

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: P158822

Luminaire Tested: **VTS-E09-LED-E1-SLL-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158822
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-E09-LED-E1-SLL-7060
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (189) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24816.9 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

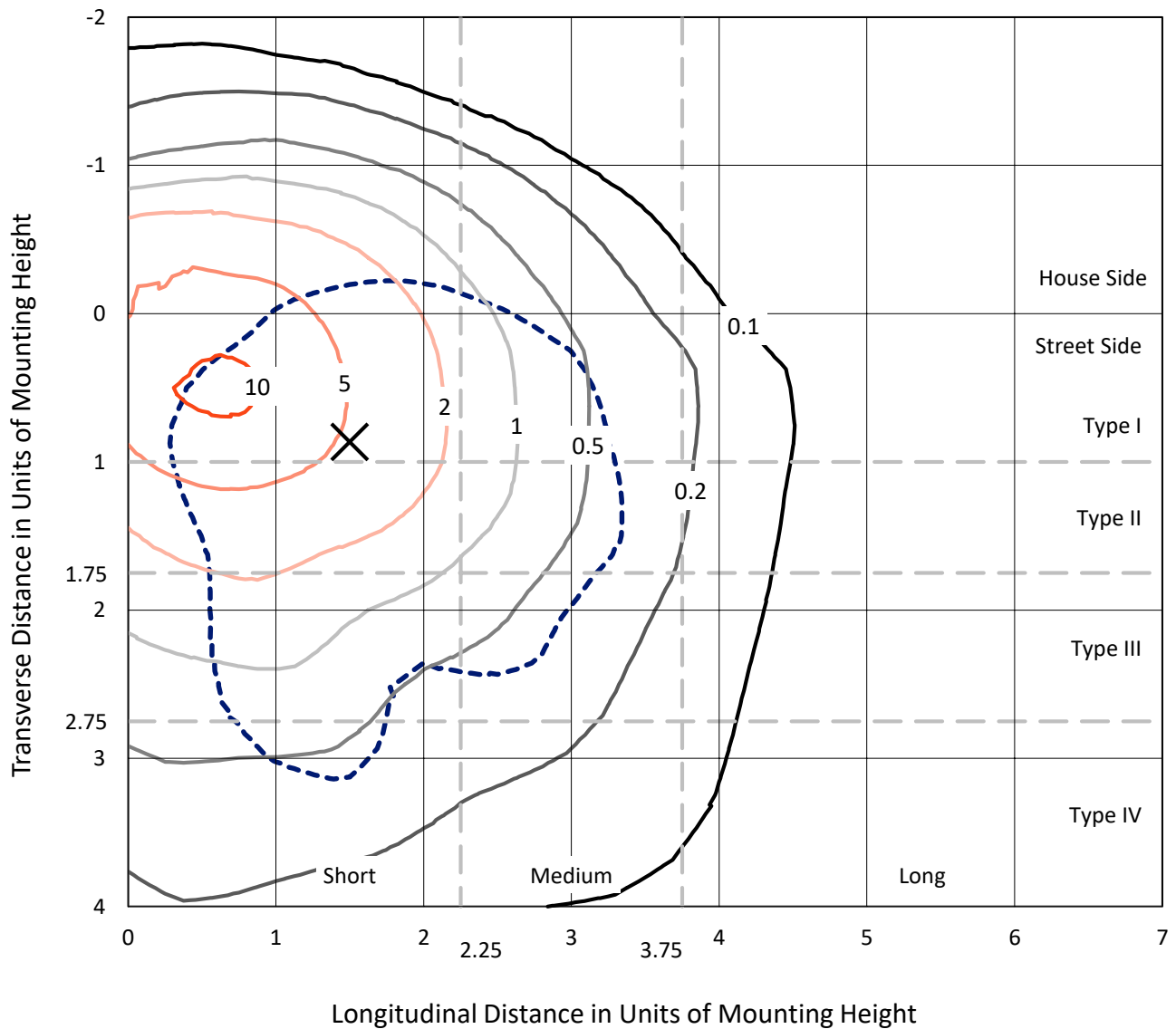
Input Watts (W): 225.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

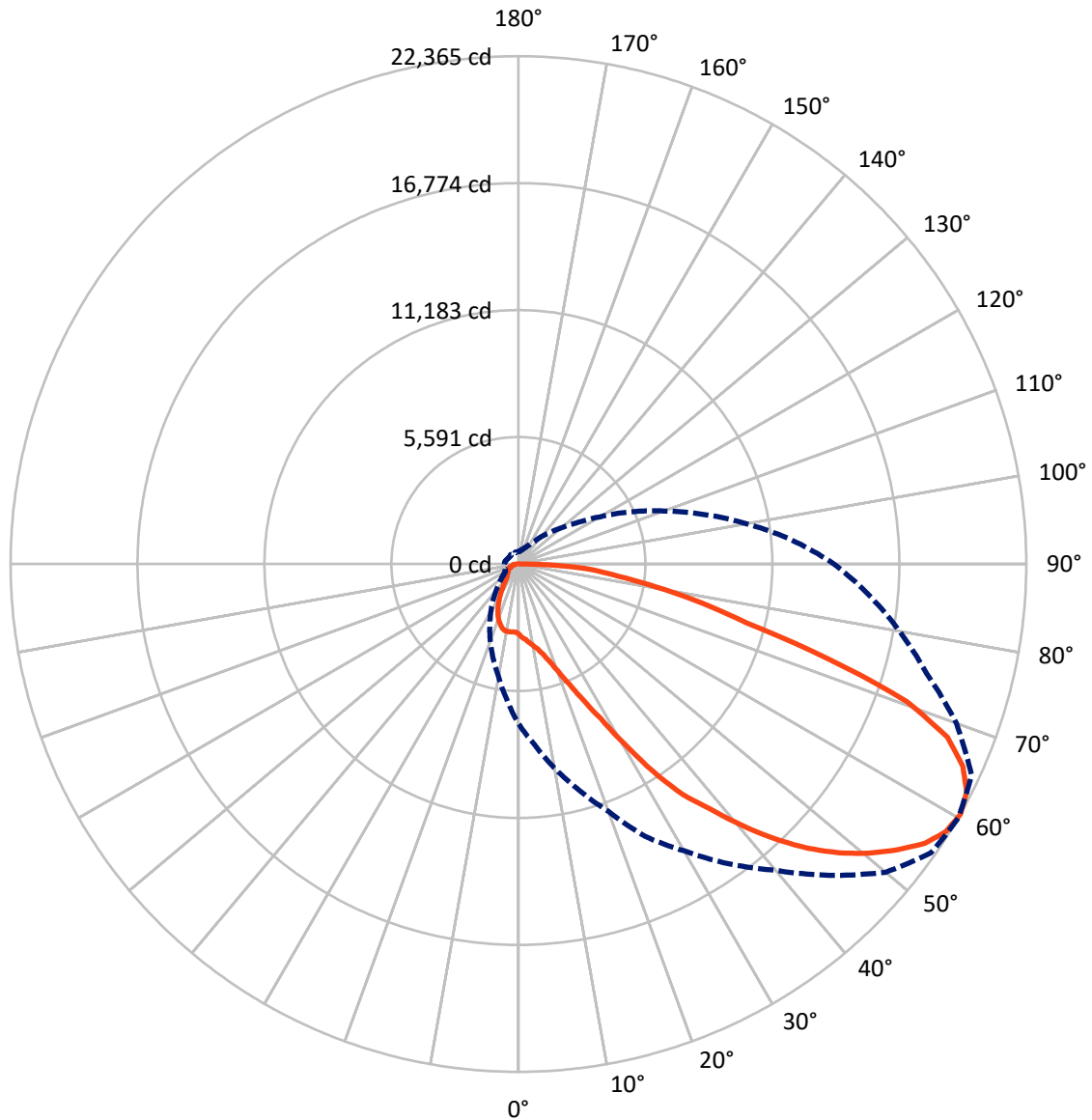


Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5588.0 | 0.0 | 5588.0 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| Street Side | Lumens | 19228.9 | 0.0 | 19228.9 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| Total | Lumens | 24816.9 | 0.0 | 24816.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 304.5 | 1.2 |
| 10°-20° | 983.1 | 4.0 |
| 20°-30° | 1865.6 | 7.5 |
| 30°-40° | 2937.9 | 11.8 |
| 40°-50° | 4100.7 | 16.5 |
| 50°-60° | 5071.5 | 20.4 |
| 60°-70° | 5256.9 | 21.2 |
| 70°-80° | 3307.8 | 13.3 |
| 80°-90° | 988.8 | 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° | 24816.9 | 100.0 |
| 0°-180° | 24816.9 | 100.0 |



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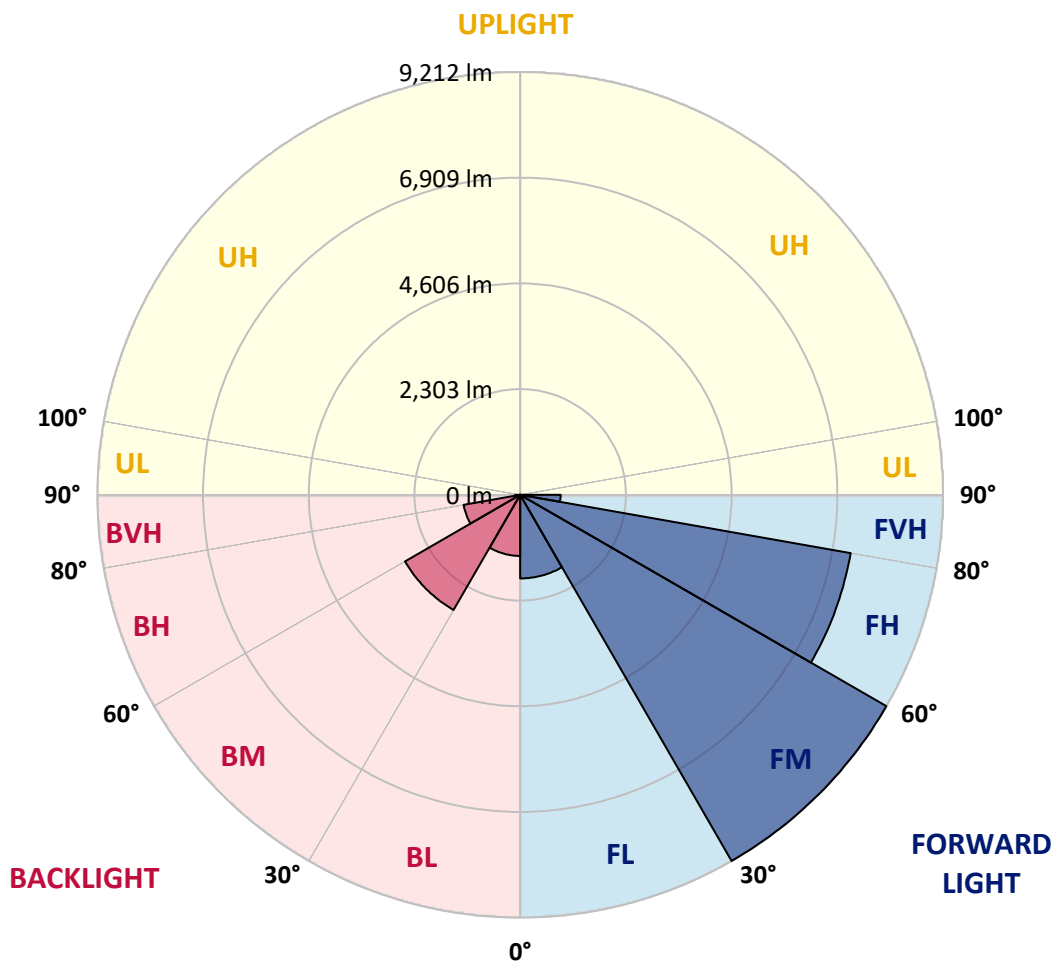
CATALOG NUMBER: VTS-E09-LED-E1-SLL-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1821.9 | 7.3 | | | |
| FM (30°-60°) | 9212.4 | 37.1 | | | |
| FH (60°-80°) | 7313.3 | 29.5 | | | G3/7500 |
| FVH (80°-90°) | 881.2 | 3.6 | | | G5 |
| BL (0°-30°) | 1331.3 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 2897.7 | 11.7 | B3/5000 | | |
| BH (60°-80°) | 1251.5 | 5.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 107.6 | 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° | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 |
| 2.5° | 3269.2 | 3265.5 | 3265.5 | 3265.5 | 3263.6 | 3259.9 | 3265.5 | 3263.6 | 3254.4 | 3248.9 | 3254.4 |
| 5° | 3311.7 | 3313.5 | 3319.0 | 3320.9 | 3320.9 | 3326.4 | 3341.2 | 3343.1 | 3341.2 | 3344.9 | 3354.1 |
| 7.5° | 3352.3 | 3361.5 | 3367.1 | 3376.3 | 3387.4 | 3396.6 | 3422.5 | 3448.3 | 3465.0 | 3477.9 | 3481.6 |
| 10° | 3418.8 | 3433.6 | 3450.2 | 3474.2 | 3500.0 | 3546.2 | 3568.4 | 3594.2 | 3610.9 | 3636.7 | 3642.3 |
| 12.5° | 3588.7 | 3607.2 | 3618.3 | 3655.2 | 3688.4 | 3732.8 | 3764.2 | 3771.6 | 3810.3 | 3832.5 | 3858.4 |
| 15° | 3875.0 | 3902.7 | 3941.5 | 3963.6 | 4000.6 | 4039.4 | 4067.1 | 4104.0 | 4109.6 | 4139.1 | 4159.4 |
| 17.5° | 4225.9 | 4264.7 | 4344.1 | 4397.7 | 4445.7 | 4484.5 | 4539.9 | 4582.4 | 4591.6 | 4624.9 | 4582.4 |
| 20° | 4717.2 | 4811.4 | 4824.3 | 4931.5 | 4973.9 | 5051.5 | 5162.3 | 5182.7 | 5236.2 | 5182.7 | 5151.3 |
| 22.5° | 5382.1 | 5529.9 | 5570.5 | 5674.0 | 5725.7 | 5843.9 | 5877.1 | 5986.1 | 6023.0 | 5982.4 | 5897.4 |
| 25° | 6146.8 | 6375.8 | 6494.0 | 6652.9 | 6678.7 | 6920.7 | 6946.5 | 7074.0 | 7005.6 | 6907.7 | 6909.6 |
| 27.5° | 6710.1 | 7099.8 | 7404.6 | 7676.1 | 7866.3 | 8139.7 | 8352.1 | 8411.2 | 8346.5 | 8219.1 | 8174.8 |
| 30° | 7031.5 | 7472.9 | 7910.7 | 8285.6 | 8728.9 | 9146.3 | 9580.3 | 9796.4 | 9833.4 | 9899.9 | 9632.1 |
| 32.5° | 7238.4 | 7805.4 | 8326.2 | 8789.8 | 9244.2 | 9781.7 | 10363.5 | 10919.4 | 11386.7 | 11739.5 | 11573.2 |
| 35° | 7412.0 | 8112.0 | 8778.7 | 9340.2 | 9877.7 | 10463.2 | 11050.5 | 11706.2 | 12480.1 | 12932.6 | 13026.8 |
