

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: P158785

Luminaire Tested: **VTS-F05-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158785
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-F05-LED-E1-SLL
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

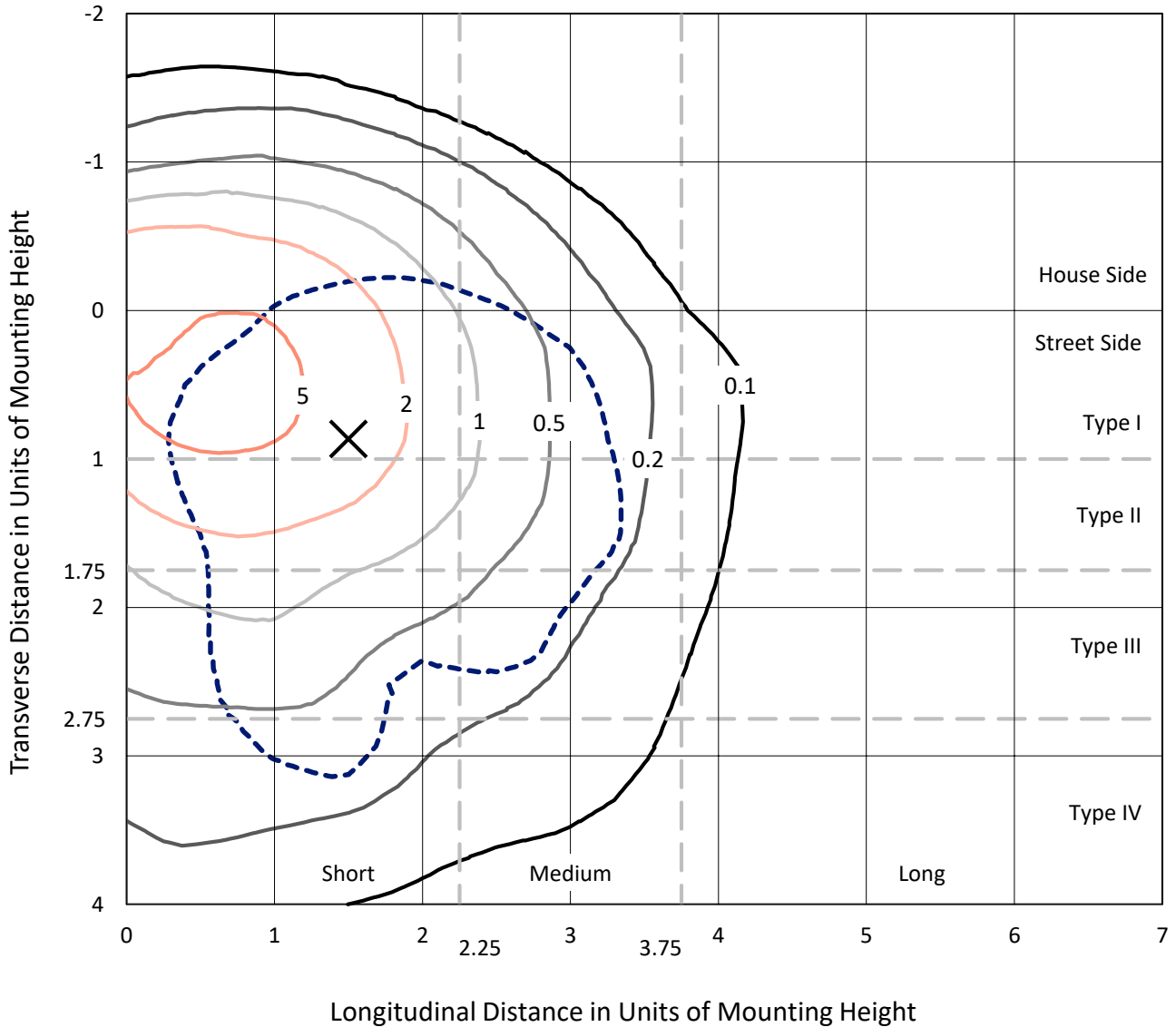
Lumens per Lamp: N/A
Luminaire Lumens: 11092.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 133.3
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

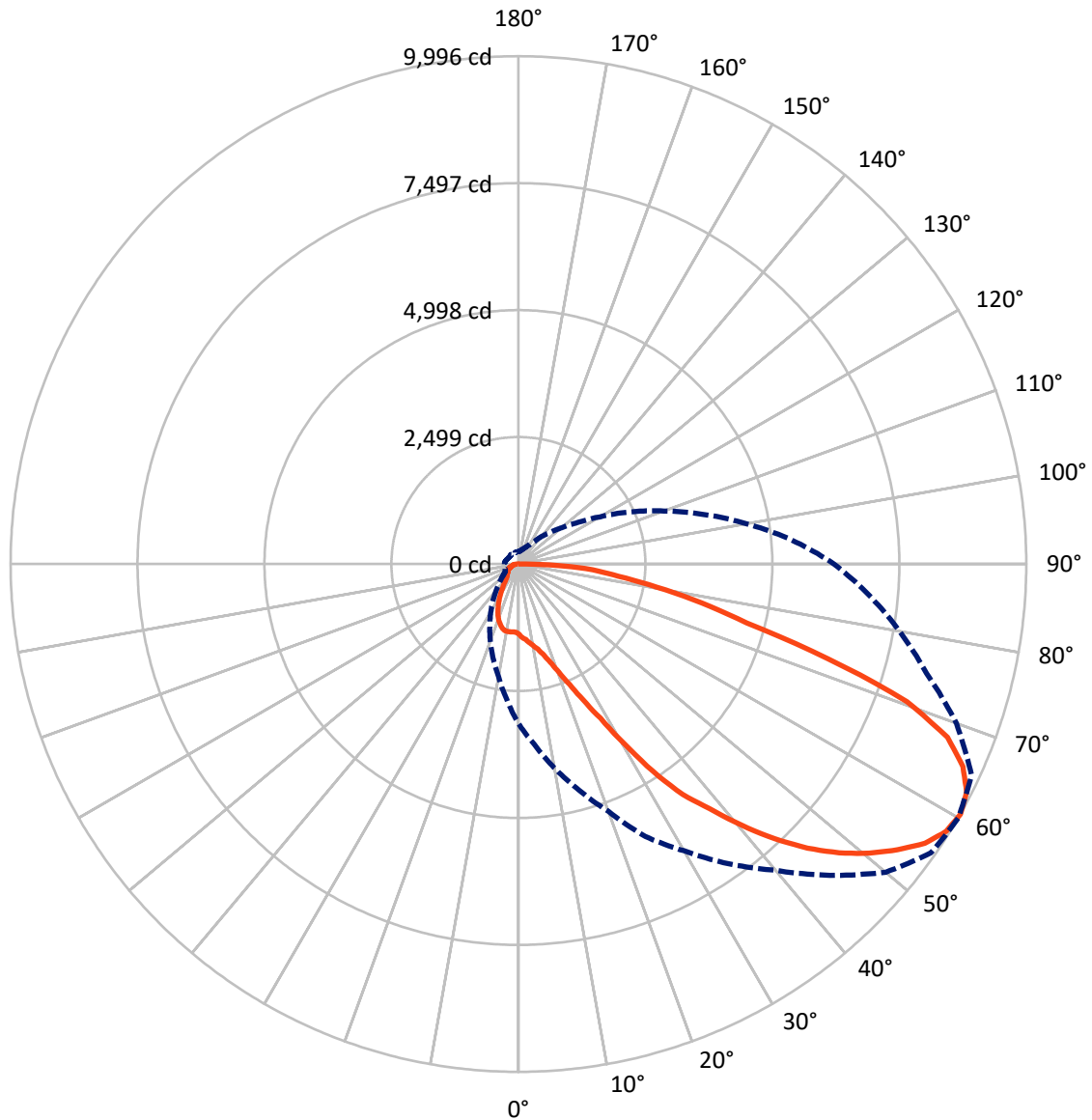
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 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 | 2497.6 | 0.0 | 2497.6 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| Street Side | Lumens | 8594.5 | 0.0 | 8594.5 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| Total | Lumens | 11092.1 | 0.0 | 11092.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 136.1 | 1.2 |
| 10°-20° | 439.4 | 4.0 |
| 20°-30° | 833.8 | 7.5 |
| 30°-40° | 1313.1 | 11.8 |
| 40°-50° | 1832.8 | 16.5 |
| 50°-60° | 2266.8 | 20.4 |
| 60°-70° | 2349.6 | 21.2 |
| 70°-80° | 1478.5 | 13.3 |
| 80°-90° | 442.0 | 4.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 11092.1 | 100.0 |
| 0°-180° | 11092.1 | 100.0 |



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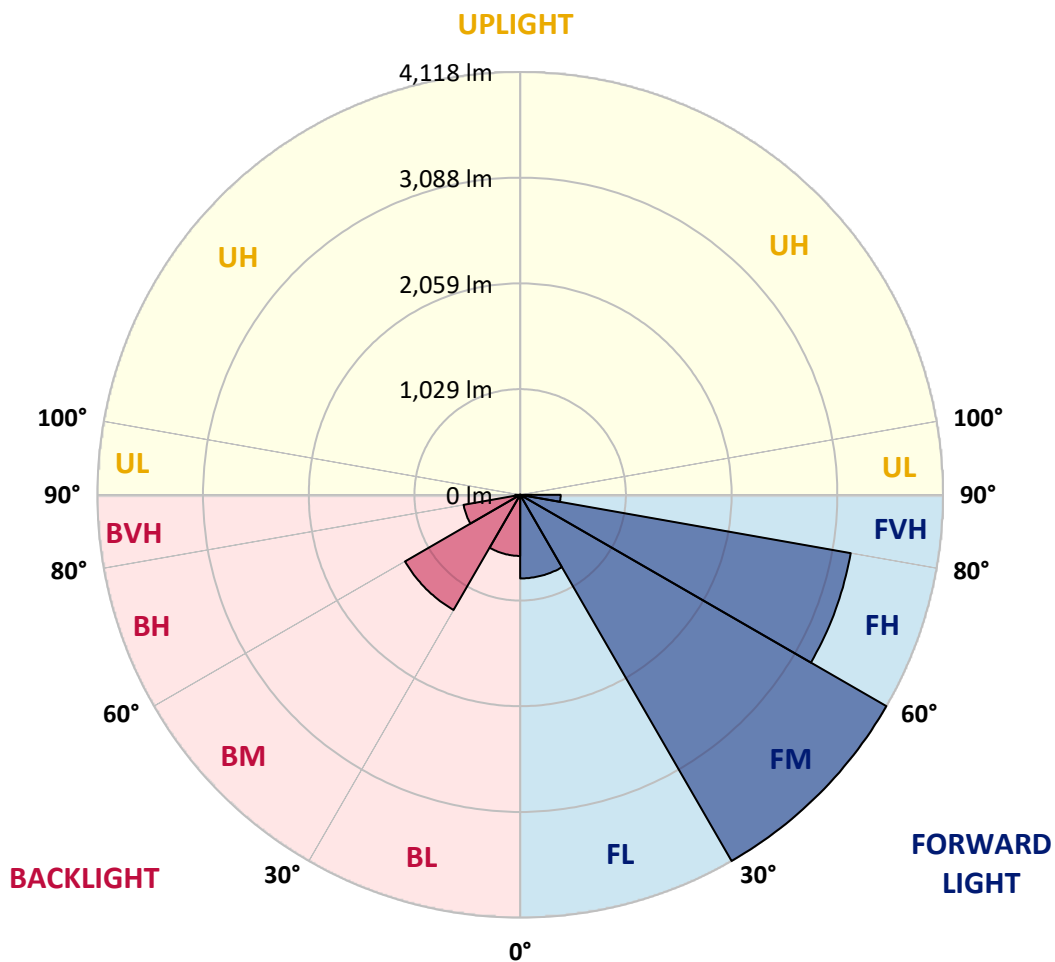
CATALOG NUMBER: VTS-F05-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 814.3 | 7.3 | | | |
| FM | (30°-60°) | 4117.6 | 37.1 | | | |
| FH | (60°-80°) | 3268.7 | 29.5 | | | G2/5000 |
| FVH | (80°-90°) | 393.9 | 3.6 | | | G3/500 |
| BL | (0°-30°) | 595.0 | 5.4 | B2/1000 | | |
| BM | (30°-60°) | 1295.2 | 11.7 | B2/2500 | | |
| BH | (60°-80°) | 559.3 | 5.0 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 48.1 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





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CATALOG NUMBER: VTS-F05-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 |
| 2.5° | 1461.2 | 1459.5 | 1459.5 | 1459.5 | 1458.7 | 1457.1 | 1459.5 | 1458.7 | 1454.6 | 1452.1 | 1454.6 |
| 5° | 1480.2 | 1481.0 | 1483.5 | 1484.3 | 1484.3 | 1486.8 | 1493.4 | 1494.2 | 1493.4 | 1495.0 | 1499.2 |
| 7.5° | 1498.3 | 1502.5 | 1504.9 | 1509.1 | 1514.0 | 1518.1 | 1529.7 | 1541.3 | 1548.7 | 1554.5 | 1556.1 |
| 10° | 1528.0 | 1534.7 | 1542.1 | 1552.8 | 1564.4 | 1585.0 | 1594.9 | 1606.5 | 1613.9 | 1625.5 | 1627.9 |
| 12.5° | 1604.0 | 1612.3 | 1617.2 | 1633.7 | 1648.6 | 1668.4 | 1682.4 | 1685.7 | 1703.1 | 1713.0 | 1724.5 |
| 15° | 1732.0 | 1744.3 | 1761.7 | 1771.6 | 1788.1 | 1805.4 | 1817.8 | 1834.3 | 1836.8 | 1850.0 | 1859.1 |
| 17.5° | 1888.8 | 1906.1 | 1941.6 | 1965.6 | 1987.0 | 2004.4 | 2029.1 | 2048.1 | 2052.3 | 2067.1 | 2048.1 |
| 20° | 2108.4 | 2150.5 | 2156.3 | 2204.2 | 2223.1 | 2257.8 | 2307.3 | 2316.4 | 2340.4 | 2316.4 | 2302.4 |
| 22.5° | 2405.6 | 2471.6 | 2489.8 | 2536.0 | 2559.1 | 2612.0 | 2626.8 | 2675.5 | 2692.0 | 2673.9 | 2635.9 |
| 25° | 2747.3 | 2849.7 | 2902.5 | 2973.5 | 2985.1 | 3093.2 | 3104.8 | 3161.8 | 3131.2 | 3087.5 | 3088.3 |
| 27.5° | 2999.1 | 3173.3 | 3309.5 | 3430.9 | 3515.9 | 3638.1 | 3733.0 | 3759.4 | 3730.5 | 3673.6 | 3653.8 |
| 30° | 3142.8 | 3340.1 | 3535.7 | 3703.3 | 3901.4 | 4088.0 | 4282.0 | 4378.6 | 4395.1 | 4424.8 | 4305.1 |
| 32.5° | 3235.2 | 3488.7 | 3721.5 | 3928.7 | 4131.8 | 4372.0 | 4632.0 | 4880.5 | 5089.4 | 5247.0 | 5172.7 |
