

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: P159058

Luminaire Tested: **VTS-E11-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159058
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: MCGRAW-EDISON
Catalog Number: VTS-E11-LED-E1-SLR-8030
Description: VENTUS LED SITE LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (231) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

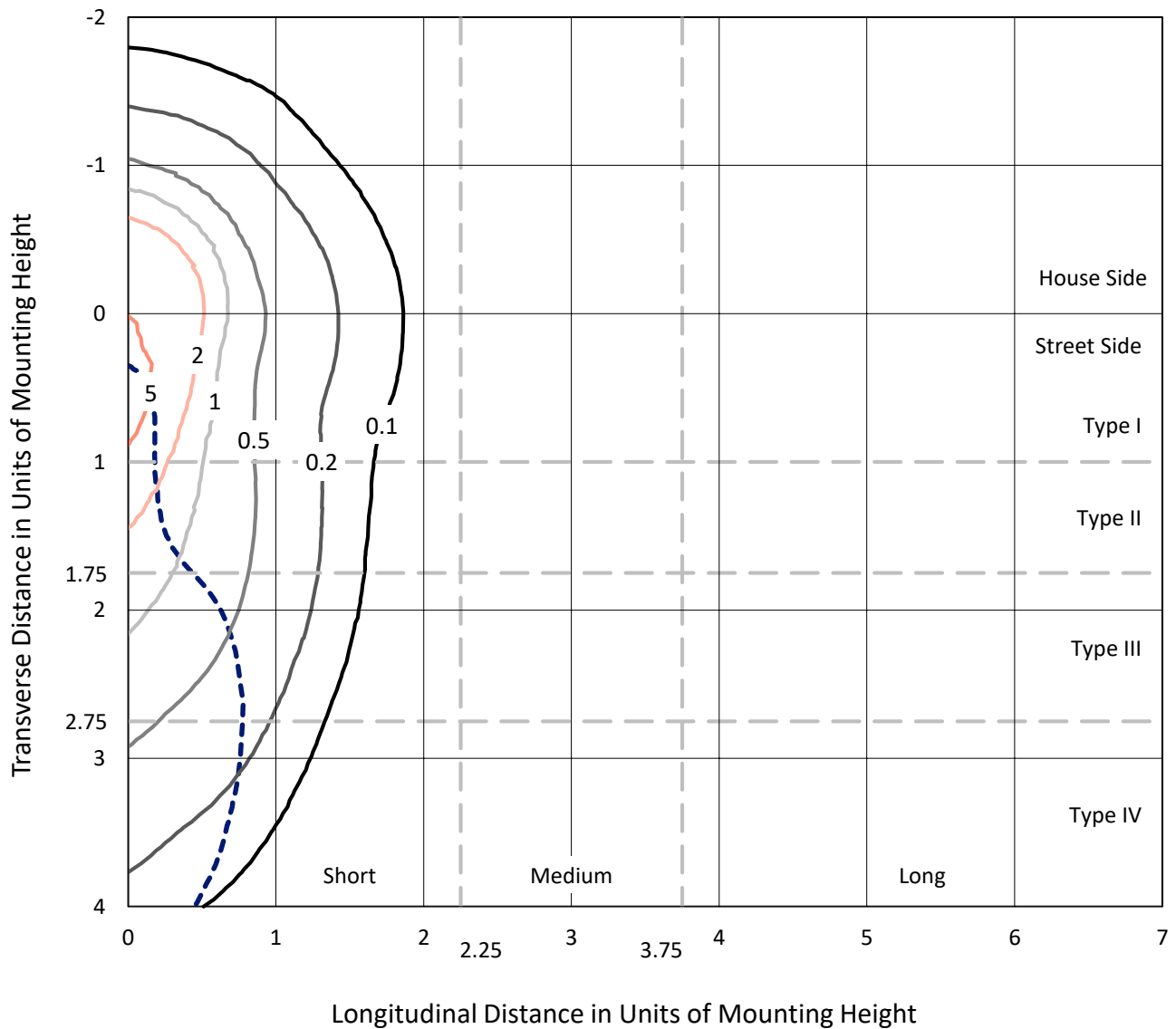
Lumens per Lamp: N/A
Luminaire Lumens: 24948.5 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 269.7
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

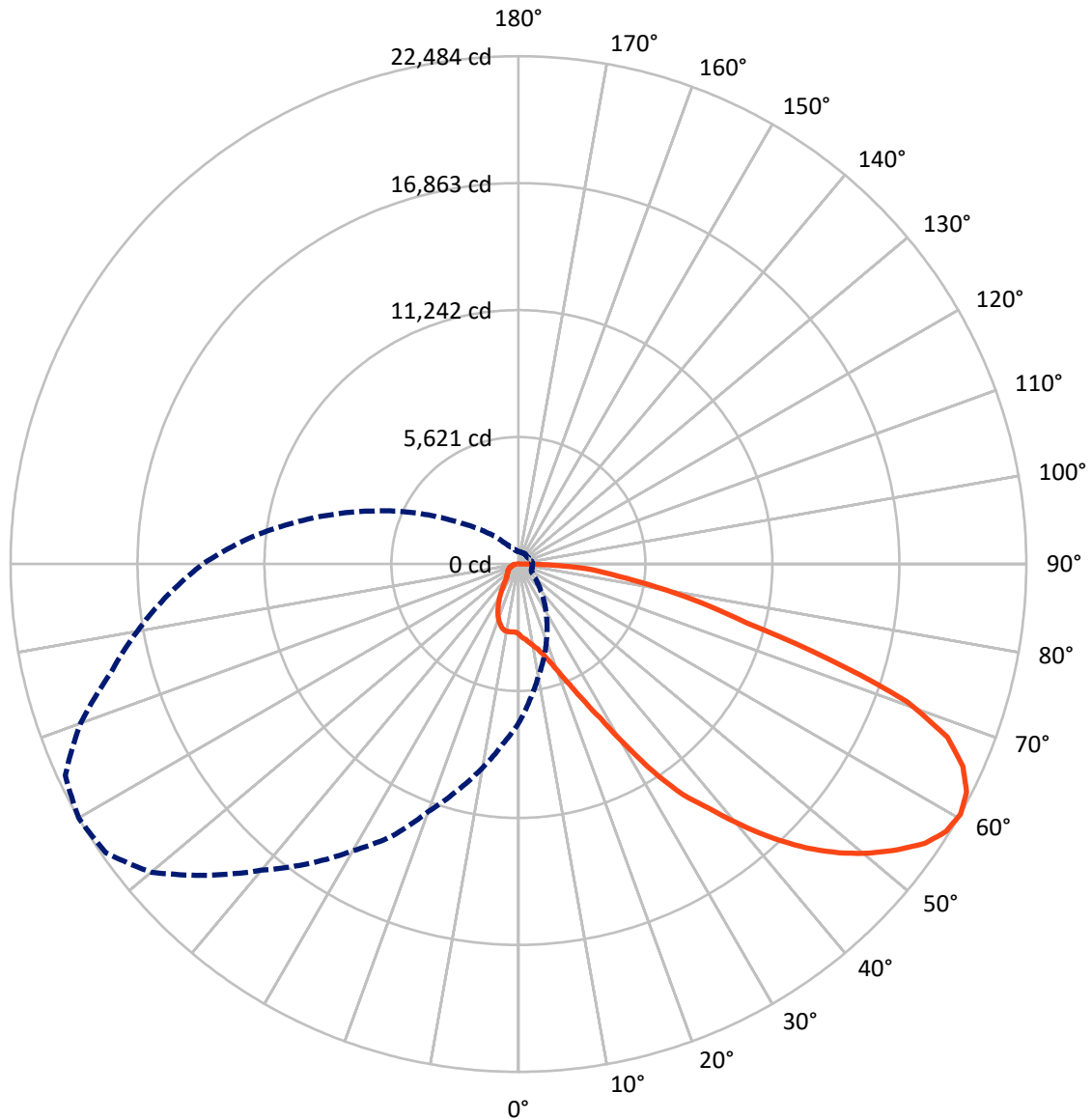
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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 | 5617.6 | 0.0 | 5617.6 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| Street Side | Lumens | 19330.8 | 0.0 | 19330.8 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| Total | Lumens | 24948.5 | 0.0 | 24948.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 306.1 | 1.2 |
| 10°-20° | 988.3 | 4.0 |
| 20°-30° | 1875.5 | 7.5 |
| 30°-40° | 2953.5 | 11.8 |
| 40°-50° | 4122.4 | 16.5 |
| 50°-60° | 5098.4 | 20.4 |
| 60°-70° | 5284.8 | 21.2 |
| 70°-80° | 3325.4 | 13.3 |
| 80°-90° | 994.0 | 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° | 24948.5 | 100.0 |
| 0°-180° | 24948.5 | 100.0 |



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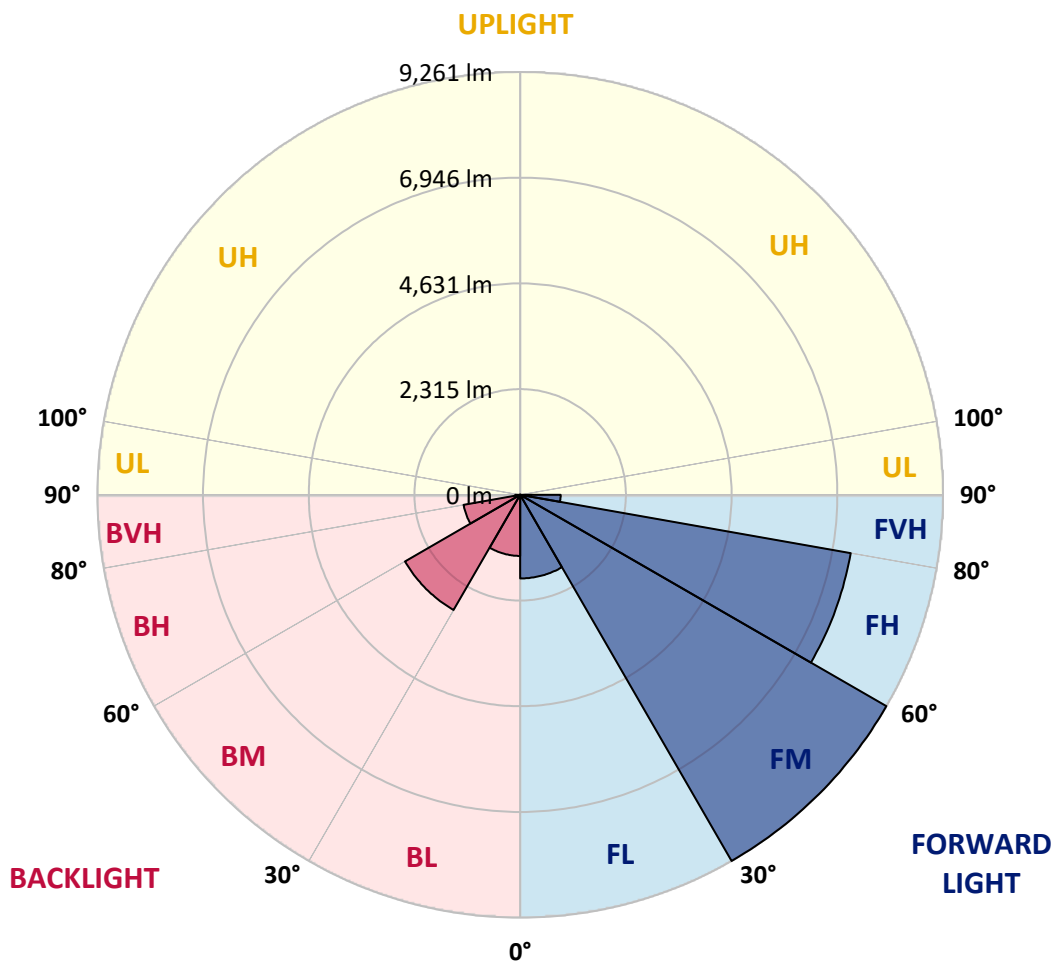
CATALOG NUMBER: VTS-E11-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1831.6 | 7.3 | | | |
| FM | (30°-60°) | 9261.3 | 37.1 | | | |
| FH | (60°-80°) | 7352.1 | 29.5 | | | G3/7500 |
| FVH | (80°-90°) | 885.9 | 3.6 | | | G5 |
| BL | (0°-30°) | 1338.3 | 5.4 | B3/2500 | | |
| BM | (30°-60°) | 2913.1 | 11.7 | B3/5000 | | |
| BH | (60°-80°) | 1258.1 | 5.0 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 108.1 | 0.4 | | | G2/225 |
| 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° | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 |
| 2.5° | 3286.5 | 3089.7 | 3093.4 | 3087.8 | 3087.8 | 3084.1 | 3087.8 | 3084.1 | 3080.4 | 3080.4 | 3082.3 |
| 5° | 3329.2 | 3112.0 | 3112.0 | 3106.4 | 3102.7 | 3099.0 | 3102.7 | 3099.0 | 3097.1 | 3093.4 | 3095.3 |
| 7.5° | 3370.1 | 3125.0 | 3117.5 | 3110.1 | 3100.8 | 3104.5 | 3104.5 | 3102.7 | 3104.5 | 3102.7 | 3106.4 |
| 10° | 3436.9 | 3167.7 | 3149.1 | 3132.4 | 3130.5 | 3126.8 | 3126.8 | 3121.2 | 3121.2 | 3117.5 | 3119.4 |
| 12.5° | 3607.7 | 3299.5 | 3279.1 | 3249.4 | 3243.8 | 3227.1 | 3217.8 | 3206.7 | 3188.1 | 3171.4 | 3158.4 |
| 15° | 3895.5 | 3518.6 | 3479.6 | 3453.6 | 3442.5 | 3409.0 | 3357.1 | 3316.2 | 3262.4 | 3215.9 | 3167.7 |
| 17.5° | 4248.3 | 3812.0 | 3765.5 | 3732.1 | 3676.4 | 3585.4 | 3498.2 | 3397.9 | 3293.9 | 3199.2 | 3112.0 |
| 20° | 4742.2 | 4233.5 | 4142.5 | 4062.6 | 3923.4 | 3767.4 | 3604.0 | 3429.5 | 3269.8 | 3121.2 | 2993.1 |
| 22.5° | 5410.7 | 4777.5 | 4608.5 | 4395.0 | 4136.9 | 3873.2 | 3613.3 | 3371.9 | 3158.4 | 2965.3 | 2794.5 |
| 25° | 6179.4 | 5297.4 | 4992.9 | 4625.2 | 4229.7 | 3865.8 | 3524.2 | 3214.1 | 2965.3 | 2716.5 | 2530.8 |
| 27.5° | 6745.7 | 5731.9 | 5282.5 | 4799.8 | 4294.7 | 3830.5 | 3410.9 | 3035.8 | 2735.0 | 2480.7 | 2256.0 |
| 30° | 7068.8 | 5980.7 | 5440.4 | 4874.0 | 4305.9 | 3771.1 | 3267.9 | 2833.4 | 2486.2 | 2183.6 | 1968.2 |
| 32.5° | 7276.7 | 6114.4 | 5457.1 | 4799.8 | 4172.2 | 3594.7 | 3050.7 | 2599.5 | 2222.6 | 1899.5 | 1671.1 |
| 35° | 7451.3 | 6168.2 | 5379.1 | 4634.5 | 3919.7 | 3327.3 | 2772.2 | 2321.0 | 1921.8 | 1624.7 | 1390.7 |
