

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: STREETWORKS

Report Number: P159140

Luminaire Tested: **VST-E08-LED-E-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159140
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E08-LED-E-U-SLR
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (168) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21498.3 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 194.5
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: 28.75 FT

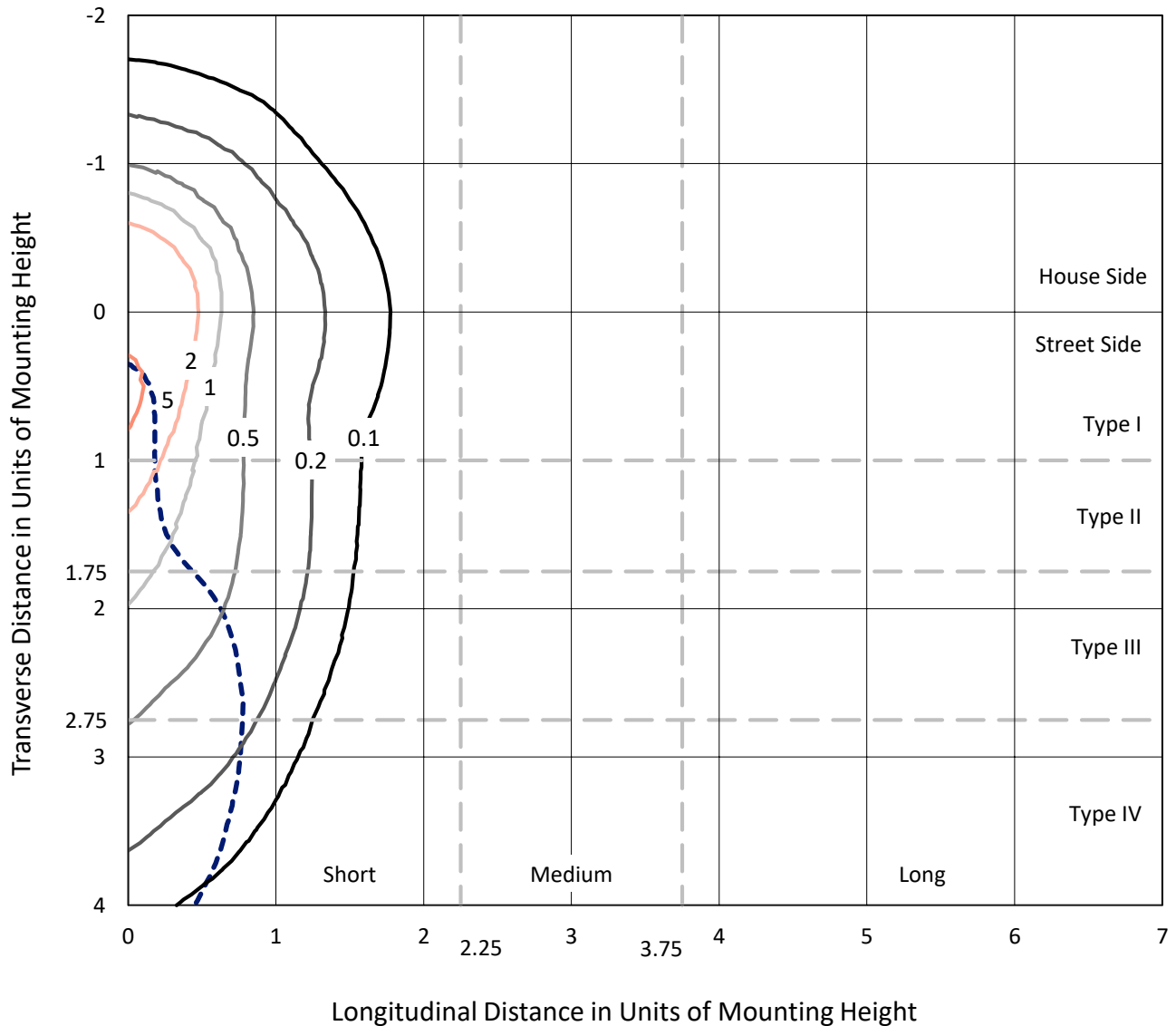


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

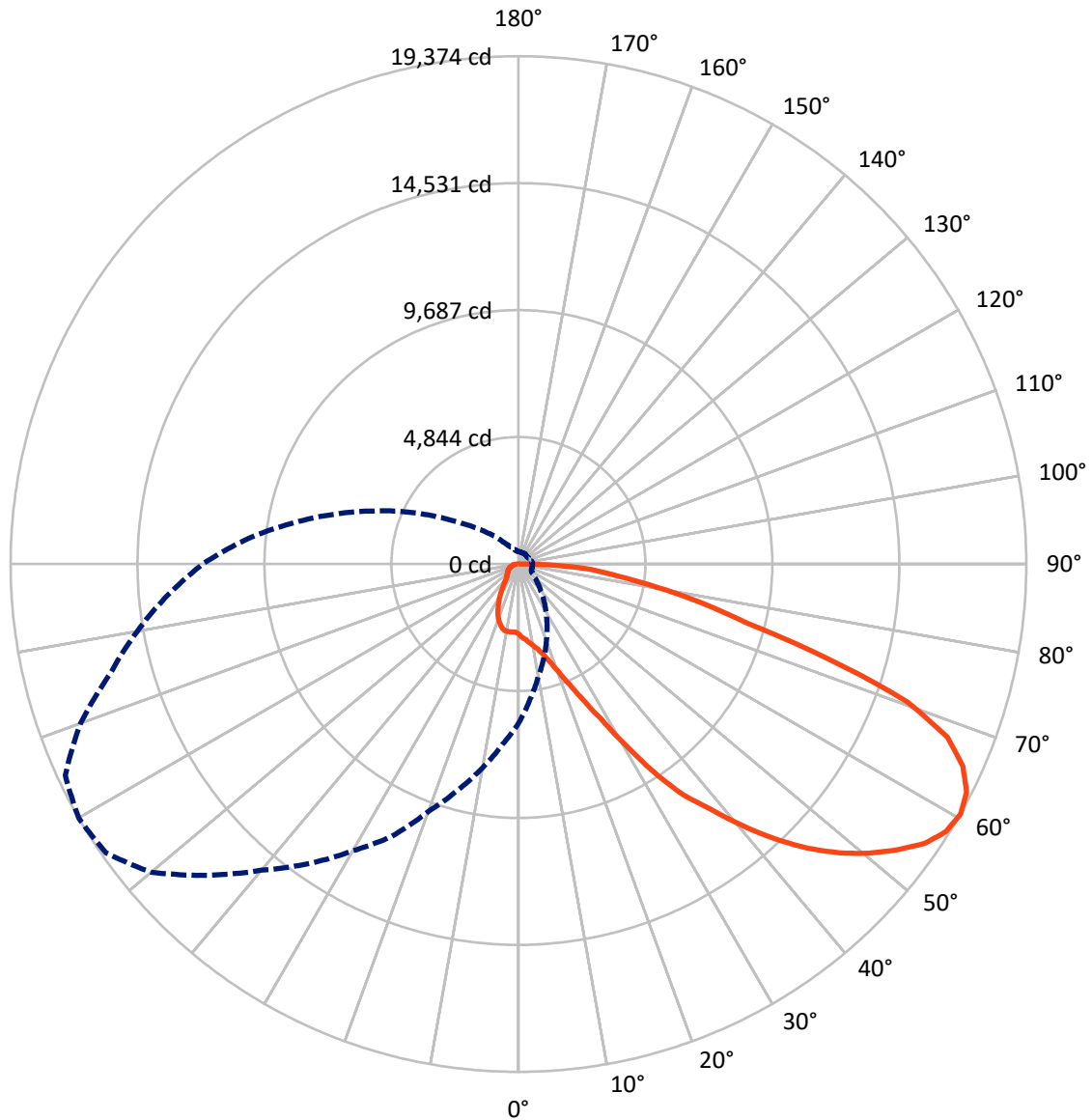


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4840.7 | 0.0 | 4840.7 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| Street Side | Lumens | 16657.5 | 0.0 | 16657.5 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| Total | Lumens | 21498.3 | 0.0 | 21498.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 263.8 | 1.2 |
| 10°-20° | 851.7 | 4.0 |
| 20°-30° | 1616.1 | 7.5 |
| 30°-40° | 2545.1 | 11.8 |
| 40°-50° | 3552.3 | 16.5 |
| 50°-60° | 4393.4 | 20.4 |
| 60°-70° | 4553.9 | 21.2 |
| 70°-80° | 2865.5 | 13.3 |
| 80°-90° | 856.6 | 4.0 |
| 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° | 21498.3 | 100.0 |
| 0°-180° | 21498.3 | 100.0 |



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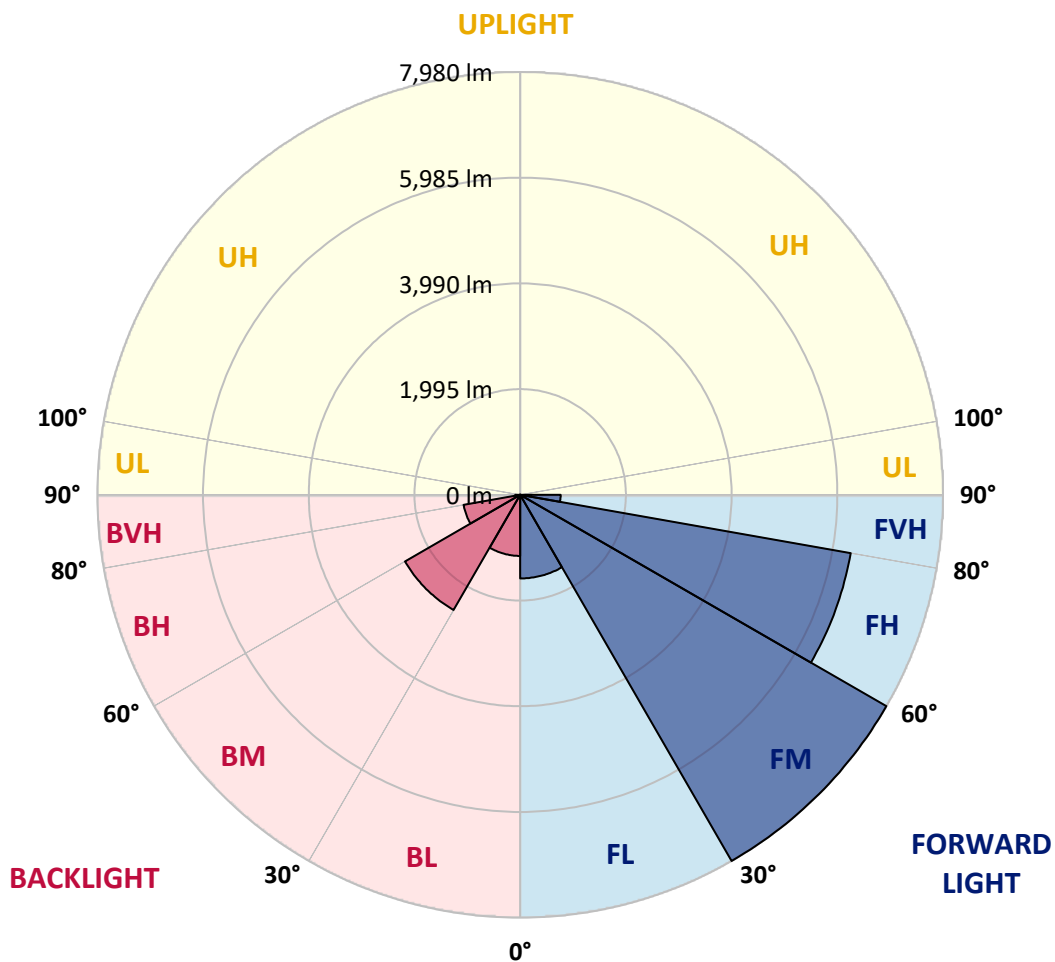
CATALOG NUMBER: VST-E08-LED-E-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1578.3 | 7.3 | | | |
| FM | (30°-60°) | 7980.5 | 37.1 | | | |
| FH | (60°-80°) | 6335.3 | 29.5 | | | G3/7500 |
| FVH | (80°-90°) | 763.4 | 3.6 | | | G5 |
| BL | (0°-30°) | 1153.2 | 5.4 | B3/2500 | | |
| BM | (30°-60°) | 2510.2 | 11.7 | B3/5000 | | |
| BH | (60°-80°) | 1084.1 | 5.0 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 93.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 |
| 2.5° | 2832.0 | 2662.4 | 2665.6 | 2660.8 | 2660.8 | 2657.6 | 2660.8 | 2657.6 | 2654.4 | 2654.4 | 2656.0 |
| 5° | 2868.8 | 2681.6 | 2681.6 | 2676.8 | 2673.6 | 2670.4 | 2673.6 | 2670.4 | 2668.8 | 2665.6 | 2667.2 |
| 7.5° | 2904.0 | 2692.8 | 2686.4 | 2680.0 | 2672.0 | 2675.2 | 2675.2 | 2673.6 | 2675.2 | 2673.6 | 2676.8 |
| 10° | 2961.6 | 2729.6 | 2713.6 | 2699.2 | 2697.6 | 2694.4 | 2694.4 | 2689.6 | 2689.6 | 2686.4 | 2688.0 |
| 12.5° | 3108.8 | 2843.2 | 2825.6 | 2800.0 | 2795.2 | 2780.8 | 2772.8 | 2763.2 | 2747.2 | 2732.8 | 2721.6 |
| 15° | 3356.8 | 3032.0 | 2998.4 | 2976.0 | 2966.4 | 2937.6 | 2892.8 | 2857.6 | 2811.2 | 2771.2 | 2729.6 |
| 17.5° | 3660.8 | 3284.8 | 3244.8 | 3216.0 | 3168.0 | 3089.6 | 3014.4 | 2928.0 | 2838.4 | 2756.8 | 2681.6 |
| 20° | 4086.4 | 3648.0 | 3569.6 | 3500.8 | 3380.8 | 3246.4 | 3105.6 | 2955.2 | 2817.6 | 2689.6 | 2579.2 |
| 22.5° | 4662.4 | 4116.8 | 3971.2 | 3787.2 | 3564.8 | 3337.6 | 3113.6 | 2905.6 | 2721.6 | 2555.2 | 2408.0 |
| 25° | 5324.8 | 4564.8 | 4302.4 | 3985.6 | 3644.8 | 3331.2 | 3036.8 | 2769.6 | 2555.2 | 2340.8 | 2180.8 |
| 27.5° | 5812.8 | 4939.2 | 4552.0 | 4136.0 | 3700.8 | 3300.8 | 2939.2 | 2616.0 | 2356.8 | 2137.6 | 1944.0 |
| 30° | 6091.2 | 5153.6 | 4688.0 | 4200.0 | 3710.4 | 3249.6 | 2816.0 | 2441.6 | 2142.4 | 1881.6 | 1696.0 |
| 32.5° | 6270.4 | 5268.8 | 4702.4 | 4136.0 | 3595.2 | 3097.6 | 2628.8 | 2240.0 | 1915.2 | 1636.8 | 1440.0 |
| 35° | 6420.8 | 5315.2 | 4635.2 | 3993.6 | 3377.6 | 2867.2 | 2388.8 | 2000.0 | 1656.0 | 1400.0 | 1198.4 |
| 37.5° | 6481.6 | 5307.2 | 4528.0 | 3803.2 | 3164.8 | 2616.0 | 2144.0 | 1745.6 | 1438.4 | 1212.8 | 1040.0 |
