

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: P165428

Luminaire Tested: **VTS-E10-LED-E1-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165428
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E10-LED-E1-SL4-HSS-7050
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (210) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20629.7 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G4

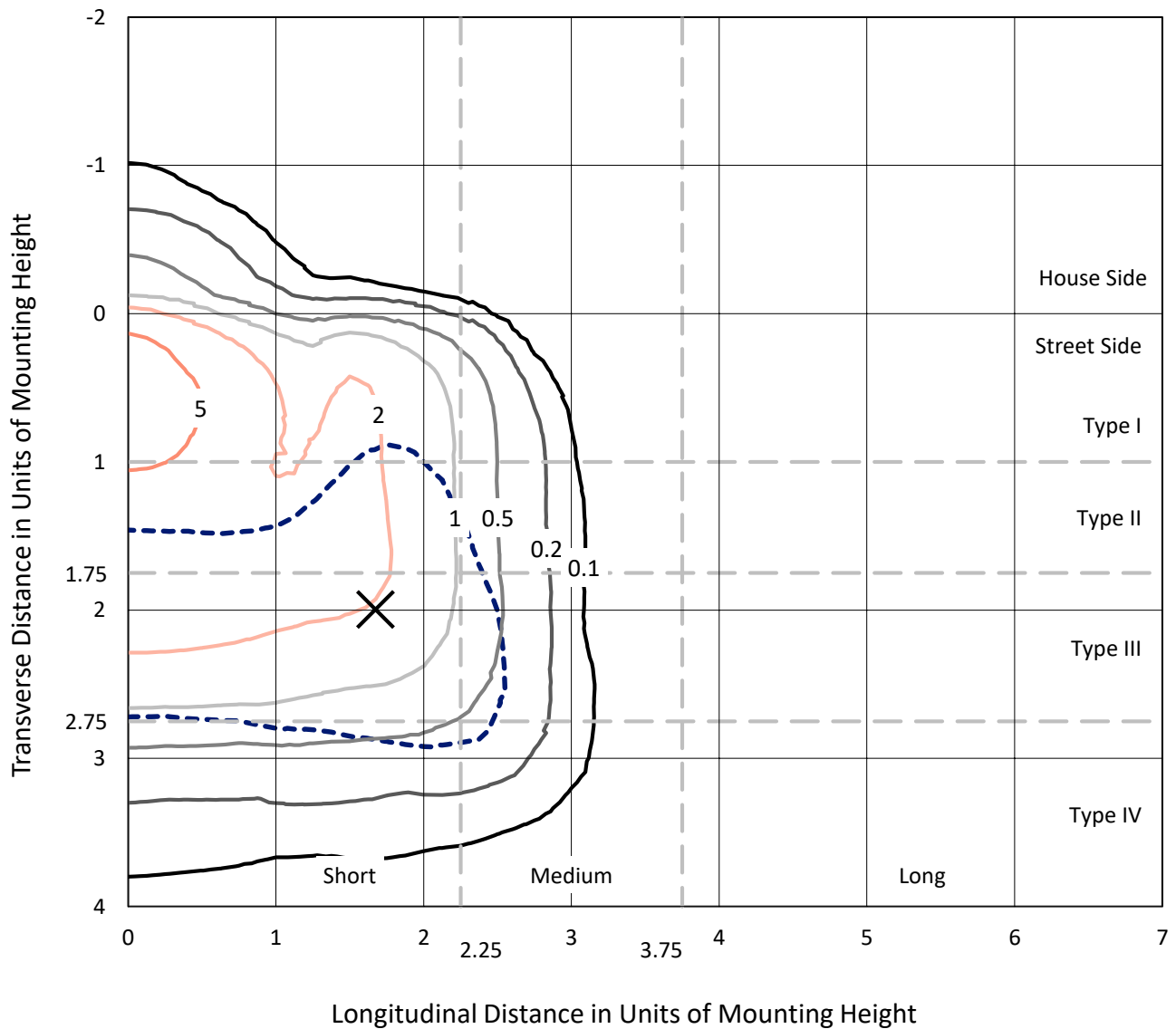
Input Watts (W): 247.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

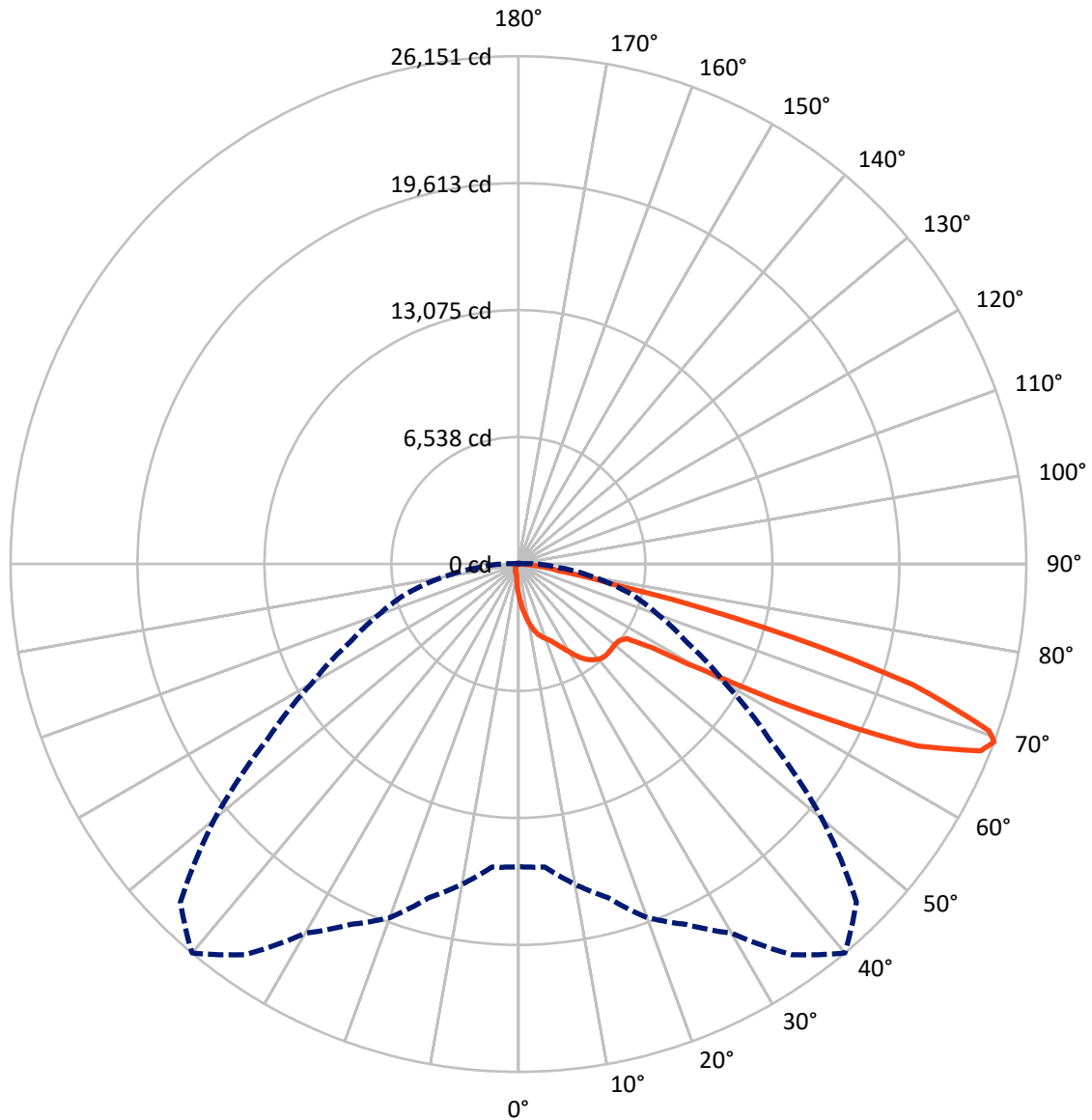


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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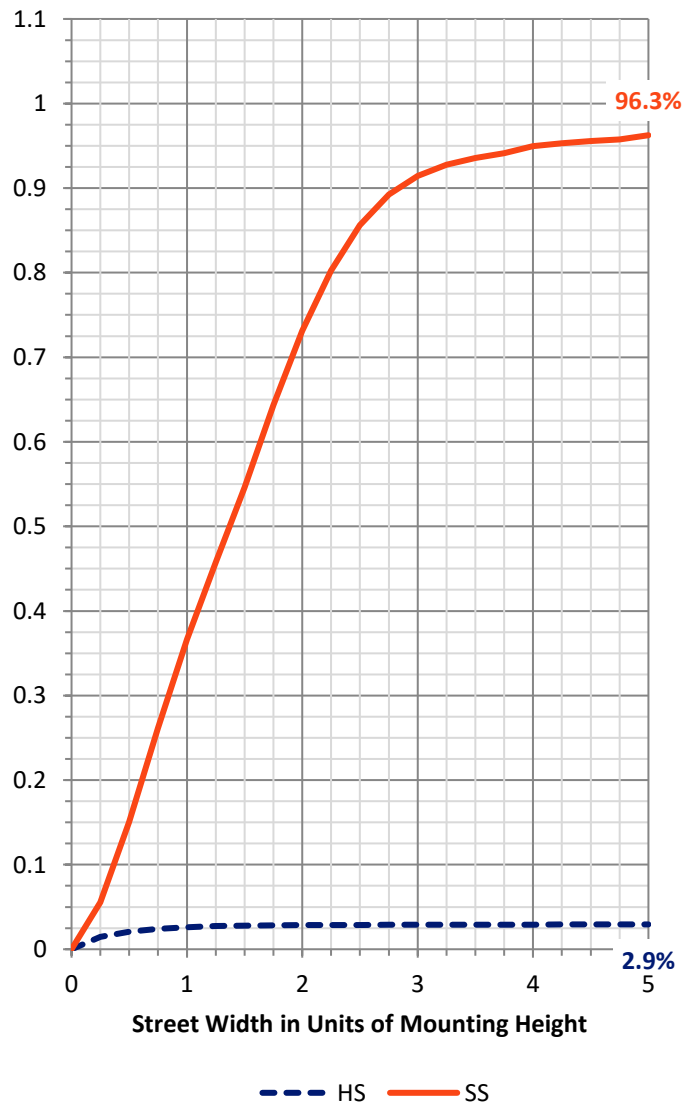
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 614.3 | 0.0 | 614.3 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 20015.4 | 0.0 | 20015.4 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 20629.7 | 0.0 | 20629.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 160.1 | 0.8 |
| 10°-20° | 552.1 | 2.7 |
| 20°-30° | 1056.7 | 5.1 |
| 30°-40° | 1757.3 | 8.5 |
| 40°-50° | 2377.9 | 11.5 |
| 50°-60° | 3718.8 | 18.0 |
| 60°-70° | 7645.7 | 37.1 |
| 70°-80° | 3076.5 | 14.9 |
| 80°-90° | 284.6 | 1.4 |
| 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° | 20629.7 | 100.0 |
| 0°-180° | 20629.7 | 100.0 |



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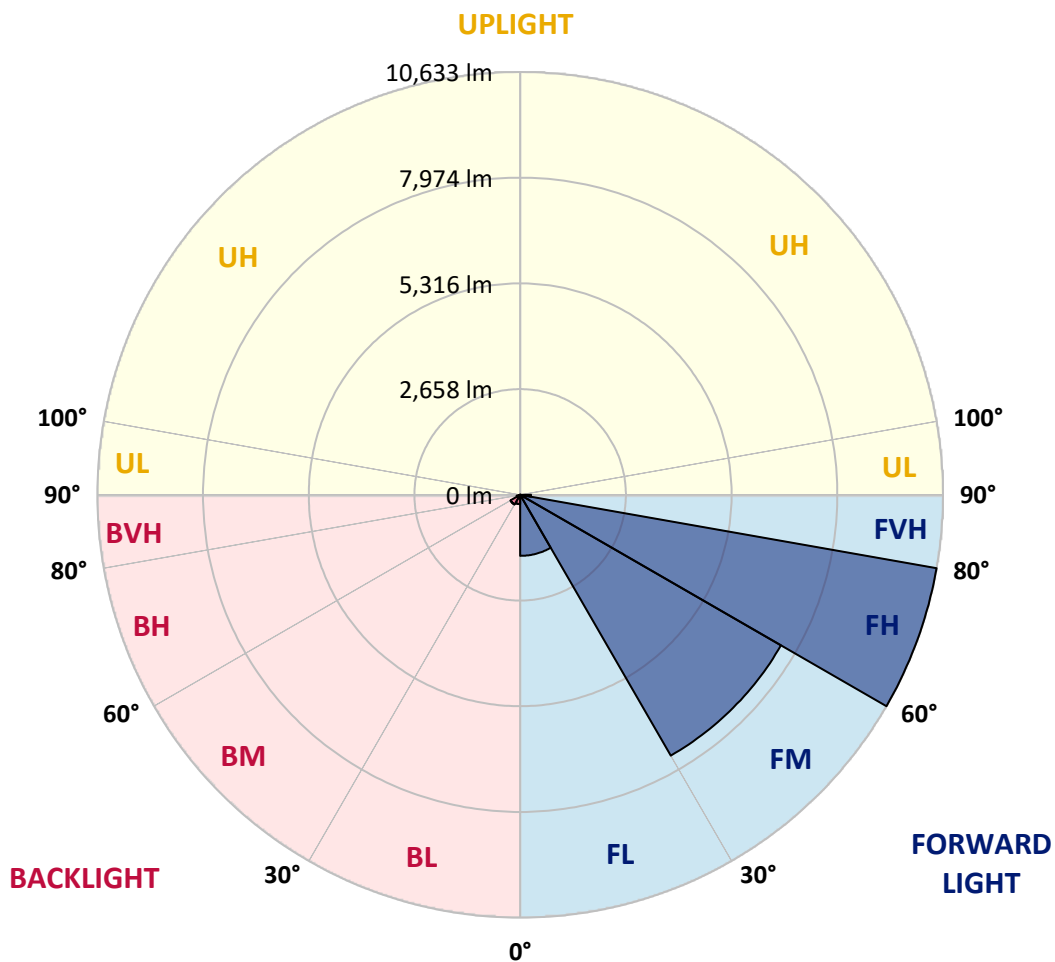
CATALOG NUMBER: VTS-E10-LED-E1-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 1535.3 | 7.4 | | | |
| FM | (30°-60°) | 7573.5 | 36.7 | | | |
| FH | (60°-80°) | 10632.7 | 51.5 | | | G4/12000 |
| FVH | (80°-90°) | 274.0 | 1.3 | | | G3/500 |
| BL | (0°-30°) | 233.7 | 1.1 | B1/500 | | |
| BM | (30°-60°) | 280.5 | 1.4 | B1/1000 | | |
| BH | (60°-80°) | 89.6 | 0.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 10.6 | 0.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G4