| 37.5° | 7521.8 | 6158.9 | 5254.7 | 4413.6 | 3672.7 | 3035.8 | 2488.1 | 2025.7 | 1669.2 | 1407.4 | 1206.9 |
| 40° | 7508.8 | 6073.5 | 5085.7 | 4177.8 | 3383.1 | 2731.3 | 2187.3 | 1780.7 | 1491.0 | 1270.0 | 1123.4 |
| 42.5° | 7421.5 | 5960.3 | 4898.2 | 3938.2 | 3117.5 | 2478.8 | 1983.0 | 1622.8 | 1388.9 | 1221.8 | 1093.6 |
| 45° | 7312.0 | 5824.7 | 4727.4 | 3719.1 | 2907.7 | 2298.7 | 1864.2 | 1578.3 | 1375.9 | 1216.2 | 1078.8 |
| 47.5° | 7163.5 | 5674.3 | 4554.7 | 3563.2 | 2796.3 | 2244.8 | 1862.4 | 1604.3 | 1387.0 | 1203.2 | 1052.8 |
| 50° | 7001.9 | 5564.8 | 4460.0 | 3496.3 | 2783.3 | 2278.3 | 1927.3 | 1645.1 | 1394.4 | 1190.2 | 1017.5 |
| 52.5° | 6888.7 | 5516.5 | 4458.1 | 3520.5 | 2852.0 | 2371.1 | 2003.5 | 1697.1 | 1422.3 | 1197.6 | 1010.1 |
| 55° | 6749.4 | 5509.1 | 4506.4 | 3624.4 | 3002.4 | 2528.9 | 2124.2 | 1786.2 | 1479.9 | 1225.5 | 1015.7 |
| 57.5° | 6758.7 | 5655.8 | 4693.9 | 3880.7 | 3273.5 | 2742.5 | 2278.3 | 1895.8 | 1535.6 | 1242.2 | 1006.4 |
| 60° | 7052.1 | 5997.4 | 5063.4 | 4318.9 | 3628.1 | 2993.1 | 2436.1 | 1955.2 | 1531.8 | 1205.1 | 961.8 |
| 62.5° | 7657.4 | 6509.9 | 5616.8 | 4833.2 | 3988.4 | 3186.2 | 2493.7 | 1938.5 | 1476.1 | 1125.2 | 889.4 |
| 65° | 8379.6 | 7109.6 | 6155.2 | 5232.4 | 4207.5 | 3230.8 | 2443.5 | 1845.6 | 1364.7 | 1021.2 | 802.1 |
| 67.5° | 9101.9 | 7534.8 | 6465.3 | 5345.7 | 4118.3 | 3050.7 | 2257.8 | 1637.7 | 1175.3 | 880.1 | 703.7 |
| 70° | 9361.9 | 7622.1 | 6441.2 | 5091.3 | 3713.6 | 2603.2 | 1858.6 | 1318.3 | 943.2 | 720.4 | 592.3 |
| 72.5° | 8972.0 | 7076.2 | 5726.3 | 4326.3 | 3019.1 | 2018.3 | 1362.9 | 973.0 | 720.4 | 564.5 | 482.8 |
| 75° | 7525.5 | 5698.5 | 4526.8 | 3258.6 | 2179.9 | 1427.9 | 984.1 | 709.3 | 542.2 | 447.5 | 386.2 |
| 77.5° | 5364.2 | 3967.9 | 3084.1 | 2140.9 | 1414.9 | 989.7 | 705.6 | 532.9 | 430.8 | 358.4 | 313.8 |
| 80° | 3370.1 | 2436.1 | 1879.1 | 1284.9 | 882.0 | 672.2 | 506.9 | 421.5 | 347.2 | 291.5 | 261.8 |
| 82.5° | 2029.5 | 1418.6 | 1106.6 | 798.4 | 579.3 | 460.5 | 373.2 | 330.5 | 276.7 | 241.4 | 224.7 |
| 85° | 1377.7 | 1043.5 | 726.0 | 471.6 | 349.1 | 271.1 | 254.4 | 228.4 | 206.1 | 172.7 | 167.1 |
| 87.5° | 263.7 | 373.2 | 324.9 | 193.1 | 128.1 | 109.6 | 96.6 | 92.8 | 83.6 | 66.8 | 76.1 |
| 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° | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 |
| 2.5° | 3071.1 | 3067.4 | 3060.0 | 3060.0 | 3054.4 | 3043.3 | 3041.4 | 3034.0 | 3024.7 | 3026.6 | 3024.7 |
| 5° | 3082.3 | 3074.8 | 3065.5 | 3061.8 | 3054.4 | 3043.3 | 3037.7 | 3028.4 | 3019.1 | 3019.1 | 3019.1 |
| 7.5° | 3095.3 | 3086.0 | 3078.5 | 3065.5 | 3050.7 | 3039.5 | 3024.7 | 3013.6 | 3008.0 | 3006.1 | 3008.0 |
| 10° | 3106.4 | 3100.8 | 3089.7 | 3071.1 | 3050.7 | 3028.4 | 3013.6 | 2998.7 | 2983.8 | 2985.7 | 2987.6 |
| 12.5° | 3130.5 | 3112.0 | 3082.3 | 3054.4 | 3022.8 | 2995.0 | 2969.0 | 2950.4 | 2931.9 | 2931.9 | 2933.7 |
| 15° | 3113.8 | 3060.0 | 3019.1 | 2965.3 | 2930.0 | 2885.4 | 2855.7 | 2839.0 | 2827.9 | 2824.2 | 2826.0 |
| 17.5° | 3015.4 | 2950.4 | 2889.1 | 2840.9 | 2792.6 | 2757.3 | 2744.3 | 2733.2 | 2718.3 | 2725.8 | 2718.3 |
| 20° | 2866.9 | 2787.0 | 2699.8 | 2642.2 | 2584.6 | 2560.5 | 2538.2 | 2527.1 | 2517.8 | 2551.2 | 2551.2 |
| 22.5° | 2653.3 | 2556.8 | 2467.7 | 2397.1 | 2332.1 | 2306.1 | 2283.8 | 2270.8 | 2276.4 | 2317.3 | 2321.0 |
| 25° | 2384.1 | 2267.1 | 2150.2 | 2107.4 | 2042.5 | 2022.0 | 2009.0 | 2007.2 | 2012.7 | 2053.6 | 2062.9 |
