

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: P158570

Luminaire Tested: **VTS-E06-LED-E1-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158570  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33714)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E06-LED-E1-SL4  
Description: VENTUS LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (126) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

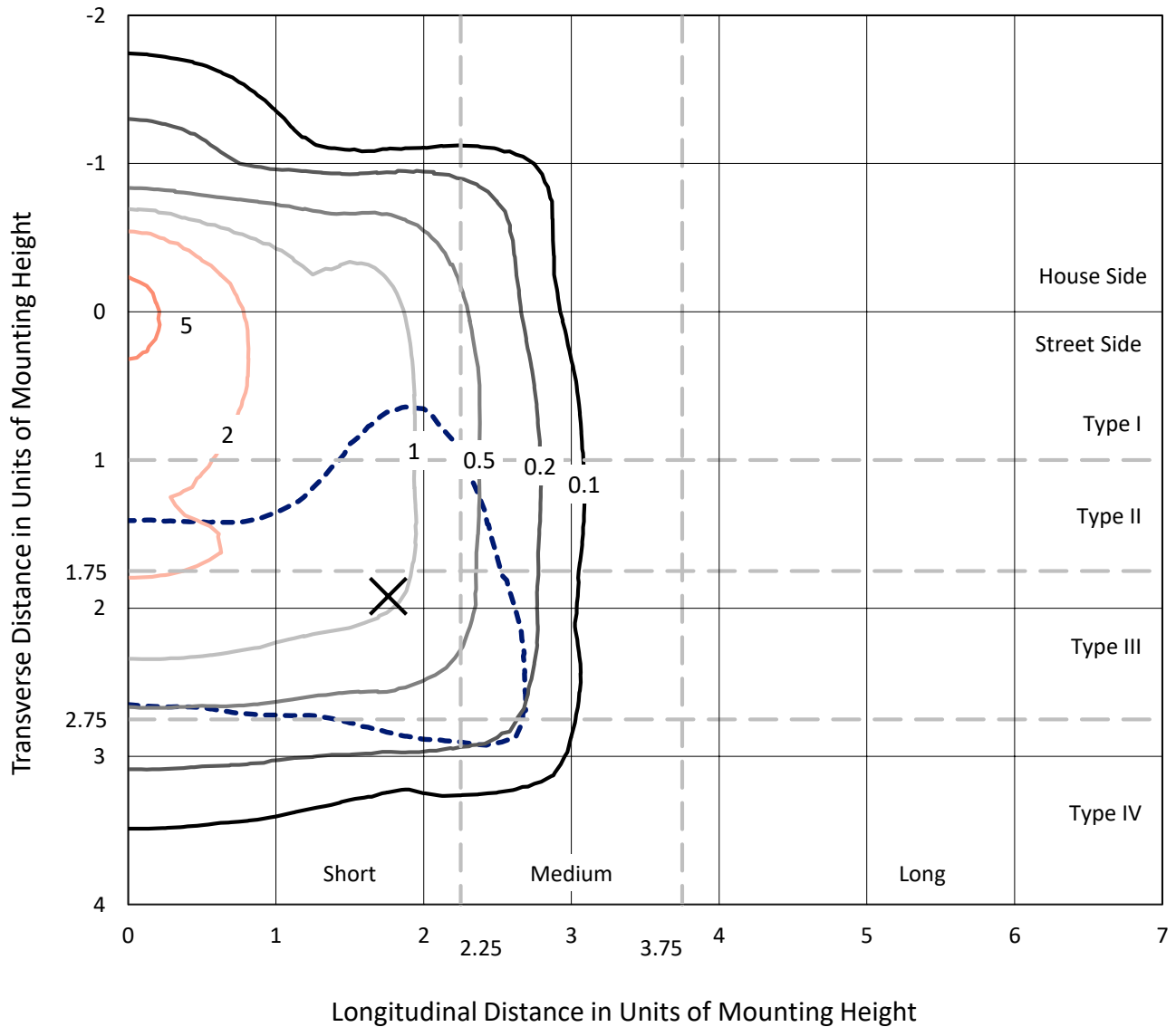
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17405.6 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 150.5  
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

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### Iso-Footcandle Lines of Horizontal Illumination

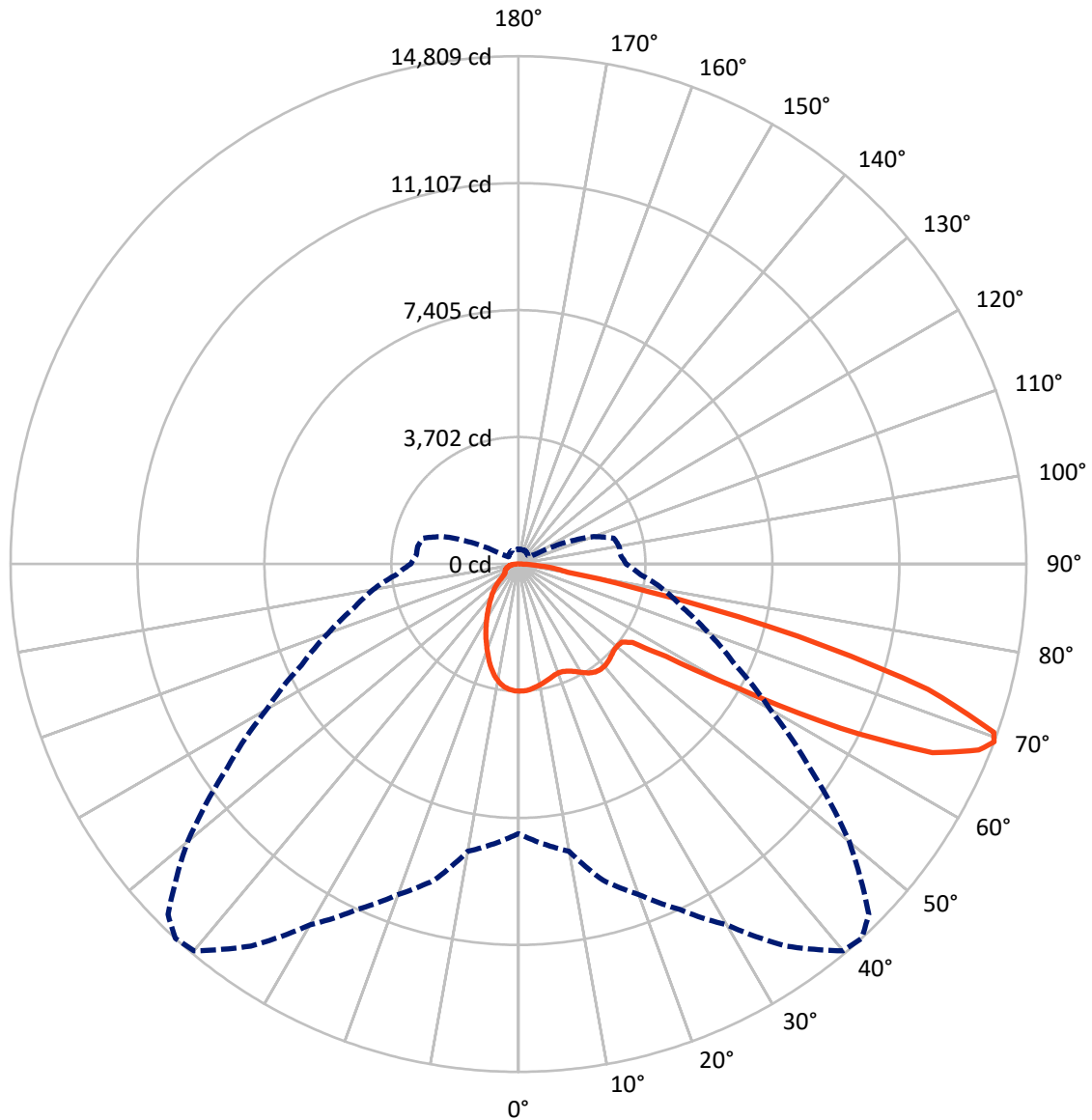
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3869.5   | 0.0    | 3869.5  |
|                    | % Fixture | 22.2     | 0.0    | 22.2    |
| <b>Street Side</b> | Lumens    | 13536.1  | 0.0    | 13536.1 |
|                    | % Fixture | 77.8     | 0.0    | 77.8    |
| <b>Total</b>       | Lumens    | 17405.6  | 0.0    | 17405.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 345.1   | 2.0       |
| 10°-20°   | 930.0   | 5.3       |
| 20°-30°   | 1356.1  | 7.8       |
| 30°-40°   | 1728.8  | 9.9       |
| 40°-50°   | 2011.5  | 11.6      |
| 50°-60°   | 3060.4  | 17.6      |
| 60°-70°   | 5406.1  | 31.1      |
| 70°-80°   | 2230.9  | 12.8      |
| 80°-90°   | 336.8   | 1.9       |
| 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°    | 17405.6 | 100.0     |
| 0°-180°   | 17405.6 | 100.0     |



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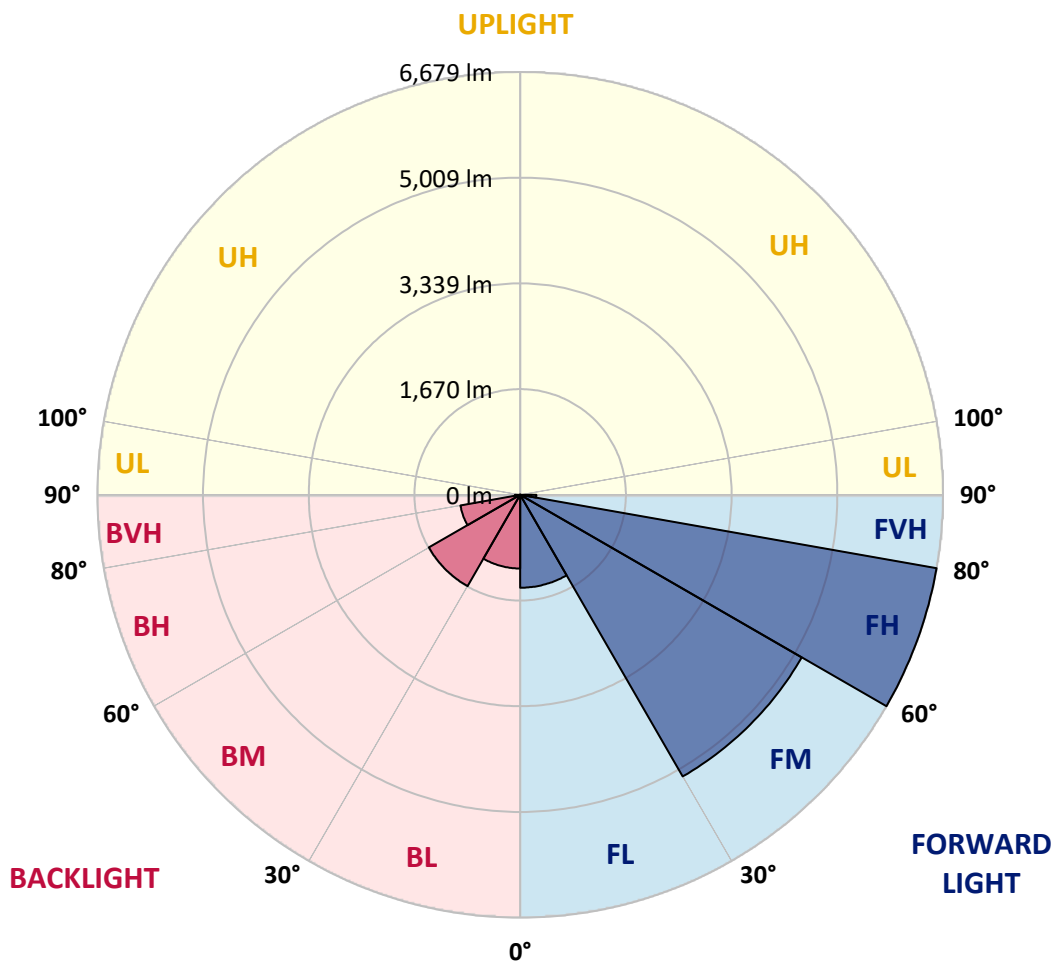
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1467.7 | 8.4       |                         |      |         |
| FM (30°-60°)   | 5135.1 | 29.5      |                         |      |         |
| FH (60°-80°)   | 6678.5 | 38.4      |                         |      | G3/7500 |
| FVH (80°-90°)  | 254.7  | 1.5       |                         |      | G3/500  |
| BL (0°-30°)    | 1163.4 | 6.7       | B3/2500                 |      |         |
