

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: P157914

Luminaire Tested: **VTS-F06-LED-E1-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157914
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
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-RW-7030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14094 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

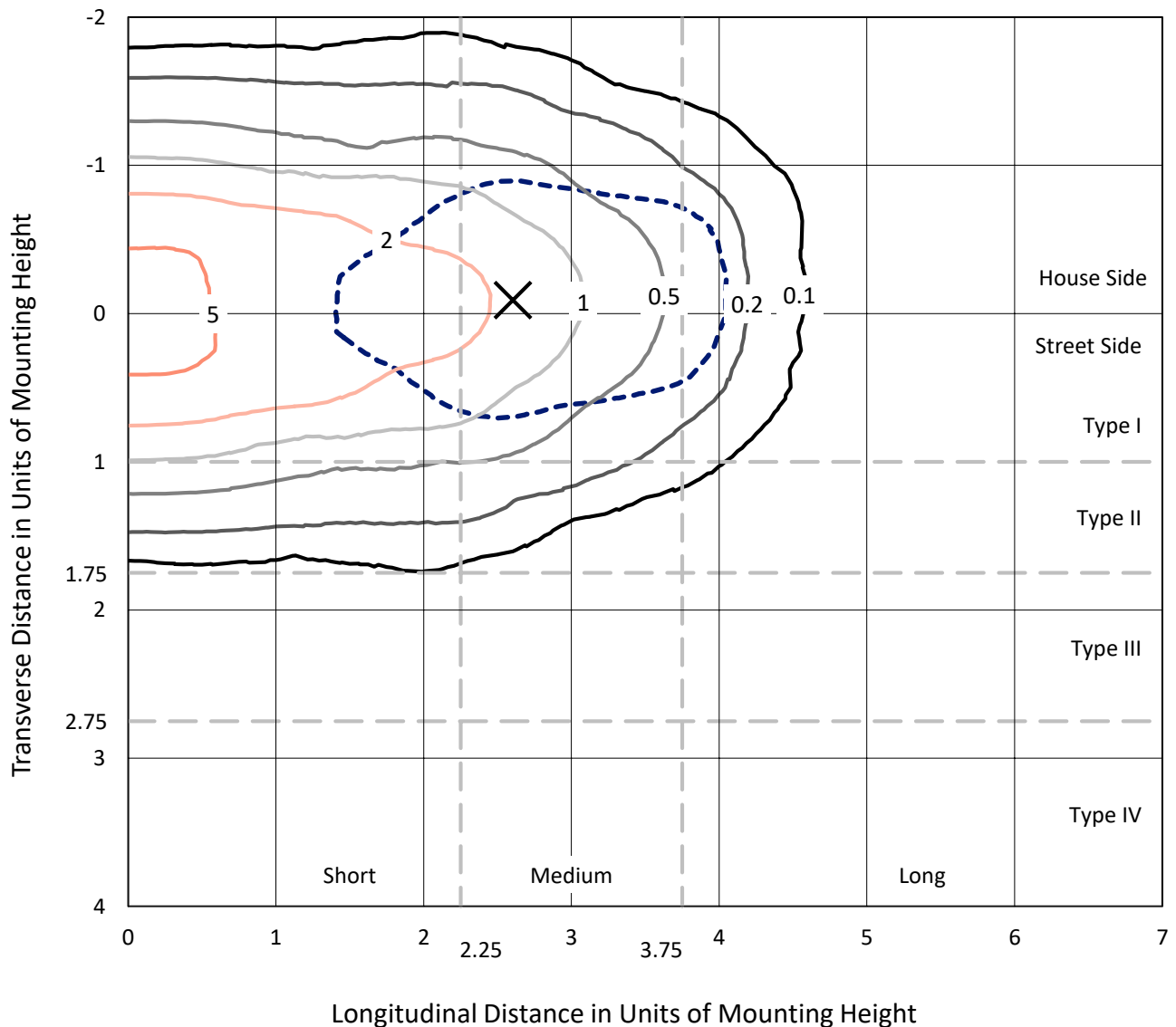
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: VTS-F06-LED-E1-RW-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

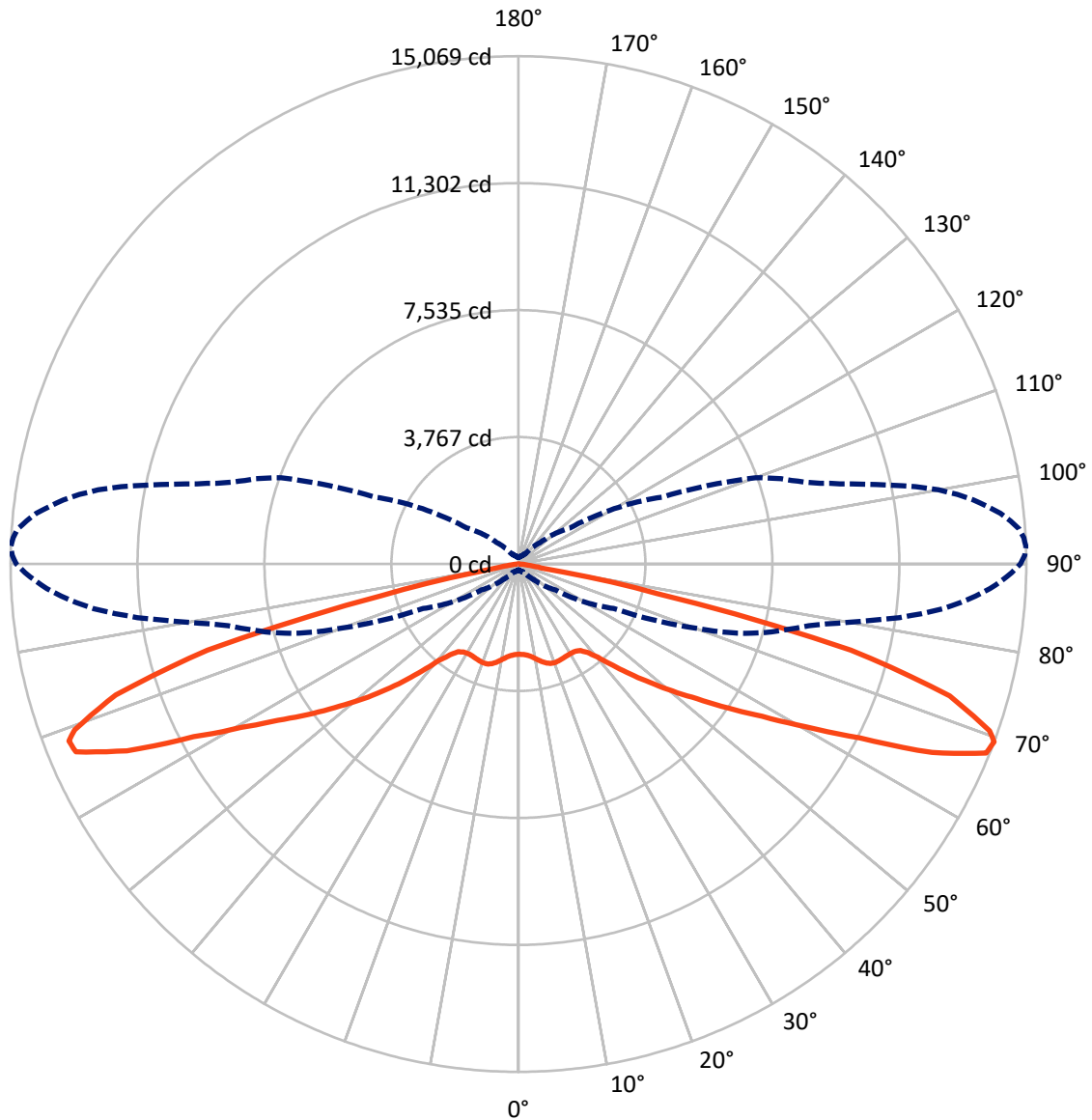


Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7474.8 | 0.0 | 7474.8 |
| | % Fixture | 53.0 | 0.0 | 53.0 |
| Street Side | Lumens | 6619.2 | 0.0 | 6619.2 |
| | % Fixture | 47.0 | 0.0 | 47.0 |
| Total | Lumens | 14094.0 | 0.0 | 14094.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 262.0 | 1.9 |
| 10°-20° | 827.6 | 5.9 |
| 20°-30° | 1342.7 | 9.5 |
| 30°-40° | 1673.3 | 11.9 |
| 40°-50° | 2083.5 | 14.8 |
| 50°-60° | 2569.4 | 18.2 |
| 60°-70° | 3191.1 | 22.6 |
| 70°-80° | 1960.7 | 13.9 |
| 80°-90° | 183.8 | 1.3 |
| 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° | 14094.0 | 100.0 |
| 0°-180° | 14094.0 | 100.0 |



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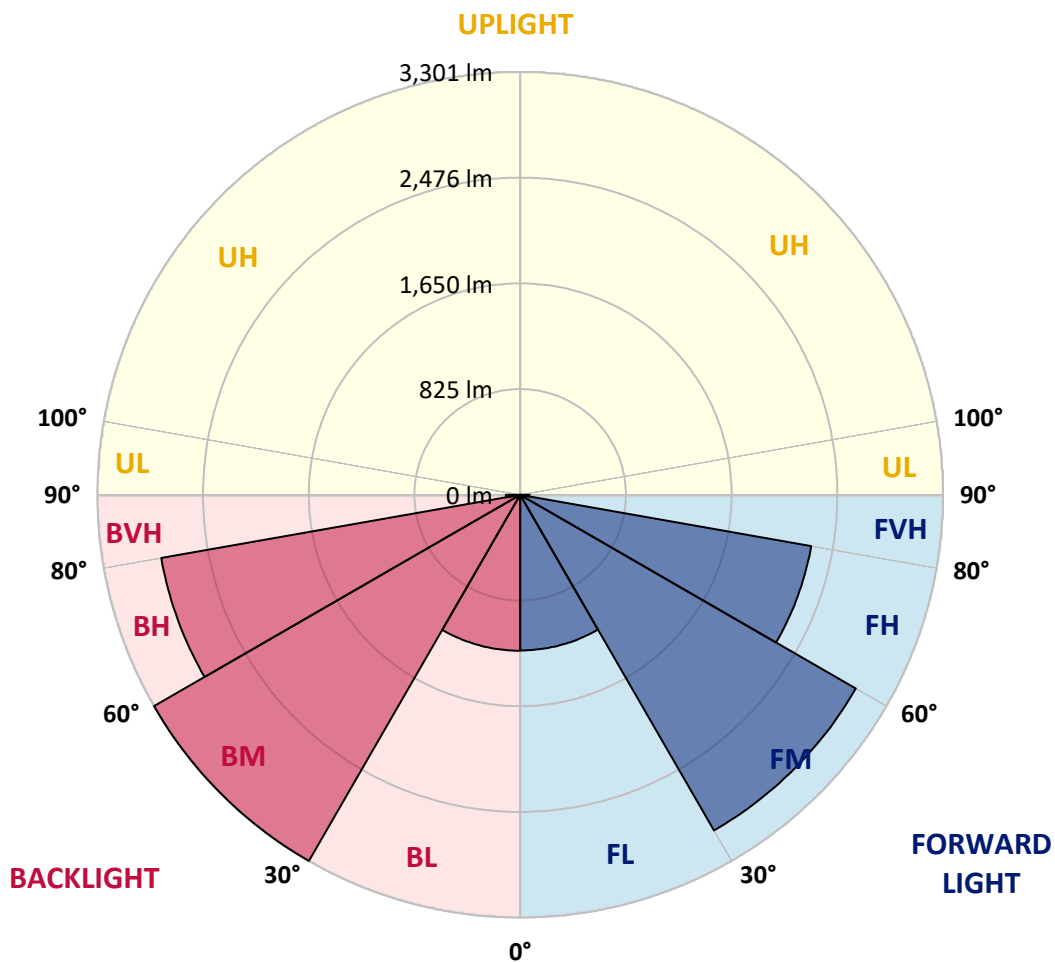
CATALOG NUMBER: VTS-F06-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1214.8 | 8.6 | | | |
| FM (30°-60°) | 3025.4 | 21.5 | | | |
| FH (60°-80°) | 2307.0 | 16.4 | | | G2/5000 |
| FVH (80°-90°) | 72.0 | 0.5 | | | G1/100 |
| BL (0°-30°) | 1217.4 | 8.6 | B3/2500 | | |
| BM (30°-60°) | 3300.8 | 23.4 | B3/5000 | | |
| BH (60°-80°) | 2844.8 | 20.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 111.8 | 0.8 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 71° | 72° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 |
| 2.5° | 2719.8 | 2712.6 | 2718.9 | 2719.8 | 2718.9 | 2718.9 | 2710.8 | 2708.9 | 2698.1 | 2700.8 | 2699.9 |
| 5° | 2756.9 | 2754.2 | 2758.7 | 2760.5 | 2762.3 | 2758.7 | 2752.4 | 2749.7 | 2742.4 | 2739.7 | 2738.8 |
| 7.5° | 2791.3 | 2786.8 | 2794.0 | 2800.3 | 2804.9 | 2805.8 | 2806.7 | 2802.1 | 2802.1 | 2798.5 | 2798.5 |
| 10° | 2820.2 | 2816.6 | 2828.4 | 2836.5 | 2851.0 | 2859.1 | 2868.2 | 2874.5 | 2878.1 | 2879.0 | 2878.1 |
| 12.5° | 2832.9 | 2830.2 | 2849.2 | 2873.6 | 2900.8 | 2919.8 | 2942.4 | 2958.7 | 2963.2 | 2962.3 | 2966.8 |
| 15° | 2811.2 | 2813.0 | 2842.0 | 2889.9 | 2947.8 | 2995.8 | 3027.4 | 3041.0 | 3044.6 | 3046.4 | 3047.3 |
| 17.5° | 2752.4 | 2756.0 | 2797.6 | 2875.4 | 2976.8 | 3063.6 | 3110.7 | 3110.7 | 3103.4 | 3103.4 | 3102.5 |
| 20° | 2658.3 | 2661.9 | 2716.2 | 2828.4 | 2977.7 | 3110.7 | 3177.6 | 3164.1 | 3136.9 | 3131.5 | 3126.1 |
| 22.5° | 2528.0 | 2542.5 | 2602.2 | 2732.5 | 2938.8 | 3124.2 | 3219.3 | 3199.3 | 3156.8 | 3145.1 | 3136.9 |
