

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: P164953

Luminaire Tested: **VTS-F06-LED-E1-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164953
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-SL2-HSS-7050
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9207.7 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

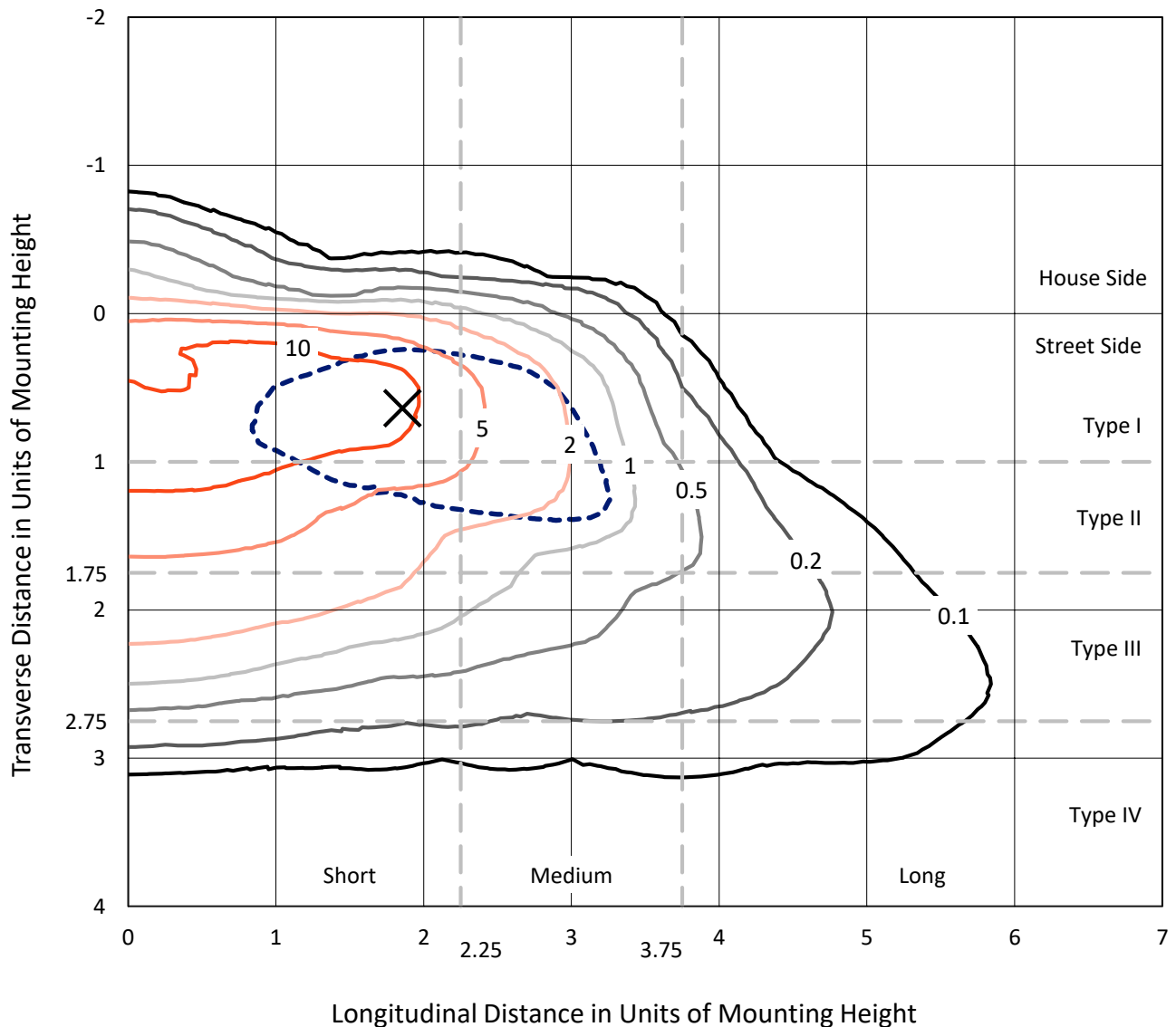
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

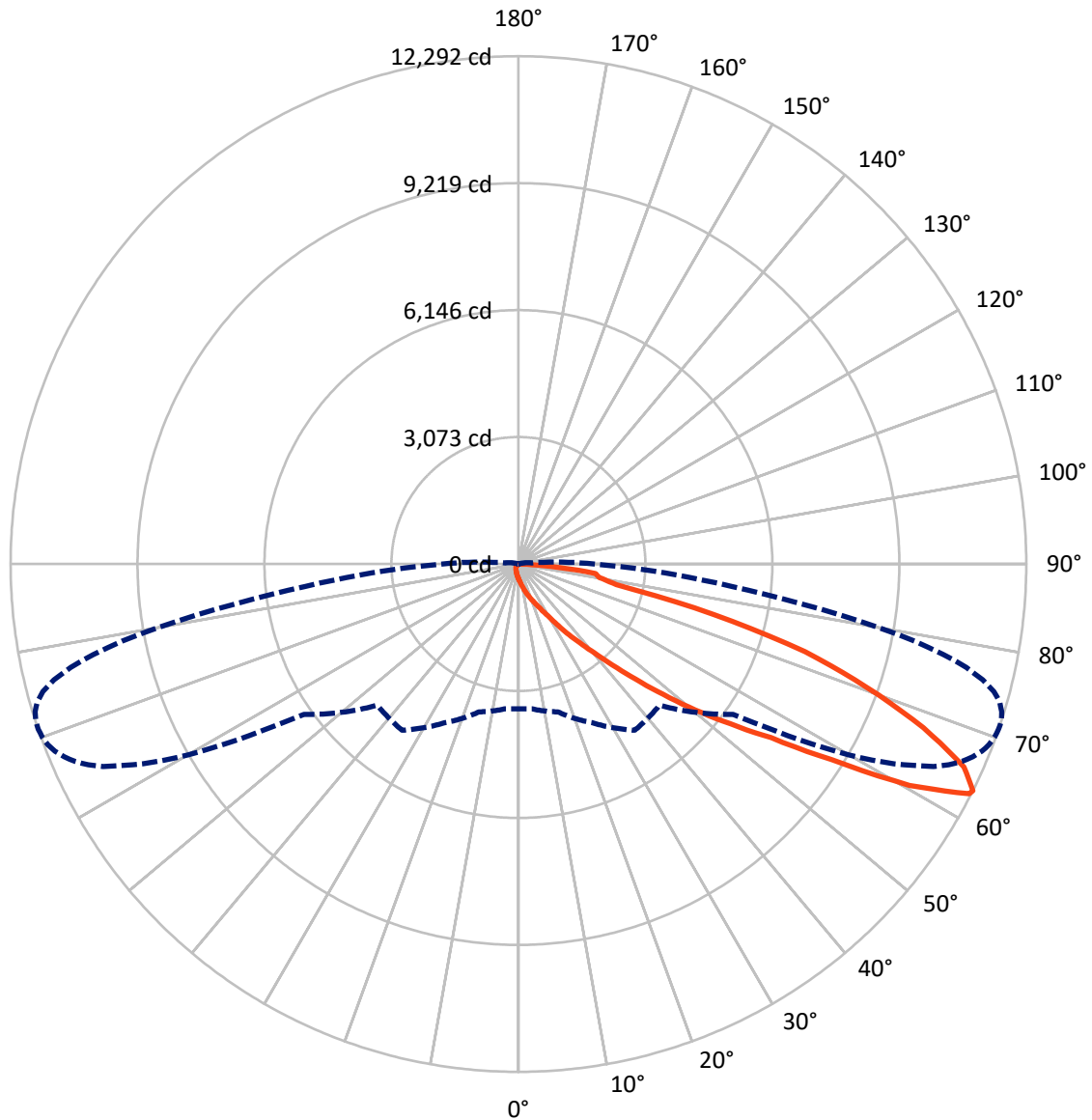


Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164953

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

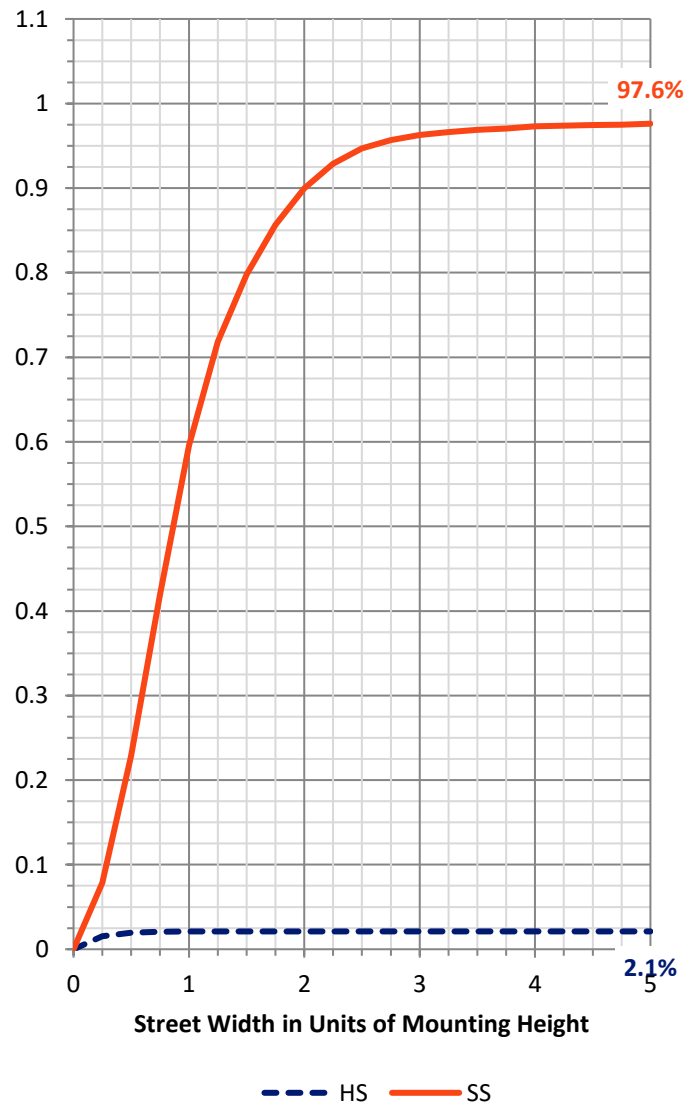
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 195.5 | 0.0 | 195.5 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 9012.2 | 0.0 | 9012.2 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 9207.7 | 0.0 | 9207.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.0 | 0.4 |
| 10°-20° | 151.4 | 1.6 |
| 20°-30° | 307.5 | 3.3 |
| 30°-40° | 751.3 | 8.2 |
| 40°-50° | 1680.2 | 18.2 |
| 50°-60° | 2362.6 | 25.7 |
| 60°-70° | 2778.2 | 30.2 |
| 70°-80° | 1003.2 | 10.9 |
| 80°-90° | 134.1 | 1.5 |
| 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° | 9207.7 | 100.0 |
| 0°-180° | 9207.7 | 100.0 |



REPORT NUMBER: P164953

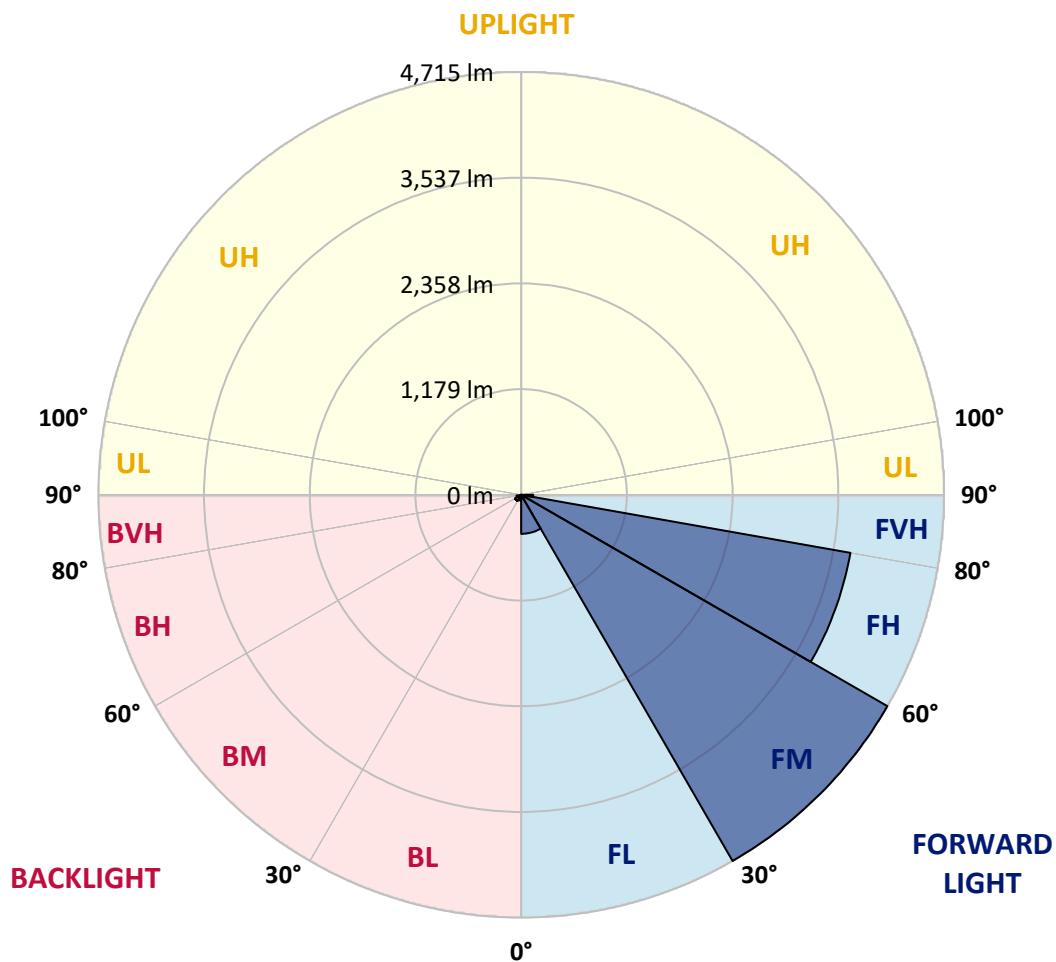
CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 435.1 | 4.7 | | | |
| FM | (30°-60°) | 4715.4 | 51.2 | | | |
| FH | (60°-80°) | 3727.8 | 40.5 | | | G2/5000 |
| FVH | (80°-90°) | 133.9 | 1.5 | | | G2/225 |
| BL | (0°-30°) | 62.9 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 78.7 | 0.9 | B0/220 | | |
| BH | (60°-80°) | 53.6 | 0.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.3 | 0.0 | | | 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 II Short





REPORT NUMBER: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 |
| 2.5° | 462.0 | 467.0 | 463.6 | 455.3 | 445.2 | 431.9 | 420.1 | 420.1 | 418.5 | 413.4 | 415.1 |
| 5° | 605.9 | 607.7 | 600.9 | 580.8 | 562.4 | 534.0 | 502.1 | 498.8 | 495.4 | 490.5 | 488.8 |
| 7.5° | 746.6 | 753.2 | 746.6 | 724.8 | 688.0 | 644.5 | 594.2 | 589.3 | 579.2 | 579.2 | 572.5 |
| 10° | 890.5 | 890.5 | 883.8 | 858.7 | 825.2 | 763.3 | 699.7 | 691.3 | 679.6 | 676.3 | 666.2 |
| 12.5° | 992.6 | 992.6 | 989.2 | 975.9 | 949.1 | 893.9 | 816.9 | 808.5 | 793.5 | 788.4 | 776.7 |