| BM (30°-60°)   | 1665.5 | 9.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 958.5  | 5.5       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 82.1   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 42.5°   | 45°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  | 3706.8  |
| 2.5°  | 3694.8  | 3708.0  | 3703.2  | 3703.2  | 3706.8  | 3700.8  | 3700.8  | 3703.2  | 3697.2  | 3700.8  | 3699.6  |
| 5°    | 3681.6  | 3688.8  | 3686.4  | 3686.4  | 3686.4  | 3681.6  | 3679.2  | 3678.0  | 3669.6  | 3669.6  | 3666.0  |
| 7.5°  | 3652.8  | 3655.2  | 3658.8  | 3654.0  | 3652.8  | 3651.6  | 3643.2  | 3638.4  | 3628.8  | 3620.4  | 3622.8  |
| 10°   | 3614.4  | 3613.2  | 3619.2  | 3615.6  | 3610.8  | 3607.2  | 3600.0  | 3591.6  | 3580.8  | 3570.0  | 3568.8  |
| 12.5° | 3571.2  | 3570.0  | 3574.8  | 3572.4  | 3568.8  | 3561.6  | 3555.6  | 3541.2  | 3524.4  | 3511.2  | 3510.0  |
| 15°   | 3543.6  | 3540.0  | 3544.8  | 3540.0  | 3534.0  | 3526.8  | 3516.0  | 3498.0  | 3468.0  | 3454.8  | 3444.0  |
| 17.5° | 3570.0  | 3564.0  | 3566.4  | 3560.4  | 3552.0  | 3532.8  | 3507.6  | 3469.2  | 3426.0  | 3403.2  | 3386.4  |
| 20°   | 3662.4  | 3651.6  | 3654.0  | 3648.0  | 3628.8  | 3603.6  | 3555.6  | 3488.4  | 3415.2  | 3378.0  | 3351.6  |
| 22.5° | 3794.4  | 3786.0  | 3789.6  | 3783.6  | 3764.4  | 3726.0  | 3654.0  | 3558.0  | 3453.6  | 3399.6  | 3357.6  |
| 25°   | 3994.8  | 4002.0  | 4004.4  | 3976.8  | 3966.0  | 3895.2  | 3795.6  | 3662.4  | 3523.2  | 3459.6  | 3402.0  |
| 27.5° | 4220.4  | 4220.4  | 4231.2  | 4220.4  | 4198.8  | 4116.0  | 3975.6  | 3814.8  | 3636.0  | 3549.6  | 3480.0  |
| 30°   | 4440.0  | 4437.6  | 4458.0  | 4455.6  | 4420.8  | 4327.2  | 4167.6  | 3972.0  | 3768.0  | 3670.8  | 3582.0  |
| 32.5° | 4672.8  | 4680.0  | 4693.2  | 4688.4  | 4642.8  | 4513.2  | 4321.2  | 4108.8  | 3894.0  | 3787.2  | 3687.6  |
| 35°   | 4924.8  | 4928.4  | 4933.2  | 4930.8  | 4838.4  | 4675.2  | 4434.0  | 4196.4  | 3973.2  | 3867.6  | 3764.4  |
| 37.5° | 5176.8  | 5173.2  | 5167.2  | 5115.6  | 5010.0  | 4783.2  | 4502.4  | 4246.8  | 4012.8  | 3898.8  | 3792.0  |
| 40°   | 5402.4  | 5382.0  | 5362.8  | 5282.4  | 5120.4  | 4844.4  | 4528.8  | 4258.8  | 4009.2  | 3891.6  | 3787.2  |
