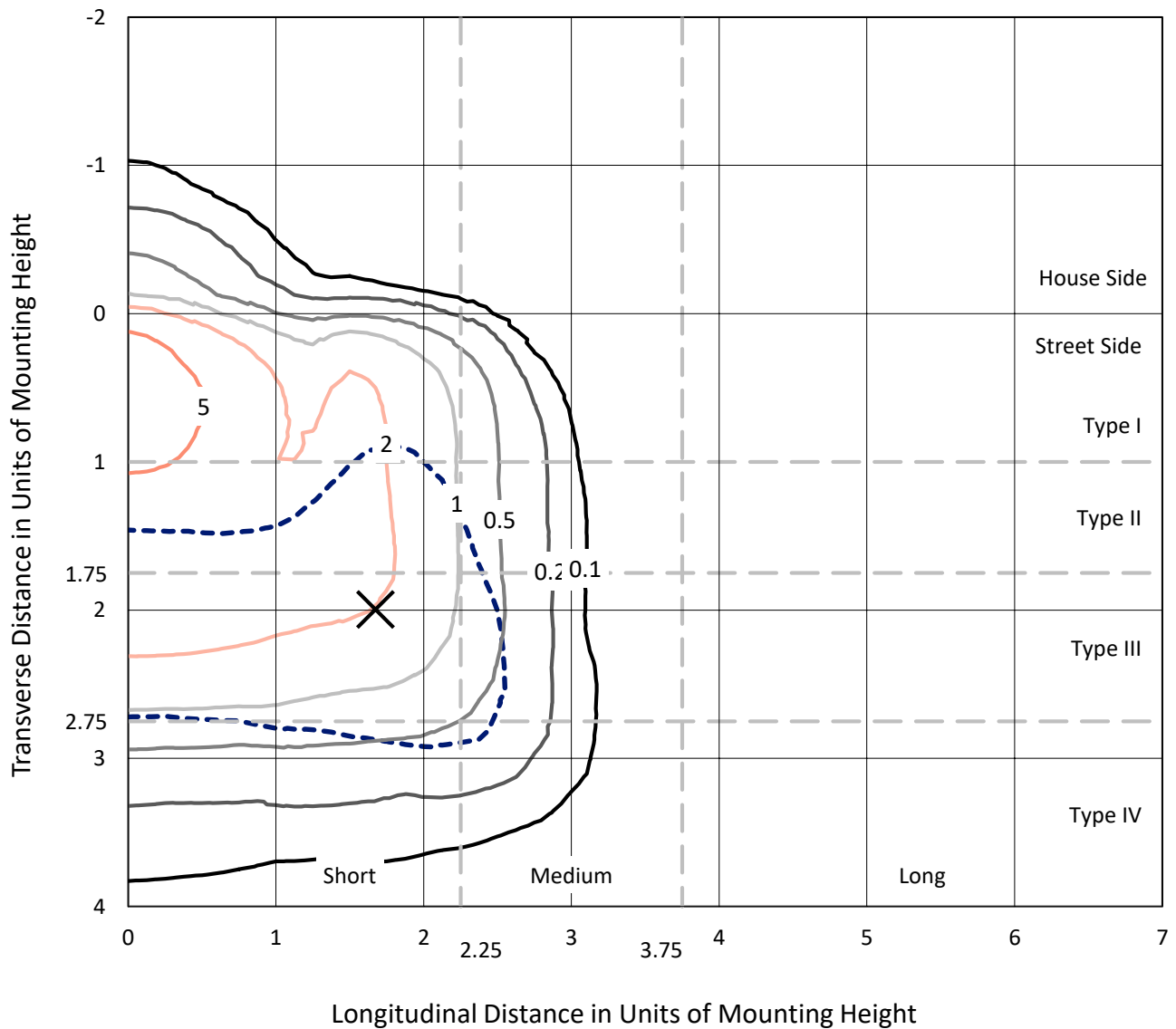
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

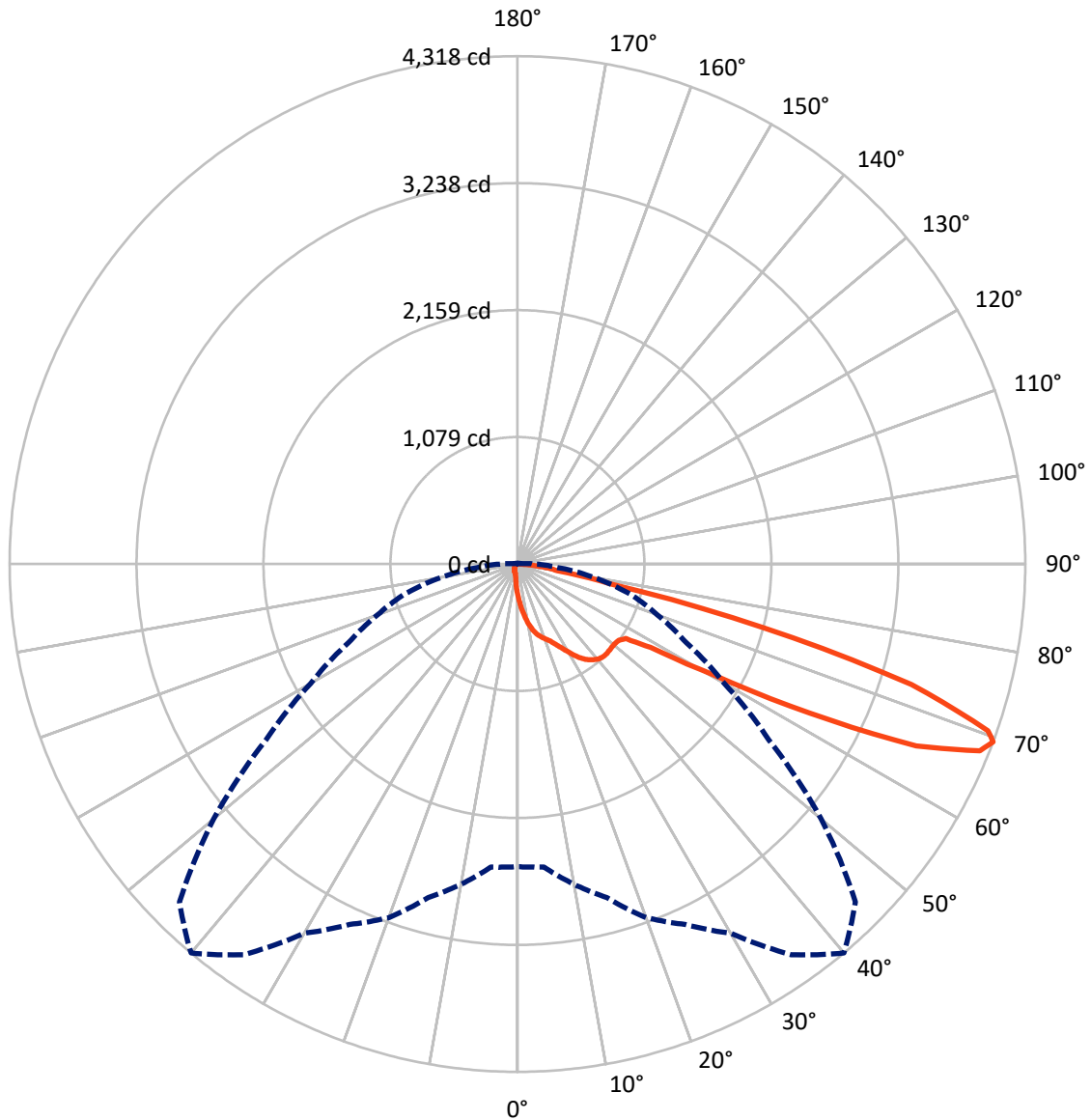


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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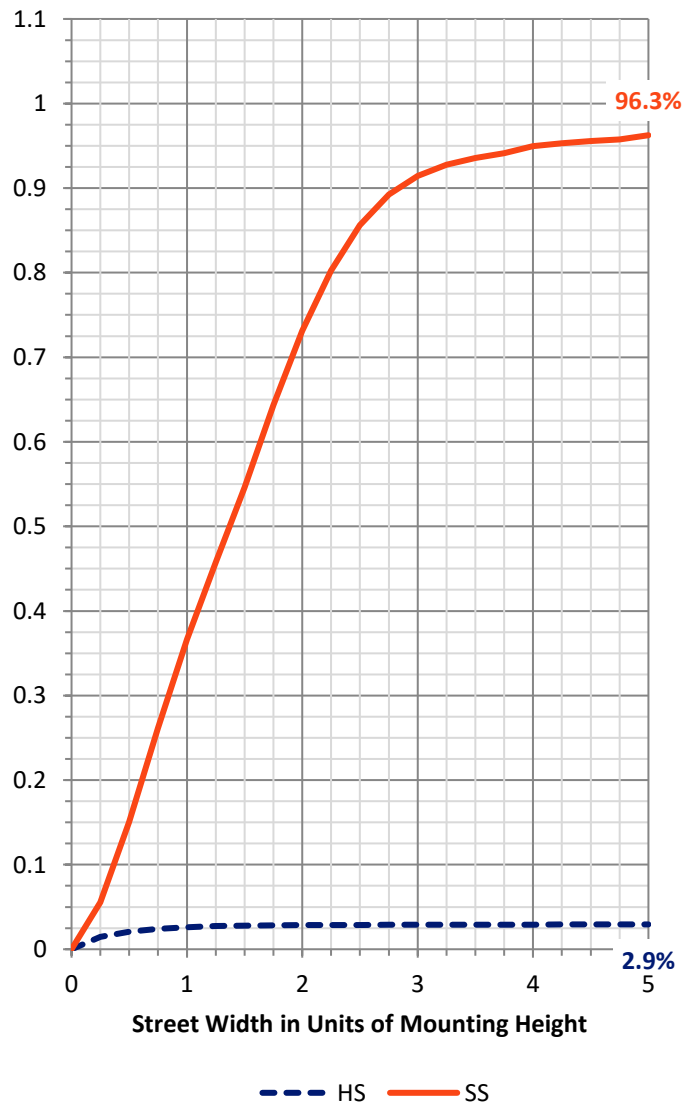
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 101.4 | 0.0 | 101.4 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 3304.6 | 0.0 | 3304.6 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 3406.1 | 0.0 | 3406.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.4 | 0.8 |
| 10°-20° | 91.2 | 2.7 |
| 20°-30° | 174.5 | 5.1 |
| 30°-40° | 290.1 | 8.5 |
| 40°-50° | 392.6 | 11.5 |
| 50°-60° | 614.0 | 18.0 |
| 60°-70° | 1262.4 | 37.1 |
| 70°-80° | 508.0 | 14.9 |
| 80°-90° | 47.0 | 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° | 3406.1 | 100.0 |
| 0°-180° | 3406.1 | 100.0 |



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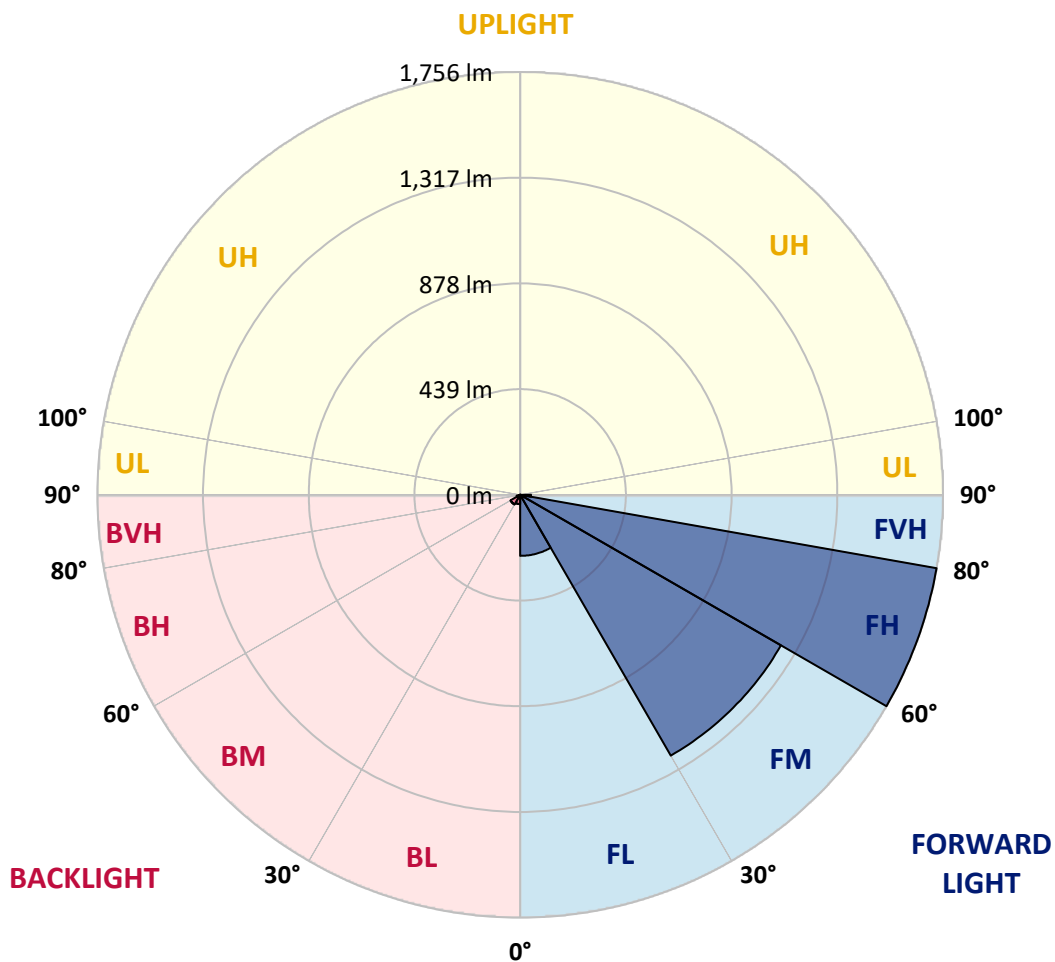
CATALOG NUMBER: VTS-F02-LED-E1-SL4-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 253.5 | 7.4 | | | |
| FM | (30°-60°) | 1250.4 | 36.7 | | | |
| FH | (60°-80°) | 1755.5 | 51.5 | | | G1/1800 |
| FVH | (80°-90°) | 45.2 | 1.3 | | | G1/100 |
| BL | (0°-30°) | 38.6 | 1.1 | B0/110 | | |
| BM | (30°-60°) | 46.3 | 1.4 | B0/220 | | |
| BH | (60°-80°) | 14.8 | 0.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.8 | 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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 |
| 2.5° | 343.2 | 339.2 | 334.8 | 334.8 | 329.2 | 329.2 | 325.9 | 316.9 | 315.8 | 310.8 | 305.8 |
| 5° | 438.0 | 434.7 | 429.1 | 424.0 | 419.6 | 411.8 | 406.2 | 395.6 | 383.9 | 372.7 | 362.7 |