| 25° | 2380.5 | 2378.7 | 2450.2 | 2596.8 | 2844.7 | 3091.7 | 3231.0 | 3227.4 | 3182.2 | 3169.5 | 3155.0 |
| 27.5° | 2212.2 | 2217.6 | 2283.7 | 2432.1 | 2700.8 | 2997.6 | 3211.1 | 3259.1 | 3222.0 | 3209.3 | 3195.7 |
| 30° | 2039.4 | 2044.8 | 2107.3 | 2280.1 | 2537.0 | 2862.8 | 3170.4 | 3289.8 | 3275.3 | 3265.4 | 3256.3 |
| 32.5° | 1865.7 | 1867.5 | 1941.7 | 2127.2 | 2398.6 | 2701.7 | 3108.9 | 3317.9 | 3337.8 | 3333.3 | 3329.6 |
| 35° | 1702.8 | 1704.6 | 1785.2 | 1973.4 | 2262.0 | 2564.2 | 3034.7 | 3358.6 | 3422.8 | 3428.3 | 3431.9 |
| 37.5° | 1544.5 | 1547.2 | 1629.5 | 1826.8 | 2127.2 | 2460.1 | 2952.3 | 3421.0 | 3542.3 | 3562.2 | 3565.8 |
| 40° | 1387.0 | 1389.8 | 1468.5 | 1677.5 | 1990.5 | 2368.7 | 2889.0 | 3508.8 | 3703.3 | 3730.5 | 3758.5 |
| 42.5° | 1236.9 | 1246.8 | 1313.8 | 1513.7 | 1838.5 | 2255.6 | 2861.9 | 3615.5 | 3894.2 | 3936.8 | 3968.4 |
| 45° | 1096.6 | 1097.5 | 1173.5 | 1360.8 | 1658.5 | 2102.7 | 2843.8 | 3736.8 | 4107.8 | 4172.0 | 4215.4 |
| 47.5° | 946.4 | 957.3 | 1036.9 | 1218.8 | 1490.2 | 1913.6 | 2785.9 | 3878.8 | 4340.3 | 4415.4 | 4503.2 |
| 50° | 800.7 | 816.1 | 893.0 | 1073.1 | 1336.4 | 1718.2 | 2630.2 | 4045.3 | 4601.8 | 4699.5 | 4800.8 |
| 52.5° | 660.5 | 659.6 | 741.0 | 928.3 | 1181.7 | 1552.6 | 2377.8 | 4220.0 | 4904.0 | 5008.9 | 5118.4 |
| 55° | 499.4 | 499.4 | 580.0 | 751.0 | 1014.3 | 1405.1 | 2107.3 | 4328.5 | 5184.5 | 5311.1 | 5430.6 |
| 57.5° | 342.9 | 352.0 | 428.0 | 575.4 | 839.6 | 1270.3 | 1900.1 | 4266.1 | 5398.9 | 5556.3 | 5698.4 |
| 60° | 254.2 | 263.3 | 319.4 | 413.5 | 656.9 | 1111.1 | 1744.4 | 3972.0 | 5528.3 | 5737.3 | 5921.9 |
| 62.5° | 219.9 | 226.2 | 279.6 | 331.2 | 473.2 | 941.9 | 1606.9 | 3598.4 | 5714.7 | 6000.6 | 6257.5 |
| 65° | 196.3 | 202.7 | 256.1 | 285.9 | 370.1 | 757.3 | 1530.0 | 3384.8 | 5937.2 | 6374.3 | 6747.0 |
| 67.5° | 181.9 | 189.1 | 234.3 | 256.1 | 323.0 | 684.9 | 1470.3 | 3335.1 | 5935.4 | 6465.6 | 6941.6 |
| 69° | 174.6 | 180.1 | 217.2 | 240.7 | 312.2 | 663.2 | 1340.9 | 3118.8 | 5543.7 | 6112.8 | 6590.5 |
| 70° | 170.1 | 175.5 | 207.2 | 230.7 | 308.5 | 624.3 | 1221.5 | 2832.9 | 5097.6 | 5670.3 | 6155.3 |
| 72.5° | 155.6 | 161.1 | 184.6 | 206.3 | 257.0 | 417.1 | 851.4 | 1813.2 | 3642.7 | 4051.7 | 4606.3 |
| 75° | 137.5 | 143.9 | 162.0 | 180.1 | 194.5 | 241.6 | 491.3 | 941.0 | 2082.8 | 2393.2 | 2887.2 |
| 77.5° | 112.2 | 118.5 | 137.5 | 166.5 | 164.7 | 183.7 | 319.4 | 578.2 | 975.4 | 1209.7 | 1392.5 |
| 80° | 92.3 | 96.8 | 113.1 | 168.3 | 134.8 | 153.8 | 258.8 | 474.1 | 686.7 | 759.1 | 802.6 |
| 82.5° | 61.5 | 67.9 | 87.8 | 132.1 | 103.1 | 109.5 | 193.6 | 443.3 | 580.9 | 637.0 | 689.5 |
| 85° | 29.0 | 31.7 | 53.4 | 70.6 | 62.4 | 58.8 | 110.4 | 313.1 | 432.5 | 458.7 | 478.6 |
| 87.5° | 0.0 | 0.0 | 2.7 | 5.4 | 8.1 | 8.1 | 19.9 | 66.0 | 121.2 | 146.6 | 144.8 |
| 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):

| | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 |