Type IV Short





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CATALOG NUMBER: VTS-E10-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 |
| 2.5° | 2078.5 | 2054.7 | 2027.6 | 2027.6 | 1993.9 | 1993.9 | 1973.6 | 1919.6 | 1912.9 | 1882.3 | 1851.9 |
| 5° | 2652.9 | 2632.6 | 2598.9 | 2568.3 | 2541.5 | 2494.1 | 2460.2 | 2396.0 | 2325.2 | 2257.4 | 2196.7 |
| 7.5° | 3214.0 | 3203.7 | 3143.0 | 3132.7 | 3088.8 | 3011.2 | 2943.5 | 2848.9 | 2727.2 | 2632.6 | 2521.1 |
| 10° | 3734.4 | 3710.6 | 3697.1 | 3639.6 | 3575.6 | 3491.0 | 3386.1 | 3271.4 | 3129.4 | 2980.6 | 2821.8 |
| 12.5° | 4146.7 | 4133.2 | 4072.2 | 4048.6 | 3981.1 | 3896.5 | 3764.8 | 3616.0 | 3474.2 | 3281.5 | 3095.6 |
| 15° | 4454.1 | 4430.5 | 4389.9 | 4352.7 | 4271.7 | 4197.4 | 4075.7 | 3913.4 | 3741.2 | 3531.6 | 3308.6 |
| 17.5° | 4711.1 | 4667.1 | 4656.9 | 4599.4 | 4515.1 | 4427.0 | 4292.0 | 4143.2 | 3940.5 | 3730.9 | 3487.5 |
| 20° | 5055.6 | 4994.9 | 4974.6 | 4890.0 | 4792.1 | 4670.4 | 4515.1 | 4329.1 | 4116.1 | 3886.5 | 3636.3 |
| 22.5° | 5461.1 | 5417.2 | 5373.3 | 5299.0 | 5174.0 | 5001.6 | 4775.3 | 4572.5 | 4302.0 | 4048.6 | 3778.3 |
| 25° | 6035.8 | 5998.6 | 5927.6 | 5826.2 | 5670.7 | 5464.6 | 5190.9 | 4893.5 | 4575.8 | 4251.4 | 3933.7 |
| 27.5° | 6593.3 | 6559.5 | 6508.8 | 6431.2 | 6255.3 | 6029.0 | 5691.0 | 5312.6 | 4910.3 | 4518.4 | 4166.8 |
| 30° | 7117.3 | 7086.7 | 7036.0 | 6958.4 | 6802.9 | 6579.8 | 6197.9 | 5792.4 | 5292.2 | 4836.0 | 4413.7 |
| 32.5° | 7681.6 | 7671.4 | 7613.9 | 7502.5 | 7367.2 | 7066.6 | 6650.8 | 6214.9 | 5708.0 | 5180.8 | 4687.2 |
| 35° | 8320.3 | 8242.5 | 8188.5 | 8076.9 | 7847.2 | 7526.1 | 7039.5 | 6563.0 | 6029.0 | 5488.2 | 4937.4 |
| 37.5° | 8861.0 | 8786.7 | 8719.0 | 8577.2 | 8296.7 | 7887.7 | 7336.9 | 6812.9 | 6262.1 | 5711.3 | 5150.2 |
| 40° | 9256.3 | 9219.1 | 9138.1 | 8952.2 | 8638.0 | 8151.4 | 7556.4 | 6985.3 | 6431.2 | 5876.9 | 5322.6 |