| 35° | 3312.8 | 3625.7 | 3923.7 | 4174.7 | 4414.9 | 4676.6 | 4939.1 | 5232.2 | 5578.1 | 5780.3 | 5822.4 |
| 37.5° | 3344.2 | 3726.4 | 4091.3 | 4413.3 | 4750.9 | 5045.6 | 5306.5 | 5567.3 | 5930.6 | 6291.3 | 6402.8 |
| 40° | 3338.4 | 3776.0 | 4191.2 | 4595.7 | 5009.3 | 5377.5 | 5682.9 | 5991.7 | 6416.8 | 6838.6 | 7020.3 |
| 42.5° | 3299.6 | 3783.4 | 4254.8 | 4717.0 | 5188.4 | 5678.0 | 6068.4 | 6424.2 | 6832.0 | 7372.8 | 7629.5 |
| 45° | 3250.9 | 3757.8 | 4268.0 | 4779.0 | 5321.3 | 5887.6 | 6381.3 | 6821.3 | 7299.3 | 7833.4 | 8143.8 |
| 47.5° | 3184.9 | 3717.3 | 4251.5 | 4800.4 | 5380.8 | 6022.2 | 6602.5 | 7131.7 | 7657.6 | 8272.6 | 8666.4 |
| 50° | 3113.1 | 3659.6 | 4217.6 | 4784.7 | 5395.6 | 6095.7 | 6728.9 | 7331.5 | 7945.7 | 8609.4 | 9107.2 |
| 52.5° | 3062.7 | 3597.6 | 4187.1 | 4752.5 | 5380.8 | 6118.0 | 6775.1 | 7438.8 | 8122.3 | 8808.4 | 9402.7 |
| 55° | 3000.8 | 3515.1 | 4105.3 | 4677.4 | 5326.3 | 6105.6 | 6770.1 | 7476.0 | 8171.0 | 8885.1 | 9563.7 |
| 57.5° | 3004.9 | 3477.1 | 4036.0 | 4587.4 | 5214.8 | 5990.8 | 6676.8 | 7438.8 | 8094.3 | 8835.6 | 9569.5 |
| 60° | 3135.3 | 3558.8 | 4072.3 | 4605.6 | 5181.8 | 5918.2 | 6518.3 | 7199.4 | 7868.9 | 8664.7 | 9435.7 |
| 62.5° | 3404.5 | 3792.5 | 4258.9 | 4787.2 | 5367.6 | 6063.5 | 6446.5 | 6801.5 | 7395.9 | 8350.2 | 9207.9 |
| 65° | 3725.6 | 4075.6 | 4480.1 | 4982.9 | 5633.4 | 6299.6 | 6406.1 | 6477.9 | 6778.4 | 7738.5 | 8780.3 |
| 67.5° | 4046.7 | 4359.6 | 4677.4 | 5094.3 | 5784.5 | 6367.3 | 6241.0 | 6070.1 | 6231.9 | 7027.7 | 7939.9 |
| 70° | 4162.3 | 4577.5 | 4786.4 | 5072.9 | 5669.7 | 6209.6 | 5974.3 | 5544.2 | 5600.4 | 6323.5 | 6990.5 |
| 72.5° | 3988.9 | 4580.8 | 4650.2 | 4756.7 | 5158.7 | 5666.4 | 5417.9 | 4864.8 | 4853.3 | 5405.5 | 5944.6 |
| 75° | 3345.9 | 4178.8 | 4178.0 | 4138.4 | 4229.2 | 4518.1 | 4389.3 | 4055.8 | 4197.0 | 4632.0 | 4809.5 |
| 77.5° | 2384.9 | 3260.8 | 3302.1 | 3035.5 | 3028.9 | 3159.3 | 3236.9 | 3624.9 | 4136.7 | 4381.1 | 4324.9 |
| 80° | 1498.3 | 2200.0 | 2377.5 | 2048.1 | 1978.0 | 2162.9 | 2642.5 | 3207.2 | 3837.0 | 4056.6 | 3867.6 |
| 82.5° | 902.3 | 1417.4 | 1795.5 | 1608.9 | 1592.4 | 1929.3 | 2459.2 | 2678.8 | 2867.9 | 3101.5 | 2785.3 |
| 85° | 612.5 | 944.4 | 1228.4 | 1265.5 | 1410.0 | 1758.4 | 1988.7 | 1891.3 | 1896.2 | 1835.1 | 1671.7 |
| 87.5° | 117.2 | 257.6 | 421.0 | 513.5 | 569.6 | 765.3 | 832.1 | 753.7 | 795.8 | 582.0 | 636.5 |
| 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-F05-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 |
| 2.5° | 1450.4 | 1450.4 | 1450.4 | 1446.3 | 1447.1 | 1441.4 | 1438.9 | 1438.9 | 1436.4 | 1436.4 | 1435.6 |
| 5° | 1495.9 | 1490.9 | 1493.4 | 1492.5 | 1492.5 | 1484.3 | 1480.2 | 1480.2 | 1469.4 | 1470.3 | 1467.0 |
| 7.5° | 1563.5 | 1562.7 | 1565.2 | 1560.2 | 1553.6 | 1547.0 | 1540.4 | 1537.1 | 1522.3 | 1513.2 | 1507.4 |
| 10° | 1640.3 | 1639.5 | 1642.0 | 1641.1 | 1629.6 | 1617.2 | 1599.0 | 1585.8 | 1567.7 | 1553.6 | 1539.6 |
| 12.5° | 1724.5 | 1723.7 | 1722.0 | 1714.6 | 1702.2 | 1682.4 | 1659.3 | 1637.0 | 1609.8 | 1591.6 | 1571.0 |
| 15° | 1855.8 | 1853.3 | 1843.4 | 1832.7 | 1819.5 | 1788.9 | 1748.5 | 1716.3 | 1679.9 | 1648.6 | 1614.7 |
| 17.5° | 2049.8 | 2029.1 | 2027.5 | 2003.5 | 1968.1 | 1927.6 | 1889.6 | 1836.0 | 1784.0 | 1736.9 | 1690.7 |
| 20° | 2317.2 | 2269.4 | 2256.2 | 2228.9 | 2181.9 | 2139.8 | 2057.2 | 1985.4 | 1914.4 | 1850.0 | 1791.4 |