| 2.5° | 2696.3 | 2697.2 | 2696.3 | 2696.3 | 2695.4 | 2693.6 | 2693.6 | 2691.8 | 2692.7 | 2691.8 | 2693.6 |
| 5° | 2737.9 | 2737.9 | 2735.2 | 2733.4 | 2736.1 | 2733.4 | 2734.3 | 2729.8 | 2729.8 | 2727.0 | 2723.4 |
| 7.5° | 2797.6 | 2797.6 | 2798.5 | 2793.1 | 2796.7 | 2797.6 | 2794.9 | 2793.1 | 2791.3 | 2786.8 | 2787.7 |
| 10° | 2877.2 | 2877.2 | 2880.0 | 2872.7 | 2876.3 | 2878.1 | 2879.0 | 2879.0 | 2877.2 | 2869.1 | 2870.0 |
| 12.5° | 2965.9 | 2964.1 | 2965.0 | 2961.4 | 2965.0 | 2966.8 | 2968.6 | 2966.8 | 2966.8 | 2965.0 | 2964.1 |
| 15° | 3046.4 | 3045.5 | 3047.3 | 3044.6 | 3045.5 | 3047.3 | 3052.8 | 3051.9 | 3051.0 | 3045.5 | 3045.5 |
| 17.5° | 3101.6 | 3098.9 | 3097.1 | 3096.2 | 3096.2 | 3095.3 | 3096.2 | 3096.2 | 3093.5 | 3092.6 | 3092.6 |
| 20° | 3122.4 | 3115.2 | 3110.7 | 3108.0 | 3104.3 | 3102.5 | 3100.7 | 3101.6 | 3099.8 | 3097.1 | 3098.0 |
| 22.5° | 3126.1 | 3116.1 | 3107.1 | 3098.9 | 3091.7 | 3087.2 | 3082.6 | 3080.8 | 3076.3 | 3073.6 | 3073.6 |
| 25° | 3143.2 | 3127.9 | 3113.4 | 3099.8 | 3089.0 | 3079.0 | 3069.1 | 3061.8 | 3056.4 | 3050.1 | 3048.2 |
| 27.5° | 3181.2 | 3165.0 | 3147.8 | 3130.6 | 3116.1 | 3096.2 | 3082.6 | 3068.2 | 3055.5 | 3045.5 | 3038.3 |
| 30° | 3240.1 | 3223.8 | 3206.6 | 3186.7 | 3167.7 | 3146.9 | 3124.2 | 3107.1 | 3089.0 | 3069.1 | 3058.2 |
| 32.5° | 3317.9 | 3307.0 | 3289.8 | 3270.8 | 3253.6 | 3231.9 | 3204.8 | 3178.5 | 3161.3 | 3137.8 | 3120.6 |
| 35° | 3429.2 | 3416.5 | 3411.1 | 3402.9 | 3385.7 | 3372.2 | 3342.3 | 3317.9 | 3301.6 | 3269.0 | 3256.3 |
| 37.5° | 3581.2 | 3580.3 | 3584.8 | 3582.1 | 3584.8 | 3567.6 | 3554.0 | 3553.1 | 3529.6 | 3497.9 | 3467.2 |
| 40° | 3788.4 | 3799.2 | 3823.7 | 3840.8 | 3857.1 | 3858.9 | 3877.9 | 3858.0 | 3860.7 | 3856.2 | 3824.6 |
| 42.5° | 4024.5 | 4061.6 | 4090.6 | 4141.2 | 4180.1 | 4216.3 | 4240.8 | 4274.2 | 4299.6 | 4322.2 | 4327.6 |
| 45° | 4287.8 | 4343.0 | 4410.0 | 4455.2 | 4531.2 | 4591.8 | 4675.1 | 4739.3 | 4806.3 | 4872.3 | 4895.8 |
| 47.5° | 4573.7 | 4642.5 | 4716.7 | 4800.8 | 4896.7 | 4991.7 | 5120.2 | 5218.8 | 5326.5 | 5416.1 | 5495.7 |
| 50° | 4889.5 | 4961.0 | 5060.5 | 5157.3 | 5289.4 | 5398.9 | 5567.2 | 5696.6 | 5870.3 | 5989.7 | 6092.9 |
| 52.5° | 5218.8 | 5308.4 | 5419.7 | 5526.5 | 5661.3 | 5801.5 | 5988.8 | 6179.7 | 6388.7 | 6569.7 | 6719.9 |
| 55° | 5540.9 | 5651.3 | 5758.1 | 5883.0 | 6032.2 | 6195.1 | 6406.8 | 6658.4 | 6918.9 | 7126.1 | 7325.2 |
| 57.5° | 5827.8 | 5955.3 | 6081.1 | 6207.8 | 6360.7 | 6549.8 | 6787.8 | 7059.2 | 7357.8 | 7633.7 | 7907.0 |
| 60° | 6093.8 | 6246.7 | 6400.5 | 6558.8 | 6734.4 | 6967.8 | 7253.7 | 7587.6 | 7973.9 | 8351.2 | 8708.6 |
| 62.5° | 6514.5 | 6715.4 | 6906.3 | 7110.8 | 7322.5 | 7596.6 | 7934.1 | 8372.0 | 8815.4 | 9286.8 | 9653.2 |
| 65° | 7084.5 | 7366.8 | 7616.5 | 7881.6 | 8155.8 | 8522.2 | 8925.8 | 9449.6 | 10084.8 | 10568.0 | 11156.1 |
| 67.5° | 7367.7 | 7739.6 | 8060.8 | 8355.8 | 8695.1 | 9065.1 | 9544.7 | 10164.4 | 10842.1 | 11542.4 | 12198.4 |