| 15° | 1032.8 | 1032.8 | 1034.5 | 1046.2 | 1047.9 | 1022.8 | 942.4 | 935.7 | 920.6 | 907.2 | 902.2 |
| 17.5° | 1057.9 | 1056.2 | 1056.2 | 1073.0 | 1103.1 | 1119.9 | 1067.9 | 1061.2 | 1044.5 | 1037.8 | 1021.1 |
| 20° | 1113.2 | 1109.8 | 1099.7 | 1099.7 | 1128.2 | 1186.8 | 1186.8 | 1185.1 | 1166.7 | 1161.6 | 1153.3 |
| 22.5° | 1195.2 | 1191.8 | 1161.6 | 1136.5 | 1150.0 | 1223.7 | 1292.3 | 1288.9 | 1282.2 | 1275.5 | 1270.5 |
| 25° | 1329.1 | 1317.4 | 1265.4 | 1191.8 | 1180.1 | 1258.8 | 1372.6 | 1381.0 | 1386.0 | 1386.0 | 1389.3 |
| 27.5° | 1531.6 | 1516.6 | 1424.5 | 1287.3 | 1235.3 | 1315.6 | 1461.3 | 1478.1 | 1493.1 | 1496.5 | 1511.5 |
| 30° | 1812.8 | 1786.1 | 1653.8 | 1453.0 | 1334.1 | 1399.4 | 1591.9 | 1610.3 | 1632.1 | 1638.8 | 1662.2 |
| 32.5° | 2274.8 | 2259.8 | 2132.6 | 1831.2 | 1576.8 | 1563.5 | 1774.4 | 1797.8 | 1826.2 | 1837.9 | 1866.4 |
| 35° | 2977.9 | 2981.3 | 2877.5 | 2606.3 | 2254.8 | 2070.6 | 2100.8 | 2120.8 | 2130.9 | 2166.0 | 2181.1 |
| 37.5° | 3455.0 | 3463.3 | 3486.8 | 3379.6 | 3128.6 | 2941.0 | 2705.0 | 2726.8 | 2674.9 | 2679.9 | 2681.6 |
| 40° | 3716.1 | 3742.8 | 3880.1 | 3983.9 | 3963.8 | 3855.0 | 3665.9 | 3677.6 | 3580.5 | 3558.7 | 3453.2 |
| 42.5° | 3890.1 | 3925.3 | 4144.6 | 4466.0 | 4630.0 | 4728.8 | 4685.3 | 4680.2 | 4604.9 | 4576.4 | 4487.7 |
| 45° | 3999.0 | 4030.8 | 4307.0 | 4780.7 | 5159.0 | 5446.9 | 5565.7 | 5579.1 | 5515.5 | 5487.0 | 5413.4 |
| 47.5° | 3993.9 | 4030.8 | 4327.0 | 4897.9 | 5455.3 | 5915.6 | 6250.4 | 6267.1 | 6305.6 | 6280.5 | 6285.5 |
| 50° | 3773.0 | 3808.2 | 4106.1 | 4698.6 | 5368.2 | 6129.8 | 6742.5 | 6796.1 | 6858.0 | 6899.8 | 6920.0 |
| 52.5° | 3505.2 | 3530.3 | 3794.8 | 4357.2 | 4996.6 | 6041.1 | 7033.7 | 7125.8 | 7217.9 | 7296.6 | 7351.8 |
| 55° | 3406.4 | 3434.8 | 3642.4 | 4109.5 | 4698.6 | 5669.5 | 7169.3 | 7304.9 | 7435.5 | 7564.4 | 7669.8 |
| 57.5° | 3458.3 | 3485.0 | 3634.1 | 3992.3 | 4521.2 | 5277.8 | 7207.8 | 7418.8 | 7633.0 | 7842.2 | 8049.8 |
| 60° | 3649.1 | 3677.6 | 3804.8 | 4101.0 | 4474.4 | 5051.9 | 7057.2 | 7407.1 | 7763.5 | 8128.5 | 8471.6 |
| 62.5° | 3573.8 | 3585.5 | 3773.0 | 4291.9 | 4809.1 | 4859.3 | 6509.8 | 6998.6 | 7542.7 | 8105.1 | 8659.1 |
| 63° | 3501.8 | 3515.2 | 3706.0 | 4240.0 | 4911.3 | 4830.9 | 6340.8 | 6856.3 | 7430.4 | 8036.4 | 8639.1 |