| 22.5° | 2608.7 | 2574.0 | 2541.8 | 2497.2 | 2432.8 | 2371.7 | 2266.9 | 2176.9 | 2086.1 | 2003.5 | 1938.3 |
| 25° | 3015.6 | 2955.4 | 2897.6 | 2826.6 | 2737.4 | 2664.8 | 2545.1 | 2454.3 | 2335.4 | 2260.3 | 2166.2 |
| 27.5° | 3541.5 | 3438.3 | 3340.9 | 3279.8 | 3123.0 | 3017.3 | 2864.6 | 2747.3 | 2603.7 | 2502.2 | 2390.7 |
| 30° | 4225.9 | 4106.2 | 3961.7 | 3750.4 | 3563.8 | 3354.1 | 3165.1 | 3014.8 | 2862.1 | 2720.1 | 2591.3 |
| 32.5° | 5074.5 | 4863.2 | 4634.5 | 4299.3 | 3993.1 | 3694.2 | 3442.4 | 3257.5 | 3101.5 | 2924.8 | 2743.2 |
| 35° | 5791.9 | 5573.9 | 5249.5 | 4823.5 | 4445.5 | 4103.7 | 3802.4 | 3549.8 | 3345.9 | 3122.1 | 2881.9 |
| 37.5° | 6358.2 | 6109.7 | 5805.1 | 5352.7 | 4953.1 | 4564.3 | 4248.2 | 3926.2 | 3658.7 | 3350.8 | 3047.0 |
| 40° | 7007.1 | 6757.7 | 6422.6 | 5953.7 | 5480.7 | 5058.8 | 4688.2 | 4355.5 | 4026.9 | 3651.3 | 3260.8 |
| 42.5° | 7572.5 | 7392.6 | 7053.3 | 6568.7 | 6044.5 | 5574.8 | 5169.4 | 4788.9 | 4359.6 | 3939.4 | 3477.1 |
| 45° | 8162.0 | 7978.7 | 7656.7 | 7149.9 | 6592.6 | 6069.3 | 5584.7 | 5175.2 | 4668.3 | 4168.1 | 3638.9 |
| 47.5° | 8682.9 | 8494.7 | 8169.4 | 7665.8 | 7073.9 | 6522.5 | 5989.2 | 5493.9 | 4905.3 | 4330.7 | 3744.6 |
| 50° | 9179.8 | 8949.5 | 8651.5 | 8149.6 | 7517.2 | 6927.8 | 6349.1 | 5713.5 | 5089.4 | 4444.6 | 3816.4 |
| 52.5° | 9636.4 | 9343.3 | 9061.0 | 8544.2 | 7860.6 | 7244.8 | 6599.2 | 5900.0 | 5202.5 | 4534.6 | 3865.1 |
| 55° | 9895.6 | 9706.5 | 9368.9 | 8861.2 | 8105.0 | 7462.7 | 6757.7 | 6031.3 | 5314.7 | 4598.2 | 3885.7 |
| 57.5° | 9975.6 | 9929.4 | 9646.3 | 9044.5 | 8248.6 | 7582.4 | 6865.1 | 6135.3 | 5389.9 | 4616.3 | 3856.9 |
| 60° | 9912.1 | 9996.3 | 9841.1 | 9173.2 | 8313.9 | 7617.9 | 6917.9 | 6209.6 | 5403.1 | 4558.5 | 3769.3 |
| 62.5° | 9708.2 | 9899.7 | 9879.9 | 9216.2 | 8280.0 | 7573.4 | 6912.1 | 6171.6 | 5279.2 | 4378.6 | 3572.9 |
| 65° | 9373.0 | 9614.1 | 9699.1 | 9056.8 | 8089.3 | 7410.7 | 6765.2 | 5933.0 | 4935.0 | 4026.9 | 3243.5 |
| 67.5° | 8742.3 | 9107.2 | 9189.7 | 8535.1 | 7590.7 | 6960.8 | 6341.7 | 5437.7 | 4297.7 | 3482.9 | 2729.2 |
| 70° | 7478.4 | 8116.6 | 8228.0 | 7541.2 | 6711.5 | 6158.4 | 5633.4 | 4652.7 | 3578.7 | 2793.6 | 2094.4 |
| 72.5° | 5970.2 | 6371.4 | 6599.2 | 6126.2 | 5508.7 | 5107.5 | 4709.6 | 3569.6 | 2700.3 | 2061.3 | 1441.4 |
| 75° | 4667.5 | 4643.6 | 4847.5 | 4533.0 | 4169.7 | 3982.3 | 3683.5 | 2490.6 | 1808.7 | 1365.4 | 912.2 |
| 77.5° | 3990.6 | 3683.5 | 3451.5 | 3230.3 | 3014.8 | 2955.4 | 2668.9 | 1545.4 | 1117.8 | 818.1 | 545.7 |
| 80° | 3317.0 | 2756.4 | 2332.9 | 2021.7 | 1944.9 | 2062.2 | 1746.8 | 911.4 | 662.1 | 469.7 | 342.6 |
| 82.5° | 2370.1 | 1982.9 | 1613.9 | 1416.6 | 1285.3 | 1471.9 | 1030.3 | 506.0 | 359.1 | 281.5 | 227.0 |
| 85° | 1536.3 | 1468.6 | 1452.9 | 1388.5 | 1229.2 | 1160.7 | 782.6 | 435.9 | 269.1 | 175.0 | 141.2 |
| 87.5° | 591.1 | 757.8 | 874.2 | 937.0 | 1012.9 | 902.3 | 407.8 | 150.2 | 147.8 | 90.8 | 68.5 |
| 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-F05-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 |
| 2.5° | 1429.8 | 1426.5 | 1425.7 | 1423.2 | 1421.6 | 1421.6 | 1417.4 | 1342.3 | 1341.5 | 1341.5 | 1340.7 |
| 5° | 1460.4 | 1456.2 | 1452.1 | 1451.3 | 1448.0 | 1448.0 | 1443.8 | 1368.7 | 1368.7 | 1368.7 | 1367.1 |
| 7.5° | 1501.6 | 1493.4 | 1488.4 | 1485.9 | 1481.0 | 1483.5 | 1486.8 | 1410.8 | 1411.6 | 1410.8 | 1412.5 |