| 69° | 7034.8 | 7418.4 | 7774.0 | 8104.2 | 8447.1 | 8806.3 | 9307.6 | 9943.7 | 10660.3 | 11417.6 | 12058.2 |
| 70° | 6603.2 | 6986.8 | 7365.9 | 7742.3 | 8055.4 | 8405.5 | 8908.6 | 9564.6 | 10280.2 | 11067.4 | 11702.6 |
| 72.5° | 5058.7 | 5520.1 | 5863.1 | 6215.9 | 6578.7 | 6875.5 | 7456.4 | 8009.2 | 8754.8 | 9553.7 | 10253.1 |
| 75° | 3236.4 | 3660.8 | 4035.4 | 4335.8 | 4690.4 | 5046.0 | 5474.9 | 6089.3 | 6556.1 | 7212.1 | 7779.4 |
| 77.5° | 1663.0 | 1788.8 | 2149.8 | 2257.5 | 2503.6 | 2697.2 | 2933.3 | 3087.2 | 3467.2 | 3547.7 | 3882.5 |
| 80° | 788.1 | 710.3 | 668.6 | 630.6 | 641.5 | 637.0 | 618.0 | 592.6 | 624.3 | 610.7 | 605.3 |
| 82.5° | 686.7 | 612.5 | 488.6 | 415.3 | 359.2 | 304.9 | 262.4 | 240.7 | 243.4 | 250.6 | 253.3 |
| 85° | 481.3 | 452.4 | 352.9 | 267.8 | 209.0 | 162.0 | 130.3 | 124.9 | 128.5 | 138.4 | 134.8 |
| 87.5° | 139.3 | 145.7 | 128.5 | 89.6 | 62.4 | 45.2 | 35.3 | 39.8 | 38.0 | 37.1 | 38.9 |
| 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-F06-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 |
| 2.5° | 2693.6 | 2692.7 | 2689.9 | 2687.2 | 2687.2 | 2685.4 | 2687.2 | 2688.1 | 2687.2 | 2687.2 | 2685.4 |
| 5° | 2724.3 | 2725.2 | 2727.9 | 2722.5 | 2721.6 | 2722.5 | 2718.9 | 2718.0 | 2715.3 | 2718.0 | 2714.4 |
| 7.5° | 2783.1 | 2785.9 | 2785.9 | 2782.2 | 2781.3 | 2784.0 | 2778.6 | 2776.8 | 2774.1 | 2773.2 | 2772.3 |
| 10° | 2870.9 | 2873.6 | 2869.1 | 2866.4 | 2863.7 | 2867.3 | 2862.8 | 2862.8 | 2860.0 | 2857.3 | 2856.4 |
| 12.5° | 2968.6 | 2966.8 | 2965.0 | 2966.8 | 2964.1 | 2964.1 | 2961.4 | 2959.6 | 2958.7 | 2957.8 | 2956.0 |
| 15° | 3044.6 | 3051.0 | 3051.0 | 3052.8 | 3051.0 | 3051.0 | 3047.3 | 3048.2 | 3046.4 | 3045.5 | 3046.4 |
| 17.5° | 3093.5 | 3095.3 | 3099.8 | 3102.5 | 3102.5 | 3103.4 | 3101.6 | 3103.4 | 3101.6 | 3101.6 | 3105.2 |
| 20° | 3099.8 | 3101.6 | 3106.2 | 3110.7 | 3113.4 | 3115.2 | 3115.2 | 3117.9 | 3119.7 | 3121.5 | 3126.1 |
| 22.5° | 3074.5 | 3077.2 | 3082.6 | 3090.8 | 3095.3 | 3097.1 | 3100.7 | 3105.2 | 3109.8 | 3113.4 | 3119.7 |
| 25° | 3048.2 | 3049.1 | 3054.6 | 3062.7 | 3068.2 | 3072.7 | 3079.0 | 3084.4 | 3090.8 | 3098.0 | 3105.2 |
| 27.5° | 3033.8 | 3032.9 | 3037.4 | 3045.5 | 3050.1 | 3056.4 | 3061.8 | 3070.0 | 3077.2 | 3086.2 | 3092.6 |
| 30° | 3046.4 | 3039.2 | 3040.1 | 3043.7 | 3047.3 | 3051.9 | 3058.2 | 3065.4 | 3073.6 | 3081.7 | 3089.0 |
| 32.5° | 3102.5 | 3086.2 | 3075.4 | 3072.7 | 3073.6 | 3074.5 | 3078.1 | 3082.6 | 3089.0 | 3095.3 | 3098.0 |
| 35° | 3223.8 | 3195.7 | 3181.2 | 3169.5 | 3159.5 | 3151.4 | 3153.2 | 3152.3 | 3152.3 | 3157.7 | 3151.4 |
| 37.5° | 3454.5 | 3419.2 | 3403.8 | 3383.0 | 3371.3 | 3341.4 | 3333.3 | 3331.4 | 3319.7 | 3319.7 | 3306.1 |
| 40° | 3816.4 | 3795.6 | 3783.8 | 3764.8 | 3707.8 | 3715.1 | 3674.4 | 3675.3 | 3641.8 | 3645.4 | 3621.9 |
| 42.5° | 4331.2 | 4334.0 | 4319.5 | 4306.8 | 4262.5 | 4242.6 | 4204.6 | 4150.3 | 4107.8 | 4106.9 | 4059.8 |