| 65° | 3175.4 | 3177.0 | 3322.7 | 3744.5 | 4797.4 | 4881.1 | 5587.5 | 6079.6 | 6739.1 | 7465.6 | 8227.3 |
| 67.5° | 2370.3 | 2358.6 | 2499.1 | 2820.6 | 3766.3 | 4882.8 | 4795.7 | 5072.0 | 5530.6 | 6175.1 | 6858.0 |
| 70° | 840.3 | 821.9 | 1049.5 | 1494.7 | 2346.8 | 3993.9 | 4121.2 | 4139.6 | 4266.8 | 4615.0 | 5043.5 |
| 72.5° | 272.8 | 277.9 | 334.7 | 547.4 | 1081.3 | 2688.3 | 3731.1 | 3674.2 | 3640.8 | 3639.0 | 3696.0 |
| 75° | 108.8 | 110.5 | 133.9 | 242.7 | 485.5 | 1295.6 | 3267.5 | 3299.2 | 3311.0 | 3327.7 | 3346.2 |
| 77.5° | 51.8 | 56.9 | 75.3 | 135.6 | 241.0 | 641.1 | 2338.4 | 2607.9 | 2761.9 | 2880.8 | 2952.8 |
| 80° | 18.4 | 21.8 | 41.9 | 83.7 | 112.1 | 294.6 | 1232.0 | 1486.4 | 1712.4 | 2003.7 | 2254.8 |
| 82.5° | 0.0 | 0.0 | 8.3 | 58.5 | 61.9 | 118.8 | 505.5 | 592.5 | 677.9 | 878.8 | 1128.2 |
| 85° | 0.0 | 0.0 | 0.0 | 16.8 | 18.4 | 20.1 | 170.8 | 205.9 | 231.0 | 269.5 | 311.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 5.0 | 10.1 | 25.1 | 38.5 |
| 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: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 |
| 2.5° | 411.8 | 410.2 | 410.2 | 406.8 | 405.1 | 401.7 | 400.1 | 395.0 | 393.4 | 393.4 | 393.4 |
| 5° | 487.1 | 480.4 | 477.0 | 468.7 | 463.6 | 462.0 | 453.7 | 450.3 | 445.2 | 447.0 | 438.5 |
| 7.5° | 570.8 | 559.1 | 554.1 | 542.3 | 539.0 | 527.3 | 523.9 | 515.6 | 510.6 | 500.5 | 497.2 |
| 10° | 662.9 | 647.8 | 639.5 | 621.0 | 616.0 | 607.7 | 597.6 | 587.5 | 579.2 | 569.1 | 564.2 |
| 12.5° | 768.4 | 754.9 | 748.2 | 723.1 | 711.4 | 699.7 | 686.3 | 672.9 | 659.5 | 651.2 | 639.5 |
| 15° | 892.2 | 870.4 | 863.7 | 840.3 | 820.2 | 805.2 | 786.8 | 770.0 | 759.9 | 743.3 | 731.5 |
| 17.5° | 1014.4 | 992.6 | 987.6 | 952.5 | 930.7 | 920.6 | 900.6 | 878.8 | 860.4 | 843.7 | 825.2 |
| 20° | 1136.5 | 1121.5 | 1108.1 | 1074.6 | 1051.3 | 1034.5 | 1007.6 | 985.9 | 970.9 | 947.5 | 924.0 |
| 22.5° | 1258.8 | 1243.7 | 1233.7 | 1198.5 | 1176.8 | 1153.3 | 1129.9 | 1106.5 | 1084.7 | 1056.2 | 1029.5 |
| 25° | 1384.4 | 1374.3 | 1369.2 | 1337.5 | 1317.4 | 1295.6 | 1272.1 | 1245.4 | 1218.6 | 1186.8 | 1158.4 |
| 27.5° | 1514.9 | 1518.2 | 1508.2 | 1501.5 | 1479.7 | 1464.7 | 1427.9 | 1409.5 | 1389.3 | 1350.8 | 1315.6 |
| 30° | 1680.6 | 1690.6 | 1687.3 | 1692.4 | 1678.9 | 1668.9 | 1640.4 | 1617.0 | 1593.6 | 1556.8 | 1516.6 |