| 10° | 1531.3 | 1526.4 | 1520.6 | 1519.0 | 1515.7 | 1518.1 | 1523.1 | 1448.0 | 1450.4 | 1451.3 | 1452.9 |
| 12.5° | 1560.2 | 1552.0 | 1544.6 | 1542.1 | 1540.4 | 1547.0 | 1552.8 | 1480.2 | 1482.6 | 1485.1 | 1485.1 |
| 15° | 1595.7 | 1581.7 | 1571.8 | 1566.0 | 1562.7 | 1569.3 | 1577.6 | 1505.8 | 1506.6 | 1509.1 | 1508.2 |
| 17.5° | 1656.0 | 1635.4 | 1612.3 | 1608.1 | 1597.4 | 1599.9 | 1601.5 | 1521.4 | 1518.1 | 1512.4 | 1502.5 |
| 20° | 1749.3 | 1717.9 | 1686.5 | 1673.3 | 1651.9 | 1642.8 | 1624.6 | 1522.3 | 1501.6 | 1484.3 | 1469.4 |
| 22.5° | 1883.0 | 1836.8 | 1802.9 | 1780.7 | 1736.9 | 1706.4 | 1656.8 | 1518.1 | 1479.3 | 1449.6 | 1426.5 |
| 25° | 2099.3 | 2044.0 | 1992.0 | 1935.9 | 1867.3 | 1806.2 | 1733.6 | 1554.5 | 1494.2 | 1443.0 | 1398.4 |
| 27.5° | 2309.8 | 2222.3 | 2142.2 | 2058.0 | 1961.4 | 1869.8 | 1767.4 | 1566.0 | 1497.5 | 1431.5 | 1358.8 |
| 30° | 2467.5 | 2340.4 | 2219.0 | 2096.0 | 1969.7 | 1850.8 | 1735.3 | 1526.4 | 1444.7 | 1370.4 | 1293.6 |
| 32.5° | 2563.3 | 2398.1 | 2240.5 | 2087.8 | 1939.2 | 1805.4 | 1675.8 | 1457.9 | 1367.9 | 1280.4 | 1198.7 |
| 35° | 2654.1 | 2449.3 | 2253.7 | 2073.7 | 1903.7 | 1755.1 | 1615.6 | 1377.8 | 1270.5 | 1177.2 | 1074.0 |
| 37.5° | 2766.3 | 2503.0 | 2261.9 | 2048.1 | 1851.7 | 1681.6 | 1528.0 | 1277.1 | 1169.8 | 1055.0 | 957.6 |
| 40° | 2900.9 | 2558.3 | 2253.7 | 1996.9 | 1770.8 | 1585.0 | 1422.4 | 1171.4 | 1051.7 | 940.3 | 844.5 |
| 42.5° | 3028.9 | 2607.0 | 2232.2 | 1928.4 | 1682.4 | 1484.3 | 1325.8 | 1077.3 | 957.6 | 843.7 | 748.8 |
| 45° | 3123.8 | 2648.3 | 2221.5 | 1880.5 | 1614.7 | 1415.8 | 1240.8 | 1001.4 | 875.1 | 760.3 | 663.7 |
| 47.5° | 3189.8 | 2673.0 | 2216.5 | 1854.1 | 1567.7 | 1344.8 | 1163.2 | 925.4 | 792.5 | 676.9 | 582.8 |
| 50° | 3224.5 | 2672.2 | 2204.2 | 1825.2 | 1498.3 | 1259.8 | 1083.1 | 848.6 | 716.6 | 603.5 | 517.6 |
| 52.5° | 3233.6 | 2657.4 | 2177.7 | 1772.4 | 1414.1 | 1174.7 | 997.2 | 768.6 | 649.7 | 541.5 | 454.9 |
| 55° | 3212.9 | 2621.0 | 2122.4 | 1684.1 | 1324.1 | 1084.7 | 918.8 | 705.8 | 584.5 | 482.1 | 414.4 |
| 57.5° | 3154.3 | 2556.7 | 2018.4 | 1562.7 | 1229.2 | 1001.4 | 828.8 | 629.9 | 513.5 | 427.6 | 371.5 |
| 60° | 3045.4 | 2420.4 | 1855.8 | 1419.1 | 1108.7 | 874.2 | 705.0 | 530.8 | 438.4 | 374.0 | 328.6 |
| 62.5° | 2843.9 | 2206.6 | 1627.1 | 1221.0 | 935.3 | 709.1 | 563.0 | 423.5 | 354.2 | 312.0 | 284.0 |
| 65° | 2519.5 | 1884.7 | 1362.1 | 961.7 | 710.8 | 516.0 | 418.5 | 318.7 | 268.3 | 242.7 | 234.4 |
| 67.5° | 2056.4 | 1455.4 | 990.6 | 667.8 | 481.3 | 361.6 | 291.4 | 232.8 | 208.9 | 199.0 | 195.6 |
| 70° | 1495.0 | 991.5 | 641.4 | 421.8 | 317.8 | 252.6 | 220.4 | 187.4 | 174.2 | 171.7 | 171.7 |
| 72.5° | 938.6 | 602.6 | 392.9 | 288.9 | 241.1 | 204.7 | 188.2 | 165.1 | 160.2 | 158.5 | 156.0 |
| 75° | 550.6 | 365.7 | 278.2 | 236.9 | 206.4 | 183.3 | 169.2 | 150.2 | 146.9 | 146.1 | 143.6 |
| 77.5° | 350.8 | 263.3 | 224.5 | 202.3 | 186.6 | 165.9 | 153.5 | 133.7 | 132.9 | 132.1 | 131.3 |
| 80° | 251.8 | 218.8 | 196.5 | 179.1 | 163.5 | 144.5 | 137.0 | 121.4 | 119.7 | 118.9 | 120.5 |
| 82.5° | 190.7 | 180.8 | 171.7 | 158.5 | 137.0 | 123.0 | 117.2 | 106.5 | 107.3 | 103.2 | 102.4 |
| 85° | 131.3 | 129.6 | 128.8 | 123.0 | 107.3 | 94.9 | 90.8 | 85.0 | 89.2 | 85.0 | 80.1 |
| 87.5° | 64.4 | 63.6 | 58.6 | 69.3 | 64.4 | 51.2 | 46.2 | 51.2 | 57.0 | 55.3 | 51.2 |
| 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: P158785

CATALOG NUMBER: VTS-F05-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 |