| 42.5° | 5526.0  | 5503.2  | 5463.6  | 5362.8  | 5166.0  | 4850.4  | 4510.8  | 4222.8  | 3972.0  | 3855.6  | 3752.4  |
| 45°   | 5548.8  | 5532.0  | 5493.6  | 5380.8  | 5155.2  | 4812.0  | 4455.6  | 4164.0  | 3916.8  | 3800.4  | 3703.2  |
| 47.5° | 5494.8  | 5481.6  | 5444.4  | 5332.8  | 5108.4  | 4754.4  | 4392.0  | 4101.6  | 3862.8  | 3753.6  | 3660.0  |
| 50°   | 5412.0  | 5400.0  | 5371.2  | 5269.2  | 5055.6  | 4714.8  | 4359.6  | 4069.2  | 3844.8  | 3745.2  | 3658.8  |
| 52.5° | 5546.4  | 5556.0  | 5472.0  | 5360.4  | 5112.0  | 4749.6  | 4395.6  | 4102.8  | 3877.2  | 3778.8  | 3688.8  |
| 55°   | 7635.6  | 7622.4  | 7117.2  | 6693.6  | 5936.4  | 5250.0  | 4737.6  | 4369.2  | 4128.0  | 4029.6  | 3945.6  |
| 57.5° | 9921.6  | 9876.0  | 9668.4  | 9272.4  | 8458.8  | 7372.8  | 6385.2  | 5545.2  | 5214.0  | 5072.4  | 5082.0  |
| 60°   | 10668.0 | 10684.8 | 10640.4 | 10500.0 | 10208.4 | 9643.2  | 8892.0  | 8260.8  | 7639.2  | 7335.6  | 7370.4  |
| 62.5° | 11082.0 | 11112.0 | 11150.4 | 11119.2 | 11024.4 | 10893.6 | 10798.8 | 10856.4 | 10770.0 | 10551.6 | 10377.6 |
| 65°   | 11139.6 | 11200.8 | 11328.0 | 11428.8 | 11478.0 | 11601.6 | 11892.0 | 12588.0 | 13224.0 | 13266.0 | 12960.0 |
| 67.5° | 9999.6  | 10168.8 | 10444.8 | 10911.6 | 11311.2 | 11750.4 | 12451.2 | 13509.6 | 14448.0 | 14479.2 | 14193.6 |
| 69°   | 7862.4  | 8187.6  | 8510.4  | 9553.2  | 10255.2 | 11115.6 | 12152.4 | 13598.4 | 14722.8 | 14809.2 | 14449.2 |
| 70°   | 6300.0  | 6493.2  | 6771.6  | 7819.2  | 8868.0  | 9964.8  | 11467.2 | 13305.6 | 14534.4 | 14708.4 | 14311.2 |
| 72.5° | 3782.4  | 3856.8  | 3952.8  | 4328.4  | 4868.4  | 5845.2  | 7837.2  | 10848.0 | 12260.4 | 12493.2 | 11988.0 |
| 75°   | 2445.6  | 2440.8  | 2449.2  | 2553.6  | 2584.8  | 2772.0  | 3399.6  | 5581.2  | 7998.0  | 8420.4  | 7815.6  |
| 77.5° | 1842.0  | 1858.8  | 1832.4  | 1842.0  | 1833.6  | 1884.0  | 1903.2  | 1998.0  | 3157.2  | 3889.2  | 3477.6  |
| 80°   | 1626.0  | 1634.4  | 1635.6  | 1630.8  | 1572.0  | 1567.2  | 1598.4  | 1544.4  | 1435.2  | 1456.8  | 1395.6  |
| 82.5° | 927.6   | 926.4   | 937.2   | 1018.8  | 1052.4  | 1162.8  | 1208.4  | 1233.6  | 1138.8  | 1068.0  | 966.0   |