| 7.5° | 530.6 | 528.9 | 518.9 | 517.2 | 510.0 | 497.2 | 486.0 | 470.4 | 450.3 | 434.7 | 416.3 |
| 10° | 616.6 | 612.6 | 610.4 | 600.9 | 590.3 | 576.4 | 559.1 | 540.1 | 516.7 | 492.1 | 465.9 |
| 12.5° | 684.6 | 682.4 | 672.3 | 668.4 | 657.3 | 643.3 | 621.6 | 597.0 | 573.6 | 541.8 | 511.1 |
| 15° | 735.4 | 731.5 | 724.8 | 718.7 | 705.3 | 693.0 | 672.9 | 646.1 | 617.7 | 583.1 | 546.3 |
| 17.5° | 777.8 | 770.6 | 768.9 | 759.4 | 745.5 | 730.9 | 708.6 | 684.1 | 650.6 | 616.0 | 575.8 |
| 20° | 834.7 | 824.7 | 821.3 | 807.4 | 791.2 | 771.1 | 745.5 | 714.8 | 679.6 | 641.7 | 600.4 |
| 22.5° | 901.7 | 894.4 | 887.2 | 874.9 | 854.3 | 825.8 | 788.4 | 754.9 | 710.3 | 668.4 | 623.8 |
| 25° | 996.5 | 990.4 | 978.7 | 961.9 | 936.3 | 902.2 | 857.0 | 807.9 | 755.5 | 701.9 | 649.5 |
| 27.5° | 1088.6 | 1083.0 | 1074.6 | 1061.8 | 1032.8 | 995.4 | 939.6 | 877.1 | 810.7 | 746.0 | 688.0 |
| 30° | 1175.1 | 1170.0 | 1161.7 | 1148.9 | 1123.2 | 1086.4 | 1023.3 | 956.3 | 873.8 | 798.5 | 728.7 |
| 32.5° | 1268.3 | 1266.6 | 1257.1 | 1238.7 | 1216.4 | 1166.7 | 1098.1 | 1026.1 | 942.4 | 855.4 | 773.9 |
| 35° | 1373.7 | 1360.9 | 1352.0 | 1333.5 | 1295.6 | 1242.6 | 1162.3 | 1083.6 | 995.4 | 906.1 | 815.2 |
| 37.5° | 1463.0 | 1450.7 | 1439.6 | 1416.1 | 1369.8 | 1302.3 | 1211.4 | 1124.8 | 1033.9 | 943.0 | 850.3 |
| 40° | 1528.3 | 1522.1 | 1508.7 | 1478.0 | 1426.2 | 1345.8 | 1247.6 | 1153.3 | 1061.8 | 970.3 | 878.8 |
| 42.5° | 1576.8 | 1567.3 | 1552.3 | 1520.5 | 1459.1 | 1367.6 | 1262.1 | 1165.0 | 1074.6 | 987.0 | 897.2 |
| 45° | 1594.7 | 1586.9 | 1572.9 | 1538.3 | 1471.9 | 1373.7 | 1261.6 | 1161.7 | 1075.2 | 992.1 | 909.5 |