| 2.5° | 1337.4 | 1334.0 | 1336.5 | 1334.9 | 1334.9 | 1334.0 | 1335.7 | 1333.2 | 1331.6 | 1333.2 | 1334.0 |
| 5° | 1363.8 | 1359.6 | 1360.5 | 1354.7 | 1357.2 | 1351.4 | 1353.0 | 1348.9 | 1344.8 | 1343.1 | 1343.1 |
| 7.5° | 1408.3 | 1404.2 | 1399.3 | 1398.4 | 1389.4 | 1386.1 | 1380.3 | 1377.0 | 1374.5 | 1368.7 | 1365.4 |
| 10° | 1448.8 | 1442.2 | 1436.4 | 1435.6 | 1426.5 | 1418.3 | 1410.8 | 1404.2 | 1400.1 | 1391.8 | 1387.7 |
| 12.5° | 1481.8 | 1475.2 | 1466.1 | 1461.2 | 1452.1 | 1442.2 | 1437.2 | 1427.3 | 1421.6 | 1412.5 | 1405.0 |
| 15° | 1500.8 | 1489.2 | 1476.0 | 1467.0 | 1453.7 | 1443.0 | 1435.6 | 1428.2 | 1422.4 | 1410.8 | 1400.1 |
| 17.5° | 1491.7 | 1472.7 | 1454.6 | 1438.1 | 1419.9 | 1410.0 | 1399.3 | 1390.2 | 1388.5 | 1375.3 | 1358.8 |
| 20° | 1453.7 | 1431.5 | 1407.5 | 1385.2 | 1361.3 | 1347.3 | 1334.0 | 1320.0 | 1315.9 | 1300.2 | 1278.7 |
| 22.5° | 1407.5 | 1381.9 | 1354.7 | 1327.4 | 1296.9 | 1277.1 | 1257.3 | 1239.9 | 1225.9 | 1202.8 | 1172.2 |
| 25° | 1360.5 | 1322.5 | 1282.9 | 1248.2 | 1212.7 | 1187.9 | 1167.3 | 1148.3 | 1131.8 | 1094.6 | 1063.3 |
| 27.5° | 1298.6 | 1239.1 | 1198.7 | 1159.0 | 1116.1 | 1083.9 | 1060.8 | 1034.4 | 1016.2 | 973.3 | 940.3 |
| 30° | 1219.3 | 1159.9 | 1102.1 | 1062.5 | 1019.5 | 984.9 | 955.1 | 917.2 | 890.7 | 859.4 | 828.8 |
| 32.5° | 1119.4 | 1060.0 | 1001.4 | 956.8 | 921.3 | 878.4 | 841.2 | 804.9 | 774.3 | 743.8 | 719.9 |
| 35° | 998.1 | 940.3 | 885.0 | 840.4 | 800.8 | 766.9 | 731.4 | 700.0 | 665.4 | 632.4 | 618.3 |
| 37.5° | 870.1 | 808.2 | 747.1 | 708.3 | 676.9 | 653.0 | 620.0 | 594.4 | 563.0 | 543.2 | 526.7 |
| 40° | 758.7 | 692.6 | 634.8 | 601.8 | 577.0 | 549.8 | 522.6 | 502.7 | 480.5 | 460.6 | 448.3 |
| 42.5° | 664.5 | 602.6 | 553.1 | 525.0 | 495.3 | 465.6 | 445.0 | 428.4 | 414.4 | 399.6 | 384.7 |
| 45° | 577.9 | 518.4 | 477.2 | 442.5 | 417.7 | 393.8 | 379.7 | 372.3 | 364.1 | 355.0 | 345.1 |
| 47.5° | 505.2 | 454.0 | 413.6 | 381.4 | 355.8 | 339.3 | 332.7 | 330.2 | 326.9 | 319.5 | 314.5 |
| 50° | 449.9 | 407.8 | 366.5 | 337.6 | 316.2 | 307.9 | 300.5 | 298.0 | 293.9 | 291.4 | 288.1 |
| 52.5° | 403.7 | 359.1 | 324.4 | 298.0 | 284.8 | 281.5 | 278.2 | 274.9 | 274.1 | 272.4 | 270.8 |
| 55° | 365.7 | 326.9 | 294.7 | 274.9 | 268.3 | 265.8 | 265.0 | 261.7 | 260.9 | 260.9 | 258.4 |
| 57.5° | 331.9 | 298.8 | 269.9 | 257.6 | 253.4 | 251.0 | 249.3 | 247.7 | 247.7 | 249.3 | 248.5 |
| 60° | 297.2 | 269.1 | 251.8 | 245.2 | 242.7 | 238.6 | 234.4 | 232.8 | 233.6 | 237.8 | 237.8 |
| 62.5° | 263.3 | 242.7 | 232.0 | 229.5 | 227.0 | 223.7 | 218.8 | 217.1 | 218.8 | 223.7 | 226.2 |
| 65° | 226.2 | 217.1 | 213.8 | 212.2 | 210.5 | 208.0 | 204.7 | 203.1 | 203.9 | 206.4 | 209.7 |
| 67.5° | 192.3 | 191.5 | 191.5 | 192.3 | 191.5 | 190.7 | 189.0 | 186.6 | 185.7 | 185.7 | 187.4 |
| 70° | 171.7 | 171.7 | 174.2 | 174.2 | 173.4 | 173.4 | 170.9 | 168.4 | 166.8 | 165.1 | 165.9 |
| 72.5° | 156.0 | 156.0 | 156.8 | 157.7 | 156.8 | 156.8 | 153.5 | 151.9 | 147.8 | 146.9 | 145.3 |
| 75° | 142.8 | 141.2 | 141.2 | 140.3 | 139.5 | 140.3 | 137.0 | 132.9 | 131.3 | 130.4 | 128.8 |
| 77.5° | 129.6 | 126.3 | 124.7 | 123.0 | 123.8 | 123.0 | 120.5 | 118.1 | 115.6 | 114.7 | 113.9 |
| 80° | 114.7 | 109.8 | 107.3 | 103.2 | 105.7 | 106.5 | 104.8 | 102.4 | 101.5 | 100.7 | 99.9 |
| 82.5° | 94.9 | 90.0 | 86.7 | 84.2 | 82.6 | 84.2 | 86.7 | 92.5 | 90.8 | 90.0 | 88.3 |