| 85°   | 601.2   | 606.0   | 618.0   | 643.2   | 618.0   | 627.6   | 616.8   | 638.4   | 585.6   | 543.6   | 486.0   |
| 87.5° | 246.0   | 246.0   | 261.6   | 284.4   | 265.2   | 260.4   | 223.2   | 220.8   | 187.2   | 169.2   | 132.0   |
| 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):**

|       | 50°     | 55°     | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3706.8  | 3706.8  | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 |
| 2.5°  | 3692.4  | 3699.6  | 3696.0 | 3700.8 | 3697.2 | 3697.2 | 3692.4 | 3691.2 | 3694.8 | 3690.0 | 3691.2 |
| 5°    | 3660.0  | 3661.2  | 3655.2 | 3657.6 | 3650.4 | 3648.0 | 3644.4 | 3634.8 | 3640.8 | 3634.8 | 3637.2 |
| 7.5°  | 3613.2  | 3609.6  | 3601.2 | 3589.2 | 3580.8 | 3577.2 | 3570.0 | 3556.8 | 3559.2 | 3548.4 | 3554.4 |
| 10°   | 3553.2  | 3541.2  | 3526.8 | 3508.8 | 3496.8 | 3486.0 | 3470.4 | 3454.8 | 3446.4 | 3436.8 | 3435.6 |
| 12.5° | 3486.0  | 3471.6  | 3452.4 | 3424.8 | 3398.4 | 3380.4 | 3356.4 | 3328.8 | 3320.4 | 3304.8 | 3296.4 |
| 15°   | 3412.8  | 3390.0  | 3367.2 | 3336.0 | 3307.2 | 3279.6 | 3247.2 | 3212.4 | 3189.6 | 3165.6 | 3147.6 |
| 17.5° | 3346.8  | 3320.4  | 3290.4 | 3260.4 | 3229.2 | 3195.6 | 3154.8 | 3111.6 | 3078.0 | 3033.6 | 2997.6 |
| 20°   | 3295.2  | 3261.6  | 3231.6 | 3200.4 | 3165.6 | 3124.8 | 3075.6 | 3020.4 | 2964.0 | 2914.8 | 2872.8 |
| 22.5° | 3274.8  | 3222.0  | 3186.0 | 3154.8 | 3120.0 | 3072.0 | 3012.0 | 2947.2 | 2878.8 | 2810.4 | 2755.2 |
| 25°   | 3291.6  | 3213.6  | 3157.2 | 3120.0 | 3090.0 | 3040.8 | 2973.6 | 2894.4 | 2815.2 | 2733.6 | 2659.2 |
| 27.5° | 3340.8  | 3241.2  | 3159.6 | 3100.8 | 3066.0 | 3016.8 | 2946.0 | 2862.0 | 2768.4 | 2677.2 | 2586.0 |
| 30°   | 3417.6  | 3288.0  | 3184.8 | 3102.0 | 3048.0 | 2991.6 | 2917.2 | 2820.0 | 2725.2 | 2620.8 | 2521.2 |
| 32.5° | 3492.0  | 3337.2  | 3213.6 | 3106.8 | 3024.0 | 2950.8 | 2868.0 | 2772.0 | 2670.0 | 2560.8 | 2457.6 |
| 35°   | 3544.8  | 3369.6  | 3224.4 | 3096.0 | 2986.8 | 2895.6 | 2806.8 | 2710.8 | 2611.2 | 2499.6 | 2394.0 |
| 37.5° | 3570.0  | 3387.6  | 3225.6 | 3067.2 | 2937.6 | 2836.8 | 2742.0 | 2647.2 | 2553.6 | 2448.0 | 2348.4 |