| 42.5° | 9550.4 | 9492.9 | 9401.8 | 9209.1 | 8837.4 | 8283.1 | 7644.3 | 7056.3 | 6508.8 | 5978.3 | 5434.3 |
| 45° | 9658.5 | 9611.3 | 9526.8 | 9317.2 | 8915.0 | 8320.3 | 7641.0 | 7036.0 | 6512.3 | 6008.7 | 5508.5 |
| 47.5° | 9594.3 | 9547.1 | 9472.6 | 9276.6 | 8881.4 | 8276.4 | 7580.3 | 6978.5 | 6478.4 | 6018.9 | 5576.1 |
| 50° | 9381.5 | 9354.4 | 9296.9 | 9131.3 | 8776.5 | 8191.8 | 7526.1 | 6948.2 | 6471.6 | 6069.6 | 5670.7 |
| 52.5° | 9361.2 | 9344.3 | 9273.3 | 9107.7 | 8746.1 | 8164.7 | 7519.3 | 6965.2 | 6529.1 | 6133.9 | 5738.4 |
| 55° | 11439.4 | 11199.5 | 10662.3 | 10206.1 | 9455.8 | 8563.7 | 7860.6 | 7238.8 | 6772.5 | 6387.3 | 6110.0 |
| 57.5° | 16258.6 | 15900.5 | 15194.2 | 14325.7 | 12602.0 | 10908.9 | 9553.9 | 8573.7 | 8090.4 | 7914.8 | 8019.4 |
| 60° | 18516.1 | 18452.0 | 18340.4 | 17928.1 | 17046.1 | 15589.6 | 13967.3 | 12213.5 | 11510.4 | 11449.7 | 11662.5 |
| 62.5° | 19587.5 | 19546.9 | 19580.8 | 19530.1 | 19256.3 | 18830.5 | 18364.0 | 17607.1 | 16910.8 | 16461.4 | 15508.4 |
| 65° | 20080.9 | 20108.0 | 20300.5 | 20452.5 | 20486.4 | 20597.8 | 20939.3 | 21882.1 | 22571.4 | 21412.4 | 18766.2 |
| 67.5° | 18827.0 | 18985.8 | 19428.7 | 19982.8 | 20631.7 | 21260.3 | 22274.1 | 24261.2 | 25677.3 | 24315.4 | 20557.4 |
| 69° | 15586.1 | 15663.9 | 16745.2 | 17789.6 | 19374.5 | 20483.1 | 21953.1 | 24558.6 | 26150.5 | 24612.8 | 20415.4 |
| 70° | 12270.8 | 12341.8 | 13501.1 | 14920.4 | 17600.4 | 19026.5 | 20949.4 | 24055.2 | 25707.6 | 24217.3 | 19685.4 |
| 72.5° | 5535.6 | 5434.3 | 5843.1 | 6603.4 | 9516.5 | 11780.9 | 15143.5 | 19489.4 | 21209.6 | 19401.6 | 14727.7 |
| 75° | 3866.2 | 3822.2 | 3866.2 | 3869.4 | 4322.4 | 5576.1 | 7036.0 | 10564.2 | 13065.0 | 11274.0 | 7036.0 |
| 77.5° | 2994.2 | 2963.8 | 2933.4 | 2899.6 | 2953.7 | 3308.6 | 3450.4 | 3747.7 | 4866.4 | 4602.9 | 2683.3 |