| 27.5° | 2098.2 | 1975.6 | 1875.3 | 1776.9 | 1747.2 | 1730.5 | 1706.4 | 1734.2 | 1739.8 | 1784.4 | 1802.9 |
| 30° | 1793.6 | 1661.8 | 1556.0 | 1491.0 | 1427.9 | 1437.1 | 1416.7 | 1450.1 | 1465.0 | 1511.4 | 1526.3 |
| 32.5° | 1481.7 | 1357.3 | 1251.5 | 1186.5 | 1141.9 | 1147.5 | 1132.6 | 1162.3 | 1177.2 | 1232.9 | 1260.8 |
| 35° | 1225.5 | 1119.6 | 1034.2 | 978.5 | 958.1 | 937.7 | 934.0 | 937.7 | 952.5 | 995.2 | 1045.4 |
| 37.5° | 1078.8 | 991.5 | 930.2 | 889.4 | 861.5 | 848.5 | 841.1 | 841.1 | 841.1 | 850.4 | 874.5 |
| 40° | 1015.7 | 937.7 | 883.8 | 844.8 | 826.3 | 818.8 | 813.3 | 807.7 | 798.4 | 794.7 | 796.6 |
| 42.5° | 987.8 | 898.7 | 841.1 | 811.4 | 800.3 | 800.3 | 800.3 | 796.6 | 787.3 | 778.0 | 768.7 |
| 45° | 960.0 | 863.4 | 805.8 | 785.4 | 779.8 | 781.7 | 781.7 | 781.7 | 774.3 | 763.1 | 746.4 |
| 47.5° | 924.7 | 824.4 | 766.9 | 753.9 | 753.9 | 759.4 | 761.3 | 761.3 | 753.9 | 742.7 | 729.7 |
| 50° | 882.0 | 774.3 | 722.3 | 711.1 | 705.6 | 705.6 | 705.6 | 705.6 | 700.0 | 692.6 | 683.3 |
| 52.5° | 859.7 | 746.4 | 692.6 | 681.4 | 681.4 | 675.9 | 674.0 | 668.4 | 662.9 | 657.3 | 644.3 |
| 55° | 852.3 | 735.3 | 679.6 | 670.3 | 670.3 | 664.7 | 659.2 | 653.6 | 644.3 | 635.0 | 622.0 |
| 57.5° | 831.8 | 711.1 | 662.9 | 655.4 | 655.4 | 651.7 | 646.2 | 640.6 | 631.3 | 618.3 | 601.6 |
| 60° | 785.4 | 670.3 | 629.4 | 627.6 | 627.6 | 625.7 | 622.0 | 622.0 | 612.7 | 599.7 | 579.3 |
| 62.5° | 726.0 | 627.6 | 588.6 | 588.6 | 586.7 | 584.9 | 577.5 | 575.6 | 564.5 | 547.8 | 529.2 |
| 65° | 668.4 | 590.5 | 564.5 | 557.0 | 553.3 | 547.8 | 544.0 | 534.8 | 525.5 | 510.6 | 492.0 |
| 67.5° | 596.0 | 534.8 | 518.0 | 510.6 | 503.2 | 497.6 | 492.0 | 486.5 | 475.3 | 464.2 | 449.3 |
| 70° | 518.0 | 473.5 | 464.2 | 462.3 | 453.1 | 447.5 | 445.6 | 440.1 | 428.9 | 417.8 | 399.2 |
| 72.5° | 443.8 | 417.8 | 410.3 | 410.3 | 399.2 | 391.8 | 388.1 | 386.2 | 378.8 | 369.5 | 352.8 |
| 75° | 358.4 | 339.8 | 337.9 | 347.2 | 347.2 | 341.6 | 337.9 | 341.6 | 330.5 | 324.9 | 308.2 |
| 77.5° | 293.4 | 284.1 | 278.5 | 282.2 | 293.4 | 287.8 | 280.4 | 280.4 | 280.4 | 271.1 | 265.5 |
| 80° | 248.8 | 241.4 | 235.8 | 239.5 | 237.7 | 235.8 | 232.1 | 224.7 | 224.7 | 224.7 | 222.8 |
| 82.5° | 224.7 | 222.8 | 202.4 | 202.4 | 195.0 | 189.4 | 185.7 | 182.0 | 178.3 | 178.3 | 187.5 |
| 85° | 169.0 | 174.5 | 163.4 | 161.5 | 152.3 | 144.8 | 137.4 | 133.7 | 130.0 | 135.5 | 154.1 |
| 87.5° | 81.7 | 81.7 | 78.0 | 87.3 | 79.8 | 76.1 | 70.6 | 66.8 | 70.6 | 87.3 | 104.0 |
| 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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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 |
| 2.5° | 3021.0 | 3019.1 | 3017.3 | 3013.6 | 3006.1 | 3004.3 | 3000.6 | 3000.6 | 2998.7 | 2995.0 | 2998.7 |
| 5° | 3015.4 | 3019.1 | 3019.1 | 3017.3 | 3011.7 | 3015.4 | 3015.4 | 3021.0 | 3021.0 | 3024.7 | 3034.0 |
| 7.5° | 3008.0 | 3017.3 | 3024.7 | 3030.3 | 3037.7 | 3043.3 | 3054.4 | 3071.1 | 3078.5 | 3091.5 | 3097.1 |
| 10° | 2993.1 | 3009.8 | 3022.8 | 3039.5 | 3058.1 | 3078.5 | 3095.3 | 3121.2 | 3130.5 | 3149.1 | 3158.4 |
| 12.5° | 2950.4 | 2978.3 | 3000.6 | 3034.0 | 3065.5 | 3097.1 | 3126.8 | 3160.2 | 3177.0 | 3197.4 | 3210.4 |
| 15° | 2846.4 | 2878.0 | 2909.6 | 2939.3 | 2995.0 | 3056.3 | 3104.5 | 3149.1 | 3173.2 | 3199.2 | 3212.2 |
| 17.5° | 2722.0 | 2742.5 | 2768.5 | 2807.5 | 2861.3 | 2915.1 | 2993.1 | 3056.3 | 3093.4 | 3123.1 | 3126.8 |
| 20° | 2577.2 | 2606.9 | 2625.5 | 2640.3 | 2683.0 | 2720.2 | 2803.7 | 2876.2 | 2924.4 | 2959.7 | 2969.0 |
| 22.5° | 2356.3 | 2387.8 | 2419.4 | 2430.5 | 2463.9 | 2512.2 | 2558.6 | 2636.6 | 2705.3 | 2757.3 | 2788.9 |