| 40°   | 3568.8  | 3386.4  | 3208.8 | 3030.0 | 2878.8 | 2772.0 | 2678.4 | 2586.0 | 2498.4 | 2406.0 | 2316.0 |
| 42.5° | 3542.4  | 3367.2  | 3184.8 | 2994.0 | 2836.8 | 2718.0 | 2620.8 | 2532.0 | 2457.6 | 2376.0 | 2300.4 |
| 45°   | 3501.6  | 3334.8  | 3159.6 | 2977.2 | 2824.8 | 2706.0 | 2602.8 | 2516.4 | 2450.4 | 2376.0 | 2311.2 |
| 47.5° | 3470.4  | 3316.8  | 3163.2 | 3007.2 | 2862.0 | 2738.4 | 2629.2 | 2534.4 | 2478.0 | 2418.0 | 2372.4 |
| 50°   | 3475.2  | 3325.2  | 3175.2 | 3025.2 | 2888.4 | 2763.6 | 2658.0 | 2571.6 | 2530.8 | 2515.2 | 2504.4 |
| 52.5° | 3500.4  | 3338.4  | 3211.2 | 3121.2 | 3074.4 | 2980.8 | 2918.4 | 2864.4 | 2894.4 | 2835.6 | 2766.0 |
| 55°   | 3822.0  | 3769.2  | 3892.8 | 4009.2 | 4156.8 | 4212.0 | 4159.2 | 4149.6 | 4197.6 | 3998.4 | 3541.2 |
| 57.5° | 5150.4  | 5287.2  | 5478.0 | 5578.8 | 5701.2 | 5668.8 | 5546.4 | 5444.4 | 5324.4 | 5091.6 | 4521.6 |
| 60°   | 7410.0  | 7306.8  | 7220.4 | 6976.8 | 6777.6 | 6544.8 | 6285.6 | 6063.6 | 5851.2 | 5516.4 | 4899.6 |
| 62.5° | 9738.0  | 9021.6  | 8422.8 | 7844.4 | 7378.8 | 6992.4 | 6616.8 | 6283.2 | 5961.6 | 5494.8 | 4831.2 |
| 65°   | 11751.6 | 10243.2 | 9118.8 | 8270.4 | 7590.0 | 7003.2 | 6520.8 | 6060.0 | 5650.8 | 5103.6 | 4447.2 |
| 67.5° | 12656.4 | 10766.4 | 9130.8 | 7915.2 | 6973.2 | 6176.4 | 5552.4 | 4856.4 | 4398.0 | 4047.6 | 3678.0 |
| 69°   | 12589.2 | 10366.8 | 8479.2 | 6982.8 | 5900.4 | 4971.6 | 4302.0 | 3576.0 | 3136.8 | 2988.0 | 2979.6 |
| 70°   | 12270.0 | 9690.0  | 7718.4 | 6225.6 | 4987.2 | 4064.4 | 3422.4 | 2770.8 | 2361.6 | 2259.6 | 2440.8 |
| 72.5° | 10017.6 | 6847.2  | 4837.2 | 3693.6 | 2840.4 | 2245.2 | 1831.2 | 1453.2 | 1160.4 | 1005.6 | 1039.2 |
| 75°   | 5658.0  | 3170.4  | 2049.6 | 1549.2 | 1309.2 | 1082.4 | 928.8  | 792.0  | 716.4  | 582.0  | 460.8  |
| 77.5° | 2056.8  | 1360.8  | 1082.4 | 936.0  | 663.6  | 457.2  | 382.8  | 334.8  | 303.6  | 303.6  | 289.2  |
| 80°   | 1300.8  | 1024.8  | 715.2  | 489.6  | 362.4  | 315.6  | 276.0  | 242.4  | 223.2  | 218.4  | 223.2  |
| 82.5° | 812.4   | 627.6   | 400.8  | 307.2  | 258.0  | 231.6  | 201.6  | 176.4  | 160.8  | 157.2  | 164.4  |
| 85°   | 400.8   | 310.8   | 243.6  | 217.2  | 204.0  | 189.6  | 166.8  | 142.8  | 138.0  | 147.6  | 172.8  |