| 45° | 4926.6 | 4959.2 | 4913.0 | 4929.3 | 4890.4 | 4837.0 | 4792.7 | 4723.0 | 4657.0 | 4636.2 | 4588.2 |
| 47.5° | 5549.1 | 5602.5 | 5567.2 | 5573.5 | 5554.5 | 5478.5 | 5418.8 | 5332.8 | 5246.9 | 5189.0 | 5160.0 |
| 50° | 6214.1 | 6249.4 | 6248.5 | 6231.3 | 6222.3 | 6148.1 | 6052.2 | 5987.0 | 5923.7 | 5845.9 | 5820.5 |
| 52.5° | 6816.7 | 6899.0 | 6954.2 | 6941.6 | 6915.3 | 6871.0 | 6785.9 | 6729.8 | 6636.7 | 6625.8 | 6636.7 |
| 55° | 7461.8 | 7568.6 | 7624.7 | 7692.5 | 7693.4 | 7685.3 | 7650.0 | 7629.2 | 7542.3 | 7552.3 | 7539.6 |
| 57.5° | 8072.6 | 8229.1 | 8315.0 | 8459.8 | 8509.6 | 8575.6 | 8551.2 | 8578.3 | 8525.9 | 8560.2 | 8550.3 |
| 60° | 8900.4 | 9117.6 | 9260.5 | 9458.7 | 9551.0 | 9716.6 | 9749.1 | 9769.0 | 9798.0 | 9868.6 | 9828.8 |
| 62.5° | 9941.9 | 10260.3 | 10557.1 | 10826.7 | 10915.4 | 11164.2 | 11204.9 | 11360.6 | 11368.7 | 11416.7 | 11328.9 |
| 65° | 11646.5 | 12034.6 | 12361.3 | 12684.3 | 12870.7 | 13162.0 | 13279.6 | 13581.8 | 13489.5 | 13528.5 | 13341.2 |
| 67.5° | 12763.0 | 13214.5 | 13652.4 | 13958.2 | 14267.7 | 14565.3 | 14779.8 | 14975.2 | 14973.4 | 14935.4 | 14768.9 |
| 69° | 12664.4 | 13167.4 | 13599.0 | 14008.9 | 14334.6 | 14640.4 | 14898.3 | 15025.0 | 15069.3 | 15014.1 | 14895.6 |
| 70° | 12323.3 | 12839.9 | 13368.3 | 13705.8 | 14060.5 | 14396.1 | 14662.2 | 14800.6 | 14831.4 | 14792.4 | 14690.2 |
| 72.5° | 10747.1 | 11242.9 | 11825.6 | 12132.4 | 12561.2 | 12803.7 | 13170.2 | 13349.3 | 13381.0 | 13331.2 | 13264.3 |
| 75° | 8387.4 | 8477.0 | 9070.5 | 9266.0 | 9577.2 | 9856.8 | 10084.8 | 10026.9 | 10188.9 | 10157.2 | 10131.9 |
| 77.5° | 3951.2 | 3712.4 | 4096.9 | 4276.0 | 4181.9 | 3931.3 | 4296.0 | 4032.7 | 4207.3 | 4434.4 | 4376.5 |
| 80° | 651.5 | 649.6 | 666.8 | 704.8 | 659.6 | 700.3 | 699.4 | 679.5 | 681.3 | 730.2 | 704.8 |
| 82.5° | 250.6 | 256.1 | 258.8 | 266.0 | 266.0 | 266.9 | 271.4 | 276.9 | 272.3 | 281.4 | 279.6 |
| 85° | 135.7 | 144.8 | 136.6 | 130.3 | 134.8 | 137.5 | 141.1 | 145.7 | 141.1 | 154.7 | 147.5 |
| 87.5° | 35.3 | 37.1 | 32.6 | 32.6 | 31.7 | 29.0 | 29.0 | 30.8 | 33.5 | 39.8 | 43.4 |
| 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: P157914

CATALOG NUMBER: VTS-F06-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 95° | 96° | 97° | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 |
| 2.5° | 2681.8 | 2682.7 | 2683.6 | 2680.9 | 2679.1 | 2679.1 | 2678.2 | 2676.4 | 2675.5 | 2675.5 | 2675.5 |
| 5° | 2712.6 | 2714.4 | 2709.9 | 2708.9 | 2707.1 | 2705.3 | 2705.3 | 2703.5 | 2704.4 | 2704.4 | 2699.9 |
| 7.5° | 2774.1 | 2771.4 | 2765.9 | 2762.3 | 2765.9 | 2759.6 | 2756.9 | 2758.7 | 2756.9 | 2757.8 | 2756.0 |
| 10° | 2856.4 | 2856.4 | 2850.1 | 2853.7 | 2849.2 | 2842.0 | 2844.7 | 2842.0 | 2840.1 | 2833.8 | 2837.4 |
| 12.5° | 2958.7 | 2956.0 | 2952.3 | 2944.2 | 2941.5 | 2940.6 | 2932.4 | 2933.3 | 2930.6 | 2928.8 | 2926.1 |