| 32.5° | 1889.9 | 1903.3 | 1909.9 | 1928.4 | 1921.7 | 1918.3 | 1909.9 | 1876.4 | 1859.7 | 1796.1 | 1779.4 |
| 35° | 2212.9 | 2206.2 | 2234.7 | 2249.7 | 2243.0 | 2239.7 | 2229.7 | 2211.3 | 2191.1 | 2145.9 | 2104.1 |
| 37.5° | 2633.0 | 2639.7 | 2649.8 | 2619.7 | 2599.6 | 2597.9 | 2567.8 | 2549.4 | 2520.9 | 2470.7 | 2420.5 |
| 40° | 3403.0 | 3361.2 | 3314.4 | 3187.1 | 3131.9 | 3100.1 | 3011.4 | 2986.2 | 2937.7 | 2869.0 | 2817.2 |
| 42.5° | 4404.0 | 4362.2 | 4221.6 | 4009.0 | 3895.2 | 3737.8 | 3665.9 | 3577.1 | 3508.5 | 3396.4 | 3336.1 |
| 45° | 5398.4 | 5277.8 | 5261.1 | 5013.3 | 4872.8 | 4665.2 | 4536.3 | 4387.3 | 4231.7 | 4084.4 | 3977.2 |
| 47.5° | 6237.0 | 6210.1 | 6128.2 | 5977.5 | 5847.0 | 5672.8 | 5507.1 | 5277.8 | 5117.1 | 4907.9 | 4715.4 |
| 50° | 6908.2 | 6906.5 | 6876.4 | 6789.3 | 6680.6 | 6540.0 | 6394.3 | 6200.2 | 6017.7 | 5761.6 | 5555.7 |
| 52.5° | 7410.4 | 7437.2 | 7447.2 | 7420.4 | 7378.6 | 7254.7 | 7181.1 | 7018.7 | 6864.7 | 6647.0 | 6424.4 |
| 55° | 7778.6 | 7877.4 | 7927.6 | 7984.5 | 7972.8 | 7929.3 | 7926.0 | 7820.5 | 7750.2 | 7577.7 | 7420.4 |
| 57.5° | 8234.0 | 8396.3 | 8551.9 | 8828.2 | 8838.2 | 8935.4 | 8985.6 | 9035.8 | 9049.1 | 8980.5 | 8928.7 |
| 60° | 8813.1 | 9144.6 | 9439.1 | 10016.7 | 10167.3 | 10405.0 | 10559.0 | 10726.4 | 10868.6 | 10880.4 | 10877.1 |
| 62.5° | 9221.5 | 9732.1 | 10207.5 | 11064.5 | 11357.5 | 11632.0 | 11837.8 | 12000.3 | 12099.0 | 12199.4 | 12246.3 |
| 63° | 9233.3 | 9792.4 | 10297.9 | 11181.7 | 11489.7 | 11750.8 | 11946.7 | 12097.4 | 12201.1 | 12261.3 | 12291.5 |
| 65° | 8950.4 | 9628.3 | 10230.9 | 11111.4 | 11401.0 | 11663.8 | 11765.9 | 11864.7 | 11914.9 | 11938.3 | 11849.5 |
| 67.5° | 7586.2 | 8249.0 | 8952.0 | 9936.3 | 10184.0 | 10498.7 | 10582.5 | 10632.7 | 10656.1 | 10651.1 | 10575.8 |
| 70° | 5672.8 | 6228.6 | 7010.3 | 8135.2 | 8463.3 | 8771.3 | 8962.1 | 9044.1 | 9070.9 | 9062.5 | 8950.4 |
| 72.5° | 3960.5 | 4286.8 | 4931.3 | 6183.4 | 6630.4 | 7025.4 | 7261.4 | 7383.6 | 7408.7 | 7358.5 | 7254.7 |
| 75° | 3326.1 | 3342.8 | 3488.4 | 4173.0 | 4591.5 | 5013.3 | 5279.4 | 5356.5 | 5306.3 | 5153.9 | 4889.5 |
| 77.5° | 2969.5 | 3006.4 | 3006.4 | 3108.4 | 3190.5 | 3307.7 | 3332.8 | 3145.2 | 2927.7 | 2646.4 | 2418.8 |
| 80° | 2490.8 | 2619.7 | 2710.1 | 2785.4 | 2793.7 | 2770.3 | 2708.3 | 2602.9 | 2435.5 | 2221.2 | 1983.6 |