| 80° | 2369.1 | 2342.0 | 2416.3 | 2392.7 | 2392.7 | 2433.3 | 2406.2 | 2294.6 | 2085.0 | 1933.0 | 1730.2 |
| 82.5° | 1101.6 | 1108.4 | 1108.4 | 1203.0 | 1449.9 | 1693.1 | 1770.9 | 1659.4 | 1473.5 | 1253.7 | 1010.5 |
| 85° | 104.7 | 118.2 | 199.5 | 307.6 | 611.8 | 689.3 | 692.8 | 574.4 | 574.4 | 452.9 | 364.9 |
| 87.5° | 0.0 | 3.3 | 3.3 | 3.3 | 30.4 | 84.6 | 71.0 | 20.3 | 10.1 | 10.1 | 16.8 |
| 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0° | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 |
| 2.5° | 1797.9 | 1787.7 | 1747.3 | 1706.6 | 1669.5 | 1628.8 | 1591.7 | 1554.5 | 1513.9 | 1483.5 | 1446.4 |
| 5° | 2102.1 | 2027.6 | 1943.2 | 1862.2 | 1780.9 | 1696.6 | 1608.7 | 1530.9 | 1449.9 | 1375.4 | 1304.4 |
| 7.5° | 2409.5 | 2264.2 | 2149.3 | 2004.0 | 1872.2 | 1740.5 | 1618.8 | 1493.8 | 1378.9 | 1270.7 | 1169.3 |
| 10° | 2669.7 | 2494.1 | 2314.9 | 2129.2 | 1939.7 | 1764.1 | 1595.2 | 1446.4 | 1294.3 | 1162.6 | 1037.6 |
| 12.5° | 2882.7 | 2659.7 | 2440.1 | 2206.7 | 1993.9 | 1770.9 | 1561.3 | 1382.2 | 1203.0 | 1054.4 | 926.0 |
| 15° | 3075.2 | 2818.5 | 2554.8 | 2284.5 | 2014.2 | 1760.8 | 1527.5 | 1304.4 | 1121.9 | 953.0 | 807.8 |
| 17.5° | 3230.8 | 2936.7 | 2639.3 | 2335.2 | 2044.6 | 1747.3 | 1483.5 | 1250.4 | 1037.6 | 861.7 | 719.9 |
| 20° | 3366.0 | 3058.4 | 2737.4 | 2396.0 | 2064.9 | 1743.8 | 1446.4 | 1182.9 | 963.1 | 777.4 | 638.6 |
| 22.5° | 3491.0 | 3183.4 | 2838.8 | 2473.7 | 2095.3 | 1740.5 | 1412.5 | 1132.2 | 898.9 | 713.1 | 574.4 |
| 25° | 3633.0 | 3308.6 | 2947.0 | 2554.8 | 2149.3 | 1754.0 | 1392.4 | 1091.6 | 841.4 | 652.2 | 523.7 |
| 27.5° | 3791.9 | 3450.4 | 3075.2 | 2656.2 | 2220.3 | 1780.9 | 1385.7 | 1047.7 | 790.7 | 594.7 | 483.3 |
| 30° | 4014.7 | 3619.5 | 3203.7 | 2757.6 | 2284.5 | 1811.5 | 1378.9 | 1020.6 | 740.0 | 550.8 | 442.7 |
| 32.5° | 4210.9 | 3785.1 | 3345.7 | 2862.4 | 2355.5 | 1841.9 | 1375.4 | 983.4 | 692.8 | 506.9 | 412.3 |