| 40° | 6470.4 | 5233.6 | 4382.4 | 3600.0 | 2915.2 | 2353.6 | 1884.8 | 1534.4 | 1284.8 | 1094.4 | 968.0 |
| 42.5° | 6395.2 | 5136.0 | 4220.8 | 3393.6 | 2686.4 | 2136.0 | 1708.8 | 1398.4 | 1196.8 | 1052.8 | 942.4 |
| 45° | 6300.8 | 5019.2 | 4073.6 | 3204.8 | 2505.6 | 1980.8 | 1606.4 | 1360.0 | 1185.6 | 1048.0 | 929.6 |
| 47.5° | 6172.8 | 4889.6 | 3924.8 | 3070.4 | 2409.6 | 1934.4 | 1604.8 | 1382.4 | 1195.2 | 1036.8 | 907.2 |
| 50° | 6033.6 | 4795.2 | 3843.2 | 3012.8 | 2398.4 | 1963.2 | 1660.8 | 1417.6 | 1201.6 | 1025.6 | 876.8 |
| 52.5° | 5936.0 | 4753.6 | 3841.6 | 3033.6 | 2457.6 | 2043.2 | 1726.4 | 1462.4 | 1225.6 | 1032.0 | 870.4 |
| 55° | 5816.0 | 4747.2 | 3883.2 | 3123.2 | 2587.2 | 2179.2 | 1830.4 | 1539.2 | 1275.2 | 1056.0 | 875.2 |
| 57.5° | 5824.0 | 4873.6 | 4044.8 | 3344.0 | 2820.8 | 2363.2 | 1963.2 | 1633.6 | 1323.2 | 1070.4 | 867.2 |
| 60° | 6076.8 | 5168.0 | 4363.2 | 3721.6 | 3126.4 | 2579.2 | 2099.2 | 1684.8 | 1320.0 | 1038.4 | 828.8 |
| 62.5° | 6598.4 | 5609.6 | 4840.0 | 4164.8 | 3436.8 | 2745.6 | 2148.8 | 1670.4 | 1272.0 | 969.6 | 766.4 |
| 65° | 7220.8 | 6126.4 | 5304.0 | 4508.8 | 3625.6 | 2784.0 | 2105.6 | 1590.4 | 1176.0 | 880.0 | 691.2 |
| 67.5° | 7843.2 | 6492.8 | 5571.2 | 4606.4 | 3548.8 | 2628.8 | 1945.6 | 1411.2 | 1012.8 | 758.4 | 606.4 |
| 70° | 8067.2 | 6568.0 | 5550.4 | 4387.2 | 3200.0 | 2243.2 | 1601.6 | 1136.0 | 812.8 | 620.8 | 510.4 |
| 72.5° | 7731.2 | 6097.6 | 4934.4 | 3728.0 | 2601.6 | 1739.2 | 1174.4 | 838.4 | 620.8 | 486.4 | 416.0 |
| 75° | 6484.8 | 4910.4 | 3900.8 | 2808.0 | 1878.4 | 1230.4 | 848.0 | 611.2 | 467.2 | 385.6 | 332.8 |
| 77.5° | 4622.4 | 3419.2 | 2657.6 | 1844.8 | 1219.2 | 852.8 | 608.0 | 459.2 | 371.2 | 308.8 | 270.4 |
| 80° | 2904.0 | 2099.2 | 1619.2 | 1107.2 | 760.0 | 579.2 | 436.8 | 363.2 | 299.2 | 251.2 | 225.6 |
| 82.5° | 1748.8 | 1222.4 | 953.6 | 688.0 | 499.2 | 396.8 | 321.6 | 284.8 | 238.4 | 208.0 | 193.6 |
| 85° | 1187.2 | 899.2 | 625.6 | 406.4 | 300.8 | 233.6 | 219.2 | 196.8 | 177.6 | 148.8 | 144.0 |
| 87.5° | 227.2 | 321.6 | 280.0 | 166.4 | 110.4 | 94.4 | 83.2 | 80.0 | 72.0 | 57.6 | 65.6 |
| 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° | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 |
| 2.5° | 2646.4 | 2643.2 | 2636.8 | 2636.8 | 2632.0 | 2622.4 | 2620.8 | 2614.4 | 2606.4 | 2608.0 | 2606.4 |
| 5° | 2656.0 | 2649.6 | 2641.6 | 2638.4 | 2632.0 | 2622.4 | 2617.6 | 2609.6 | 2601.6 | 2601.6 | 2601.6 |
| 7.5° | 2667.2 | 2659.2 | 2652.8 | 2641.6 | 2628.8 | 2619.2 | 2606.4 | 2596.8 | 2592.0 | 2590.4 | 2592.0 |
| 10° | 2676.8 | 2672.0 | 2662.4 | 2646.4 | 2628.8 | 2609.6 | 2596.8 | 2584.0 | 2571.2 | 2572.8 | 2574.4 |
| 12.5° | 2697.6 | 2681.6 | 2656.0 | 2632.0 | 2604.8 | 2580.8 | 2558.4 | 2542.4 | 2526.4 | 2526.4 | 2528.0 |
| 15° | 2683.2 | 2636.8 | 2601.6 | 2555.2 | 2524.8 | 2486.4 | 2460.8 | 2446.4 | 2436.8 | 2433.6 | 2435.2 |
| 17.5° | 2598.4 | 2542.4 | 2489.6 | 2448.0 | 2406.4 | 2376.0 | 2364.8 | 2355.2 | 2342.4 | 2348.8 | 2342.4 |
| 20° | 2470.4 | 2401.6 | 2326.4 | 2276.8 | 2227.2 | 2206.4 | 2187.2 | 2177.6 | 2169.6 | 2198.4 | 2198.4 |
| 22.5° | 2286.4 | 2203.2 | 2126.4 | 2065.6 | 2009.6 | 1987.2 | 1968.0 | 1956.8 | 1961.6 | 1996.8 | 2000.0 |
| 25° | 2054.4 | 1953.6 | 1852.8 | 1816.0 | 1760.0 | 1742.4 | 1731.2 | 1729.6 | 1734.4 | 1769.6 | 1777.6 |
| 27.5° | 1808.0 | 1702.4 | 1616.0 | 1531.2 | 1505.6 | 1491.2 | 1470.4 | 1494.4 | 1499.2 | 1537.6 | 1553.6 |