| 47.5° | 1584.1 | 1576.3 | 1564.0 | 1531.6 | 1466.4 | 1366.5 | 1251.5 | 1152.2 | 1069.6 | 993.8 | 920.6 |
| 50° | 1548.9 | 1544.5 | 1535.0 | 1507.6 | 1449.0 | 1352.5 | 1242.6 | 1147.2 | 1068.5 | 1002.1 | 936.3 |
| 52.5° | 1545.6 | 1542.8 | 1531.1 | 1503.7 | 1444.0 | 1348.0 | 1241.5 | 1150.0 | 1078.0 | 1012.7 | 947.4 |
| 55° | 1888.7 | 1849.1 | 1760.4 | 1685.1 | 1561.2 | 1413.9 | 1297.8 | 1195.2 | 1118.2 | 1054.6 | 1008.8 |
| 57.5° | 2684.4 | 2625.3 | 2508.6 | 2365.2 | 2080.7 | 1801.1 | 1577.4 | 1415.6 | 1335.8 | 1306.8 | 1324.0 |
| 60° | 3057.1 | 3046.5 | 3028.1 | 2960.0 | 2814.4 | 2573.9 | 2306.1 | 2016.5 | 1900.4 | 1890.4 | 1925.5 |
| 62.5° | 3234.0 | 3227.3 | 3232.9 | 3224.5 | 3179.3 | 3109.0 | 3032.0 | 2907.0 | 2792.1 | 2717.9 | 2560.5 |
| 65° | 3315.5 | 3319.9 | 3351.7 | 3376.8 | 3382.4 | 3400.8 | 3457.2 | 3612.8 | 3726.7 | 3535.3 | 3098.4 |
| 67.5° | 3108.4 | 3134.7 | 3207.8 | 3299.3 | 3406.4 | 3510.2 | 3677.6 | 4005.7 | 4239.4 | 4014.6 | 3394.1 |
| 69° | 2573.3 | 2586.2 | 2764.7 | 2937.1 | 3198.8 | 3381.9 | 3624.6 | 4054.7 | 4317.6 | 4063.7 | 3370.7 |
| 70° | 2026.0 | 2037.7 | 2229.1 | 2463.4 | 2905.9 | 3141.4 | 3458.8 | 3971.6 | 4244.5 | 3998.4 | 3250.2 |
| 72.5° | 914.0 | 897.2 | 964.7 | 1090.3 | 1571.2 | 1945.1 | 2500.3 | 3217.8 | 3501.8 | 3203.3 | 2431.6 |
| 75° | 638.3 | 631.1 | 638.3 | 638.9 | 713.6 | 920.6 | 1161.7 | 1744.2 | 2157.1 | 1861.4 | 1161.7 |
| 77.5° | 494.4 | 489.3 | 484.3 | 478.7 | 487.7 | 546.3 | 569.7 | 618.8 | 803.5 | 760.0 | 443.0 |
| 80° | 391.1 | 386.7 | 398.9 | 395.0 | 395.0 | 401.8 | 397.3 | 378.8 | 344.3 | 319.1 | 285.7 |
| 82.5° | 181.9 | 183.0 | 183.0 | 198.6 | 239.4 | 279.5 | 292.4 | 274.0 | 243.3 | 207.0 | 166.8 |