| 15° | 3048.2 | 3047.3 | 3039.2 | 3034.7 | 3033.8 | 3030.1 | 3026.5 | 3024.7 | 3020.2 | 3019.3 | 3017.5 |
| 17.5° | 3108.0 | 3105.2 | 3101.6 | 3097.1 | 3097.1 | 3091.7 | 3089.9 | 3085.3 | 3084.4 | 3081.7 | 3079.0 |
| 20° | 3127.9 | 3128.8 | 3125.2 | 3121.5 | 3119.7 | 3116.1 | 3113.4 | 3109.8 | 3108.0 | 3104.3 | 3101.6 |
| 22.5° | 3123.3 | 3123.3 | 3119.7 | 3118.8 | 3115.2 | 3109.8 | 3106.2 | 3101.6 | 3097.1 | 3092.6 | 3087.2 |
| 25° | 3108.9 | 3108.0 | 3105.2 | 3100.7 | 3096.2 | 3088.1 | 3080.8 | 3073.6 | 3067.2 | 3061.8 | 3053.7 |
| 27.5° | 3096.2 | 3094.4 | 3089.0 | 3082.6 | 3073.6 | 3064.5 | 3051.0 | 3041.0 | 3032.9 | 3025.6 | 3016.6 |
| 30° | 3091.7 | 3085.3 | 3077.2 | 3067.2 | 3056.4 | 3042.8 | 3028.3 | 3015.7 | 3006.6 | 2999.4 | 2995.8 |
| 32.5° | 3097.1 | 3089.0 | 3076.3 | 3063.6 | 3050.1 | 3033.8 | 3019.3 | 3008.4 | 3000.3 | 2998.5 | 2998.5 |
| 35° | 3146.9 | 3133.3 | 3116.1 | 3098.0 | 3080.8 | 3067.2 | 3057.3 | 3056.4 | 3051.0 | 3057.3 | 3067.2 |
| 37.5° | 3292.5 | 3280.8 | 3254.5 | 3231.0 | 3219.3 | 3212.9 | 3203.9 | 3205.7 | 3193.0 | 3212.9 | 3229.2 |
| 40° | 3602.0 | 3587.5 | 3556.7 | 3537.7 | 3514.2 | 3491.6 | 3509.7 | 3504.3 | 3513.3 | 3509.7 | 3526.9 |
| 42.5° | 4053.5 | 4039.0 | 3990.1 | 3982.9 | 3972.9 | 3963.9 | 3963.9 | 3956.7 | 3953.0 | 3965.7 | 3951.2 |
| 45° | 4602.7 | 4573.7 | 4555.6 | 4577.3 | 4547.5 | 4556.5 | 4588.2 | 4545.7 | 4555.6 | 4496.8 | 4442.5 |
| 47.5° | 5172.7 | 5170.0 | 5165.5 | 5191.7 | 5196.2 | 5209.8 | 5227.0 | 5183.6 | 5104.8 | 5060.5 | 4950.1 |
| 50° | 5828.7 | 5856.7 | 5867.6 | 5892.9 | 5903.8 | 5913.7 | 5886.6 | 5822.3 | 5689.3 | 5571.7 | 5441.4 |
| 52.5° | 6625.8 | 6576.9 | 6643.9 | 6668.3 | 6657.5 | 6617.6 | 6519.9 | 6441.2 | 6257.5 | 6088.3 | 5886.6 |
| 55° | 7554.1 | 7565.9 | 7518.8 | 7499.8 | 7462.7 | 7352.3 | 7217.5 | 7040.2 | 6807.7 | 6586.9 | 6331.7 |
| 57.5° | 8499.6 | 8495.1 | 8421.8 | 8318.7 | 8192.9 | 8059.9 | 7859.0 | 7604.8 | 7333.3 | 7036.6 | 6728.0 |
| 60° | 9649.6 | 9645.1 | 9496.7 | 9320.3 | 9141.1 | 8926.7 | 8611.8 | 8306.0 | 7942.3 | 7552.3 | 7185.0 |
| 62.5° | 11160.6 | 10966.1 | 10820.4 | 10557.1 | 10280.2 | 9999.8 | 9573.6 | 9167.4 | 8681.5 | 8189.3 | 7760.4 |
| 65° | 13096.9 | 12776.6 | 12611.0 | 12229.2 | 11800.3 | 11362.4 | 10929.0 | 10395.2 | 9741.0 | 9145.6 | 8621.8 |
| 67.5° | 14529.2 | 14236.0 | 13932.9 | 13552.0 | 13081.5 | 12592.9 | 11999.4 | 11327.1 | 10584.3 | 9916.5 | 9345.6 |
| 69° | 14654.9 | 14380.8 | 14017.0 | 13635.2 | 13190.1 | 12658.9 | 12011.1 | 11258.3 | 10505.5 | 9829.7 | 9267.8 |
| 70° | 14464.0 | 14172.7 | 13789.9 | 13392.7 | 12895.1 | 12393.8 | 11715.2 | 10930.8 | 10177.1 | 9499.4 | 8951.1 |
| 72.5° | 13039.9 | 12755.8 | 12348.6 | 11873.6 | 11363.3 | 10934.4 | 10290.2 | 9472.3 | 8652.5 | 8026.4 | 7599.3 |
| 75° | 9915.6 | 9853.2 | 9564.6 | 9287.7 | 8886.0 | 8407.3 | 7818.3 | 7268.2 | 6595.9 | 5933.6 | 5535.5 |