| 37.5° | 7482.2 | 8337.3 | 9153.7 | 9874.0 | 10629.4 | 11288.8 | 11872.5 | 12456.1 | 13268.8 | 14075.9 | 14325.3 |
| 40° | 7469.2 | 8448.1 | 9377.2 | 10282.2 | 11207.5 | 12031.3 | 12714.7 | 13405.5 | 14356.7 | 15300.5 | 15706.8 |
| 42.5° | 7382.4 | 8464.8 | 9519.4 | 10553.7 | 11608.3 | 12703.6 | 13577.2 | 14373.3 | 15285.7 | 16495.5 | 17069.9 |
| 45° | 7273.4 | 8407.5 | 9548.9 | 10692.2 | 11905.7 | 13172.7 | 14277.2 | 15261.7 | 16331.1 | 17526.1 | 18220.6 |
| 47.5° | 7125.7 | 8317.0 | 9512.0 | 10740.2 | 12038.7 | 13473.8 | 14772.2 | 15956.1 | 17132.7 | 18508.7 | 19389.7 |
| 50° | 6965.0 | 8187.7 | 9436.3 | 10705.2 | 12071.9 | 13638.2 | 15054.8 | 16403.1 | 17777.3 | 19262.3 | 20376.0 |
| 52.5° | 6852.3 | 8049.2 | 9367.9 | 10633.1 | 12038.7 | 13688.0 | 15158.2 | 16643.2 | 18172.5 | 19707.4 | 21037.2 |
| 55° | 6713.8 | 7864.5 | 9185.1 | 10465.0 | 11916.8 | 13660.3 | 15147.2 | 16726.3 | 18281.5 | 19879.2 | 21397.4 |
| 57.5° | 6723.0 | 7779.5 | 9029.9 | 10263.7 | 11667.4 | 13403.6 | 14938.5 | 16643.2 | 18109.7 | 19768.3 | 21410.3 |
| 60° | 7014.9 | 7962.4 | 9111.2 | 10304.4 | 11593.6 | 13241.1 | 14583.8 | 16107.6 | 17605.5 | 19386.0 | 21111.1 |
| 62.5° | 7617.0 | 8485.1 | 9528.6 | 10710.7 | 12009.1 | 13566.1 | 14423.1 | 15217.3 | 16547.2 | 18682.3 | 20601.3 |
| 65° | 8335.5 | 9118.6 | 10023.6 | 11148.4 | 12603.9 | 14094.4 | 14332.6 | 14493.3 | 15165.6 | 17313.7 | 19644.6 |
| 67.5° | 9053.9 | 9754.0 | 10465.0 | 11397.8 | 12941.9 | 14245.8 | 13963.2 | 13580.9 | 13942.9 | 15723.4 | 17764.3 |
| 70° | 9312.5 | 10241.6 | 10708.8 | 11349.8 | 12685.1 | 13893.1 | 13366.7 | 12404.4 | 12530.0 | 14147.9 | 15640.3 |
| 72.5° | 8924.7 | 10248.9 | 10404.1 | 10642.4 | 11541.8 | 12677.7 | 12121.8 | 10884.3 | 10858.5 | 12094.1 | 13300.2 |
| 75° | 7485.8 | 9349.5 | 9347.6 | 9259.0 | 9462.1 | 10108.6 | 9820.4 | 9074.3 | 9390.1 | 10363.5 | 10760.6 |
| 77.5° | 5336.0 | 7295.6 | 7388.0 | 6791.4 | 6776.6 | 7068.4 | 7242.0 | 8110.1 | 9255.3 | 9802.0 | 9676.4 |
| 80° | 3352.3 | 4922.2 | 5319.3 | 4582.4 | 4425.4 | 4839.1 | 5912.2 | 7175.6 | 8584.8 | 9076.1 | 8653.1 |
| 82.5° | 2018.8 | 3171.3 | 4017.2 | 3599.8 | 3562.8 | 4316.4 | 5502.2 | 5993.5 | 6416.4 | 6939.1 | 6231.7 |
| 85° | 1370.5 | 2113.0 | 2748.3 | 2831.4 | 3154.7 | 3934.1 | 4449.4 | 4231.5 | 4242.5 | 4105.9 | 3740.2 |
| 87.5° | 262.3 | 576.3 | 942.0 | 1148.8 | 1274.4 | 1712.2 | 1861.8 | 1686.3 | 1780.5 | 1302.1 | 1424.0 |
| 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0° | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 |
| 2.5° | 3245.2 | 3245.2 | 3245.2 | 3235.9 | 3237.8 | 3224.8 | 3219.3 | 3219.3 | 3213.8 | 3213.8 | 3211.9 |
| 5° | 3346.7 | 3335.7 | 3341.2 | 3339.4 | 3339.4 | 3320.9 | 3311.7 | 3311.7 | 3287.6 | 3289.5 | 3282.1 |
| 7.5° | 3498.2 | 3496.4 | 3501.9 | 3490.8 | 3476.0 | 3461.3 | 3446.5 | 3439.1 | 3405.8 | 3385.5 | 3372.6 |
| 10° | 3670.0 | 3668.1 | 3673.7 | 3671.8 | 3646.0 | 3618.3 | 3577.6 | 3548.1 | 3507.4 | 3476.0 | 3444.6 |
| 12.5° | 3858.4 | 3856.5 | 3852.8 | 3836.2 | 3808.5 | 3764.2 | 3712.4 | 3662.6 | 3601.6 | 3561.0 | 3514.8 |
| 15° | 4152.0 | 4146.5 | 4124.3 | 4100.3 | 4070.8 | 4002.4 | 3911.9 | 3839.9 | 3758.6 | 3688.4 | 3612.7 |
| 17.5° | 4586.1 | 4539.9 | 4536.2 | 4482.6 | 4403.2 | 4312.7 | 4227.8 | 4107.7 | 3991.3 | 3886.1 | 3782.6 |
| 20° | 5184.5 | 5077.4 | 5047.8 | 4986.9 | 4881.6 | 4787.4 | 4602.7 | 4442.0 | 4283.2 | 4139.1 | 4008.0 |
| 22.5° | 5836.5 | 5758.9 | 5686.9 | 5587.1 | 5443.1 | 5306.4 | 5071.8 | 4870.5 | 4667.3 | 4482.6 | 4336.7 |