| 30° | 1545.6 | 1432.0 | 1340.8 | 1284.8 | 1230.4 | 1238.4 | 1220.8 | 1249.6 | 1262.4 | 1302.4 | 1315.2 |
| 32.5° | 1276.8 | 1169.6 | 1078.4 | 1022.4 | 984.0 | 988.8 | 976.0 | 1001.6 | 1014.4 | 1062.4 | 1086.4 |
| 35° | 1056.0 | 964.8 | 891.2 | 843.2 | 825.6 | 808.0 | 804.8 | 808.0 | 820.8 | 857.6 | 900.8 |
| 37.5° | 929.6 | 854.4 | 801.6 | 766.4 | 742.4 | 731.2 | 724.8 | 724.8 | 724.8 | 732.8 | 753.6 |
| 40° | 875.2 | 808.0 | 761.6 | 728.0 | 712.0 | 705.6 | 700.8 | 696.0 | 688.0 | 684.8 | 686.4 |
| 42.5° | 851.2 | 774.4 | 724.8 | 699.2 | 689.6 | 689.6 | 689.6 | 686.4 | 678.4 | 670.4 | 662.4 |
| 45° | 827.2 | 744.0 | 694.4 | 676.8 | 672.0 | 673.6 | 673.6 | 673.6 | 667.2 | 657.6 | 643.2 |
| 47.5° | 796.8 | 710.4 | 660.8 | 649.6 | 649.6 | 654.4 | 656.0 | 656.0 | 649.6 | 640.0 | 628.8 |
| 50° | 760.0 | 667.2 | 622.4 | 612.8 | 608.0 | 608.0 | 608.0 | 608.0 | 603.2 | 596.8 | 588.8 |
| 52.5° | 740.8 | 643.2 | 596.8 | 587.2 | 587.2 | 582.4 | 580.8 | 576.0 | 571.2 | 566.4 | 555.2 |
| 55° | 734.4 | 633.6 | 585.6 | 577.6 | 577.6 | 572.8 | 568.0 | 563.2 | 555.2 | 547.2 | 536.0 |
| 57.5° | 716.8 | 612.8 | 571.2 | 564.8 | 564.8 | 561.6 | 556.8 | 552.0 | 544.0 | 532.8 | 518.4 |
| 60° | 676.8 | 577.6 | 542.4 | 540.8 | 540.8 | 539.2 | 536.0 | 536.0 | 528.0 | 516.8 | 499.2 |
| 62.5° | 625.6 | 540.8 | 507.2 | 507.2 | 505.6 | 504.0 | 497.6 | 496.0 | 486.4 | 472.0 | 456.0 |
| 65° | 576.0 | 508.8 | 486.4 | 480.0 | 476.8 | 472.0 | 468.8 | 460.8 | 452.8 | 440.0 | 424.0 |
| 67.5° | 513.6 | 460.8 | 446.4 | 440.0 | 433.6 | 428.8 | 424.0 | 419.2 | 409.6 | 400.0 | 387.2 |
| 70° | 446.4 | 408.0 | 400.0 | 398.4 | 390.4 | 385.6 | 384.0 | 379.2 | 369.6 | 360.0 | 344.0 |
| 72.5° | 382.4 | 360.0 | 353.6 | 353.6 | 344.0 | 337.6 | 334.4 | 332.8 | 326.4 | 318.4 | 304.0 |
| 75° | 308.8 | 292.8 | 291.2 | 299.2 | 299.2 | 294.4 | 291.2 | 294.4 | 284.8 | 280.0 | 265.6 |
| 77.5° | 252.8 | 244.8 | 240.0 | 243.2 | 252.8 | 248.0 | 241.6 | 241.6 | 241.6 | 233.6 | 228.8 |
| 80° | 214.4 | 208.0 | 203.2 | 206.4 | 204.8 | 203.2 | 200.0 | 193.6 | 193.6 | 193.6 | 192.0 |
| 82.5° | 193.6 | 192.0 | 174.4 | 174.4 | 168.0 | 163.2 | 160.0 | 156.8 | 153.6 | 153.6 | 161.6 |
| 85° | 145.6 | 150.4 | 140.8 | 139.2 | 131.2 | 124.8 | 118.4 | 115.2 | 112.0 | 116.8 | 132.8 |
| 87.5° | 70.4 | 70.4 | 67.2 | 75.2 | 68.8 | 65.6 | 60.8 | 57.6 | 60.8 | 75.2 | 89.6 |
| 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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CATALOG NUMBER: VST-E08-LED-E-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 |
| 2.5° | 2603.2 | 2601.6 | 2600.0 | 2596.8 | 2590.4 | 2588.8 | 2585.6 | 2585.6 | 2584.0 | 2580.8 | 2584.0 |
| 5° | 2598.4 | 2601.6 | 2601.6 | 2600.0 | 2595.2 | 2598.4 | 2598.4 | 2603.2 | 2603.2 | 2606.4 | 2614.4 |
| 7.5° | 2592.0 | 2600.0 | 2606.4 | 2611.2 | 2617.6 | 2622.4 | 2632.0 | 2646.4 | 2652.8 | 2664.0 | 2668.8 |
| 10° | 2579.2 | 2593.6 | 2604.8 | 2619.2 | 2635.2 | 2652.8 | 2667.2 | 2689.6 | 2697.6 | 2713.6 | 2721.6 |
| 12.5° | 2542.4 | 2566.4 | 2585.6 | 2614.4 | 2641.6 | 2668.8 | 2694.4 | 2723.2 | 2737.6 | 2755.2 | 2766.4 |
| 15° | 2452.8 | 2480.0 | 2507.2 | 2532.8 | 2580.8 | 2633.6 | 2675.2 | 2713.6 | 2734.4 | 2756.8 | 2768.0 |
| 17.5° | 2345.6 | 2363.2 | 2385.6 | 2419.2 | 2465.6 | 2512.0 | 2579.2 | 2633.6 | 2665.6 | 2691.2 | 2694.4 |
| 20° | 2220.8 | 2246.4 | 2262.4 | 2275.2 | 2312.0 | 2344.0 | 2416.0 | 2478.4 | 2520.0 | 2550.4 | 2558.4 |
| 22.5° | 2030.4 | 2057.6 | 2084.8 | 2094.4 | 2123.2 | 2164.8 | 2204.8 | 2272.0 | 2331.2 | 2376.0 | 2403.2 |