| 85° | 17.3 | 19.5 | 32.9 | 50.8 | 101.0 | 113.8 | 114.4 | 94.8 | 94.8 | 74.8 | 60.2 |
| 87.5° | 0.0 | 0.5 | 0.5 | 0.5 | 5.0 | 14.0 | 11.7 | 3.4 | 1.7 | 1.7 | 2.8 |
| 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° | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 |
| 2.5° | 296.8 | 295.2 | 288.5 | 281.8 | 275.6 | 268.9 | 262.8 | 256.7 | 250.0 | 244.9 | 238.8 |
| 5° | 347.1 | 334.8 | 320.8 | 307.5 | 294.0 | 280.1 | 265.6 | 252.8 | 239.4 | 227.1 | 215.4 |
| 7.5° | 397.8 | 373.8 | 354.9 | 330.9 | 309.1 | 287.4 | 267.3 | 246.6 | 227.7 | 209.8 | 193.1 |
| 10° | 440.8 | 411.8 | 382.2 | 351.5 | 320.3 | 291.3 | 263.4 | 238.8 | 213.7 | 191.9 | 171.3 |
| 12.5° | 476.0 | 439.1 | 402.9 | 364.3 | 329.2 | 292.4 | 257.8 | 228.2 | 198.6 | 174.1 | 152.9 |
| 15° | 507.7 | 465.3 | 421.8 | 377.2 | 332.6 | 290.7 | 252.2 | 215.4 | 185.2 | 157.4 | 133.4 |
| 17.5° | 533.4 | 484.9 | 435.8 | 385.6 | 337.6 | 288.5 | 244.9 | 206.4 | 171.3 | 142.3 | 118.9 |
| 20° | 555.7 | 505.0 | 452.0 | 395.6 | 340.9 | 287.9 | 238.8 | 195.3 | 159.0 | 128.3 | 105.4 |
| 22.5° | 576.4 | 525.6 | 468.7 | 408.4 | 345.9 | 287.4 | 233.2 | 186.9 | 148.4 | 117.7 | 94.8 |
| 25° | 599.8 | 546.3 | 486.6 | 421.8 | 354.9 | 289.6 | 229.9 | 180.2 | 138.9 | 107.7 | 86.5 |
| 27.5° | 626.1 | 569.7 | 507.7 | 438.5 | 366.6 | 294.0 | 228.8 | 173.0 | 130.6 | 98.2 | 79.8 |
| 30° | 662.9 | 597.6 | 528.9 | 455.3 | 377.2 | 299.1 | 227.7 | 168.5 | 122.2 | 90.9 | 73.1 |
| 32.5° | 695.2 | 624.9 | 552.4 | 472.6 | 388.9 | 304.1 | 227.1 | 162.4 | 114.4 | 83.7 | 68.1 |
| 35° | 729.3 | 650.0 | 572.5 | 489.3 | 398.9 | 309.7 | 226.5 | 157.9 | 107.1 | 76.4 | 63.1 |