| 35° | 4417.0 | 3937.2 | 3467.4 | 2963.8 | 2416.3 | 1875.5 | 1372.1 | 956.3 | 648.9 | 463.0 | 381.9 |
| 37.5° | 4596.1 | 4065.4 | 3562.0 | 3051.6 | 2484.0 | 1906.1 | 1375.4 | 932.7 | 608.3 | 425.8 | 354.8 |
| 40° | 4748.2 | 4197.4 | 3666.7 | 3132.7 | 2554.8 | 1953.3 | 1378.9 | 909.1 | 567.8 | 392.0 | 331.2 |
| 42.5° | 4883.4 | 4322.4 | 3778.3 | 3224.0 | 2636.1 | 2007.5 | 1399.2 | 888.8 | 534.0 | 361.6 | 307.6 |
| 45° | 4988.1 | 4437.3 | 3899.8 | 3352.5 | 2767.8 | 2095.3 | 1436.3 | 875.3 | 500.1 | 334.5 | 287.3 |
| 47.5° | 5096.3 | 4606.2 | 4106.1 | 3555.3 | 2960.5 | 2233.8 | 1500.6 | 872.0 | 473.0 | 314.2 | 270.3 |
| 50° | 5245.0 | 4775.3 | 4288.5 | 3761.3 | 3136.2 | 2375.8 | 1578.2 | 875.3 | 439.4 | 294.1 | 253.4 |
| 52.5° | 5353.2 | 4947.5 | 4525.1 | 4119.6 | 3555.3 | 2808.2 | 1879.0 | 936.0 | 422.3 | 277.0 | 233.1 |
| 55° | 5991.8 | 5920.8 | 5930.9 | 5998.6 | 5562.7 | 4778.6 | 3143.0 | 1351.8 | 496.8 | 314.2 | 229.8 |
| 57.5° | 8448.7 | 8698.7 | 8844.0 | 8840.7 | 8120.8 | 6735.4 | 4221.0 | 1737.0 | 554.3 | 364.9 | 273.8 |
| 60° | 11679.5 | 11490.3 | 11223.3 | 10564.2 | 9607.8 | 7688.4 | 4721.1 | 1868.9 | 479.8 | 290.6 | 250.2 |
| 62.5° | 14535.2 | 13426.6 | 12443.2 | 11375.4 | 10121.5 | 8019.4 | 4822.5 | 1858.7 | 419.1 | 219.6 | 175.7 |
| 65° | 16316.1 | 14322.2 | 12734.0 | 11395.5 | 9918.7 | 7742.4 | 4562.3 | 1706.6 | 354.8 | 179.2 | 145.3 |
| 67.5° | 16741.9 | 13838.9 | 11591.7 | 9884.9 | 8286.4 | 6025.7 | 3349.0 | 1284.3 | 277.0 | 148.8 | 128.5 |
| 69° | 15812.5 | 12301.4 | 9604.6 | 7668.1 | 6029.0 | 3997.9 | 2071.7 | 811.0 | 212.8 | 135.2 | 118.2 |
| 70° | 14545.2 | 10699.4 | 7823.4 | 6154.0 | 4464.4 | 2808.2 | 1449.9 | 571.1 | 172.4 | 125.0 | 108.2 |
| 72.5° | 9357.9 | 5620.0 | 3845.8 | 2676.5 | 1841.9 | 1118.7 | 567.8 | 256.9 | 131.8 | 104.7 | 87.8 |
| 75° | 3629.5 | 2078.5 | 1507.3 | 1145.5 | 895.6 | 621.8 | 344.8 | 165.6 | 111.4 | 87.8 | 67.5 |