| 25° | 6747.1 | 6612.2 | 6482.9 | 6324.1 | 6124.6 | 5962.1 | 5694.3 | 5491.1 | 5225.1 | 5057.1 | 4846.5 |
| 27.5° | 7923.6 | 7692.7 | 7474.8 | 7338.1 | 6987.2 | 6750.7 | 6409.1 | 6146.8 | 5825.4 | 5598.2 | 5348.9 |
| 30° | 9454.7 | 9186.9 | 8863.7 | 8390.9 | 7973.5 | 7504.3 | 7081.4 | 6745.2 | 6403.5 | 6085.8 | 5797.7 |
| 32.5° | 11353.4 | 10880.6 | 10369.0 | 9619.1 | 8933.9 | 8265.3 | 7701.9 | 7288.2 | 6939.1 | 6543.9 | 6137.5 |
| 35° | 12958.5 | 12470.9 | 11745.0 | 10792.0 | 9946.0 | 9181.4 | 8507.2 | 7942.1 | 7485.8 | 6985.3 | 6447.8 |
| 37.5° | 14225.5 | 13669.6 | 12988.0 | 11975.9 | 11081.9 | 10212.0 | 9504.6 | 8784.3 | 8185.9 | 7496.9 | 6817.2 |
| 40° | 15677.2 | 15119.5 | 14369.6 | 13320.5 | 12262.2 | 11318.4 | 10489.1 | 9744.7 | 9009.6 | 8169.2 | 7295.6 |
| 42.5° | 16942.4 | 16539.8 | 15780.7 | 14696.5 | 13523.7 | 12472.7 | 11565.9 | 10714.4 | 9754.0 | 8813.8 | 7779.5 |
| 45° | 18261.2 | 17851.2 | 17130.8 | 15996.8 | 14750.1 | 13579.1 | 12494.9 | 11578.8 | 10444.7 | 9325.5 | 8141.5 |
| 47.5° | 19426.6 | 19005.5 | 18277.8 | 17151.1 | 15826.9 | 14593.1 | 13399.9 | 12291.7 | 10974.8 | 9689.3 | 8377.9 |
| 50° | 20538.5 | 20023.2 | 19356.5 | 18233.5 | 16818.7 | 15499.9 | 14205.2 | 12783.0 | 11386.7 | 9944.2 | 8538.6 |
| 52.5° | 21559.9 | 20904.2 | 20272.6 | 19116.3 | 17587.0 | 16209.2 | 14764.8 | 13200.4 | 11639.7 | 10145.5 | 8647.6 |
| 55° | 22139.9 | 21716.9 | 20961.5 | 19825.6 | 18133.7 | 16696.8 | 15119.5 | 13494.1 | 11890.9 | 10287.7 | 8693.8 |
| 57.5° | 22319.0 | 22215.6 | 21582.1 | 20235.6 | 18455.1 | 16964.6 | 15359.6 | 13726.8 | 12059.0 | 10328.4 | 8629.1 |
| 60° | 22176.8 | 22365.2 | 22018.0 | 20523.8 | 18601.0 | 17044.0 | 15477.8 | 13893.1 | 12088.5 | 10199.1 | 8433.4 |
| 62.5° | 21720.6 | 22149.1 | 22104.8 | 20619.8 | 18525.3 | 16944.3 | 15464.8 | 13808.1 | 11811.5 | 9796.4 | 7993.8 |
| 65° | 20970.7 | 21510.0 | 21700.3 | 20263.3 | 18098.7 | 16580.4 | 15136.1 | 13274.3 | 11041.3 | 9009.6 | 7256.8 |
| 67.5° | 19559.6 | 20376.0 | 20560.7 | 19096.0 | 16983.1 | 15573.8 | 14188.6 | 12166.1 | 9615.4 | 7792.4 | 6106.1 |
| 70° | 16731.9 | 18159.6 | 18408.9 | 16872.3 | 15016.0 | 13778.5 | 12603.9 | 10409.6 | 8006.7 | 6250.2 | 4685.8 |
| 72.5° | 13357.4 | 14255.1 | 14764.8 | 13706.5 | 12325.0 | 11427.3 | 10537.1 | 7986.4 | 6041.5 | 4611.9 | 3224.8 |
| 75° | 10442.9 | 10389.3 | 10845.5 | 10141.8 | 9329.1 | 8909.9 | 8241.3 | 5572.4 | 4046.8 | 3054.9 | 2040.9 |
| 77.5° | 8928.3 | 8241.3 | 7722.3 | 7227.3 | 6745.2 | 6612.2 | 5971.3 | 3457.6 | 2500.8 | 1830.4 | 1220.9 |
| 80° | 7421.2 | 6167.1 | 5219.6 | 4523.3 | 4351.5 | 4613.8 | 3908.2 | 2039.1 | 1481.3 | 1050.9 | 766.5 |
| 82.5° | 5302.7 | 4436.5 | 3610.9 | 3169.4 | 2875.8 | 3293.2 | 2305.0 | 1132.2 | 803.4 | 629.8 | 507.9 |
| 85° | 3437.2 | 3285.8 | 3250.7 | 3106.6 | 2750.2 | 2596.9 | 1750.9 | 975.2 | 602.1 | 391.6 | 315.8 |
| 87.5° | 1322.4 | 1695.5 | 1956.0 | 2096.3 | 2266.3 | 2018.8 | 912.4 | 336.2 | 330.6 | 203.2 | 153.3 |
| 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-E09-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 |
| 2.5° | 3199.0 | 3191.6 | 3189.8 | 3184.2 | 3180.5 | 3180.5 | 3171.3 | 3003.2 | 3001.4 | 3001.4 | 2999.5 |
| 5° | 3267.3 | 3258.1 | 3248.9 | 3247.0 | 3239.6 | 3239.6 | 3230.4 | 3062.3 | 3062.3 | 3062.3 | 3058.6 |
| 7.5° | 3359.7 | 3341.2 | 3330.1 | 3324.6 | 3313.5 | 3319.0 | 3326.4 | 3156.5 | 3158.4 | 3156.5 | 3160.2 |
| 10° | 3426.2 | 3415.1 | 3402.2 | 3398.5 | 3391.1 | 3396.6 | 3407.7 | 3239.6 | 3245.2 | 3247.0 | 3250.7 |