| 25° | 2103.7 | 2133.4 | 2176.1 | 2209.6 | 2217.0 | 2256.0 | 2302.4 | 2391.5 | 2462.1 | 2545.6 | 2582.8 |
| 27.5° | 1851.2 | 1877.2 | 1923.6 | 1942.2 | 1964.5 | 2003.5 | 2040.6 | 2114.9 | 2189.1 | 2285.7 | 2326.5 |
| 30° | 1556.0 | 1611.7 | 1665.5 | 1700.8 | 1719.4 | 1765.8 | 1791.8 | 1864.2 | 1932.9 | 2003.5 | 2062.9 |
| 32.5° | 1303.5 | 1353.6 | 1414.9 | 1459.4 | 1481.7 | 1517.0 | 1557.8 | 1619.1 | 1673.0 | 1741.7 | 1810.4 |
| 35° | 1071.4 | 1140.1 | 1180.9 | 1219.9 | 1277.5 | 1294.2 | 1335.0 | 1390.7 | 1422.3 | 1496.6 | 1574.5 |
| 37.5° | 908.0 | 948.8 | 989.7 | 1028.7 | 1076.9 | 1099.2 | 1138.2 | 1184.6 | 1221.8 | 1266.3 | 1336.9 |
| 40° | 807.7 | 830.0 | 859.7 | 885.7 | 921.0 | 948.8 | 969.2 | 1008.2 | 1036.1 | 1080.6 | 1130.8 |
| 42.5° | 761.3 | 766.9 | 770.6 | 789.1 | 807.7 | 826.3 | 848.5 | 865.3 | 898.7 | 932.1 | 963.7 |
| 45° | 735.3 | 724.1 | 718.6 | 720.4 | 727.9 | 739.0 | 757.6 | 776.1 | 798.4 | 818.8 | 837.4 |
| 47.5° | 713.0 | 698.1 | 681.4 | 672.2 | 674.0 | 677.7 | 692.6 | 707.4 | 718.6 | 735.3 | 742.7 |
| 50° | 661.0 | 648.0 | 633.2 | 620.2 | 622.0 | 623.9 | 636.9 | 648.0 | 655.4 | 661.0 | 670.3 |
| 52.5° | 627.6 | 609.0 | 596.0 | 583.0 | 581.2 | 586.7 | 597.9 | 609.0 | 612.7 | 616.5 | 618.3 |
| 55° | 603.5 | 584.9 | 568.2 | 555.2 | 549.6 | 562.6 | 566.3 | 581.2 | 586.7 | 586.7 | 588.6 |
| 57.5° | 584.9 | 562.6 | 545.9 | 532.9 | 523.6 | 532.9 | 542.2 | 558.9 | 560.7 | 557.0 | 557.0 |
| 60° | 557.0 | 540.3 | 523.6 | 510.6 | 501.3 | 508.8 | 516.2 | 534.8 | 534.8 | 525.5 | 523.6 |
| 62.5° | 508.8 | 499.5 | 488.3 | 482.8 | 480.9 | 488.3 | 493.9 | 508.8 | 503.2 | 492.0 | 488.3 |
| 65° | 473.5 | 466.1 | 454.9 | 451.2 | 449.3 | 460.5 | 462.3 | 471.6 | 464.2 | 458.6 | 456.8 |
| 67.5° | 430.8 | 425.2 | 419.6 | 417.8 | 412.2 | 412.2 | 415.9 | 421.5 | 417.8 | 417.8 | 419.6 |
| 70° | 382.5 | 375.1 | 369.5 | 371.4 | 367.6 | 367.6 | 369.5 | 373.2 | 371.4 | 375.1 | 378.8 |
| 72.5° | 337.9 | 328.7 | 326.8 | 326.8 | 323.1 | 324.9 | 324.9 | 326.8 | 330.5 | 332.4 | 341.6 |
| 75° | 295.2 | 285.9 | 285.9 | 284.1 | 284.1 | 284.1 | 285.9 | 289.7 | 293.4 | 295.2 | 298.9 |
| 77.5° | 256.2 | 250.7 | 252.5 | 250.7 | 250.7 | 250.7 | 250.7 | 256.2 | 258.1 | 259.9 | 265.5 |
| 80° | 221.0 | 221.0 | 222.8 | 222.8 | 221.0 | 219.1 | 221.0 | 224.7 | 226.5 | 228.4 | 230.2 |
| 82.5° | 200.5 | 202.4 | 202.4 | 202.4 | 193.1 | 189.4 | 195.0 | 198.7 | 202.4 | 204.2 | 208.0 |
| 85° | 172.7 | 165.3 | 172.7 | 170.8 | 157.8 | 156.0 | 156.0 | 157.8 | 161.5 | 157.8 | 157.8 |
| 87.5° | 111.4 | 100.3 | 105.8 | 105.8 | 92.8 | 76.1 | 96.6 | 104.0 | 92.8 | 98.4 | 98.4 |
| 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: P159058

CATALOG NUMBER: VTS-E11-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 |
| 2.5° | 3004.3 | 3000.6 | 3002.4 | 3002.4 | 3006.1 | 3000.6 | 3008.0 | 3015.4 | 3017.3 | 3017.3 | 3019.1 |
| 5° | 3043.3 | 3039.5 | 3052.5 | 3047.0 | 3060.0 | 3058.1 | 3067.4 | 3074.8 | 3078.5 | 3078.5 | 3078.5 |
| 7.5° | 3104.5 | 3117.5 | 3125.0 | 3145.4 | 3147.2 | 3158.4 | 3167.7 | 3177.0 | 3173.2 | 3175.1 | 3173.2 |
| 10° | 3173.2 | 3189.9 | 3208.5 | 3228.9 | 3230.8 | 3243.8 | 3258.6 | 3267.9 | 3264.2 | 3262.4 | 3256.8 |
| 12.5° | 3232.7 | 3243.8 | 3266.1 | 3286.5 | 3297.6 | 3318.1 | 3332.9 | 3340.3 | 3340.3 | 3334.8 | 3329.2 |
| 15° | 3228.9 | 3245.7 | 3269.8 | 3299.5 | 3319.9 | 3349.6 | 3375.6 | 3392.3 | 3394.2 | 3388.6 | 3386.8 |
| 17.5° | 3147.2 | 3171.4 | 3193.7 | 3234.5 | 3271.6 | 3312.5 | 3355.2 | 3379.3 | 3401.6 | 3414.6 | 3422.0 |