| 37.5° | 758.8 | 671.2 | 588.1 | 503.8 | 410.1 | 314.7 | 227.1 | 154.0 | 100.4 | 70.3 | 58.6 |
| 40° | 784.0 | 693.0 | 605.4 | 517.2 | 421.8 | 322.5 | 227.7 | 150.1 | 93.8 | 64.7 | 54.7 |
| 42.5° | 806.3 | 713.6 | 623.8 | 532.3 | 435.2 | 331.4 | 231.0 | 146.7 | 88.2 | 59.7 | 50.8 |
| 45° | 823.6 | 732.6 | 643.9 | 553.5 | 457.0 | 345.9 | 237.1 | 144.5 | 82.6 | 55.2 | 47.4 |
| 47.5° | 841.4 | 760.5 | 677.9 | 587.0 | 488.8 | 368.8 | 247.8 | 144.0 | 78.1 | 51.9 | 44.6 |
| 50° | 866.0 | 788.4 | 708.1 | 621.0 | 517.8 | 392.3 | 260.6 | 144.5 | 72.5 | 48.6 | 41.8 |
| 52.5° | 883.8 | 816.9 | 747.1 | 680.2 | 587.0 | 463.7 | 310.2 | 154.5 | 69.7 | 45.7 | 38.5 |
| 55° | 989.3 | 977.6 | 979.2 | 990.4 | 918.4 | 789.0 | 518.9 | 223.2 | 82.0 | 51.9 | 37.9 |
| 57.5° | 1394.9 | 1436.2 | 1460.2 | 1459.6 | 1340.8 | 1112.0 | 696.9 | 286.8 | 91.5 | 60.2 | 45.2 |
| 60° | 1928.4 | 1897.1 | 1853.0 | 1744.2 | 1586.3 | 1269.4 | 779.5 | 308.6 | 79.2 | 48.0 | 41.3 |
| 62.5° | 2399.8 | 2216.8 | 2054.4 | 1878.1 | 1671.1 | 1324.0 | 796.2 | 306.9 | 69.2 | 36.3 | 29.0 |
| 65° | 2693.9 | 2364.7 | 2102.4 | 1881.5 | 1637.6 | 1278.3 | 753.3 | 281.8 | 58.6 | 29.6 | 24.0 |
| 67.5° | 2764.2 | 2284.9 | 1913.8 | 1632.0 | 1368.1 | 994.9 | 552.9 | 212.0 | 45.7 | 24.6 | 21.2 |
| 69° | 2610.7 | 2031.0 | 1585.8 | 1266.0 | 995.4 | 660.1 | 342.0 | 133.9 | 35.1 | 22.3 | 19.5 |
| 70° | 2401.5 | 1766.5 | 1291.7 | 1016.1 | 737.1 | 463.7 | 239.4 | 94.3 | 28.5 | 20.6 | 17.9 |
| 72.5° | 1545.0 | 927.9 | 635.0 | 441.9 | 304.1 | 184.7 | 93.8 | 42.4 | 21.8 | 17.3 | 14.5 |
| 75° | 599.3 | 343.2 | 248.9 | 189.1 | 147.9 | 102.7 | 56.9 | 27.3 | 18.4 | 14.5 | 11.1 |
| 77.5° | 295.2 | 226.0 | 184.7 | 126.7 | 73.7 | 45.7 | 30.7 | 21.2 | 15.1 | 10.6 | 7.3 |