| 12.5° | 3490.8 | 3472.3 | 3455.7 | 3450.2 | 3446.5 | 3461.3 | 3474.2 | 3311.7 | 3317.2 | 3322.7 | 3322.7 |
| 15° | 3570.2 | 3538.8 | 3516.7 | 3503.7 | 3496.4 | 3511.1 | 3529.6 | 3368.9 | 3370.8 | 3376.3 | 3374.5 |
| 17.5° | 3705.1 | 3658.9 | 3607.2 | 3597.9 | 3573.9 | 3579.5 | 3583.2 | 3404.0 | 3396.6 | 3383.7 | 3361.5 |
| 20° | 3913.8 | 3843.6 | 3773.4 | 3743.8 | 3695.8 | 3675.5 | 3634.9 | 3405.8 | 3359.7 | 3320.9 | 3287.6 |
| 22.5° | 4213.0 | 4109.6 | 4033.8 | 3984.0 | 3886.1 | 3817.7 | 3706.9 | 3396.6 | 3309.8 | 3243.3 | 3191.6 |
| 25° | 4696.9 | 4573.1 | 4456.8 | 4331.2 | 4177.9 | 4041.2 | 3878.7 | 3477.9 | 3343.1 | 3228.5 | 3128.8 |
| 27.5° | 5167.9 | 4972.1 | 4792.9 | 4604.5 | 4388.4 | 4183.4 | 3954.4 | 3503.7 | 3350.4 | 3202.7 | 3040.1 |
| 30° | 5520.7 | 5236.2 | 4964.7 | 4689.5 | 4406.9 | 4141.0 | 3882.4 | 3415.1 | 3232.2 | 3066.0 | 2894.2 |
| 32.5° | 5734.9 | 5365.5 | 5012.7 | 4671.0 | 4338.6 | 4039.4 | 3749.4 | 3261.8 | 3060.5 | 2864.7 | 2681.8 |
| 35° | 5938.1 | 5480.0 | 5042.3 | 4639.6 | 4259.2 | 3926.7 | 3614.6 | 3082.6 | 2842.5 | 2633.8 | 2402.9 |
| 37.5° | 6189.3 | 5600.1 | 5060.8 | 4582.4 | 4142.8 | 3762.3 | 3418.8 | 2857.3 | 2617.2 | 2360.5 | 2142.5 |
| 40° | 6490.3 | 5723.8 | 5042.3 | 4467.9 | 3961.8 | 3546.2 | 3182.4 | 2620.9 | 2353.1 | 2103.7 | 1889.5 |
| 42.5° | 6776.6 | 5832.8 | 4994.3 | 4314.6 | 3764.2 | 3320.9 | 2966.3 | 2410.3 | 2142.5 | 1887.6 | 1675.2 |
| 45° | 6989.0 | 5925.1 | 4970.2 | 4207.4 | 3612.7 | 3167.6 | 2776.0 | 2240.4 | 1957.8 | 1701.1 | 1485.0 |
| 47.5° | 7136.8 | 5980.6 | 4959.2 | 4148.3 | 3507.4 | 3008.7 | 2602.4 | 2070.5 | 1773.1 | 1514.5 | 1304.0 |
| 50° | 7214.3 | 5978.7 | 4931.5 | 4083.7 | 3352.3 | 2818.5 | 2423.3 | 1898.7 | 1603.2 | 1350.1 | 1158.1 |
| 52.5° | 7234.7 | 5945.5 | 4872.4 | 3965.5 | 3163.9 | 2628.3 | 2231.2 | 1719.5 | 1453.6 | 1211.6 | 1017.7 |
| 55° | 7188.5 | 5864.2 | 4748.6 | 3767.9 | 2962.6 | 2426.9 | 2055.7 | 1579.2 | 1307.7 | 1078.6 | 927.2 |
| 57.5° | 7057.3 | 5720.1 | 4515.9 | 3496.4 | 2750.2 | 2240.4 | 1854.4 | 1409.3 | 1148.8 | 956.7 | 831.1 |
| 60° | 6813.5 | 5415.4 | 4152.0 | 3175.0 | 2480.5 | 1956.0 | 1577.3 | 1187.6 | 980.8 | 836.7 | 735.1 |
| 62.5° | 6362.9 | 4937.0 | 3640.4 | 2731.7 | 2092.6 | 1586.6 | 1259.6 | 947.5 | 792.4 | 698.2 | 635.4 |
| 65° | 5637.0 | 4216.7 | 3047.5 | 2151.7 | 1590.3 | 1154.4 | 936.4 | 712.9 | 600.3 | 543.0 | 524.5 |
| 67.5° | 4600.9 | 3256.2 | 2216.4 | 1494.2 | 1076.8 | 809.0 | 652.0 | 520.9 | 467.3 | 445.1 | 437.7 |
| 70° | 3344.9 | 2218.2 | 1435.1 | 943.8 | 711.1 | 565.2 | 493.1 | 419.3 | 389.7 | 384.2 | 384.2 |
| 72.5° | 2100.0 | 1348.3 | 879.2 | 646.4 | 539.3 | 458.1 | 421.1 | 369.4 | 358.3 | 354.6 | 349.1 |
| 75° | 1231.9 | 818.2 | 622.4 | 530.1 | 461.7 | 410.0 | 378.6 | 336.2 | 328.8 | 326.9 | 321.4 |
| 77.5° | 785.0 | 589.2 | 502.4 | 452.5 | 417.4 | 371.2 | 343.5 | 299.2 | 297.4 | 295.5 | 293.7 |
| 80° | 563.3 | 489.5 | 439.6 | 400.8 | 365.7 | 323.2 | 306.6 | 271.5 | 267.8 | 266.0 | 269.7 |
| 82.5° | 426.7 | 404.5 | 384.2 | 354.6 | 306.6 | 275.2 | 262.3 | 238.3 | 240.1 | 230.9 | 229.0 |
| 85° | 293.7 | 290.0 | 288.1 | 275.2 | 240.1 | 212.4 | 203.2 | 190.2 | 199.5 | 190.2 | 179.2 |
| 87.5° | 144.1 | 142.2 | 131.1 | 155.1 | 144.1 | 114.5 | 103.4 | 114.5 | 127.4 | 123.7 | 114.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P158822

CATALOG NUMBER: VTS-E09-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 |