| 85° | 74.3 | 66.0 | 61.9 | 62.7 | 58.6 | 59.4 | 66.9 | 70.2 | 70.2 | 71.8 | 70.2 |
| 87.5° | 42.1 | 40.5 | 30.5 | 28.1 | 29.7 | 35.5 | 39.6 | 43.8 | 43.8 | 41.3 | 46.2 |
| 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: P158785

CATALOG NUMBER: VTS-F05-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 |
| 2.5° | 1334.0 | 1335.7 | 1336.5 | 1339.8 | 1341.5 | 1342.3 | 1343.1 | 1344.8 | 1345.6 | 1344.8 | 1348.9 |
| 5° | 1340.7 | 1340.7 | 1339.0 | 1341.5 | 1342.3 | 1342.3 | 1340.7 | 1342.3 | 1342.3 | 1342.3 | 1346.4 |
| 7.5° | 1358.0 | 1353.0 | 1350.6 | 1347.3 | 1344.8 | 1341.5 | 1337.4 | 1337.4 | 1336.5 | 1337.4 | 1339.8 |
| 10° | 1376.2 | 1368.7 | 1359.6 | 1351.4 | 1344.0 | 1338.2 | 1330.7 | 1328.3 | 1327.4 | 1326.6 | 1333.2 |
| 12.5° | 1390.2 | 1377.0 | 1362.9 | 1348.9 | 1334.0 | 1324.1 | 1311.8 | 1304.3 | 1303.5 | 1303.5 | 1311.8 |
| 15° | 1380.3 | 1358.8 | 1331.6 | 1306.8 | 1293.6 | 1279.6 | 1265.5 | 1256.4 | 1255.6 | 1257.3 | 1262.2 |
| 17.5° | 1330.7 | 1296.1 | 1272.1 | 1248.2 | 1230.9 | 1219.3 | 1210.2 | 1208.6 | 1211.9 | 1208.6 | 1215.2 |
| 20° | 1246.5 | 1209.4 | 1192.9 | 1173.9 | 1167.3 | 1159.0 | 1145.8 | 1134.3 | 1134.3 | 1119.4 | 1123.5 |
| 22.5° | 1137.6 | 1116.9 | 1095.5 | 1080.6 | 1075.7 | 1061.6 | 1047.6 | 1031.9 | 1030.3 | 1012.1 | 1009.6 |
| 25° | 1023.7 | 1003.0 | 985.7 | 982.4 | 967.5 | 948.5 | 935.3 | 917.2 | 913.0 | 894.9 | 892.4 |
| 27.5° | 907.3 | 890.7 | 873.4 | 863.5 | 855.2 | 834.6 | 823.0 | 801.6 | 793.3 | 773.5 | 771.0 |
| 30° | 796.6 | 785.1 | 764.4 | 756.2 | 740.5 | 716.6 | 691.8 | 678.6 | 672.0 | 651.3 | 644.7 |
| 32.5° | 692.6 | 674.5 | 658.8 | 648.9 | 629.0 | 601.8 | 579.5 | 560.5 | 548.1 | 523.4 | 516.8 |
| 35° | 593.6 | 575.4 | 568.0 | 542.4 | 525.0 | 506.9 | 476.3 | 464.8 | 442.5 | 423.5 | 416.9 |
| 37.5° | 506.0 | 488.7 | 478.8 | 457.3 | 440.0 | 421.8 | 403.7 | 388.8 | 378.1 | 374.0 | 374.0 |
| 40° | 430.9 | 421.8 | 409.5 | 393.8 | 382.2 | 369.0 | 359.1 | 354.2 | 353.3 | 355.0 | 359.1 |
| 42.5° | 377.3 | 367.4 | 359.1 | 350.8 | 342.6 | 340.9 | 338.5 | 341.8 | 345.9 | 350.0 | 354.2 |
| 45° | 336.8 | 328.6 | 323.6 | 320.3 | 319.5 | 322.0 | 326.9 | 331.9 | 339.3 | 344.2 | 347.5 |
| 47.5° | 307.9 | 301.3 | 299.7 | 298.8 | 303.0 | 310.4 | 317.0 | 324.4 | 330.2 | 335.2 | 338.5 |
| 50° | 283.2 | 277.4 | 276.6 | 275.7 | 281.5 | 288.1 | 293.9 | 303.8 | 307.9 | 311.2 | 313.7 |
| 52.5° | 265.8 | 260.9 | 258.4 | 259.2 | 265.0 | 270.8 | 279.0 | 286.5 | 292.2 | 294.7 | 297.2 |
| 55° | 251.8 | 250.1 | 244.4 | 246.8 | 252.6 | 260.0 | 268.3 | 276.6 | 282.3 | 286.5 | 290.6 |
| 57.5° | 241.1 | 236.9 | 232.8 | 236.9 | 242.7 | 250.1 | 260.0 | 267.5 | 274.9 | 280.7 | 284.8 |
| 60° | 229.5 | 226.2 | 222.9 | 227.0 | 232.8 | 240.2 | 247.7 | 257.6 | 266.6 | 272.4 | 276.6 |
| 62.5° | 219.6 | 217.1 | 213.8 | 214.6 | 217.1 | 222.1 | 226.2 | 235.3 | 243.5 | 251.0 | 255.9 |
| 65° | 205.6 | 204.7 | 199.8 | 200.6 | 202.3 | 207.2 | 210.5 | 218.8 | 227.0 | 233.6 | 237.8 |
| 67.5° | 184.9 | 183.3 | 183.3 | 185.7 | 186.6 | 189.0 | 191.5 | 199.8 | 206.4 | 211.3 | 216.3 |
| 70° | 164.3 | 163.5 | 163.5 | 165.1 | 164.3 | 166.8 | 170.1 | 177.5 | 185.7 | 190.7 | 195.6 |
| 72.5° | 144.5 | 144.5 | 143.6 | 145.3 | 145.3 | 146.1 | 150.2 | 156.8 | 164.3 | 168.4 | 171.7 |
| 75° | 127.1 | 126.3 | 126.3 | 126.3 | 127.1 | 127.1 | 131.3 | 137.0 | 144.5 | 146.9 | 151.9 |