| 77.5° | 1787.7 | 1368.6 | 1118.7 | 767.1 | 446.2 | 277.0 | 185.9 | 128.5 | 91.3 | 64.2 | 43.9 |
| 80° | 1412.5 | 939.5 | 561.1 | 348.1 | 263.5 | 199.5 | 142.0 | 104.7 | 67.5 | 40.6 | 30.4 |
| 82.5° | 723.2 | 395.5 | 290.6 | 236.6 | 196.0 | 155.6 | 114.9 | 74.3 | 43.9 | 27.1 | 23.6 |
| 85° | 226.4 | 165.6 | 148.8 | 145.3 | 135.2 | 111.4 | 81.1 | 47.4 | 27.1 | 16.8 | 16.8 |
| 87.5° | 16.8 | 23.6 | 30.4 | 23.6 | 27.1 | 23.6 | 30.4 | 20.3 | 13.5 | 13.5 | 10.1 |
| 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):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 | 1558.0 |
| 2.5° | 1419.3 | 1378.9 | 1341.7 | 1317.9 | 1274.0 | 1257.2 | 1240.4 | 1233.6 | 1203.0 | 1209.8 | 1182.9 |
| 5° | 1240.4 | 1169.3 | 1115.2 | 1061.2 | 1010.5 | 973.4 | 942.8 | 905.6 | 875.3 | 861.7 | 834.6 |
| 7.5° | 1078.0 | 986.9 | 915.9 | 858.4 | 797.5 | 750.3 | 709.7 | 682.6 | 655.7 | 628.6 | 615.0 |
| 10° | 936.0 | 838.1 | 757.1 | 699.6 | 642.1 | 601.5 | 571.1 | 550.8 | 534.0 | 523.7 | 520.4 |
| 12.5° | 804.3 | 709.7 | 635.4 | 584.7 | 540.8 | 520.4 | 506.9 | 496.8 | 493.4 | 490.1 | 490.1 |
| 15° | 702.9 | 608.3 | 550.8 | 513.7 | 493.4 | 483.3 | 479.8 | 473.0 | 466.5 | 463.0 | 463.0 |
| 17.5° | 608.3 | 537.3 | 496.8 | 476.5 | 466.5 | 459.7 | 452.9 | 446.2 | 439.4 | 435.9 | 435.9 |
| 20° | 544.0 | 486.6 | 466.5 | 452.9 | 442.7 | 435.9 | 425.8 | 419.1 | 415.8 | 412.3 | 409.0 |
| 22.5° | 493.4 | 456.2 | 442.7 | 432.6 | 419.1 | 409.0 | 402.2 | 395.5 | 388.7 | 385.2 | 381.9 |
| 25° | 456.2 | 432.6 | 422.3 | 409.0 | 395.5 | 385.2 | 375.1 | 364.9 | 358.3 | 354.8 | 348.1 |
| 27.5° | 429.1 | 412.3 | 398.7 | 381.9 | 368.4 | 358.3 | 348.1 | 338.0 | 331.2 | 324.5 | 321.0 |
| 30° | 405.5 | 388.7 | 371.7 | 358.3 | 341.3 | 331.2 | 317.7 | 307.6 | 304.1 | 297.4 | 290.6 |
| 32.5° | 381.9 | 364.9 | 348.1 | 331.2 | 314.2 | 300.9 | 294.1 | 280.5 | 273.8 | 270.3 | 263.5 |