| 87.5° | 120.0   | 106.8   | 87.6   | 91.2   | 96.0   | 93.6   | 74.4   | 64.8   | 61.2   | 80.4   | 126.0  |
| 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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CATALOG NUMBER: VTS-E06-LED-E1-SL4

**CANDELA DISTRIBUTION (continued):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 |
| 2.5°  | 3693.6 | 3692.4 | 3694.8 | 3691.2 | 3693.6 | 3694.8 | 3692.4 | 3703.2 | 3696.0 | 3697.2 | 3702.0 |
| 5°    | 3639.6 | 3637.2 | 3646.8 | 3644.4 | 3649.2 | 3654.0 | 3651.6 | 3667.2 | 3661.2 | 3666.0 | 3675.6 |
| 7.5°  | 3549.6 | 3554.4 | 3555.6 | 3555.6 | 3565.2 | 3580.8 | 3584.4 | 3594.0 | 3594.0 | 3607.2 | 3616.8 |
| 10°   | 3429.6 | 3430.8 | 3438.0 | 3436.8 | 3448.8 | 3465.6 | 3468.0 | 3484.8 | 3490.8 | 3512.4 | 3525.6 |
| 12.5° | 3290.4 | 3284.4 | 3283.2 | 3282.0 | 3297.6 | 3315.6 | 3318.0 | 3346.8 | 3358.8 | 3378.0 | 3399.6 |
| 15°   | 3134.4 | 3118.8 | 3114.0 | 3123.6 | 3120.0 | 3130.8 | 3141.6 | 3157.2 | 3174.0 | 3212.4 | 3231.6 |
| 17.5° | 2982.0 | 2950.8 | 2942.4 | 2931.6 | 2920.8 | 2920.8 | 2925.6 | 2944.8 | 2979.6 | 3000.0 | 3043.2 |
| 20°   | 2826.0 | 2788.8 | 2758.8 | 2730.0 | 2704.8 | 2695.2 | 2696.4 | 2720.4 | 2745.6 | 2779.2 | 2820.0 |
| 22.5° | 2695.2 | 2638.8 | 2587.2 | 2548.8 | 2497.2 | 2496.0 | 2488.8 | 2496.0 | 2523.6 | 2532.0 | 2554.8 |
| 25°   | 2582.4 | 2506.8 | 2437.2 | 2374.8 | 2324.4 | 2298.0 | 2290.8 | 2288.4 | 2275.2 | 2271.6 | 2254.8 |
| 27.5° | 2494.8 | 2403.6 | 2313.6 | 2238.0 | 2175.6 | 2139.6 | 2094.0 | 2061.6 | 2014.8 | 2002.8 | 1972.8 |
| 30°   | 2422.8 | 2324.4 | 2226.0 | 2127.6 | 2056.8 | 1992.0 | 1915.2 | 1858.8 | 1786.8 | 1740.0 | 1699.2 |
| 32.5° | 2353.2 | 2253.6 | 2154.0 | 2056.8 | 1947.6 | 1846.8 | 1746.0 | 1658.4 | 1578.0 | 1506.0 | 1446.0 |
| 35°   | 2295.6 | 2200.8 | 2100.0 | 1982.4 | 1843.2 | 1698.0 | 1576.8 | 1477.2 | 1366.8 | 1291.2 | 1215.6 |
| 37.5° | 2258.4 | 2172.0 | 2071.2 | 1909.2 | 1730.4 | 1574.4 | 1436.4 | 1315.2 | 1202.4 | 1088.4 | 1003.2 |
| 40°   | 2241.6 | 2166.0 | 2040.0 | 1842.0 | 1632.0 | 1459.2 | 1306.8 | 1172.4 | 1028.4 | 900.0  | 808.8  |