| 25° | 1812.8 | 1838.4 | 1875.2 | 1904.0 | 1910.4 | 1944.0 | 1984.0 | 2060.8 | 2121.6 | 2193.6 | 2225.6 |
| 27.5° | 1595.2 | 1617.6 | 1657.6 | 1673.6 | 1692.8 | 1726.4 | 1758.4 | 1822.4 | 1886.4 | 1969.6 | 2004.8 |
| 30° | 1340.8 | 1388.8 | 1435.2 | 1465.6 | 1481.6 | 1521.6 | 1544.0 | 1606.4 | 1665.6 | 1726.4 | 1777.6 |
| 32.5° | 1123.2 | 1166.4 | 1219.2 | 1257.6 | 1276.8 | 1307.2 | 1342.4 | 1395.2 | 1441.6 | 1500.8 | 1560.0 |
| 35° | 923.2 | 982.4 | 1017.6 | 1051.2 | 1100.8 | 1115.2 | 1150.4 | 1198.4 | 1225.6 | 1289.6 | 1356.8 |
| 37.5° | 782.4 | 817.6 | 852.8 | 886.4 | 928.0 | 947.2 | 980.8 | 1020.8 | 1052.8 | 1091.2 | 1152.0 |
| 40° | 696.0 | 715.2 | 740.8 | 763.2 | 793.6 | 817.6 | 835.2 | 868.8 | 892.8 | 931.2 | 974.4 |
| 42.5° | 656.0 | 660.8 | 664.0 | 680.0 | 696.0 | 712.0 | 731.2 | 745.6 | 774.4 | 803.2 | 830.4 |
| 45° | 633.6 | 624.0 | 619.2 | 620.8 | 627.2 | 636.8 | 652.8 | 668.8 | 688.0 | 705.6 | 721.6 |
| 47.5° | 614.4 | 601.6 | 587.2 | 579.2 | 580.8 | 584.0 | 596.8 | 609.6 | 619.2 | 633.6 | 640.0 |
| 50° | 569.6 | 558.4 | 545.6 | 534.4 | 536.0 | 537.6 | 548.8 | 558.4 | 564.8 | 569.6 | 577.6 |
| 52.5° | 540.8 | 524.8 | 513.6 | 502.4 | 500.8 | 505.6 | 515.2 | 524.8 | 528.0 | 531.2 | 532.8 |
| 55° | 520.0 | 504.0 | 489.6 | 478.4 | 473.6 | 484.8 | 488.0 | 500.8 | 505.6 | 505.6 | 507.2 |
| 57.5° | 504.0 | 484.8 | 470.4 | 459.2 | 451.2 | 459.2 | 467.2 | 481.6 | 483.2 | 480.0 | 480.0 |
| 60° | 480.0 | 465.6 | 451.2 | 440.0 | 432.0 | 438.4 | 444.8 | 460.8 | 460.8 | 452.8 | 451.2 |
| 62.5° | 438.4 | 430.4 | 420.8 | 416.0 | 414.4 | 420.8 | 425.6 | 438.4 | 433.6 | 424.0 | 420.8 |
| 65° | 408.0 | 401.6 | 392.0 | 388.8 | 387.2 | 396.8 | 398.4 | 406.4 | 400.0 | 395.2 | 393.6 |
| 67.5° | 371.2 | 366.4 | 361.6 | 360.0 | 355.2 | 355.2 | 358.4 | 363.2 | 360.0 | 360.0 | 361.6 |
| 70° | 329.6 | 323.2 | 318.4 | 320.0 | 316.8 | 316.8 | 318.4 | 321.6 | 320.0 | 323.2 | 326.4 |
| 72.5° | 291.2 | 283.2 | 281.6 | 281.6 | 278.4 | 280.0 | 280.0 | 281.6 | 284.8 | 286.4 | 294.4 |
| 75° | 254.4 | 246.4 | 246.4 | 244.8 | 244.8 | 244.8 | 246.4 | 249.6 | 252.8 | 254.4 | 257.6 |
| 77.5° | 220.8 | 216.0 | 217.6 | 216.0 | 216.0 | 216.0 | 216.0 | 220.8 | 222.4 | 224.0 | 228.8 |
| 80° | 190.4 | 190.4 | 192.0 | 192.0 | 190.4 | 188.8 | 190.4 | 193.6 | 195.2 | 196.8 | 198.4 |
| 82.5° | 172.8 | 174.4 | 174.4 | 174.4 | 166.4 | 163.2 | 168.0 | 171.2 | 174.4 | 176.0 | 179.2 |
| 85° | 148.8 | 142.4 | 148.8 | 147.2 | 136.0 | 134.4 | 134.4 | 136.0 | 139.2 | 136.0 | 136.0 |
| 87.5° | 96.0 | 86.4 | 91.2 | 91.2 | 80.0 | 65.6 | 83.2 | 89.6 | 80.0 | 84.8 | 84.8 |
| 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: P159140

CATALOG NUMBER: VST-E08-LED-E-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 |
| 2.5° | 2588.8 | 2585.6 | 2587.2 | 2587.2 | 2590.4 | 2585.6 | 2592.0 | 2598.4 | 2600.0 | 2600.0 | 2601.6 |
| 5° | 2622.4 | 2619.2 | 2630.4 | 2625.6 | 2636.8 | 2635.2 | 2643.2 | 2649.6 | 2652.8 | 2652.8 | 2652.8 |
| 7.5° | 2675.2 | 2686.4 | 2692.8 | 2710.4 | 2712.0 | 2721.6 | 2729.6 | 2737.6 | 2734.4 | 2736.0 | 2734.4 |
| 10° | 2734.4 | 2748.8 | 2764.8 | 2782.4 | 2784.0 | 2795.2 | 2808.0 | 2816.0 | 2812.8 | 2811.2 | 2806.4 |
| 12.5° | 2785.6 | 2795.2 | 2814.4 | 2832.0 | 2841.6 | 2859.2 | 2872.0 | 2878.4 | 2878.4 | 2873.6 | 2868.8 |
| 15° | 2782.4 | 2796.8 | 2817.6 | 2843.2 | 2860.8 | 2886.4 | 2908.8 | 2923.2 | 2924.8 | 2920.0 | 2918.4 |
| 17.5° | 2712.0 | 2732.8 | 2752.0 | 2787.2 | 2819.2 | 2854.4 | 2891.2 | 2912.0 | 2931.2 | 2942.4 | 2948.8 |