| 20° | 3000.6 | 3030.3 | 3061.8 | 3115.7 | 3165.8 | 3219.7 | 3269.8 | 3305.1 | 3338.5 | 3377.5 | 3423.9 |
| 22.5° | 2827.9 | 2872.4 | 2917.0 | 2985.7 | 3047.0 | 3108.2 | 3165.8 | 3208.5 | 3260.5 | 3327.3 | 3414.6 |
| 25° | 2625.5 | 2671.9 | 2727.6 | 2807.5 | 2885.4 | 2974.6 | 3060.0 | 3145.4 | 3245.7 | 3360.8 | 3496.3 |
| 27.5° | 2386.0 | 2438.0 | 2510.4 | 2606.9 | 2696.0 | 2787.0 | 2920.7 | 3056.3 | 3219.7 | 3368.2 | 3522.3 |
| 30° | 2148.3 | 2215.1 | 2293.1 | 2389.7 | 2478.8 | 2608.8 | 2742.5 | 2909.6 | 3082.3 | 3249.4 | 3433.2 |
| 32.5° | 1892.1 | 1975.6 | 2072.2 | 2152.0 | 2252.3 | 2384.1 | 2517.8 | 2696.0 | 2879.9 | 3076.7 | 3279.1 |
| 35° | 1645.1 | 1724.9 | 1801.1 | 1890.2 | 1990.5 | 2114.9 | 2244.8 | 2415.7 | 2647.8 | 2857.6 | 3099.0 |
| 37.5° | 1394.4 | 1468.7 | 1522.6 | 1593.1 | 1680.4 | 1817.8 | 1957.0 | 2153.9 | 2373.0 | 2631.1 | 2872.4 |
| 40° | 1175.3 | 1236.6 | 1297.9 | 1353.6 | 1427.9 | 1557.8 | 1706.4 | 1899.5 | 2114.9 | 2365.5 | 2634.8 |
| 42.5° | 1000.8 | 1047.2 | 1114.1 | 1180.9 | 1244.0 | 1355.4 | 1494.7 | 1684.1 | 1897.6 | 2153.9 | 2423.1 |
| 45° | 854.1 | 885.7 | 939.5 | 995.2 | 1073.2 | 1166.1 | 1299.7 | 1492.9 | 1710.1 | 1968.2 | 2252.3 |
| 47.5° | 748.3 | 763.1 | 800.3 | 857.8 | 930.2 | 1021.2 | 1136.3 | 1310.9 | 1522.6 | 1782.5 | 2081.5 |
| 50° | 675.9 | 692.6 | 711.1 | 759.4 | 824.4 | 917.2 | 1011.9 | 1164.2 | 1357.3 | 1611.7 | 1908.8 |
| 52.5° | 625.7 | 633.2 | 640.6 | 670.3 | 729.7 | 807.7 | 908.0 | 1023.1 | 1218.0 | 1461.3 | 1728.7 |
| 55° | 596.0 | 597.9 | 603.5 | 618.3 | 662.9 | 735.3 | 822.6 | 932.1 | 1084.4 | 1314.6 | 1587.5 |
| 57.5° | 560.7 | 564.5 | 570.0 | 579.3 | 607.2 | 672.2 | 746.4 | 835.6 | 961.8 | 1154.9 | 1416.7 |
| 60° | 527.3 | 536.6 | 545.9 | 551.5 | 566.3 | 605.3 | 668.4 | 739.0 | 841.1 | 986.0 | 1193.9 |
| 62.5° | 492.0 | 503.2 | 510.6 | 516.2 | 521.8 | 545.9 | 592.3 | 638.7 | 701.9 | 796.6 | 952.5 |
| 65° | 460.5 | 467.9 | 473.5 | 477.2 | 480.9 | 488.3 | 508.8 | 527.3 | 545.9 | 603.5 | 716.7 |
| 67.5° | 425.2 | 428.9 | 430.8 | 432.6 | 430.8 | 430.8 | 432.6 | 440.1 | 447.5 | 469.8 | 523.6 |
| 70° | 384.4 | 389.9 | 389.9 | 391.8 | 391.8 | 386.2 | 386.2 | 386.2 | 386.2 | 391.8 | 421.5 |
| 72.5° | 345.4 | 352.8 | 352.8 | 354.6 | 352.8 | 350.9 | 350.9 | 350.9 | 356.5 | 360.2 | 371.4 |
| 75° | 308.2 | 315.7 | 313.8 | 315.7 | 317.5 | 317.5 | 321.2 | 323.1 | 328.7 | 330.5 | 337.9 |
| 77.5° | 271.1 | 276.7 | 278.5 | 276.7 | 280.4 | 284.1 | 291.5 | 295.2 | 297.1 | 298.9 | 300.8 |
| 80° | 235.8 | 239.5 | 237.7 | 232.1 | 241.4 | 247.0 | 258.1 | 271.1 | 267.4 | 269.2 | 272.9 |
| 82.5° | 195.0 | 189.4 | 185.7 | 189.4 | 195.0 | 202.4 | 213.5 | 230.2 | 232.1 | 241.4 | 239.5 |
| 85° | 150.4 | 133.7 | 131.8 | 141.1 | 139.3 | 148.5 | 167.1 | 180.1 | 191.2 | 200.5 | 191.2 |
| 87.5° | 89.1 | 79.8 | 66.8 | 63.1 | 68.7 | 91.0 | 94.7 | 115.1 | 124.4 | 128.1 | 115.1 |
| 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: P159058

CATALOG NUMBER: VTS-E11-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 |
| 2.5° | 3188.1 | 3197.4 | 3197.4 | 3201.1 | 3206.7 | 3208.5 | 3215.9 | 3228.9 | 3230.8 | 3230.8 | 3236.4 |
| 5° | 3247.5 | 3256.8 | 3256.8 | 3264.2 | 3266.1 | 3275.4 | 3284.6 | 3299.5 | 3306.9 | 3305.1 | 3329.2 |
| 7.5° | 3344.1 | 3336.6 | 3331.1 | 3342.2 | 3347.8 | 3358.9 | 3377.5 | 3390.5 | 3403.5 | 3423.9 | 3457.3 |
| 10° | 3425.8 | 3414.6 | 3409.0 | 3416.5 | 3420.2 | 3433.2 | 3444.3 | 3462.9 | 3494.5 | 3526.0 | 3566.9 |