| 82.5° | 1513.2 | 1767.7 | 1871.5 | 2259.8 | 2450.6 | 2579.4 | 2569.5 | 2428.8 | 2301.6 | 2079.0 | 1876.4 |
| 85° | 381.7 | 411.8 | 447.0 | 580.8 | 651.2 | 795.1 | 885.5 | 927.3 | 942.4 | 865.4 | 783.4 |
| 87.5° | 36.8 | 25.1 | 41.9 | 31.8 | 45.2 | 33.4 | 45.2 | 41.9 | 51.8 | 55.2 | 60.3 |
| 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: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 |
| 2.5° | 390.0 | 388.3 | 386.7 | 385.0 | 383.3 | 381.7 | 378.3 | 378.3 | 375.0 | 373.3 | 371.6 |
| 5° | 433.5 | 430.2 | 428.6 | 425.2 | 420.1 | 416.8 | 411.8 | 405.1 | 400.1 | 398.4 | 395.0 |
| 7.5° | 488.8 | 480.4 | 477.0 | 472.1 | 465.3 | 455.3 | 448.6 | 443.6 | 435.3 | 430.2 | 420.1 |
| 10° | 550.7 | 542.3 | 532.3 | 522.3 | 512.2 | 500.5 | 492.1 | 485.5 | 472.1 | 465.3 | 453.7 |
| 12.5° | 629.4 | 614.4 | 602.6 | 589.3 | 575.8 | 562.4 | 552.4 | 532.3 | 520.5 | 505.5 | 495.4 |
| 15° | 709.7 | 696.3 | 683.0 | 666.2 | 646.1 | 624.3 | 614.4 | 595.9 | 580.8 | 557.4 | 544.0 |
| 17.5° | 806.8 | 781.7 | 761.7 | 741.5 | 723.1 | 703.0 | 683.0 | 654.5 | 632.8 | 612.6 | 585.9 |
| 20° | 902.2 | 872.1 | 850.3 | 823.6 | 796.8 | 765.0 | 741.5 | 721.4 | 691.3 | 664.6 | 636.1 |
| 22.5° | 1004.3 | 974.2 | 939.0 | 912.3 | 875.5 | 850.3 | 818.6 | 785.0 | 754.9 | 719.8 | 684.6 |
| 25° | 1128.2 | 1096.4 | 1056.2 | 1021.1 | 979.2 | 944.1 | 905.6 | 867.1 | 830.3 | 790.1 | 744.9 |
| 27.5° | 1280.6 | 1247.0 | 1203.5 | 1161.6 | 1106.5 | 1062.9 | 1026.1 | 974.2 | 927.3 | 877.1 | 825.2 |
| 30° | 1473.0 | 1436.2 | 1382.6 | 1322.4 | 1267.2 | 1218.6 | 1166.7 | 1098.1 | 1046.2 | 985.9 | 919.0 |
| 32.5° | 1724.2 | 1680.6 | 1608.6 | 1551.7 | 1483.1 | 1419.4 | 1347.5 | 1278.8 | 1205.3 | 1126.6 | 1049.5 |
| 35° | 2040.5 | 2000.4 | 1916.6 | 1832.9 | 1757.6 | 1682.3 | 1591.9 | 1513.2 | 1409.5 | 1314.0 | 1215.2 |
| 37.5° | 2368.6 | 2296.6 | 2219.6 | 2129.2 | 2035.4 | 1945.1 | 1834.6 | 1725.8 | 1607.0 | 1503.2 | 1379.3 |
| 40° | 2743.5 | 2656.5 | 2592.9 | 2495.8 | 2363.5 | 2234.7 | 2132.6 | 1997.0 | 1848.0 | 1709.0 | 1563.5 |
| 42.5° | 3257.4 | 3160.4 | 3046.5 | 2899.2 | 2803.8 | 2653.1 | 2520.9 | 2360.2 | 2164.3 | 2008.7 | 1832.9 |
| 45° | 3851.7 | 3719.4 | 3608.9 | 3466.6 | 3351.2 | 3163.7 | 3009.7 | 2795.5 | 2599.6 | 2395.4 | 2181.1 |
| 47.5° | 4529.6 | 4365.5 | 4204.8 | 4064.2 | 3880.1 | 3696.0 | 3500.2 | 3272.5 | 3021.4 | 2797.1 | 2542.6 |