| 20° | 2585.6 | 2611.2 | 2638.4 | 2684.8 | 2728.0 | 2774.4 | 2817.6 | 2848.0 | 2876.8 | 2910.4 | 2950.4 |
| 22.5° | 2436.8 | 2475.2 | 2513.6 | 2572.8 | 2625.6 | 2678.4 | 2728.0 | 2764.8 | 2809.6 | 2867.2 | 2942.4 |
| 25° | 2262.4 | 2302.4 | 2350.4 | 2419.2 | 2486.4 | 2563.2 | 2636.8 | 2710.4 | 2796.8 | 2896.0 | 3012.8 |
| 27.5° | 2056.0 | 2100.8 | 2163.2 | 2246.4 | 2323.2 | 2401.6 | 2516.8 | 2633.6 | 2774.4 | 2902.4 | 3035.2 |
| 30° | 1851.2 | 1908.8 | 1976.0 | 2059.2 | 2136.0 | 2248.0 | 2363.2 | 2507.2 | 2656.0 | 2800.0 | 2958.4 |
| 32.5° | 1630.4 | 1702.4 | 1785.6 | 1854.4 | 1940.8 | 2054.4 | 2169.6 | 2323.2 | 2481.6 | 2651.2 | 2825.6 |
| 35° | 1417.6 | 1486.4 | 1552.0 | 1628.8 | 1715.2 | 1822.4 | 1934.4 | 2081.6 | 2281.6 | 2462.4 | 2670.4 |
| 37.5° | 1201.6 | 1265.6 | 1312.0 | 1372.8 | 1448.0 | 1566.4 | 1686.4 | 1856.0 | 2044.8 | 2267.2 | 2475.2 |
| 40° | 1012.8 | 1065.6 | 1118.4 | 1166.4 | 1230.4 | 1342.4 | 1470.4 | 1636.8 | 1822.4 | 2038.4 | 2270.4 |
| 42.5° | 862.4 | 902.4 | 960.0 | 1017.6 | 1072.0 | 1168.0 | 1288.0 | 1451.2 | 1635.2 | 1856.0 | 2088.0 |
| 45° | 736.0 | 763.2 | 809.6 | 857.6 | 924.8 | 1004.8 | 1120.0 | 1286.4 | 1473.6 | 1696.0 | 1940.8 |
| 47.5° | 644.8 | 657.6 | 689.6 | 739.2 | 801.6 | 880.0 | 979.2 | 1129.6 | 1312.0 | 1536.0 | 1793.6 |
| 50° | 582.4 | 596.8 | 612.8 | 654.4 | 710.4 | 790.4 | 872.0 | 1003.2 | 1169.6 | 1388.8 | 1644.8 |
| 52.5° | 539.2 | 545.6 | 552.0 | 577.6 | 628.8 | 696.0 | 782.4 | 881.6 | 1049.6 | 1259.2 | 1489.6 |
| 55° | 513.6 | 515.2 | 520.0 | 532.8 | 571.2 | 633.6 | 708.8 | 803.2 | 934.4 | 1132.8 | 1368.0 |
| 57.5° | 483.2 | 486.4 | 491.2 | 499.2 | 523.2 | 579.2 | 643.2 | 720.0 | 828.8 | 995.2 | 1220.8 |
| 60° | 454.4 | 462.4 | 470.4 | 475.2 | 488.0 | 521.6 | 576.0 | 636.8 | 724.8 | 849.6 | 1028.8 |
| 62.5° | 424.0 | 433.6 | 440.0 | 444.8 | 449.6 | 470.4 | 510.4 | 550.4 | 604.8 | 686.4 | 820.8 |
| 65° | 396.8 | 403.2 | 408.0 | 411.2 | 414.4 | 420.8 | 438.4 | 454.4 | 470.4 | 520.0 | 617.6 |
| 67.5° | 366.4 | 369.6 | 371.2 | 372.8 | 371.2 | 371.2 | 372.8 | 379.2 | 385.6 | 404.8 | 451.2 |
| 70° | 331.2 | 336.0 | 336.0 | 337.6 | 337.6 | 332.8 | 332.8 | 332.8 | 332.8 | 337.6 | 363.2 |
| 72.5° | 297.6 | 304.0 | 304.0 | 305.6 | 304.0 | 302.4 | 302.4 | 302.4 | 307.2 | 310.4 | 320.0 |
| 75° | 265.6 | 272.0 | 270.4 | 272.0 | 273.6 | 273.6 | 276.8 | 278.4 | 283.2 | 284.8 | 291.2 |
| 77.5° | 233.6 | 238.4 | 240.0 | 238.4 | 241.6 | 244.8 | 251.2 | 254.4 | 256.0 | 257.6 | 259.2 |
| 80° | 203.2 | 206.4 | 204.8 | 200.0 | 208.0 | 212.8 | 222.4 | 233.6 | 230.4 | 232.0 | 235.2 |
| 82.5° | 168.0 | 163.2 | 160.0 | 163.2 | 168.0 | 174.4 | 184.0 | 198.4 | 200.0 | 208.0 | 206.4 |
| 85° | 129.6 | 115.2 | 113.6 | 121.6 | 120.0 | 128.0 | 144.0 | 155.2 | 164.8 | 172.8 | 164.8 |
| 87.5° | 76.8 | 68.8 | 57.6 | 54.4 | 59.2 | 78.4 | 81.6 | 99.2 | 107.2 | 110.4 | 99.2 |
| 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: P159140

CATALOG NUMBER: VST-E08-LED-E-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 |
| 2.5° | 2747.2 | 2755.2 | 2755.2 | 2758.4 | 2763.2 | 2764.8 | 2771.2 | 2782.4 | 2784.0 | 2784.0 | 2788.8 |
| 5° | 2798.4 | 2806.4 | 2806.4 | 2812.8 | 2814.4 | 2822.4 | 2830.4 | 2843.2 | 2849.6 | 2848.0 | 2868.8 |
| 7.5° | 2881.6 | 2875.2 | 2870.4 | 2880.0 | 2884.8 | 2894.4 | 2910.4 | 2921.6 | 2932.8 | 2950.4 | 2979.2 |
| 10° | 2952.0 | 2942.4 | 2937.6 | 2944.0 | 2947.2 | 2958.4 | 2968.0 | 2984.0 | 3011.2 | 3038.4 | 3073.6 |