| 12.5° | 3492.6 | 3479.6 | 3464.8 | 3468.5 | 3474.0 | 3490.7 | 3509.3 | 3533.5 | 3579.9 | 3620.7 | 3682.0 |
| 15° | 3548.3 | 3529.7 | 3514.9 | 3522.3 | 3535.3 | 3557.6 | 3589.2 | 3631.9 | 3708.0 | 3778.5 | 3860.2 |
| 17.5° | 3602.2 | 3598.4 | 3592.9 | 3617.0 | 3626.3 | 3678.3 | 3724.7 | 3802.7 | 3906.7 | 4012.5 | 4129.5 |
| 20° | 3654.1 | 3695.0 | 3715.4 | 3763.7 | 3793.4 | 3864.0 | 3934.5 | 4029.2 | 4161.0 | 4305.9 | 4465.6 |
| 22.5° | 3726.6 | 3838.0 | 3906.7 | 4005.1 | 4055.2 | 4131.3 | 4235.3 | 4359.7 | 4506.4 | 4692.1 | 4896.3 |
| 25° | 3899.2 | 4062.6 | 4200.0 | 4354.1 | 4480.4 | 4597.4 | 4721.8 | 4872.2 | 5083.9 | 5252.8 | 5520.2 |
| 27.5° | 3975.4 | 4205.6 | 4411.7 | 4629.0 | 4818.3 | 4998.5 | 5195.3 | 5377.2 | 5627.9 | 5856.3 | 6179.4 |
| 30° | 3903.0 | 4162.9 | 4430.3 | 4714.4 | 4991.0 | 5264.0 | 5549.9 | 5828.4 | 6118.1 | 6437.5 | 6781.0 |
| 32.5° | 3769.3 | 4060.8 | 4361.6 | 4695.8 | 5039.3 | 5393.9 | 5765.3 | 6170.1 | 6578.6 | 6975.9 | 7326.9 |
| 35° | 3633.7 | 3947.5 | 4281.7 | 4664.2 | 5069.0 | 5509.1 | 5969.5 | 6482.0 | 7022.3 | 7525.5 | 7984.2 |
| 37.5° | 3436.9 | 3782.3 | 4164.8 | 4606.7 | 5087.6 | 5629.8 | 6222.1 | 6853.4 | 7536.7 | 8229.2 | 8830.8 |
| 40° | 3199.2 | 3565.0 | 3982.8 | 4491.6 | 5069.0 | 5754.2 | 6524.7 | 7334.3 | 8212.5 | 9057.4 | 9796.4 |
| 42.5° | 2982.0 | 3338.5 | 3784.1 | 4337.4 | 5020.7 | 5863.7 | 6812.5 | 7820.8 | 8860.6 | 9805.7 | 10771.2 |
| 45° | 2790.7 | 3184.4 | 3631.9 | 4229.7 | 4996.6 | 5956.6 | 7026.1 | 8184.7 | 9374.9 | 10500.1 | 11640.2 |
| 47.5° | 2616.2 | 3024.7 | 3526.0 | 4170.3 | 4985.5 | 6012.3 | 7174.6 | 8422.4 | 9740.7 | 11033.0 | 12356.9 |
| 50° | 2436.1 | 2833.4 | 3370.1 | 4105.3 | 4957.6 | 6010.4 | 7252.6 | 8583.9 | 9996.9 | 11447.0 | 12850.8 |
| 52.5° | 2243.0 | 2642.2 | 3180.7 | 3986.5 | 4898.2 | 5977.0 | 7273.0 | 8693.4 | 10199.3 | 11701.4 | 13270.4 |
| 55° | 2066.6 | 2439.8 | 2978.3 | 3787.8 | 4773.8 | 5895.3 | 7226.6 | 8739.9 | 10342.3 | 11953.9 | 13565.6 |
| 57.5° | 1864.2 | 2252.3 | 2764.7 | 3514.9 | 4539.8 | 5750.4 | 7094.8 | 8674.9 | 10383.1 | 12122.9 | 13799.6 |
| 60° | 1585.7 | 1966.3 | 2493.7 | 3191.8 | 4174.0 | 5444.1 | 6849.7 | 8478.1 | 10253.1 | 12152.6 | 13966.7 |
| 62.5° | 1266.3 | 1595.0 | 2103.7 | 2746.2 | 3659.7 | 4963.2 | 6396.6 | 8036.1 | 9848.4 | 11874.1 | 13881.3 |
| 65° | 941.4 | 1160.5 | 1598.7 | 2163.1 | 3063.7 | 4239.0 | 5666.9 | 7295.3 | 9057.4 | 11099.8 | 13344.7 |
| 67.5° | 655.4 | 813.3 | 1082.5 | 1502.1 | 2228.1 | 3273.5 | 4625.2 | 6138.5 | 7833.8 | 9666.4 | 12230.6 |
| 70° | 495.8 | 568.2 | 714.9 | 948.8 | 1442.7 | 2230.0 | 3362.6 | 4710.7 | 6283.3 | 8049.1 | 10464.8 |
| 72.5° | 423.3 | 460.5 | 542.2 | 649.9 | 883.8 | 1355.4 | 2111.2 | 3241.9 | 4636.4 | 6073.5 | 8028.7 |
| 75° | 380.6 | 412.2 | 464.2 | 532.9 | 625.7 | 822.6 | 1238.5 | 2051.7 | 3071.1 | 4068.2 | 5601.9 |
| 77.5° | 345.4 | 373.2 | 419.6 | 454.9 | 505.0 | 592.3 | 789.1 | 1227.3 | 1840.1 | 2514.1 | 3475.9 |
| 80° | 308.2 | 324.9 | 367.6 | 402.9 | 441.9 | 492.0 | 566.3 | 770.6 | 1056.5 | 1489.1 | 2049.9 |
| 82.5° | 263.7 | 276.7 | 308.2 | 356.5 | 386.2 | 406.6 | 428.9 | 510.6 | 633.2 | 807.7 | 1138.2 |
| 85° | 204.2 | 213.5 | 241.4 | 276.7 | 289.7 | 291.5 | 295.2 | 317.5 | 393.6 | 605.3 | 980.4 |
| 87.5° | 104.0 | 115.1 | 144.8 | 156.0 | 131.8 | 143.0 | 144.8 | 154.1 | 204.2 | 332.4 | 337.9 |
| 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: P159058
 CATALOG NUMBER: VTS-E11-LED-E1-SLR-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| 0° | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 0° |