| 50° | 5307.9 | 5075.2 | 4852.6 | 4671.9 | 4419.1 | 4206.5 | 3993.9 | 3737.8 | 3459.9 | 3202.1 | 2912.6 |
| 52.5° | 6173.4 | 5903.9 | 5609.3 | 5331.4 | 5038.4 | 4765.6 | 4509.5 | 4214.9 | 3905.3 | 3590.6 | 3267.5 |
| 55° | 7217.9 | 7015.3 | 6668.9 | 6315.7 | 5923.9 | 5559.1 | 5229.2 | 4864.4 | 4487.7 | 4074.3 | 3734.5 |
| 57.5° | 8853.3 | 8754.5 | 8464.9 | 8111.8 | 7601.2 | 7157.6 | 6598.5 | 6151.6 | 5605.9 | 5036.8 | 4598.2 |
| 60° | 11069.6 | 10947.3 | 10785.0 | 10498.7 | 10093.7 | 9491.1 | 8875.1 | 8180.4 | 7350.1 | 6561.8 | 5813.5 |
| 62.5° | 12251.4 | 12207.7 | 12075.6 | 11878.0 | 11499.8 | 11024.4 | 10403.4 | 9640.0 | 8702.7 | 7745.2 | 6791.1 |
| 63° | 12286.4 | 12231.2 | 12117.4 | 11916.5 | 11583.4 | 11123.2 | 10513.8 | 9772.2 | 8855.0 | 7879.1 | 6904.8 |
| 65° | 11811.1 | 11789.4 | 11673.8 | 11454.5 | 11226.9 | 10875.3 | 10403.4 | 9765.5 | 8995.5 | 8073.3 | 7104.1 |
| 67.5° | 10475.3 | 10410.0 | 10232.6 | 10165.6 | 10006.6 | 9762.2 | 9402.3 | 8963.7 | 8413.1 | 7688.2 | 6851.2 |
| 70° | 8859.9 | 8762.9 | 8540.3 | 8421.4 | 8227.3 | 8073.3 | 7854.0 | 7540.9 | 7201.1 | 6695.6 | 6071.3 |
| 72.5° | 7147.6 | 6946.7 | 6742.5 | 6432.9 | 6161.7 | 5887.1 | 5644.4 | 5423.5 | 5050.1 | 4845.9 | 4372.2 |
| 75° | 4641.7 | 4276.8 | 3927.0 | 3458.3 | 3036.5 | 2663.2 | 2299.9 | 2115.8 | 1732.5 | 1576.8 | 1354.2 |
| 77.5° | 2202.8 | 1998.6 | 1724.2 | 1511.5 | 1240.3 | 1012.7 | 826.9 | 621.0 | 487.1 | 381.7 | 291.2 |
| 80° | 1777.6 | 1605.2 | 1439.6 | 1247.0 | 1042.8 | 831.9 | 637.7 | 477.0 | 338.1 | 234.3 | 165.7 |
| 82.5° | 1585.2 | 1397.7 | 1193.5 | 1061.2 | 922.4 | 754.9 | 619.3 | 505.5 | 373.3 | 272.8 | 185.8 |
| 85° | 616.0 | 518.9 | 400.1 | 326.4 | 254.4 | 209.2 | 189.2 | 130.5 | 102.2 | 80.3 | 61.9 |
| 87.5° | 53.6 | 43.5 | 35.2 | 23.5 | 25.1 | 13.4 | 15.0 | 10.1 | 8.3 | 8.3 | 6.7 |
| 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: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 |
| 2.5° | 369.9 | 368.3 | 366.5 | 363.2 | 363.2 | 359.9 | 358.2 | 356.6 | 348.1 | 329.7 | 314.7 |
| 5° | 388.3 | 385.0 | 381.7 | 376.6 | 373.3 | 368.3 | 364.9 | 359.9 | 341.4 | 306.4 | 276.2 |
| 7.5° | 415.1 | 408.4 | 403.4 | 393.4 | 388.3 | 381.7 | 376.6 | 368.3 | 338.1 | 284.5 | 242.7 |
| 10° | 447.0 | 435.3 | 426.8 | 415.1 | 405.1 | 396.7 | 388.3 | 376.6 | 334.7 | 261.1 | 212.5 |