| 12.5° | 3009.6 | 2998.4 | 2985.6 | 2988.8 | 2993.6 | 3008.0 | 3024.0 | 3044.8 | 3084.8 | 3120.0 | 3172.8 |
| 15° | 3057.6 | 3041.6 | 3028.8 | 3035.2 | 3046.4 | 3065.6 | 3092.8 | 3129.6 | 3195.2 | 3256.0 | 3326.4 |
| 17.5° | 3104.0 | 3100.8 | 3096.0 | 3116.8 | 3124.8 | 3169.6 | 3209.6 | 3276.8 | 3366.4 | 3457.6 | 3558.4 |
| 20° | 3148.8 | 3184.0 | 3201.6 | 3243.2 | 3268.8 | 3329.6 | 3390.4 | 3472.0 | 3585.6 | 3710.4 | 3848.0 |
| 22.5° | 3211.2 | 3307.2 | 3366.4 | 3451.2 | 3494.4 | 3560.0 | 3649.6 | 3756.8 | 3883.2 | 4043.2 | 4219.2 |
| 25° | 3360.0 | 3500.8 | 3619.2 | 3752.0 | 3860.8 | 3961.6 | 4068.8 | 4198.4 | 4380.8 | 4526.4 | 4756.8 |
| 27.5° | 3425.6 | 3624.0 | 3801.6 | 3988.8 | 4152.0 | 4307.2 | 4476.8 | 4633.6 | 4849.6 | 5046.4 | 5324.8 |
| 30° | 3363.2 | 3587.2 | 3817.6 | 4062.4 | 4300.8 | 4536.0 | 4782.4 | 5022.4 | 5272.0 | 5547.2 | 5843.2 |
| 32.5° | 3248.0 | 3499.2 | 3758.4 | 4046.4 | 4342.4 | 4648.0 | 4968.0 | 5316.8 | 5668.8 | 6011.2 | 6313.6 |
| 35° | 3131.2 | 3401.6 | 3689.6 | 4019.2 | 4368.0 | 4747.2 | 5144.0 | 5585.6 | 6051.2 | 6484.8 | 6880.0 |
| 37.5° | 2961.6 | 3259.2 | 3588.8 | 3969.6 | 4384.0 | 4851.2 | 5361.6 | 5905.6 | 6494.4 | 7091.2 | 7609.6 |
| 40° | 2756.8 | 3072.0 | 3432.0 | 3870.4 | 4368.0 | 4958.4 | 5622.4 | 6320.0 | 7076.8 | 7804.8 | 8441.6 |
| 42.5° | 2569.6 | 2876.8 | 3260.8 | 3737.6 | 4326.4 | 5052.8 | 5870.4 | 6739.2 | 7635.2 | 8449.6 | 9281.6 |
| 45° | 2404.8 | 2744.0 | 3129.6 | 3644.8 | 4305.6 | 5132.8 | 6054.4 | 7052.8 | 8078.4 | 9048.0 | 10030.4 |
| 47.5° | 2254.4 | 2606.4 | 3038.4 | 3593.6 | 4296.0 | 5180.8 | 6182.4 | 7257.6 | 8393.6 | 9507.2 | 10648.0 |
| 50° | 2099.2 | 2441.6 | 2904.0 | 3537.6 | 4272.0 | 5179.2 | 6249.6 | 7396.8 | 8614.4 | 9864.0 | 11073.6 |
| 52.5° | 1932.8 | 2276.8 | 2740.8 | 3435.2 | 4220.8 | 5150.4 | 6267.2 | 7491.2 | 8788.8 | 10083.2 | 11435.2 |
| 55° | 1780.8 | 2102.4 | 2566.4 | 3264.0 | 4113.6 | 5080.0 | 6227.2 | 7531.2 | 8912.0 | 10300.8 | 11689.6 |
| 57.5° | 1606.4 | 1940.8 | 2382.4 | 3028.8 | 3912.0 | 4955.2 | 6113.6 | 7475.2 | 8947.2 | 10446.4 | 11891.2 |
| 60° | 1366.4 | 1694.4 | 2148.8 | 2750.4 | 3596.8 | 4691.2 | 5902.4 | 7305.6 | 8835.2 | 10472.0 | 12035.2 |
| 62.5° | 1091.2 | 1374.4 | 1812.8 | 2366.4 | 3153.6 | 4276.8 | 5512.0 | 6924.8 | 8486.4 | 10232.0 | 11961.6 |
| 65° | 811.2 | 1000.0 | 1377.6 | 1864.0 | 2640.0 | 3652.8 | 4883.2 | 6286.4 | 7804.8 | 9564.8 | 11499.2 |
| 67.5° | 564.8 | 700.8 | 932.8 | 1294.4 | 1920.0 | 2820.8 | 3985.6 | 5289.6 | 6750.4 | 8329.6 | 10539.2 |
| 70° | 427.2 | 489.6 | 616.0 | 817.6 | 1243.2 | 1921.6 | 2897.6 | 4059.2 | 5414.4 | 6936.0 | 9017.6 |
| 72.5° | 364.8 | 396.8 | 467.2 | 560.0 | 761.6 | 1168.0 | 1819.2 | 2793.6 | 3995.2 | 5233.6 | 6918.4 |
| 75° | 328.0 | 355.2 | 400.0 | 459.2 | 539.2 | 708.8 | 1067.2 | 1768.0 | 2646.4 | 3505.6 | 4827.2 |
| 77.5° | 297.6 | 321.6 | 361.6 | 392.0 | 435.2 | 510.4 | 680.0 | 1057.6 | 1585.6 | 2166.4 | 2995.2 |
| 80° | 265.6 | 280.0 | 316.8 | 347.2 | 380.8 | 424.0 | 488.0 | 664.0 | 910.4 | 1283.2 | 1766.4 |
| 82.5° | 227.2 | 238.4 | 265.6 | 307.2 | 332.8 | 350.4 | 369.6 | 440.0 | 545.6 | 696.0 | 980.8 |
| 85° | 176.0 | 184.0 | 208.0 | 238.4 | 249.6 | 251.2 | 254.4 | 273.6 | 339.2 | 521.6 | 844.8 |
| 87.5° | 89.6 | 99.2 | 124.8 | 134.4 | 113.6 | 123.2 | 124.8 | 132.8 | 176.0 | 286.4 | 291.2 |
| 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: P159140
 CATALOG NUMBER: VST-E08-LED-E-U-SLR

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| 0° | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 0° |