| 35° | 354.8 | 338.0 | 317.7 | 304.1 | 287.3 | 273.8 | 263.5 | 253.4 | 246.7 | 239.9 | 236.6 |
| 37.5° | 331.2 | 310.9 | 290.6 | 273.8 | 260.2 | 246.7 | 236.6 | 226.4 | 219.6 | 212.8 | 209.5 |
| 40° | 304.1 | 283.8 | 263.5 | 246.7 | 233.1 | 223.1 | 212.8 | 202.8 | 196.0 | 192.7 | 192.7 |
| 42.5° | 280.5 | 256.9 | 236.6 | 223.1 | 212.8 | 199.5 | 189.2 | 179.2 | 175.7 | 172.4 | 175.7 |
| 45° | 256.9 | 233.1 | 216.3 | 202.8 | 192.7 | 179.2 | 168.9 | 162.1 | 158.8 | 162.1 | 165.6 |
| 47.5° | 236.6 | 212.8 | 196.0 | 185.9 | 175.7 | 165.6 | 155.6 | 148.8 | 148.8 | 155.6 | 162.1 |
| 50° | 216.3 | 192.7 | 179.2 | 172.4 | 162.1 | 152.1 | 138.5 | 135.2 | 138.5 | 145.3 | 152.1 |
| 52.5° | 196.0 | 168.9 | 158.8 | 155.6 | 145.3 | 135.2 | 125.0 | 121.7 | 125.0 | 131.8 | 128.5 |
| 55° | 175.7 | 148.8 | 145.3 | 142.0 | 131.8 | 118.2 | 108.2 | 108.2 | 108.2 | 104.7 | 98.1 |
| 57.5° | 168.9 | 131.8 | 128.5 | 125.0 | 114.9 | 101.4 | 94.6 | 87.8 | 84.6 | 74.3 | 71.0 |
| 60° | 175.7 | 118.2 | 118.2 | 111.4 | 101.4 | 87.8 | 77.8 | 67.5 | 60.7 | 54.0 | 54.0 |
| 62.5° | 142.0 | 108.2 | 104.7 | 98.1 | 84.6 | 71.0 | 60.7 | 50.7 | 47.4 | 43.9 | 43.9 |
| 65° | 114.9 | 98.1 | 91.3 | 81.1 | 71.0 | 57.5 | 47.4 | 40.6 | 37.1 | 37.1 | 40.6 |
| 67.5° | 104.7 | 87.8 | 77.8 | 67.5 | 57.5 | 43.9 | 37.1 | 33.9 | 33.9 | 37.1 | 37.1 |
| 69° | 98.1 | 81.1 | 71.0 | 60.7 | 50.7 | 40.6 | 33.9 | 33.9 | 33.9 | 33.9 | 37.1 |
| 70° | 91.3 | 77.8 | 67.5 | 57.5 | 43.9 | 33.9 | 30.4 | 30.4 | 33.9 | 33.9 | 37.1 |
| 72.5° | 71.0 | 60.7 | 57.5 | 47.4 | 33.9 | 30.4 | 27.1 | 30.4 | 30.4 | 33.9 | 33.9 |
| 75° | 54.0 | 43.9 | 43.9 | 37.1 | 27.1 | 23.6 | 23.6 | 27.1 | 27.1 | 30.4 | 30.4 |
| 77.5° | 37.1 | 30.4 | 30.4 | 27.1 | 23.6 | 20.3 | 20.3 | 23.6 | 27.1 | 27.1 | 30.4 |
| 80° | 27.1 | 23.6 | 20.3 | 23.6 | 20.3 | 16.8 | 20.3 | 23.6 | 23.6 | 27.1 | 27.1 |