| 42.5° | 2240.4 | 2163.6 | 1996.8 | 1767.6 | 1550.4 | 1362.0 | 1192.8 | 1032.0 | 872.4  | 740.4  | 650.4  |
| 45°   | 2262.0 | 2160.0 | 1951.2 | 1705.2 | 1478.4 | 1281.6 | 1080.0 | 884.4  | 705.6  | 607.2  | 559.2  |
| 47.5° | 2319.6 | 2166.0 | 1914.0 | 1647.6 | 1410.0 | 1184.4 | 950.4  | 722.4  | 574.8  | 529.2  | 529.2  |
| 50°   | 2422.8 | 2200.8 | 1904.4 | 1606.8 | 1341.6 | 1071.6 | 792.0  | 583.2  | 508.8  | 508.8  | 523.2  |
| 52.5° | 2581.2 | 2274.0 | 1921.2 | 1578.0 | 1256.4 | 922.8  | 624.0  | 502.8  | 488.4  | 501.6  | 520.8  |
| 55°   | 2946.0 | 2403.6 | 1944.0 | 1528.8 | 1126.8 | 732.0  | 514.8  | 475.2  | 481.2  | 496.8  | 514.8  |
| 57.5° | 3615.6 | 2680.8 | 1968.0 | 1420.8 | 918.0  | 564.0  | 466.8  | 464.4  | 475.2  | 489.6  | 505.2  |
| 60°   | 4056.0 | 3033.6 | 2029.2 | 1257.6 | 694.8  | 465.6  | 442.8  | 457.2  | 470.4  | 482.4  | 494.4  |
| 62.5° | 4056.0 | 3133.2 | 2074.8 | 1075.2 | 522.0  | 423.6  | 427.2  | 450.0  | 465.6  | 471.6  | 478.8  |
| 65°   | 3796.8 | 2950.8 | 1920.0 | 876.0  | 424.8  | 399.6  | 412.8  | 435.6  | 450.0  | 454.8  | 460.8  |
| 67.5° | 3318.0 | 2606.4 | 1617.6 | 660.0  | 379.2  | 379.2  | 396.0  | 412.8  | 424.8  | 434.4  | 444.0  |
| 69°   | 2884.8 | 2338.8 | 1424.4 | 559.2  | 361.2  | 363.6  | 380.4  | 394.8  | 409.2  | 421.2  | 433.2  |
| 70°   | 2572.8 | 2138.4 | 1290.0 | 507.6  | 350.4  | 351.6  | 368.4  | 384.0  | 397.2  | 410.4  | 424.8  |
| 72.5° | 1377.6 | 1477.2 | 980.4  | 416.4  | 322.8  | 326.4  | 342.0  | 356.4  | 368.4  | 381.6  | 394.8  |
| 75°   | 469.2  | 634.8  | 624.0  | 340.8  | 291.6  | 301.2  | 310.8  | 324.0  | 339.6  | 348.0  | 355.2  |
| 77.5° | 274.8  | 284.4  | 332.4  | 277.2  | 262.8  | 267.6  | 278.4  | 289.2  | 302.4  | 310.8  | 316.8  |
| 80°   | 230.4  | 229.2  | 230.4  | 225.6  | 229.2  | 240.0  | 247.2  | 261.6  | 273.6  | 276.0  | 274.8  |
| 82.5° | 187.2  | 196.8  | 198.0  | 195.6  | 206.4  | 214.8  | 220.8  | 229.2  | 228.0  | 230.4  | 235.2  |
| 85°   | 166.8  | 165.6  | 174.0  | 175.2  | 175.2  | 169.2  | 170.4  | 170.4  | 170.4  | 174.0  | 175.2  |
| 87.5° | 166.8  | 139.2  | 108.0  | 97.2   | 102.0  | 96.0   | 91.2   | 90.0   | 99.6   | 109.2  | 106.8  |