| 2.5° | 3236.4 | 3241.9 | 3254.9 | 3253.1 | 3262.4 | 3262.4 | 3262.4 | 3271.6 | 3266.1 | 3271.6 | 3280.9 | 2.5° |
| 5° | 3329.2 | 3338.5 | 3357.1 | 3357.1 | 3358.9 | 3353.3 | 3364.5 | 3371.9 | 3362.6 | 3358.9 | 3360.8 | 5° |
| 7.5° | 3464.8 | 3479.6 | 3494.5 | 3509.3 | 3520.5 | 3514.9 | 3516.7 | 3500.0 | 3496.3 | 3483.3 | 3466.6 | 7.5° |
| 10° | 3596.6 | 3637.4 | 3665.3 | 3691.3 | 3693.1 | 3687.6 | 3689.4 | 3661.6 | 3656.0 | 3630.0 | 3613.3 | 10° |
| 12.5° | 3732.1 | 3784.1 | 3828.7 | 3856.5 | 3873.2 | 3877.0 | 3878.8 | 3878.8 | 3852.8 | 3830.5 | 3791.5 | 12.5° |
| 15° | 3932.7 | 4023.6 | 4092.3 | 4122.1 | 4146.2 | 4168.5 | 4174.0 | 4181.5 | 4161.0 | 4131.3 | 4125.8 | 15° |
| 17.5° | 4250.2 | 4335.6 | 4426.6 | 4506.4 | 4560.3 | 4564.0 | 4610.4 | 4606.7 | 4649.4 | 4616.0 | 4606.7 | 17.5° |
| 20° | 4627.1 | 4812.8 | 4907.5 | 5013.3 | 5074.6 | 5104.3 | 5212.0 | 5178.6 | 5210.1 | 5264.0 | 5210.1 | 20° |
| 22.5° | 5098.7 | 5334.5 | 5471.9 | 5616.8 | 5717.0 | 5789.4 | 5867.4 | 5928.7 | 6014.1 | 6055.0 | 6017.8 | 22.5° |
| 25° | 5724.5 | 5993.7 | 6157.1 | 6357.6 | 6517.3 | 6647.3 | 6782.8 | 6946.2 | 6944.4 | 7042.8 | 7111.5 | 25° |
| 27.5° | 6443.0 | 6786.5 | 7024.2 | 7377.0 | 7514.4 | 7733.5 | 7965.6 | 8218.1 | 8262.7 | 8390.8 | 8455.8 | 27.5° |
| 30° | 7118.9 | 7544.1 | 8015.7 | 8435.4 | 8910.7 | 9235.6 | 9504.9 | 9683.1 | 9952.3 | 9885.5 | 9848.4 | 30° |
| 32.5° | 7742.8 | 8309.1 | 8981.2 | 9670.1 | 10424.0 | 10938.3 | 11413.6 | 11634.6 | 11801.7 | 11447.0 | 10977.3 | 32.5° |
| 35° | 8552.3 | 9230.1 | 9998.8 | 10849.2 | 11807.3 | 12537.0 | 13027.2 | 13095.9 | 13001.2 | 12546.3 | 11768.3 | 35° |
| 37.5° | 9555.0 | 10266.1 | 11140.7 | 12039.4 | 13056.9 | 13742.0 | 14300.9 | 14401.2 | 14150.5 | 13339.1 | 12522.1 | 37.5° |
| 40° | 10544.7 | 11378.3 | 12327.2 | 13391.1 | 14445.7 | 15199.6 | 15760.3 | 15790.1 | 15381.6 | 14432.8 | 13476.5 | 40° |
| 42.5° | 11627.2 | 12538.8 | 13595.3 | 14774.4 | 15864.3 | 16627.5 | 17032.2 | 17160.4 | 16582.9 | 15366.7 | 14449.5 | 42.5° |
| 45° | 12561.1 | 13651.0 | 14828.2 | 16081.6 | 17221.6 | 17945.8 | 18358.0 | 18317.1 | 17619.0 | 16417.6 | 15342.6 | 45° |
| 47.5° | 13470.9 | 14670.4 | 15910.7 | 17242.1 | 18374.7 | 19106.3 | 19529.6 | 19492.5 | 18606.8 | 17223.5 | 16040.7 | 47.5° |
| 50° | 14280.5 | 15582.1 | 16907.8 | 18330.1 | 19459.1 | 20129.4 | 20647.4 | 20484.0 | 19364.4 | 17871.5 | 16490.1 | 50° |
| 52.5° | 14843.1 | 16295.1 | 17680.3 | 19217.7 | 20380.0 | 21015.0 | 21674.2 | 21148.7 | 19811.8 | 18268.9 | 16731.4 | 52.5° |
| 55° | 15199.6 | 16785.3 | 18229.9 | 19930.7 | 21072.6 | 21832.0 | 22257.2 | 21510.8 | 19984.5 | 18378.4 | 16815.0 | 55° |
| 57.5° | 15441.0 | 17054.5 | 18552.9 | 20342.9 | 21696.5 | 22333.4 | 22437.3 | 21523.8 | 19873.1 | 18205.7 | 16731.4 | 57.5° |
| 60° | 15559.8 | 17134.4 | 18699.6 | 20632.5 | 22134.7 | 22483.7 | 22294.4 | 21223.0 | 19488.8 | 17698.8 | 16193.0 | 60° |
| 62.5° | 15546.8 | 17034.1 | 18623.5 | 20729.1 | 22221.9 | 22266.5 | 21835.7 | 20710.5 | 18781.3 | 16634.9 | 15298.0 | 62.5° |
| 65° | 15216.3 | 16668.3 | 18194.6 | 20370.7 | 21815.3 | 21624.1 | 21081.9 | 19748.7 | 17405.5 | 15246.0 | 14570.2 | 65° |
| 67.5° | 14263.8 | 15656.4 | 17073.1 | 19197.2 | 20669.7 | 20484.0 | 19663.3 | 17858.5 | 15806.8 | 14016.8 | 13652.9 | 67.5° |
| 70° | 12670.7 | 13851.6 | 15095.6 | 16961.7 | 18506.5 | 18255.9 | 16820.6 | 15723.2 | 14222.9 | 12596.4 | 12470.1 | 70° |
| 72.5° | 10592.9 | 11487.9 | 12390.3 | 13779.2 | 14843.1 | 14330.6 | 13428.2 | 13370.7 | 12158.2 | 10916.0 | 10942.0 | 72.5° |