| 77.5° | 4230.8 | 4374.7 | 4524.9 | 4546.6 | 4561.1 | 4413.6 | 4322.2 | 4183.8 | 3734.1 | 3529.6 | 3318.8 |
| 80° | 781.7 | 698.5 | 745.5 | 751.0 | 781.7 | 798.0 | 857.7 | 1017.0 | 1035.1 | 1074.0 | 1121.9 |
| 82.5° | 277.8 | 282.3 | 289.5 | 292.2 | 295.0 | 305.8 | 346.5 | 415.3 | 477.7 | 559.2 | 667.7 |
| 85° | 157.4 | 160.1 | 166.5 | 171.9 | 175.5 | 186.4 | 209.0 | 249.7 | 311.2 | 404.4 | 548.3 |
| 87.5° | 48.0 | 54.3 | 57.9 | 65.1 | 67.9 | 69.7 | 79.6 | 106.8 | 137.5 | 203.6 | 296.8 |
| 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: P157914

CATALOG NUMBER: VTS-F06-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 106° | 107° | 108° | 109° | 110° | 115° | 125° | 135° | 145° | 155° | 165° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 | 2677.3 |
| 2.5° | 2675.5 | 2674.6 | 2672.8 | 2670.9 | 2671.9 | 2670.0 | 2664.6 | 2662.8 | 2656.5 | 2651.9 | 2648.3 |
| 5° | 2699.9 | 2699.0 | 2695.4 | 2696.3 | 2695.4 | 2686.3 | 2680.0 | 2669.1 | 2662.8 | 2652.9 | 2649.2 |
| 7.5° | 2750.6 | 2749.7 | 2743.3 | 2746.0 | 2744.2 | 2730.7 | 2719.8 | 2702.6 | 2693.6 | 2680.9 | 2670.9 |
| 10° | 2826.6 | 2826.6 | 2819.3 | 2820.2 | 2820.2 | 2802.1 | 2783.1 | 2754.2 | 2733.4 | 2713.5 | 2696.3 |
| 12.5° | 2918.9 | 2915.2 | 2914.3 | 2909.8 | 2906.2 | 2886.3 | 2857.3 | 2818.4 | 2779.5 | 2746.9 | 2723.4 |
| 15° | 3012.1 | 3006.6 | 3003.9 | 2998.5 | 2994.0 | 2975.9 | 2937.0 | 2889.0 | 2836.5 | 2784.0 | 2745.1 |
| 17.5° | 3072.7 | 3069.1 | 3063.6 | 3061.8 | 3055.5 | 3037.4 | 3010.2 | 2962.3 | 2897.1 | 2823.9 | 2765.0 |
| 20° | 3095.3 | 3089.0 | 3085.3 | 3081.7 | 3078.1 | 3065.4 | 3065.4 | 3034.7 | 2962.3 | 2859.1 | 2769.6 |
| 22.5° | 3080.8 | 3077.2 | 3071.8 | 3069.1 | 3065.4 | 3067.2 | 3102.5 | 3098.0 | 3014.8 | 2867.3 | 2737.0 |
| 25° | 3047.3 | 3042.8 | 3038.3 | 3038.3 | 3037.4 | 3056.4 | 3141.4 | 3153.2 | 3030.1 | 2827.5 | 2665.5 |
| 27.5° | 3013.0 | 3006.6 | 3008.4 | 3009.3 | 3013.9 | 3054.6 | 3184.0 | 3167.7 | 2988.5 | 2731.6 | 2542.5 |
| 30° | 2992.1 | 2992.1 | 2996.7 | 3003.9 | 3013.0 | 3084.4 | 3217.4 | 3135.1 | 2880.9 | 2586.8 | 2379.6 |
| 32.5° | 3001.2 | 3010.2 | 3020.2 | 3038.3 | 3051.9 | 3150.5 | 3229.2 | 3051.0 | 2724.3 | 2407.7 | 2209.5 |
| 35° | 3081.7 | 3092.6 | 3111.6 | 3139.6 | 3155.9 | 3245.5 | 3229.2 | 2927.9 | 2542.5 | 2253.8 | 2034.0 |
| 37.5° | 3257.3 | 3268.1 | 3290.7 | 3312.4 | 3328.7 | 3364.9 | 3215.6 | 2771.4 | 2390.5 | 2094.6 | 1876.5 |
| 40° | 3539.5 | 3554.9 | 3571.2 | 3567.6 | 3556.7 | 3521.5 | 3188.5 | 2625.7 | 2250.2 | 1955.3 | 1721.8 |
| 42.5° | 3936.8 | 3922.3 | 3920.5 | 3885.2 | 3849.0 | 3697.9 | 3168.6 | 2530.7 | 2129.9 | 1808.7 | 1568.0 |
| 45° | 4395.5 | 4336.7 | 4276.0 | 4229.0 | 4173.8 | 3891.5 | 3163.2 | 2453.8 | 1996.9 | 1645.8 | 1400.6 |
| 47.5° | 4856.9 | 4762.8 | 4645.2 | 4571.9 | 4482.3 | 4097.8 | 3179.4 | 2350.7 | 1825.9 | 1468.5 | 1244.1 |
| 50° | 5309.3 | 5155.5 | 5009.8 | 4922.1 | 4820.7 | 4334.9 | 3205.7 | 2176.9 | 1621.4 | 1307.4 | 1101.1 |