| 12.5° | 485.5 | 472.1 | 455.3 | 441.9 | 428.6 | 416.8 | 405.1 | 390.0 | 329.7 | 241.0 | 189.2 |
| 15° | 523.9 | 503.9 | 492.1 | 473.7 | 455.3 | 438.5 | 421.8 | 408.4 | 331.5 | 219.3 | 169.0 |
| 17.5° | 567.4 | 547.4 | 522.3 | 502.1 | 482.1 | 460.4 | 440.2 | 413.4 | 323.0 | 202.6 | 154.0 |
| 20° | 609.3 | 580.8 | 557.4 | 532.3 | 503.9 | 477.0 | 451.9 | 428.6 | 316.3 | 185.8 | 140.6 |
| 22.5° | 654.5 | 621.0 | 590.9 | 559.1 | 523.9 | 493.8 | 463.6 | 433.5 | 304.6 | 170.8 | 128.9 |
| 25° | 709.7 | 671.2 | 627.7 | 589.3 | 552.4 | 515.6 | 477.0 | 440.2 | 293.0 | 157.4 | 120.6 |
| 27.5° | 776.7 | 726.5 | 683.0 | 634.4 | 582.6 | 535.7 | 493.8 | 453.7 | 281.3 | 147.3 | 112.1 |
| 30° | 862.1 | 803.4 | 741.5 | 679.6 | 624.3 | 570.8 | 512.2 | 462.0 | 269.5 | 137.2 | 103.8 |
| 32.5° | 975.9 | 902.2 | 826.9 | 754.9 | 681.3 | 612.6 | 550.7 | 485.5 | 262.8 | 128.9 | 95.4 |
| 35° | 1126.6 | 1031.1 | 939.0 | 848.7 | 759.9 | 676.3 | 595.9 | 522.3 | 262.8 | 118.8 | 85.4 |
| 37.5° | 1268.8 | 1158.4 | 1041.2 | 929.0 | 823.6 | 726.5 | 631.0 | 542.3 | 249.4 | 110.5 | 77.0 |
| 40° | 1422.8 | 1290.5 | 1153.3 | 1021.1 | 893.9 | 773.3 | 664.6 | 562.4 | 237.7 | 100.4 | 68.6 |
| 42.5° | 1658.8 | 1491.5 | 1312.4 | 1158.4 | 1006.0 | 857.0 | 721.4 | 600.9 | 222.6 | 90.4 | 60.3 |
| 45° | 1968.5 | 1755.9 | 1545.1 | 1357.5 | 1163.4 | 980.9 | 820.2 | 671.2 | 219.3 | 82.0 | 51.8 |
| 47.5° | 2299.9 | 2048.8 | 1801.1 | 1561.7 | 1334.1 | 1121.5 | 929.0 | 749.9 | 219.3 | 73.7 | 45.2 |
| 50° | 2629.7 | 2315.1 | 2050.6 | 1772.7 | 1516.6 | 1265.4 | 1036.1 | 831.9 | 221.0 | 67.0 | 36.8 |
| 52.5° | 2927.7 | 2591.2 | 2294.9 | 1973.5 | 1690.6 | 1399.4 | 1150.0 | 912.3 | 217.6 | 58.5 | 30.1 |
| 55° | 3341.1 | 2946.1 | 2602.9 | 2248.1 | 1916.6 | 1588.6 | 1305.7 | 1032.8 | 219.3 | 51.8 | 25.1 |
| 57.5° | 4102.8 | 3639.0 | 3225.6 | 2760.3 | 2378.6 | 1955.1 | 1612.0 | 1280.6 | 239.4 | 43.5 | 18.4 |
| 60° | 5195.8 | 4593.2 | 4012.4 | 3444.9 | 2959.5 | 2455.6 | 2010.3 | 1620.4 | 281.3 | 35.2 | 13.4 |
| 62.5° | 5930.6 | 5142.2 | 4449.3 | 3823.2 | 3259.1 | 2731.8 | 2246.3 | 1802.7 | 309.6 | 28.5 | 8.3 |
| 63° | 6005.9 | 5190.8 | 4494.4 | 3848.3 | 3272.5 | 2745.2 | 2256.4 | 1816.2 | 311.4 | 26.7 | 8.3 |
| 65° | 6148.2 | 5274.5 | 4519.5 | 3853.3 | 3259.1 | 2726.8 | 2249.7 | 1814.5 | 314.7 | 21.8 | 6.7 |