| 80° | 233.2 | 155.1 | 92.6 | 57.5 | 43.5 | 32.9 | 23.4 | 17.3 | 11.1 | 6.7 | 5.0 |
| 82.5° | 119.4 | 65.3 | 48.0 | 39.1 | 32.4 | 25.7 | 19.0 | 12.3 | 7.3 | 4.5 | 3.9 |
| 85° | 37.4 | 27.3 | 24.6 | 24.0 | 22.3 | 18.4 | 13.4 | 7.8 | 4.5 | 2.8 | 2.8 |
| 87.5° | 2.8 | 3.9 | 5.0 | 3.9 | 4.5 | 3.9 | 5.0 | 3.4 | 2.2 | 2.2 | 1.7 |
| 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-F02-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 |
| 2.5° | 234.3 | 227.7 | 221.5 | 217.6 | 210.3 | 207.6 | 204.8 | 203.7 | 198.6 | 199.7 | 195.3 |
| 5° | 204.8 | 193.1 | 184.1 | 175.2 | 166.8 | 160.7 | 155.7 | 149.5 | 144.5 | 142.3 | 137.8 |
| 7.5° | 178.0 | 162.9 | 151.2 | 141.7 | 131.7 | 123.9 | 117.2 | 112.7 | 108.3 | 103.8 | 101.5 |
| 10° | 154.5 | 138.4 | 125.0 | 115.5 | 106.0 | 99.3 | 94.3 | 90.9 | 88.2 | 86.5 | 85.9 |
| 12.5° | 132.8 | 117.2 | 104.9 | 96.5 | 89.3 | 85.9 | 83.7 | 82.0 | 81.5 | 80.9 | 80.9 |
| 15° | 116.0 | 100.4 | 90.9 | 84.8 | 81.5 | 79.8 | 79.2 | 78.1 | 77.0 | 76.4 | 76.4 |
| 17.5° | 100.4 | 88.7 | 82.0 | 78.7 | 77.0 | 75.9 | 74.8 | 73.7 | 72.5 | 72.0 | 72.0 |
| 20° | 89.8 | 80.3 | 77.0 | 74.8 | 73.1 | 72.0 | 70.3 | 69.2 | 68.6 | 68.1 | 67.5 |
| 22.5° | 81.5 | 75.3 | 73.1 | 71.4 | 69.2 | 67.5 | 66.4 | 65.3 | 64.2 | 63.6 | 63.1 |
| 25° | 75.3 | 71.4 | 69.7 | 67.5 | 65.3 | 63.6 | 61.9 | 60.2 | 59.2 | 58.6 | 57.5 |
| 27.5° | 70.8 | 68.1 | 65.8 | 63.1 | 60.8 | 59.2 | 57.5 | 55.8 | 54.7 | 53.6 | 53.0 |
| 30° | 67.0 | 64.2 | 61.4 | 59.2 | 56.3 | 54.7 | 52.5 | 50.8 | 50.2 | 49.1 | 48.0 |
| 32.5° | 63.1 | 60.2 | 57.5 | 54.7 | 51.9 | 49.7 | 48.6 | 46.3 | 45.2 | 44.6 | 43.5 |
| 35° | 58.6 | 55.8 | 52.5 | 50.2 | 47.4 | 45.2 | 43.5 | 41.8 | 40.7 | 39.6 | 39.1 |