| 52.5° | 5728.2 | 5530.1 | 5380.8 | 5277.7 | 5153.7 | 4610.8 | 3182.2 | 1948.9 | 1444.0 | 1152.7 | 965.4 |
| 55° | 6126.3 | 5907.4 | 5752.7 | 5644.1 | 5498.4 | 4887.7 | 3012.1 | 1741.7 | 1274.9 | 1001.6 | 812.5 |
| 57.5° | 6474.7 | 6264.8 | 6103.7 | 5956.2 | 5833.2 | 5128.4 | 2676.4 | 1570.7 | 1112.0 | 828.8 | 646.9 |
| 60° | 6881.8 | 6645.7 | 6454.8 | 6297.4 | 6152.6 | 5252.3 | 2300.0 | 1418.7 | 938.3 | 641.5 | 467.8 |
| 62.5° | 7431.1 | 7159.6 | 6938.9 | 6758.8 | 6569.7 | 5279.5 | 2043.0 | 1266.7 | 744.6 | 464.2 | 340.2 |
| 65° | 8245.4 | 7910.6 | 7634.6 | 7386.7 | 7130.7 | 5167.3 | 1916.3 | 1101.1 | 553.7 | 344.7 | 285.0 |
| 67.5° | 8892.3 | 8544.9 | 8225.5 | 7907.0 | 7579.4 | 4959.2 | 1888.3 | 948.2 | 425.3 | 293.2 | 256.1 |
| 69° | 8813.6 | 8482.4 | 8189.3 | 7844.5 | 7481.7 | 4697.7 | 1860.3 | 889.4 | 388.2 | 272.3 | 242.5 |
| 70° | 8510.5 | 8196.5 | 7898.8 | 7618.4 | 7174.1 | 4406.3 | 1786.1 | 856.8 | 373.7 | 262.4 | 232.5 |
| 72.5° | 7191.3 | 6827.6 | 6538.9 | 6189.7 | 5721.9 | 3274.4 | 1354.5 | 693.1 | 342.9 | 239.8 | 209.9 |
| 75° | 5245.1 | 4943.8 | 4656.1 | 4269.7 | 3814.6 | 1894.6 | 843.3 | 396.3 | 251.5 | 217.2 | 190.0 |
| 77.5° | 3062.7 | 2994.9 | 2717.1 | 2462.8 | 2012.3 | 964.5 | 484.1 | 237.1 | 195.4 | 197.2 | 167.4 |
| 80° | 1152.7 | 1227.8 | 1255.9 | 1168.1 | 1079.4 | 665.9 | 352.0 | 192.7 | 170.1 | 194.5 | 142.1 |
| 82.5° | 840.6 | 975.4 | 991.7 | 950.0 | 884.0 | 620.7 | 281.4 | 154.7 | 138.4 | 209.0 | 122.1 |
| 85° | 701.2 | 776.3 | 788.1 | 744.6 | 722.9 | 525.7 | 196.3 | 108.6 | 101.3 | 150.2 | 91.4 |
| 87.5° | 354.7 | 373.7 | 383.6 | 347.4 | 349.2 | 245.2 | 78.7 | 46.1 | 55.2 | 64.2 | 50.7 |
| 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: P157914

CATALOG NUMBER: VTS-F06-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|--------|--------|
| 0° | 2677.3 | 2677.3 |
| 2.5° | 2640.2 | 2645.6 |
| 5° | 2643.8 | 2643.8 |
| 7.5° | 2664.6 | 2664.6 |
| 10° | 2687.2 | 2688.1 |
| 12.5° | 2708.0 | 2707.1 |
| 15° | 2724.3 | 2721.6 |
| 17.5° | 2734.3 | 2731.6 |
| 20° | 2724.3 | 2719.8 |
| 22.5° | 2673.7 | 2661.0 |
| 25° | 2581.4 | 2565.1 |
| 27.5° | 2459.2 | 2448.4 |
| 30° | 2300.0 | 2283.7 |
| 32.5° | 2113.6 | 2105.5 |
| 35° | 1935.4 | 1925.4 |
| 37.5° | 1772.5 | 1769.8 |
| 40° | 1635.0 | 1620.5 |
| 42.5° | 1473.9 | 1467.6 |
| 45° | 1310.1 | 1306.5 |
| 47.5° | 1156.3 | 1152.7 |
| 50° | 1014.3 | 1007.0 |
| 52.5° | 874.9 | 863.2 |
| 55° | 720.2 | 712.1 |
| 57.5° | 552.8 | 545.6 |
| 60° | 389.1 | 380.9 |
| 62.5° | 276.9 | 267.8 |
| 65° | 230.7 | 223.5 |
| 67.5° | 209.0 | 200.9 |
| 69° | 199.1 | 191.8 |
| 70° | 192.7 | 187.3 |
| 72.5° | 179.1 | 175.5 |
| 75° | 163.8 | 161.1 |
| 77.5° | 143.9 | 139.3 |
| 80° | 120.3 | 115.8 |
| 82.5° | 101.3 | 96.8 |
| 85° | 67.9 | 61.5 |
| 87.5° | 30.8 | 27.1 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)