| 82.5° | 20.3 | 20.3 | 20.3 | 20.3 | 16.8 | 16.8 | 20.3 | 20.3 | 23.6 | 27.1 | 27.1 |
| 85° | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 20.3 | 20.3 | 23.6 | 23.6 |
| 87.5° | 10.1 | 10.1 | 10.1 | 13.5 | 13.5 | 16.8 | 16.8 | 16.8 | 16.8 | 20.3 | 20.3 |
| 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: P165428

CATALOG NUMBER: VTS-E10-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1558.0 | 1558.0 | 1558.0 | 1558.0 |
| 2.5° | 1176.1 | 1172.6 | 1159.1 | 1162.6 |
| 5° | 824.6 | 804.3 | 817.8 | 814.5 |
| 7.5° | 605.0 | 601.5 | 598.2 | 605.0 |
| 10° | 517.2 | 517.2 | 513.7 | 517.2 |
| 12.5° | 486.6 | 486.6 | 486.6 | 486.6 |
| 15° | 463.0 | 463.0 | 459.7 | 459.7 |
| 17.5° | 435.9 | 435.9 | 435.9 | 432.6 |
| 20° | 409.0 | 405.5 | 405.5 | 405.5 |
| 22.5° | 378.4 | 375.1 | 375.1 | 375.1 |
| 25° | 348.1 | 344.8 | 344.8 | 344.8 |
| 27.5° | 317.7 | 314.2 | 310.9 | 310.9 |
| 30° | 287.3 | 283.8 | 280.5 | 280.5 |
| 32.5° | 256.9 | 253.4 | 250.2 | 250.2 |
| 35° | 229.8 | 229.8 | 226.4 | 223.1 |
| 37.5° | 206.2 | 206.2 | 206.2 | 206.2 |
| 40° | 189.2 | 192.7 | 192.7 | 192.7 |
| 42.5° | 179.2 | 182.4 | 185.9 | 189.2 |
| 45° | 172.4 | 179.2 | 182.4 | 182.4 |
| 47.5° | 168.9 | 172.4 | 175.7 | 175.7 |
| 50° | 155.6 | 152.1 | 152.1 | 152.1 |
| 52.5° | 125.0 | 118.2 | 114.9 | 111.4 |
| 55° | 91.3 | 87.8 | 81.1 | 81.1 |
| 57.5° | 64.2 | 64.2 | 60.7 | 60.7 |
| 60° | 50.7 | 50.7 | 47.4 | 50.7 |
| 62.5° | 43.9 | 43.9 | 43.9 | 43.9 |
| 65° | 40.6 | 40.6 | 40.6 | 40.6 |
| 67.5° | 40.6 | 40.6 | 40.6 | 40.6 |
| 69° | 37.1 | 37.1 | 37.1 | 37.1 |
| 70° | 37.1 | 37.1 | 37.1 | 37.1 |
| 72.5° | 33.9 | 33.9 | 33.9 | 33.9 |
| 75° | 30.4 | 33.9 | 33.9 | 33.9 |
| 77.5° | 30.4 | 30.4 | 30.4 | 30.4 |
| 80° | 27.1 | 27.1 | 30.4 | 30.4 |
| 82.5° | 27.1 | 27.1 | 27.1 | 27.1 |
| 85° | 23.6 | 23.6 | 27.1 | 27.1 |
| 87.5° | 20.3 | 20.3 | 23.6 | 23.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)