| 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):**

|       | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3706.8 | 3706.8 | 3706.8 | 3706.8 | 3706.8 |
| 2.5°  | 3704.4 | 3708.0 | 3705.6 | 3705.6 | 3708.0 |
| 5°    | 3679.2 | 3685.2 | 3682.8 | 3685.2 | 3685.2 |
| 7.5°  | 3621.6 | 3630.0 | 3636.0 | 3642.0 | 3638.4 |
| 10°   | 3538.8 | 3553.2 | 3562.8 | 3570.0 | 3566.4 |
| 12.5° | 3415.2 | 3428.4 | 3448.8 | 3460.8 | 3451.2 |
| 15°   | 3246.0 | 3283.2 | 3295.2 | 3312.0 | 3302.4 |
| 17.5° | 3069.6 | 3092.4 | 3106.8 | 3122.4 | 3132.0 |
| 20°   | 2834.4 | 2852.4 | 2871.6 | 2878.8 | 2868.0 |
| 22.5° | 2551.2 | 2560.8 | 2557.2 | 2568.0 | 2546.4 |
| 25°   | 2240.4 | 2246.4 | 2242.8 | 2252.4 | 2234.4 |
| 27.5° | 1946.4 | 1945.2 | 1946.4 | 1934.4 | 1922.4 |
| 30°   | 1663.2 | 1652.4 | 1647.6 | 1629.6 | 1626.0 |
| 32.5° | 1410.0 | 1372.8 | 1353.6 | 1327.2 | 1321.2 |
| 35°   | 1156.8 | 1104.0 | 1069.2 | 1039.2 | 1026.0 |
| 37.5° | 930.0  | 866.4  | 825.6  | 799.2  | 795.6  |
| 40°   | 735.6  | 676.8  | 648.0  | 633.6  | 631.2  |
| 42.5° | 600.0  | 574.8  | 567.6  | 567.6  | 567.6  |
| 45°   | 547.2  | 546.0  | 552.0  | 556.8  | 558.0  |
| 47.5° | 536.4  | 543.6  | 552.0  | 559.2  | 561.6  |
| 50°   | 536.4  | 543.6  | 549.6  | 556.8  | 559.2  |
| 52.5° | 534.0  | 540.0  | 542.4  | 547.2  | 549.6  |
| 55°   | 526.8  | 530.4  | 530.4  | 532.8  | 535.2  |
| 57.5° | 514.8  | 517.2  | 513.6  | 516.0  | 522.0  |
| 60°   | 502.8  | 505.2  | 499.2  | 505.2  | 508.8  |
| 62.5° | 489.6  | 490.8  | 488.4  | 493.2  | 493.2  |
| 65°   | 468.0  | 465.6  | 469.2  | 472.8  | 474.0  |
| 67.5° | 446.4  | 440.4  | 444.0  | 445.2  | 447.6  |
| 69°   | 429.6  | 426.0  | 427.2  | 429.6  | 432.0  |
| 70°   | 417.6  | 415.2  | 417.6  | 421.2  | 424.8  |
| 72.5° | 387.6  | 388.8  | 397.2  | 404.4  | 411.6  |
| 75°   | 360.0  | 368.4  | 379.2  | 394.8  | 403.2  |
| 77.5° | 326.4  | 332.4  | 340.8  | 357.6  | 373.2  |
| 80°   | 282.0  | 285.6  | 286.8  | 292.8  | 291.6  |
| 82.5° | 229.2  | 225.6  | 223.2  | 220.8  | 219.6  |
| 85°   | 164.4  | 163.2  | 153.6  | 146.4  | 146.4  |
| 87.5° | 98.4   | 93.6   | 88.8   | 82.8   | 79.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)