| 2.5° | 2788.8 | 2793.6 | 2804.8 | 2803.2 | 2811.2 | 2811.2 | 2811.2 | 2819.2 | 2814.4 | 2819.2 | 2827.2 | 2.5° |
| 5° | 2868.8 | 2876.8 | 2892.8 | 2892.8 | 2894.4 | 2889.6 | 2899.2 | 2905.6 | 2897.6 | 2894.4 | 2896.0 | 5° |
| 7.5° | 2985.6 | 2998.4 | 3011.2 | 3024.0 | 3033.6 | 3028.8 | 3030.4 | 3016.0 | 3012.8 | 3001.6 | 2987.2 | 7.5° |
| 10° | 3099.2 | 3134.4 | 3158.4 | 3180.8 | 3182.4 | 3177.6 | 3179.2 | 3155.2 | 3150.4 | 3128.0 | 3113.6 | 10° |
| 12.5° | 3216.0 | 3260.8 | 3299.2 | 3323.2 | 3337.6 | 3340.8 | 3342.4 | 3342.4 | 3320.0 | 3300.8 | 3267.2 | 12.5° |
| 15° | 3388.8 | 3467.2 | 3526.4 | 3552.0 | 3572.8 | 3592.0 | 3596.8 | 3603.2 | 3585.6 | 3560.0 | 3555.2 | 15° |
| 17.5° | 3662.4 | 3736.0 | 3814.4 | 3883.2 | 3929.6 | 3932.8 | 3972.8 | 3969.6 | 4006.4 | 3977.6 | 3969.6 | 17.5° |
| 20° | 3987.2 | 4147.2 | 4228.8 | 4320.0 | 4372.8 | 4398.4 | 4491.2 | 4462.4 | 4489.6 | 4536.0 | 4489.6 | 20° |
| 22.5° | 4393.6 | 4596.8 | 4715.2 | 4840.0 | 4926.4 | 4988.8 | 5056.0 | 5108.8 | 5182.4 | 5217.6 | 5185.6 | 22.5° |
| 25° | 4932.8 | 5164.8 | 5305.6 | 5478.4 | 5616.0 | 5728.0 | 5844.8 | 5985.6 | 5984.0 | 6068.8 | 6128.0 | 25° |
| 27.5° | 5552.0 | 5848.0 | 6052.8 | 6356.8 | 6475.2 | 6664.0 | 6864.0 | 7081.6 | 7120.0 | 7230.4 | 7286.4 | 27.5° |
| 30° | 6134.4 | 6500.8 | 6907.2 | 7268.8 | 7678.4 | 7958.4 | 8190.4 | 8344.0 | 8576.0 | 8518.4 | 8486.4 | 30° |
| 32.5° | 6672.0 | 7160.0 | 7739.2 | 8332.8 | 8982.4 | 9425.6 | 9835.2 | 10025.6 | 10169.6 | 9864.0 | 9459.2 | 32.5° |
| 35° | 7369.6 | 7953.6 | 8616.0 | 9348.8 | 10174.4 | 10803.2 | 11225.6 | 11284.8 | 11203.2 | 10811.2 | 10140.8 | 35° |
| 37.5° | 8233.6 | 8846.4 | 9600.0 | 10374.4 | 11251.2 | 11841.6 | 12323.2 | 12409.6 | 12193.6 | 11494.4 | 10790.4 | 37.5° |
| 40° | 9086.4 | 9804.8 | 10622.4 | 11539.2 | 12448.0 | 13097.6 | 13580.8 | 13606.4 | 13254.4 | 12436.8 | 11612.8 | 40° |
| 42.5° | 10019.2 | 10804.8 | 11715.2 | 12731.2 | 13670.4 | 14328.0 | 14676.8 | 14787.2 | 14289.6 | 13241.6 | 12451.2 | 42.5° |
| 45° | 10824.0 | 11763.2 | 12777.6 | 13857.6 | 14840.0 | 15464.0 | 15819.2 | 15784.0 | 15182.4 | 14147.2 | 13220.8 | 45° |
| 47.5° | 11608.0 | 12641.6 | 13710.4 | 14857.6 | 15833.6 | 16464.0 | 16828.8 | 16796.8 | 16033.6 | 14841.6 | 13822.4 | 47.5° |
| 50° | 12305.6 | 13427.2 | 14569.6 | 15795.2 | 16768.0 | 17345.6 | 17792.0 | 17651.2 | 16686.4 | 15400.0 | 14209.6 | 50° |
| 52.5° | 12790.4 | 14041.6 | 15235.2 | 16560.0 | 17561.6 | 18108.8 | 18676.8 | 18224.0 | 17072.0 | 15742.4 | 14417.6 | 52.5° |
| 55° | 13097.6 | 14464.0 | 15708.8 | 17174.4 | 18158.4 | 18812.8 | 19179.2 | 18536.0 | 17220.8 | 15836.8 | 14489.6 | 55° |
| 57.5° | 13305.6 | 14696.0 | 15987.2 | 17529.6 | 18696.0 | 19244.8 | 19334.4 | 18547.2 | 17124.8 | 15688.0 | 14417.6 | 57.5° |
| 60° | 13408.0 | 14764.8 | 16113.6 | 17779.2 | 19073.6 | 19374.4 | 19211.2 | 18288.0 | 16793.6 | 15251.2 | 13953.6 | 60° |
| 62.5° | 13396.8 | 14678.4 | 16048.0 | 17862.4 | 19148.8 | 19187.2 | 18816.0 | 17846.4 | 16184.0 | 14334.4 | 13182.4 | 62.5° |
| 65° | 13112.0 | 14363.2 | 15678.4 | 17553.6 | 18798.4 | 18633.6 | 18166.4 | 17017.6 | 14998.4 | 13137.6 | 12555.2 | 65° |
| 67.5° | 12291.2 | 13491.2 | 14712.0 | 16542.4 | 17811.2 | 17651.2 | 16944.0 | 15388.8 | 13620.8 | 12078.4 | 11764.8 | 67.5° |
| 70° | 10918.4 | 11936.0 | 13008.0 | 14616.0 | 15947.2 | 15731.2 | 14494.4 | 13548.8 | 12256.0 | 10854.4 | 10745.6 | 70° |