| 2.5° | 2992.1 | 2984.7 | 2990.3 | 2986.6 | 2986.6 | 2984.7 | 2988.4 | 2982.9 | 2979.2 | 2982.9 | 2984.7 |
| 5° | 3051.2 | 3042.0 | 3043.8 | 3030.9 | 3036.5 | 3023.5 | 3027.2 | 3018.0 | 3008.7 | 3005.1 | 3005.1 |
| 7.5° | 3151.0 | 3141.7 | 3130.6 | 3128.8 | 3108.5 | 3101.1 | 3088.2 | 3080.8 | 3075.2 | 3062.3 | 3054.9 |
| 10° | 3241.5 | 3226.7 | 3213.8 | 3211.9 | 3191.6 | 3173.1 | 3156.5 | 3141.7 | 3132.5 | 3114.0 | 3104.8 |
| 12.5° | 3315.3 | 3300.6 | 3280.3 | 3269.2 | 3248.9 | 3226.7 | 3215.6 | 3193.4 | 3180.5 | 3160.2 | 3143.6 |
| 15° | 3357.8 | 3332.0 | 3302.4 | 3282.1 | 3252.5 | 3228.5 | 3211.9 | 3195.3 | 3182.4 | 3156.5 | 3132.5 |
| 17.5° | 3337.5 | 3295.0 | 3254.4 | 3217.5 | 3176.8 | 3154.7 | 3130.6 | 3110.3 | 3106.6 | 3077.1 | 3040.1 |
| 20° | 3252.5 | 3202.7 | 3149.1 | 3099.2 | 3045.7 | 3014.3 | 2984.7 | 2953.3 | 2944.1 | 2909.0 | 2861.0 |
| 22.5° | 3149.1 | 3091.9 | 3030.9 | 2970.0 | 2901.6 | 2857.3 | 2813.0 | 2774.2 | 2742.8 | 2691.1 | 2622.7 |
| 25° | 3043.8 | 2958.9 | 2870.2 | 2792.6 | 2713.2 | 2657.8 | 2611.6 | 2569.2 | 2532.2 | 2449.1 | 2378.9 |
| 27.5° | 2905.3 | 2772.3 | 2681.8 | 2593.2 | 2497.1 | 2425.1 | 2373.4 | 2314.3 | 2273.6 | 2177.6 | 2103.7 |
| 30° | 2728.0 | 2595.0 | 2465.7 | 2377.1 | 2281.0 | 2203.5 | 2137.0 | 2052.0 | 1992.9 | 1922.7 | 1854.4 |
| 32.5° | 2504.5 | 2371.5 | 2240.4 | 2140.7 | 2061.2 | 1965.2 | 1882.1 | 1800.8 | 1732.5 | 1664.1 | 1610.6 |
| 35° | 2233.0 | 2103.7 | 1980.0 | 1880.2 | 1791.6 | 1715.9 | 1636.4 | 1566.2 | 1488.7 | 1414.8 | 1383.4 |
| 37.5° | 1946.7 | 1808.2 | 1671.5 | 1584.7 | 1514.5 | 1461.0 | 1387.1 | 1329.8 | 1259.6 | 1215.3 | 1178.4 |
| 40° | 1697.4 | 1549.6 | 1420.3 | 1346.5 | 1291.0 | 1230.1 | 1169.1 | 1124.8 | 1074.9 | 1030.6 | 1002.9 |
| 42.5° | 1486.8 | 1348.3 | 1237.5 | 1174.7 | 1108.2 | 1041.7 | 995.5 | 958.6 | 927.2 | 893.9 | 860.7 |
| 45° | 1292.9 | 1159.9 | 1067.6 | 990.0 | 934.6 | 881.0 | 849.6 | 833.0 | 814.5 | 794.2 | 772.0 |
| 47.5° | 1130.4 | 1015.8 | 925.3 | 853.3 | 796.1 | 759.1 | 744.3 | 738.8 | 731.4 | 714.8 | 703.7 |
| 50° | 1006.6 | 912.4 | 820.1 | 755.4 | 707.4 | 688.9 | 672.3 | 666.8 | 657.5 | 652.0 | 644.6 |
| 52.5° | 903.2 | 803.4 | 725.9 | 666.8 | 637.2 | 629.8 | 622.4 | 615.0 | 613.2 | 609.5 | 605.8 |
| 55° | 818.2 | 731.4 | 659.4 | 615.0 | 600.3 | 594.7 | 592.9 | 585.5 | 583.6 | 583.6 | 578.1 |
| 57.5° | 742.5 | 668.6 | 604.0 | 576.3 | 567.0 | 561.5 | 557.8 | 554.1 | 554.1 | 557.8 | 555.9 |
| 60° | 664.9 | 602.1 | 563.3 | 548.6 | 543.0 | 533.8 | 524.5 | 520.9 | 522.7 | 531.9 | 531.9 |
| 62.5° | 589.2 | 543.0 | 519.0 | 513.5 | 507.9 | 500.5 | 489.5 | 485.8 | 489.5 | 500.5 | 506.1 |
| 65° | 506.1 | 485.8 | 478.4 | 474.7 | 471.0 | 465.4 | 458.1 | 454.4 | 456.2 | 461.7 | 469.1 |
| 67.5° | 430.3 | 428.5 | 428.5 | 430.3 | 428.5 | 426.7 | 423.0 | 417.4 | 415.6 | 415.6 | 419.3 |
| 70° | 384.2 | 384.2 | 389.7 | 389.7 | 387.9 | 387.9 | 382.3 | 376.8 | 373.1 | 369.4 | 371.2 |
| 72.5° | 349.1 | 349.1 | 350.9 | 352.8 | 350.9 | 350.9 | 343.5 | 339.8 | 330.6 | 328.8 | 325.1 |
| 75° | 319.5 | 315.8 | 315.8 | 314.0 | 312.1 | 314.0 | 306.6 | 297.4 | 293.7 | 291.8 | 288.1 |
| 77.5° | 290.0 | 282.6 | 278.9 | 275.2 | 277.0 | 275.2 | 269.7 | 264.1 | 258.6 | 256.7 | 254.9 |
| 80° | 256.7 | 245.6 | 240.1 | 230.9 | 236.4 | 238.3 | 234.6 | 229.0 | 227.2 | 225.3 | 223.5 |
| 82.5° | 212.4 | 201.3 | 193.9 | 188.4 | 184.7 | 188.4 | 193.9 | 206.9 | 203.2 | 201.3 | 197.6 |
| 85° | 166.2 | 147.8 | 138.5 | 140.4 | 131.1 | 133.0 | 149.6 | 157.0 | 157.0 | 160.7 | 157.0 |