| 67.5° | 5985.9 | 5145.6 | 4374.0 | 3709.4 | 3141.9 | 2618.0 | 2166.0 | 1747.6 | 313.0 | 15.0 | 5.0 |
| 70° | 5353.1 | 4656.8 | 3978.8 | 3359.5 | 2843.9 | 2370.3 | 1971.9 | 1593.6 | 287.9 | 10.1 | 3.4 |
| 72.5° | 3930.4 | 3456.6 | 2931.1 | 2484.1 | 2142.6 | 1779.4 | 1518.2 | 1196.8 | 222.6 | 6.7 | 1.6 |
| 75° | 1165.0 | 1061.2 | 892.2 | 786.8 | 694.7 | 574.1 | 510.6 | 398.4 | 113.8 | 3.4 | 0.0 |
| 77.5° | 232.7 | 210.9 | 189.2 | 172.4 | 162.3 | 139.0 | 132.2 | 108.8 | 46.9 | 1.6 | 0.0 |
| 80° | 122.2 | 100.4 | 85.4 | 75.3 | 65.3 | 53.6 | 45.2 | 36.8 | 8.3 | 0.0 | 0.0 |
| 82.5° | 117.2 | 78.7 | 56.9 | 46.9 | 40.2 | 31.8 | 25.1 | 18.4 | 5.0 | 0.0 | 0.0 |
| 85° | 43.5 | 33.4 | 25.1 | 20.1 | 16.8 | 15.0 | 11.7 | 10.1 | 0.0 | 0.0 | 0.0 |
| 87.5° | 6.7 | 5.0 | 5.0 | 3.4 | 3.4 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 |
| 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: P164953

CATALOG NUMBER: VTS-F06-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 | 353.2 |
| 2.5° | 299.7 | 286.2 | 279.5 | 271.2 | 271.2 | 269.5 | 272.8 |
| 5° | 249.4 | 231.0 | 217.6 | 207.6 | 209.2 | 204.2 | 205.9 |
| 7.5° | 210.9 | 192.5 | 180.7 | 174.1 | 172.4 | 170.8 | 170.8 |
| 10° | 182.5 | 165.7 | 155.6 | 150.6 | 149.0 | 149.0 | 149.0 |
| 12.5° | 162.3 | 145.7 | 137.2 | 133.9 | 133.9 | 132.2 | 132.2 |
| 15° | 145.7 | 132.2 | 123.9 | 120.6 | 120.6 | 118.8 | 120.6 |
| 17.5° | 132.2 | 118.8 | 112.1 | 108.8 | 108.8 | 107.1 | 107.1 |
| 20° | 120.6 | 108.8 | 102.2 | 97.1 | 97.1 | 95.4 | 97.1 |
| 22.5° | 110.5 | 98.8 | 90.4 | 87.0 | 85.4 | 83.7 | 85.4 |
| 25° | 100.4 | 88.7 | 80.3 | 75.3 | 73.7 | 73.7 | 72.0 |
| 27.5° | 92.1 | 80.3 | 70.3 | 65.3 | 63.6 | 63.6 | 61.9 |
| 30° | 83.7 | 70.3 | 60.3 | 55.2 | 53.6 | 53.6 | 53.6 |
| 32.5° | 75.3 | 60.3 | 51.8 | 46.9 | 45.2 | 45.2 | 45.2 |
| 35° | 67.0 | 51.8 | 43.5 | 38.5 | 36.8 | 36.8 | 36.8 |
| 37.5° | 56.9 | 43.5 | 33.4 | 30.1 | 28.5 | 26.7 | 26.7 |
| 40° | 48.6 | 33.4 | 25.1 | 21.8 | 18.4 | 18.4 | 18.4 |
| 42.5° | 40.2 | 26.7 | 18.4 | 13.4 | 11.7 | 10.1 | 11.7 |
| 45° | 33.4 | 20.1 | 11.7 | 6.7 | 5.0 | 5.0 | 5.0 |
| 47.5° | 26.7 | 13.4 | 5.0 | 1.6 | 1.6 | 1.6 | 1.6 |
| 50° | 20.1 | 8.3 | 1.6 | 0.0 | 0.0 | 1.6 | 1.6 |
| 52.5° | 15.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 8.3 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)