| 37.5° | 54.7 | 51.3 | 48.0 | 45.2 | 43.0 | 40.7 | 39.1 | 37.4 | 36.3 | 35.1 | 34.6 |
| 40° | 50.2 | 46.9 | 43.5 | 40.7 | 38.5 | 36.8 | 35.1 | 33.5 | 32.4 | 31.8 | 31.8 |
| 42.5° | 46.3 | 42.4 | 39.1 | 36.8 | 35.1 | 32.9 | 31.2 | 29.6 | 29.0 | 28.5 | 29.0 |
| 45° | 42.4 | 38.5 | 35.7 | 33.5 | 31.8 | 29.6 | 27.9 | 26.8 | 26.2 | 26.8 | 27.3 |
| 47.5° | 39.1 | 35.1 | 32.4 | 30.7 | 29.0 | 27.3 | 25.7 | 24.6 | 24.6 | 25.7 | 26.8 |
| 50° | 35.7 | 31.8 | 29.6 | 28.5 | 26.8 | 25.1 | 22.9 | 22.3 | 22.9 | 24.0 | 25.1 |
| 52.5° | 32.4 | 27.9 | 26.2 | 25.7 | 24.0 | 22.3 | 20.6 | 20.1 | 20.6 | 21.8 | 21.2 |
| 55° | 29.0 | 24.6 | 24.0 | 23.4 | 21.8 | 19.5 | 17.9 | 17.9 | 17.9 | 17.3 | 16.2 |
| 57.5° | 27.9 | 21.8 | 21.2 | 20.6 | 19.0 | 16.7 | 15.6 | 14.5 | 14.0 | 12.3 | 11.7 |
| 60° | 29.0 | 19.5 | 19.5 | 18.4 | 16.7 | 14.5 | 12.8 | 11.1 | 10.0 | 8.9 | 8.9 |
| 62.5° | 23.4 | 17.9 | 17.3 | 16.2 | 14.0 | 11.7 | 10.0 | 8.4 | 7.8 | 7.3 | 7.3 |
| 65° | 19.0 | 16.2 | 15.1 | 13.4 | 11.7 | 9.5 | 7.8 | 6.7 | 6.1 | 6.1 | 6.7 |
| 67.5° | 17.3 | 14.5 | 12.8 | 11.1 | 9.5 | 7.3 | 6.1 | 5.6 | 5.6 | 6.1 | 6.1 |
| 69° | 16.2 | 13.4 | 11.7 | 10.0 | 8.4 | 6.7 | 5.6 | 5.6 | 5.6 | 5.6 | 6.1 |
| 70° | 15.1 | 12.8 | 11.1 | 9.5 | 7.3 | 5.6 | 5.0 | 5.0 | 5.6 | 5.6 | 6.1 |
| 72.5° | 11.7 | 10.0 | 9.5 | 7.8 | 5.6 | 5.0 | 4.5 | 5.0 | 5.0 | 5.6 | 5.6 |
| 75° | 8.9 | 7.3 | 7.3 | 6.1 | 4.5 | 3.9 | 3.9 | 4.5 | 4.5 | 5.0 | 5.0 |
| 77.5° | 6.1 | 5.0 | 5.0 | 4.5 | 3.9 | 3.4 | 3.4 | 3.9 | 4.5 | 4.5 | 5.0 |
| 80° | 4.5 | 3.9 | 3.4 | 3.9 | 3.4 | 2.8 | 3.4 | 3.9 | 3.9 | 4.5 | 4.5 |
| 82.5° | 3.4 | 3.4 | 3.4 | 3.4 | 2.8 | 2.8 | 3.4 | 3.4 | 3.9 | 4.5 | 4.5 |