| 87.5° | 94.2 | 90.5 | 68.3 | 62.8 | 66.5 | 79.4 | 88.7 | 97.9 | 97.9 | 92.3 | 103.4 |
| 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: P158822

CATALOG NUMBER: VTS-E09-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 |
| 2.5° | 2984.7 | 2988.4 | 2990.3 | 2997.7 | 3001.4 | 3003.2 | 3005.1 | 3008.7 | 3010.6 | 3008.7 | 3018.0 |
| 5° | 2999.5 | 2999.5 | 2995.8 | 3001.4 | 3003.2 | 3003.2 | 2999.5 | 3003.2 | 3003.2 | 3003.2 | 3012.4 |
| 7.5° | 3038.3 | 3027.2 | 3021.7 | 3014.3 | 3008.7 | 3001.4 | 2992.1 | 2992.1 | 2990.3 | 2992.1 | 2997.7 |
| 10° | 3078.9 | 3062.3 | 3042.0 | 3023.5 | 3006.9 | 2994.0 | 2977.3 | 2971.8 | 2970.0 | 2968.1 | 2982.9 |
| 12.5° | 3110.3 | 3080.8 | 3049.4 | 3018.0 | 2984.7 | 2962.6 | 2934.9 | 2918.2 | 2916.4 | 2916.4 | 2934.9 |
| 15° | 3088.2 | 3040.1 | 2979.2 | 2923.8 | 2894.2 | 2862.8 | 2831.4 | 2811.1 | 2809.3 | 2813.0 | 2824.0 |
| 17.5° | 2977.3 | 2899.8 | 2846.2 | 2792.6 | 2753.9 | 2728.0 | 2707.7 | 2704.0 | 2711.4 | 2704.0 | 2718.8 |
| 20° | 2789.0 | 2705.8 | 2668.9 | 2626.4 | 2611.6 | 2593.2 | 2563.6 | 2537.8 | 2537.8 | 2504.5 | 2513.8 |
| 22.5° | 2545.2 | 2499.0 | 2451.0 | 2417.7 | 2406.6 | 2375.2 | 2343.8 | 2308.7 | 2305.0 | 2264.4 | 2258.9 |
| 25° | 2290.3 | 2244.1 | 2205.3 | 2197.9 | 2164.7 | 2122.2 | 2092.6 | 2052.0 | 2042.8 | 2002.1 | 1996.6 |
| 27.5° | 2029.8 | 1992.9 | 1954.1 | 1932.0 | 1913.5 | 1867.3 | 1841.4 | 1793.4 | 1775.0 | 1730.6 | 1725.1 |
| 30° | 1782.3 | 1756.5 | 1710.3 | 1691.8 | 1656.7 | 1603.2 | 1547.8 | 1518.2 | 1503.4 | 1457.3 | 1442.5 |
| 32.5° | 1549.6 | 1509.0 | 1473.9 | 1451.7 | 1407.4 | 1346.5 | 1296.6 | 1254.1 | 1226.4 | 1171.0 | 1156.2 |
| 35° | 1328.0 | 1287.4 | 1270.7 | 1213.5 | 1174.7 | 1134.1 | 1065.7 | 1039.9 | 990.0 | 947.5 | 932.7 |
| 37.5° | 1132.2 | 1093.4 | 1071.3 | 1023.2 | 984.4 | 943.8 | 903.2 | 869.9 | 845.9 | 836.7 | 836.7 |
| 40° | 964.1 | 943.8 | 916.1 | 881.0 | 855.2 | 825.6 | 803.4 | 792.4 | 790.5 | 794.2 | 803.4 |
| 42.5° | 844.1 | 821.9 | 803.4 | 785.0 | 766.5 | 762.8 | 757.3 | 764.7 | 773.9 | 783.1 | 792.4 |
| 45° | 753.6 | 735.1 | 724.0 | 716.6 | 714.8 | 720.3 | 731.4 | 742.5 | 759.1 | 770.2 | 777.6 |
| 47.5° | 688.9 | 674.2 | 670.5 | 668.6 | 677.8 | 694.5 | 709.2 | 725.9 | 738.8 | 749.9 | 757.3 |
| 50° | 633.5 | 620.6 | 618.7 | 616.9 | 629.8 | 644.6 | 657.5 | 679.7 | 688.9 | 696.3 | 701.9 |
| 52.5° | 594.7 | 583.6 | 578.1 | 580.0 | 592.9 | 605.8 | 624.3 | 640.9 | 653.8 | 659.4 | 664.9 |
| 55° | 563.3 | 559.6 | 546.7 | 552.2 | 565.2 | 581.8 | 600.3 | 618.7 | 631.7 | 640.9 | 650.1 |
| 57.5° | 539.3 | 530.1 | 520.9 | 530.1 | 543.0 | 559.6 | 581.8 | 598.4 | 615.0 | 628.0 | 637.2 |
| 60° | 513.5 | 506.1 | 498.7 | 507.9 | 520.9 | 537.5 | 554.1 | 576.3 | 596.6 | 609.5 | 618.7 |
| 62.5° | 491.3 | 485.8 | 478.4 | 480.2 | 485.8 | 496.8 | 506.1 | 526.4 | 544.9 | 561.5 | 572.6 |
| 65° | 459.9 | 458.1 | 447.0 | 448.8 | 452.5 | 463.6 | 471.0 | 489.5 | 507.9 | 522.7 | 531.9 |
| 67.5° | 413.7 | 410.0 | 410.0 | 415.6 | 417.4 | 423.0 | 428.5 | 447.0 | 461.7 | 472.8 | 483.9 |
| 70° | 367.6 | 365.7 | 365.7 | 369.4 | 367.6 | 373.1 | 380.5 | 397.1 | 415.6 | 426.7 | 437.7 |
| 72.5° | 323.2 | 323.2 | 321.4 | 325.1 | 325.1 | 326.9 | 336.2 | 350.9 | 367.6 | 376.8 | 384.2 |
| 75° | 284.4 | 282.6 | 282.6 | 282.6 | 284.4 | 284.4 | 293.7 | 306.6 | 323.2 | 328.8 | 339.8 |
| 77.5° | 249.3 | 249.3 | 249.3 | 249.3 | 251.2 | 249.3 | 254.9 | 264.1 | 269.7 | 278.9 | 278.9 |