| 75° | 8285.0 | 8957.1 | 9378.6 | 10195.6 | 10903.0 | 10444.4 | 10498.2 | 10817.6 | 10418.4 | 9439.9 | 9122.4 | 75° |
| 77.5° | 6003.0 | 6647.3 | 6781.0 | 7265.6 | 7763.2 | 8285.0 | 8975.7 | 9727.7 | 9853.9 | 9304.3 | 8153.1 | 77.5° |
| 80° | 3928.9 | 4638.2 | 4374.6 | 4547.3 | 5247.3 | 6199.8 | 7460.5 | 8699.0 | 9124.2 | 8630.3 | 7213.6 | 80° |
| 82.5° | 2317.3 | 3310.6 | 2891.0 | 3186.2 | 3630.0 | 4460.0 | 5330.8 | 6264.8 | 6975.9 | 6450.5 | 6025.3 | 82.5° |
| 85° | 1760.2 | 2610.6 | 2764.7 | 3123.1 | 3267.9 | 3303.2 | 3455.5 | 3760.0 | 4127.6 | 4265.0 | 4253.9 | 85° |
| 87.5° | 917.2 | 2029.5 | 2278.3 | 2107.4 | 1966.3 | 1704.5 | 1329.5 | 1431.6 | 1309.0 | 1789.9 | 1695.2 | 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° |



NUMBER: P159058

NUMBER: VTS-E11-LED-E1-SLR-8030

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---------|---------|---------|---------|---------|---------|--------|
| 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 | 3102.7 |
| 3282.8 | 3277.2 | 3280.9 | 3282.8 | 3282.8 | 3282.8 | 3286.5 |
| 3358.9 | 3344.1 | 3338.5 | 3338.5 | 3336.6 | 3331.1 | 3329.2 |
| 3440.6 | 3414.6 | 3405.3 | 3394.2 | 3384.9 | 3379.3 | 3370.1 |
| 3587.3 | 3565.0 | 3518.6 | 3492.6 | 3468.5 | 3451.8 | 3436.9 |
| 3784.1 | 3752.6 | 3708.0 | 3674.6 | 3637.4 | 3626.3 | 3607.7 |
| 4088.6 | 4060.8 | 4021.8 | 3984.6 | 3962.4 | 3923.4 | 3895.5 |
| 4564.0 | 4508.3 | 4469.3 | 4421.0 | 4367.1 | 4287.3 | 4248.3 |
| 5189.7 | 5078.3 | 5000.3 | 4957.6 | 4849.9 | 4836.9 | 4742.2 |
| 5908.3 | 5874.9 | 5756.0 | 5704.0 | 5600.0 | 5559.2 | 5410.7 |
| 6983.3 | 6957.4 | 6714.1 | 6688.1 | 6528.4 | 6409.6 | 6179.4 |
| 8396.4 | 8182.8 | 7908.0 | 7716.8 | 7443.8 | 7137.5 | 6745.7 |
| 9631.1 | 9194.8 | 8775.1 | 8329.5 | 7952.6 | 7512.5 | 7068.8 |
| 10418.4 | 9833.5 | 9293.2 | 8836.4 | 8370.4 | 7846.8 | 7276.7 |
| 11109.1 | 10518.7 | 9930.1 | 9389.7 | 8825.3 | 8155.0 | 7451.3 |
| 11935.4 | 11348.6 | 10685.8 | 9926.3 | 9202.2 | 8381.5 | 7521.8 |
| 12782.1 | 12095.1 | 11266.9 | 10336.7 | 9426.9 | 8492.9 | 7508.8 |
| 13649.2 | 12770.9 | 11669.9 | 10609.6 | 9569.8 | 8509.6 | 7421.5 |
| 14352.9 | 13242.6 | 11968.8 | 10748.9 | 9599.6 | 8452.1 | 7312.0 |
| 14850.5 | 13545.2 | 12102.5 | 10797.2 | 9562.4 | 8361.1 | 7163.5 |
| 15134.6 | 13710.5 | 12135.9 | 10761.9 | 9486.3 | 8231.1 | 7001.9 |
| 15238.6 | 13760.6 | 12102.5 | 10689.5 | 9417.6 | 8091.8 | 6888.7 |
| 15227.5 | 13732.7 | 11979.9 | 10520.5 | 9233.8 | 7906.2 | 6749.4 |
| 15017.6 | 13474.7 | 11729.3 | 10318.1 | 9077.8 | 7820.8 | 6758.7 |
| 14661.1 | 13311.3 | 11655.0 | 10359.0 | 9159.5 | 8004.6 | 7052.1 |
| 14499.6 | 13638.0 | 12072.8 | 10767.5 | 9579.1 | 8530.0 | 7657.4 |
| 14408.6 | 14169.1 | 12670.7 | 11207.5 | 10076.7 | 9166.9 | 8379.6 |
| 14037.3 | 14321.3 | 13010.5 | 11458.2 | 10520.5 | 9805.7 | 9101.9 |
| 13437.5 | 13966.7 | 12752.4 | 11409.9 | 10765.6 | 10295.8 | 9361.9 |
| 12186.0 | 12744.9 | 11603.0 | 10698.8 | 10459.2 | 10303.3 | 8972.0 |
| 9872.5 | 10162.2 | 9512.3 | 9308.0 | 9397.2 | 9399.0 | 7525.5 |
| 7280.4 | 7105.9 | 6812.5 | 6827.4 | 7427.1 | 7334.3 | 5364.2 |
| 5943.6 | 4864.8 | 4448.8 | 4606.7 | 5347.5 | 4948.3 | 3370.1 |
| 5531.3 | 4339.3 | 3581.7 | 3618.9 | 4038.5 | 3188.1 | 2029.5 |
| 4473.0 | 3954.9 | 3171.4 | 2846.4 | 2762.9 | 2124.2 | 1377.7 |
| 1871.6 | 1721.2 | 1281.2 | 1154.9 | 947.0 | 579.3 | 263.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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