| 85° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.4 | 3.4 | 3.9 | 3.9 |
| 87.5° | 1.7 | 1.7 | 1.7 | 2.2 | 2.2 | 2.8 | 2.8 | 2.8 | 2.8 | 3.4 | 3.4 |
| 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: P165354

CATALOG NUMBER: VTS-F02-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 257.2 | 257.2 | 257.2 | 257.2 |
| 2.5° | 194.2 | 193.6 | 191.4 | 191.9 |
| 5° | 136.1 | 132.8 | 135.0 | 134.5 |
| 7.5° | 99.9 | 99.3 | 98.8 | 99.9 |
| 10° | 85.4 | 85.4 | 84.8 | 85.4 |
| 12.5° | 80.3 | 80.3 | 80.3 | 80.3 |
| 15° | 76.4 | 76.4 | 75.9 | 75.9 |
| 17.5° | 72.0 | 72.0 | 72.0 | 71.4 |
| 20° | 67.5 | 67.0 | 67.0 | 67.0 |
| 22.5° | 62.5 | 61.9 | 61.9 | 61.9 |
| 25° | 57.5 | 56.9 | 56.9 | 56.9 |
| 27.5° | 52.5 | 51.9 | 51.3 | 51.3 |
| 30° | 47.4 | 46.9 | 46.3 | 46.3 |
| 32.5° | 42.4 | 41.8 | 41.3 | 41.3 |
| 35° | 37.9 | 37.9 | 37.4 | 36.8 |
| 37.5° | 34.1 | 34.1 | 34.1 | 34.1 |
| 40° | 31.2 | 31.8 | 31.8 | 31.8 |
| 42.5° | 29.6 | 30.1 | 30.7 | 31.2 |
| 45° | 28.5 | 29.6 | 30.1 | 30.1 |
| 47.5° | 27.9 | 28.5 | 29.0 | 29.0 |
| 50° | 25.7 | 25.1 | 25.1 | 25.1 |
| 52.5° | 20.6 | 19.5 | 19.0 | 18.4 |
| 55° | 15.1 | 14.5 | 13.4 | 13.4 |
| 57.5° | 10.6 | 10.6 | 10.0 | 10.0 |
| 60° | 8.4 | 8.4 | 7.8 | 8.4 |
| 62.5° | 7.3 | 7.3 | 7.3 | 7.3 |
| 65° | 6.7 | 6.7 | 6.7 | 6.7 |
| 67.5° | 6.7 | 6.7 | 6.7 | 6.7 |
| 69° | 6.1 | 6.1 | 6.1 | 6.1 |
| 70° | 6.1 | 6.1 | 6.1 | 6.1 |
| 72.5° | 5.6 | 5.6 | 5.6 | 5.6 |
| 75° | 5.0 | 5.6 | 5.6 | 5.6 |
| 77.5° | 5.0 | 5.0 | 5.0 | 5.0 |
| 80° | 4.5 | 4.5 | 5.0 | 5.0 |
| 82.5° | 4.5 | 4.5 | 4.5 | 4.5 |
| 85° | 3.9 | 3.9 | 4.5 | 4.5 |
| 87.5° | 3.4 | 3.4 | 3.9 | 3.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)