| 80° | 219.8 | 217.9 | 219.8 | 221.6 | 221.6 | 219.8 | 219.8 | 221.6 | 223.5 | 223.5 | 223.5 |
| 82.5° | 193.9 | 188.4 | 192.1 | 201.3 | 201.3 | 201.3 | 199.5 | 186.5 | 177.3 | 177.3 | 181.0 |
| 85° | 155.1 | 155.1 | 157.0 | 169.9 | 171.8 | 164.4 | 171.8 | 153.3 | 134.8 | 129.3 | 133.0 |
| 87.5° | 96.0 | 75.7 | 92.3 | 105.3 | 105.3 | 99.7 | 110.8 | 103.4 | 86.8 | 70.2 | 66.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P158822
 CATALOG NUMBER: VTS-E09-LED-E1-SLL-7060

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 0° |
| 2.5° | 3025.4 | 3027.2 | 3038.3 | 3043.8 | 3043.8 | 3051.2 | 3054.9 | 3066.0 | 3064.2 | 3064.2 | 3067.9 | 2.5° |
| 5° | 3021.7 | 3027.2 | 3038.3 | 3045.7 | 3049.4 | 3058.6 | 3066.0 | 3078.9 | 3077.1 | 3080.8 | 3082.6 | 5° |
| 7.5° | 3008.7 | 3023.5 | 3034.6 | 3049.4 | 3062.3 | 3069.7 | 3078.9 | 3090.0 | 3086.3 | 3088.2 | 3086.3 | 7.5° |
| 10° | 2997.7 | 3012.4 | 3034.6 | 3054.9 | 3073.4 | 3084.5 | 3090.0 | 3102.9 | 3101.1 | 3104.8 | 3104.8 | 10° |
| 12.5° | 2953.3 | 2979.2 | 3006.9 | 3038.3 | 3066.0 | 3095.6 | 3114.0 | 3141.7 | 3154.7 | 3171.3 | 3189.8 | 12.5° |
| 15° | 2840.7 | 2870.2 | 2914.5 | 2949.6 | 3003.2 | 3043.8 | 3097.4 | 3151.0 | 3199.0 | 3245.2 | 3298.7 | 15° |
| 17.5° | 2729.9 | 2742.8 | 2777.9 | 2825.9 | 2873.9 | 2934.9 | 2999.5 | 3095.6 | 3182.4 | 3276.6 | 3380.0 | 17.5° |
| 20° | 2524.8 | 2547.0 | 2571.0 | 2628.3 | 2685.5 | 2772.3 | 2851.8 | 2977.3 | 3104.8 | 3252.5 | 3411.4 | 20° |
| 22.5° | 2271.8 | 2294.0 | 2319.8 | 2384.5 | 2454.6 | 2543.3 | 2639.3 | 2779.7 | 2949.6 | 3141.7 | 3354.1 | 22.5° |
| 25° | 1998.4 | 2011.4 | 2031.7 | 2096.3 | 2138.8 | 2255.2 | 2371.5 | 2517.4 | 2702.1 | 2949.6 | 3197.1 | 25° |
| 27.5° | 1697.4 | 1721.4 | 1738.0 | 1767.6 | 1865.5 | 1965.2 | 2087.1 | 2244.1 | 2467.6 | 2720.6 | 3019.8 | 27.5° |
| 30° | 1409.3 | 1429.6 | 1420.3 | 1483.1 | 1547.8 | 1653.1 | 1784.2 | 1957.8 | 2172.1 | 2473.1 | 2818.5 | 30° |
| 32.5° | 1126.7 | 1141.4 | 1135.9 | 1180.2 | 1244.9 | 1350.1 | 1473.9 | 1662.3 | 1889.5 | 2210.8 | 2585.8 | 32.5° |
| 35° | 929.0 | 932.7 | 953.0 | 973.4 | 1028.8 | 1113.7 | 1219.0 | 1383.4 | 1616.1 | 1911.6 | 2308.7 | 35° |
| 37.5° | 836.7 | 844.1 | 857.0 | 884.7 | 925.3 | 986.3 | 1073.1 | 1200.5 | 1400.0 | 1660.4 | 2015.1 | 37.5° |
| 40° | 809.0 | 814.5 | 821.9 | 840.4 | 879.2 | 932.7 | 1010.3 | 1117.4 | 1263.3 | 1483.1 | 1771.3 | 40° |
| 42.5° | 796.1 | 796.1 | 796.1 | 807.1 | 836.7 | 893.9 | 982.6 | 1087.9 | 1215.3 | 1381.5 | 1614.3 | 42.5° |
| 45° | 777.6 | 777.6 | 775.7 | 781.3 | 801.6 | 858.9 | 954.9 | 1073.1 | 1209.8 | 1368.6 | 1569.9 | 45° |
| 47.5° | 757.3 | 755.4 | 749.9 | 749.9 | 762.8 | 820.1 | 919.8 | 1047.2 | 1196.8 | 1379.7 | 1595.8 | 47.5° |
| 50° | 701.9 | 701.9 | 701.9 | 707.4 | 718.5 | 770.2 | 877.3 | 1012.2 | 1183.9 | 1387.1 | 1636.4 | 50° |
| 52.5° | 670.5 | 672.3 | 677.8 | 677.8 | 688.9 | 742.5 | 855.2 | 1004.8 | 1191.3 | 1414.8 | 1688.1 | 52.5° |
| 55° | 655.7 | 661.2 | 666.8 | 666.8 | 676.0 | 731.4 | 847.8 | 1010.3 | 1219.0 | 1472.1 | 1776.8 | 55° |
| 57.5° | 642.8 | 648.3 | 652.0 | 652.0 | 659.4 | 707.4 | 827.5 | 1001.1 | 1235.6 | 1527.5 | 1885.8 | 57.5° |
| 60° | 618.7 | 622.4 | 624.3 | 624.3 | 626.1 | 666.8 | 781.3 | 956.7 | 1198.7 | 1523.8 | 1944.9 | 60° |
| 62.5° | 574.4 | 581.8 | 583.6 | 585.5 | 585.5 | 624.3 | 722.2 | 884.7 | 1119.3 | 1468.4 | 1928.3 | 62.5° |
| 65° | 541.2 | 544.9 | 550.4 | 554.1 | 561.5 | 587.3 | 664.9 | 797.9 | 1015.8 | 1357.5 | 1835.9 | 65° |