| 77.5° | 111.4 | 111.4 | 111.4 | 111.4 | 112.3 | 111.4 | 113.9 | 118.1 | 120.5 | 124.7 | 124.7 |
| 80° | 98.2 | 97.4 | 98.2 | 99.1 | 99.1 | 98.2 | 98.2 | 99.1 | 99.9 | 99.9 | 99.9 |
| 82.5° | 86.7 | 84.2 | 85.9 | 90.0 | 90.0 | 90.0 | 89.2 | 83.4 | 79.3 | 79.3 | 80.9 |
| 85° | 69.3 | 69.3 | 70.2 | 75.9 | 76.8 | 73.5 | 76.8 | 68.5 | 60.3 | 57.8 | 59.4 |
| 87.5° | 42.9 | 33.8 | 41.3 | 47.1 | 47.1 | 44.6 | 49.5 | 46.2 | 38.8 | 31.4 | 29.7 |
| 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: P158785
 CATALOG NUMBER: VTS-F05-LED-E1-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 0° |
| 2.5° | 1352.2 | 1353.0 | 1358.0 | 1360.5 | 1360.5 | 1363.8 | 1365.4 | 1370.4 | 1369.5 | 1369.5 | 1371.2 | 2.5° |
| 5° | 1350.6 | 1353.0 | 1358.0 | 1361.3 | 1362.9 | 1367.1 | 1370.4 | 1376.2 | 1375.3 | 1377.0 | 1377.8 | 5° |
| 7.5° | 1344.8 | 1351.4 | 1356.3 | 1362.9 | 1368.7 | 1372.0 | 1376.2 | 1381.1 | 1379.5 | 1380.3 | 1379.5 | 7.5° |
| 10° | 1339.8 | 1346.4 | 1356.3 | 1365.4 | 1373.7 | 1378.6 | 1381.1 | 1386.9 | 1386.1 | 1387.7 | 1387.7 | 10° |
| 12.5° | 1320.0 | 1331.6 | 1344.0 | 1358.0 | 1370.4 | 1383.6 | 1391.8 | 1404.2 | 1410.0 | 1417.4 | 1425.7 | 12.5° |
| 15° | 1269.7 | 1282.9 | 1302.7 | 1318.4 | 1342.3 | 1360.5 | 1384.4 | 1408.3 | 1429.8 | 1450.4 | 1474.4 | 15° |
| 17.5° | 1220.1 | 1225.9 | 1241.6 | 1263.1 | 1284.5 | 1311.8 | 1340.7 | 1383.6 | 1422.4 | 1464.5 | 1510.7 | 17.5° |
| 20° | 1128.5 | 1138.4 | 1149.1 | 1174.7 | 1200.3 | 1239.1 | 1274.6 | 1330.7 | 1387.7 | 1453.7 | 1524.7 | 20° |
| 22.5° | 1015.4 | 1025.3 | 1036.9 | 1065.8 | 1097.1 | 1136.7 | 1179.7 | 1242.4 | 1318.4 | 1404.2 | 1499.2 | 22.5° |
| 25° | 893.2 | 899.0 | 908.1 | 937.0 | 956.0 | 1008.0 | 1060.0 | 1125.2 | 1207.7 | 1318.4 | 1429.0 | 25° |
| 27.5° | 758.7 | 769.4 | 776.8 | 790.0 | 833.8 | 878.4 | 932.8 | 1003.0 | 1102.9 | 1216.0 | 1349.7 | 27.5° |
| 30° | 629.9 | 639.0 | 634.8 | 662.9 | 691.8 | 738.8 | 797.5 | 875.1 | 970.8 | 1105.4 | 1259.8 | 30° |
| 32.5° | 503.6 | 510.2 | 507.7 | 527.5 | 556.4 | 603.5 | 658.8 | 743.0 | 844.5 | 988.2 | 1155.7 | 32.5° |
| 35° | 415.2 | 416.9 | 426.0 | 435.1 | 459.8 | 497.8 | 544.8 | 618.3 | 722.3 | 854.4 | 1031.9 | 35° |
| 37.5° | 374.0 | 377.3 | 383.0 | 395.4 | 413.6 | 440.8 | 479.6 | 536.6 | 625.7 | 742.1 | 900.6 | 37.5° |
| 40° | 361.6 | 364.1 | 367.4 | 375.6 | 392.9 | 416.9 | 451.6 | 499.4 | 564.7 | 662.9 | 791.7 | 40° |
| 42.5° | 355.8 | 355.8 | 355.8 | 360.8 | 374.0 | 399.6 | 439.2 | 486.2 | 543.2 | 617.5 | 721.5 | 42.5° |
| 45° | 347.5 | 347.5 | 346.7 | 349.2 | 358.3 | 383.9 | 426.8 | 479.6 | 540.7 | 611.7 | 701.7 | 45° |
| 47.5° | 338.5 | 337.6 | 335.2 | 335.2 | 340.9 | 366.5 | 411.1 | 468.1 | 534.9 | 616.7 | 713.3 | 47.5° |
| 50° | 313.7 | 313.7 | 313.7 | 316.2 | 321.1 | 344.2 | 392.1 | 452.4 | 529.2 | 620.0 | 731.4 | 50° |
| 52.5° | 299.7 | 300.5 | 303.0 | 303.0 | 307.9 | 331.9 | 382.2 | 449.1 | 532.5 | 632.4 | 754.5 | 52.5° |
| 55° | 293.1 | 295.5 | 298.0 | 298.0 | 302.1 | 326.9 | 378.9 | 451.6 | 544.8 | 657.9 | 794.2 | 55° |
| 57.5° | 287.3 | 289.8 | 291.4 | 291.4 | 294.7 | 316.2 | 369.8 | 447.4 | 552.3 | 682.7 | 842.9 | 57.5° |
| 60° | 276.6 | 278.2 | 279.0 | 279.0 | 279.9 | 298.0 | 349.2 | 427.6 | 535.8 | 681.1 | 869.3 | 60° |
| 62.5° | 256.7 | 260.0 | 260.9 | 261.7 | 261.7 | 279.0 | 322.8 | 395.4 | 500.3 | 656.3 | 861.8 | 62.5° |
| 65° | 241.9 | 243.5 | 246.0 | 247.7 | 251.0 | 262.5 | 297.2 | 356.6 | 454.0 | 606.8 | 820.6 | 65° |