| 72.5° | 9128.0 | 9899.2 | 10676.8 | 11873.6 | 12790.4 | 12348.8 | 11571.2 | 11521.6 | 10476.8 | 9406.4 | 9428.8 | 72.5° |
| 75° | 7139.2 | 7718.4 | 8081.6 | 8785.6 | 9395.2 | 9000.0 | 9046.4 | 9321.6 | 8977.6 | 8134.4 | 7860.8 | 75° |
| 77.5° | 5172.8 | 5728.0 | 5843.2 | 6260.8 | 6689.6 | 7139.2 | 7734.4 | 8382.4 | 8491.2 | 8017.6 | 7025.6 | 77.5° |
| 80° | 3385.6 | 3996.8 | 3769.6 | 3918.4 | 4521.6 | 5342.4 | 6428.8 | 7496.0 | 7862.4 | 7436.8 | 6216.0 | 80° |
| 82.5° | 1996.8 | 2852.8 | 2491.2 | 2745.6 | 3128.0 | 3843.2 | 4593.6 | 5398.4 | 6011.2 | 5558.4 | 5192.0 | 82.5° |
| 85° | 1516.8 | 2249.6 | 2382.4 | 2691.2 | 2816.0 | 2846.4 | 2977.6 | 3240.0 | 3556.8 | 3675.2 | 3665.6 | 85° |
| 87.5° | 790.4 | 1748.8 | 1963.2 | 1816.0 | 1694.4 | 1468.8 | 1145.6 | 1233.6 | 1128.0 | 1542.4 | 1460.8 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



IUMBER: P159140

NUMBER: VST-E08-LED-E-U-SLR

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---------|---------|---------|--------|--------|--------|--------|
| 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 | 2673.6 |
| 2828.8 | 2824.0 | 2827.2 | 2828.8 | 2828.8 | 2828.8 | 2832.0 |
| 2894.4 | 2881.6 | 2876.8 | 2876.8 | 2875.2 | 2870.4 | 2868.8 |
| 2964.8 | 2942.4 | 2934.4 | 2924.8 | 2916.8 | 2912.0 | 2904.0 |
| 3091.2 | 3072.0 | 3032.0 | 3009.6 | 2988.8 | 2974.4 | 2961.6 |
| 3260.8 | 3233.6 | 3195.2 | 3166.4 | 3134.4 | 3124.8 | 3108.8 |
| 3523.2 | 3499.2 | 3465.6 | 3433.6 | 3414.4 | 3380.8 | 3356.8 |
| 3932.8 | 3884.8 | 3851.2 | 3809.6 | 3763.2 | 3694.4 | 3660.8 |
| 4472.0 | 4376.0 | 4308.8 | 4272.0 | 4179.2 | 4168.0 | 4086.4 |
| 5091.2 | 5062.4 | 4960.0 | 4915.2 | 4825.6 | 4790.4 | 4662.4 |
| 6017.6 | 5995.2 | 5785.6 | 5763.2 | 5625.6 | 5523.2 | 5324.8 |
| 7235.2 | 7051.2 | 6814.4 | 6649.6 | 6414.4 | 6150.4 | 5812.8 |
| 8299.2 | 7923.2 | 7561.6 | 7177.6 | 6852.8 | 6473.6 | 6091.2 |
| 8977.6 | 8473.6 | 8008.0 | 7614.4 | 7212.8 | 6761.6 | 6270.4 |
| 9572.8 | 9064.0 | 8556.8 | 8091.2 | 7604.8 | 7027.2 | 6420.8 |
| 10284.8 | 9779.2 | 9208.0 | 8553.6 | 7929.6 | 7222.4 | 6481.6 |
| 11014.4 | 10422.4 | 9708.8 | 8907.2 | 8123.2 | 7318.4 | 6470.4 |
| 11761.6 | 11004.8 | 10056.0 | 9142.4 | 8246.4 | 7332.8 | 6395.2 |
| 12368.0 | 11411.2 | 10313.6 | 9262.4 | 8272.0 | 7283.2 | 6300.8 |
| 12796.8 | 11672.0 | 10428.8 | 9304.0 | 8240.0 | 7204.8 | 6172.8 |
| 13041.6 | 11814.4 | 10457.6 | 9273.6 | 8174.4 | 7092.8 | 6033.6 |
| 13131.2 | 11857.6 | 10428.8 | 9211.2 | 8115.2 | 6972.8 | 5936.0 |
| 13121.6 | 11833.6 | 10323.2 | 9065.6 | 7956.8 | 6812.8 | 5816.0 |
| 12940.8 | 11611.2 | 10107.2 | 8891.2 | 7822.4 | 6739.2 | 5824.0 |
| 12633.6 | 11470.4 | 10043.2 | 8926.4 | 7892.8 | 6897.6 | 6076.8 |
| 12494.4 | 11752.0 | 10403.2 | 9278.4 | 8254.4 | 7350.4 | 6598.4 |
| 12416.0 | 12209.6 | 10918.4 | 9657.6 | 8683.2 | 7899.2 | 7220.8 |
| 12096.0 | 12340.8 | 11211.2 | 9873.6 | 9065.6 | 8449.6 | 7843.2 |
| 11579.2 | 12035.2 | 10988.8 | 9832.0 | 9276.8 | 8872.0 | 8067.2 |
| 10500.8 | 10982.4 | 9998.4 | 9219.2 | 9012.8 | 8878.4 | 7731.2 |
| 8507.2 | 8756.8 | 8196.8 | 8020.8 | 8097.6 | 8099.2 | 6484.8 |
| 6273.6 | 6123.2 | 5870.4 | 5883.2 | 6400.0 | 6320.0 | 4622.4 |
| 5121.6 | 4192.0 | 3833.6 | 3969.6 | 4608.0 | 4264.0 | 2904.0 |
| 4766.4 | 3739.2 | 3086.4 | 3118.4 | 3480.0 | 2747.2 | 1748.8 |
| 3854.4 | 3408.0 | 2732.8 | 2452.8 | 2380.8 | 1830.4 | 1187.2 |
| 1612.8 | 1483.2 | 1104.0 | 995.2 | 816.0 | 499.2 | 227.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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