| 67.5° | 489.5 | 495.0 | 500.5 | 507.9 | 515.3 | 531.9 | 592.9 | 700.0 | 875.5 | 1169.1 | 1629.0 | 67.5° |
| 70° | 443.3 | 445.1 | 450.7 | 459.9 | 461.7 | 471.0 | 515.3 | 589.2 | 716.6 | 938.3 | 1311.4 | 70° |
| 72.5° | 386.0 | 389.7 | 397.1 | 408.2 | 408.2 | 415.6 | 441.4 | 480.2 | 561.5 | 716.6 | 967.8 | 72.5° |
| 75° | 336.2 | 339.8 | 345.4 | 345.4 | 336.2 | 338.0 | 356.5 | 384.2 | 445.1 | 539.3 | 705.6 | 75° |
| 77.5° | 278.9 | 286.3 | 291.8 | 280.7 | 277.0 | 282.6 | 291.8 | 312.1 | 356.5 | 428.5 | 530.1 | 77.5° |
| 80° | 230.9 | 234.6 | 236.4 | 238.3 | 234.6 | 240.1 | 247.5 | 260.4 | 290.0 | 345.4 | 419.3 | 80° |
| 82.5° | 184.7 | 188.4 | 193.9 | 201.3 | 201.3 | 221.6 | 223.5 | 223.5 | 240.1 | 275.2 | 328.8 | 82.5° |
| 85° | 136.7 | 144.1 | 151.5 | 160.7 | 162.5 | 173.6 | 168.1 | 166.2 | 171.8 | 205.0 | 227.2 | 85° |
| 87.5° | 70.2 | 75.7 | 79.4 | 86.8 | 77.6 | 81.3 | 81.3 | 75.7 | 66.5 | 83.1 | 92.3 | 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: P158822

NUMBER: VTS-E09-LED-E1-SLL-7060

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 | 3086.3 |
| 3071.5 | 3067.9 | 3071.5 | 3071.5 | 3077.1 | 3073.4 | 3269.2 |
| 3086.3 | 3082.6 | 3086.3 | 3090.0 | 3095.6 | 3095.6 | 3311.7 |
| 3088.2 | 3088.2 | 3084.5 | 3093.7 | 3101.1 | 3108.5 | 3352.3 |
| 3110.3 | 3110.3 | 3114.0 | 3115.9 | 3132.5 | 3151.0 | 3418.8 |
| 3200.8 | 3210.1 | 3226.7 | 3232.2 | 3261.8 | 3282.1 | 3588.7 |
| 3339.4 | 3391.1 | 3424.3 | 3435.4 | 3461.3 | 3500.0 | 3875.0 |
| 3479.7 | 3566.5 | 3657.0 | 3712.4 | 3745.7 | 3791.9 | 4225.9 |
| 3585.0 | 3747.5 | 3902.7 | 4041.2 | 4120.6 | 4211.1 | 4717.2 |
| 3594.2 | 3852.8 | 4115.1 | 4371.8 | 4584.2 | 4752.3 | 5382.1 |
| 3505.6 | 3845.4 | 4207.4 | 4600.9 | 4966.6 | 5269.5 | 6146.8 |
| 3392.9 | 3810.3 | 4272.1 | 4774.5 | 5254.7 | 5701.7 | 6710.1 |
| 3250.7 | 3751.2 | 4283.2 | 4848.3 | 5411.7 | 5949.2 | 7031.5 |
| 3034.6 | 3575.8 | 4150.2 | 4774.5 | 5428.3 | 6082.1 | 7238.4 |
| 2757.6 | 3309.8 | 3899.0 | 4610.1 | 5350.7 | 6135.7 | 7412.0 |
| 2475.0 | 3019.8 | 3653.3 | 4390.3 | 5227.0 | 6126.5 | 7482.2 |
| 2175.8 | 2716.9 | 3365.2 | 4155.7 | 5058.9 | 6041.5 | 7469.2 |
| 1972.6 | 2465.7 | 3101.1 | 3917.5 | 4872.4 | 5928.8 | 7382.4 |
| 1854.4 | 2286.6 | 2892.4 | 3699.5 | 4702.4 | 5794.0 | 7273.4 |
| 1852.5 | 2233.0 | 2781.6 | 3544.4 | 4530.7 | 5644.4 | 7125.7 |
| 1917.2 | 2266.3 | 2768.6 | 3477.9 | 4436.5 | 5535.4 | 6965.0 |
| 1992.9 | 2358.6 | 2837.0 | 3501.9 | 4434.6 | 5487.4 | 6852.3 |
| 2113.0 | 2515.6 | 2986.6 | 3605.3 | 4482.6 | 5480.0 | 6713.8 |
| 2266.3 | 2728.0 | 3256.2 | 3860.2 | 4669.2 | 5625.9 | 6723.0 |
| 2423.3 | 2977.3 | 3609.0 | 4296.1 | 5036.7 | 5965.8 | 7014.9 |
| 2480.5 | 3169.4 | 3967.3 | 4807.7 | 5587.1 | 6475.5 | 7617.0 |
| 2430.6 | 3213.8 | 4185.3 | 5204.8 | 6122.8 | 7072.1 | 8335.5 |
| 2245.9 | 3034.6 | 4096.6 | 5317.5 | 6431.2 | 7495.1 | 9053.9 |
| 1848.8 | 2589.5 | 3694.0 | 5064.4 | 6407.2 | 7581.9 | 9312.5 |
| 1355.7 | 2007.7 | 3003.2 | 4303.5 | 5696.1 | 7038.9 | 8924.7 |
| 978.9 | 1420.3 | 2168.4 | 3241.5 | 4503.0 | 5668.4 | 7485.8 |
| 701.9 | 984.4 | 1407.4 | 2129.6 | 3067.9 | 3947.0 | 5336.0 |
| 504.2 | 668.6 | 877.3 | 1278.1 | 1869.2 | 2423.3 | 3352.3 |
| 371.2 | 458.1 | 576.3 | 794.2 | 1100.8 | 1411.1 | 2018.8 |
| 253.0 | 269.7 | 347.2 | 469.1 | 722.2 | 1038.0 | 1370.5 |
| 96.0 | 109.0 | 127.4 | 192.1 | 323.2 | 371.2 | 262.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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