| 67.5° | 218.8 | 221.2 | 223.7 | 227.0 | 230.3 | 237.8 | 265.0 | 312.9 | 391.3 | 522.6 | 728.1 | 67.5° |
| 70° | 198.1 | 199.0 | 201.4 | 205.6 | 206.4 | 210.5 | 230.3 | 263.3 | 320.3 | 419.4 | 586.1 | 70° |
| 72.5° | 172.5 | 174.2 | 177.5 | 182.4 | 182.4 | 185.7 | 197.3 | 214.6 | 251.0 | 320.3 | 432.6 | 72.5° |
| 75° | 150.2 | 151.9 | 154.4 | 154.4 | 150.2 | 151.1 | 159.3 | 171.7 | 199.0 | 241.1 | 315.4 | 75° |
| 77.5° | 124.7 | 128.0 | 130.4 | 125.5 | 123.8 | 126.3 | 130.4 | 139.5 | 159.3 | 191.5 | 236.9 | 77.5° |
| 80° | 103.2 | 104.8 | 105.7 | 106.5 | 104.8 | 107.3 | 110.6 | 116.4 | 129.6 | 154.4 | 187.4 | 80° |
| 82.5° | 82.6 | 84.2 | 86.7 | 90.0 | 90.0 | 99.1 | 99.9 | 99.9 | 107.3 | 123.0 | 146.9 | 82.5° |
| 85° | 61.1 | 64.4 | 67.7 | 71.8 | 72.6 | 77.6 | 75.1 | 74.3 | 76.8 | 91.6 | 101.5 | 85° |
| 87.5° | 31.4 | 33.8 | 35.5 | 38.8 | 34.7 | 36.3 | 36.3 | 33.8 | 29.7 | 37.1 | 41.3 | 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: P158785

NUMBER: VTS-F05-LED-E1-SLL

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 | 1379.5 |
| 1372.8 | 1371.2 | 1372.8 | 1372.8 | 1375.3 | 1373.7 | 1461.2 |
| 1379.5 | 1377.8 | 1379.5 | 1381.1 | 1383.6 | 1383.6 | 1480.2 |
| 1380.3 | 1380.3 | 1378.6 | 1382.8 | 1386.1 | 1389.4 | 1498.3 |
| 1390.2 | 1390.2 | 1391.8 | 1392.7 | 1400.1 | 1408.3 | 1528.0 |
| 1430.6 | 1434.8 | 1442.2 | 1444.7 | 1457.9 | 1467.0 | 1604.0 |
| 1492.5 | 1515.7 | 1530.5 | 1535.5 | 1547.0 | 1564.4 | 1732.0 |
| 1555.3 | 1594.1 | 1634.5 | 1659.3 | 1674.2 | 1694.8 | 1888.8 |
| 1602.3 | 1675.0 | 1744.3 | 1806.2 | 1841.7 | 1882.2 | 2108.4 |
| 1606.5 | 1722.0 | 1839.3 | 1954.0 | 2049.0 | 2124.1 | 2405.6 |
| 1566.8 | 1718.7 | 1880.5 | 2056.4 | 2219.8 | 2355.2 | 2747.3 |
| 1516.5 | 1703.1 | 1909.4 | 2134.0 | 2348.6 | 2548.4 | 2999.1 |
| 1452.9 | 1676.6 | 1914.4 | 2167.0 | 2418.8 | 2659.0 | 3142.8 |
| 1356.3 | 1598.2 | 1855.0 | 2134.0 | 2426.2 | 2718.5 | 3235.2 |
| 1232.5 | 1479.3 | 1742.7 | 2060.5 | 2391.5 | 2742.4 | 3312.8 |
| 1106.2 | 1349.7 | 1632.9 | 1962.3 | 2336.2 | 2738.3 | 3344.2 |
| 972.5 | 1214.3 | 1504.1 | 1857.4 | 2261.1 | 2700.3 | 3338.4 |
| 881.7 | 1102.1 | 1386.1 | 1750.9 | 2177.7 | 2649.9 | 3299.6 |
| 828.8 | 1022.0 | 1292.8 | 1653.5 | 2101.8 | 2589.7 | 3250.9 |
| 828.0 | 998.1 | 1243.2 | 1584.2 | 2025.0 | 2522.8 | 3184.9 |
| 856.9 | 1012.9 | 1237.5 | 1554.5 | 1982.9 | 2474.1 | 3113.1 |
| 890.7 | 1054.2 | 1268.0 | 1565.2 | 1982.1 | 2452.6 | 3062.7 |
| 944.4 | 1124.4 | 1334.9 | 1611.4 | 2003.5 | 2449.3 | 3000.8 |
| 1012.9 | 1219.3 | 1455.4 | 1725.3 | 2086.9 | 2514.5 | 3004.9 |
| 1083.1 | 1330.7 | 1613.1 | 1920.2 | 2251.2 | 2666.4 | 3135.3 |
| 1108.7 | 1416.6 | 1773.2 | 2148.8 | 2497.2 | 2894.3 | 3404.5 |
| 1086.4 | 1436.4 | 1870.6 | 2326.3 | 2736.6 | 3160.9 | 3725.6 |
| 1003.8 | 1356.3 | 1831.0 | 2376.7 | 2874.5 | 3350.0 | 4046.7 |
| 826.4 | 1157.4 | 1651.0 | 2263.6 | 2863.7 | 3388.8 | 4162.3 |
| 605.9 | 897.3 | 1342.3 | 1923.5 | 2545.9 | 3146.1 | 3988.9 |
| 437.5 | 634.8 | 969.2 | 1448.8 | 2012.6 | 2533.5 | 3345.9 |
| 313.7 | 440.0 | 629.0 | 951.8 | 1371.2 | 1764.1 | 2384.9 |
| 225.4 | 298.8 | 392.1 | 571.3 | 835.4 | 1083.1 | 1498.3 |
| 165.9 | 204.7 | 257.6 | 355.0 | 492.0 | 630.7 | 902.3 |
| 113.1 | 120.5 | 155.2 | 209.7 | 322.8 | 463.9 | 612.5 |
| 42.9 | 48.7 | 57.0 | 85.9 | 144.5 | 165.9 | 117.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)