

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: P159235

Luminaire Tested: **VTS-F06-LED-E1-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159235
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-T2
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

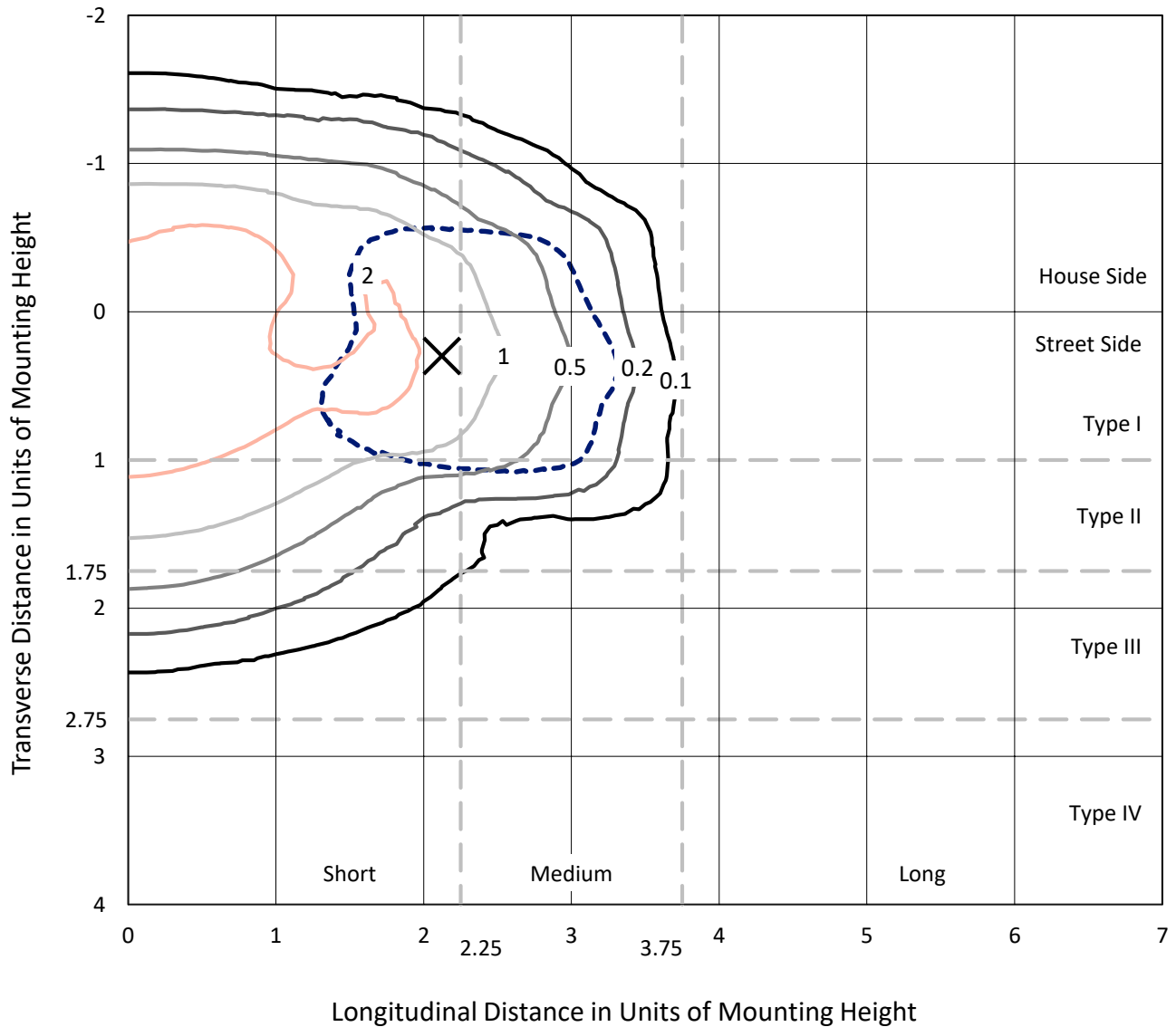
Lumens per Lamp: N/A
Luminaire Lumens: 15289 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 156.5
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

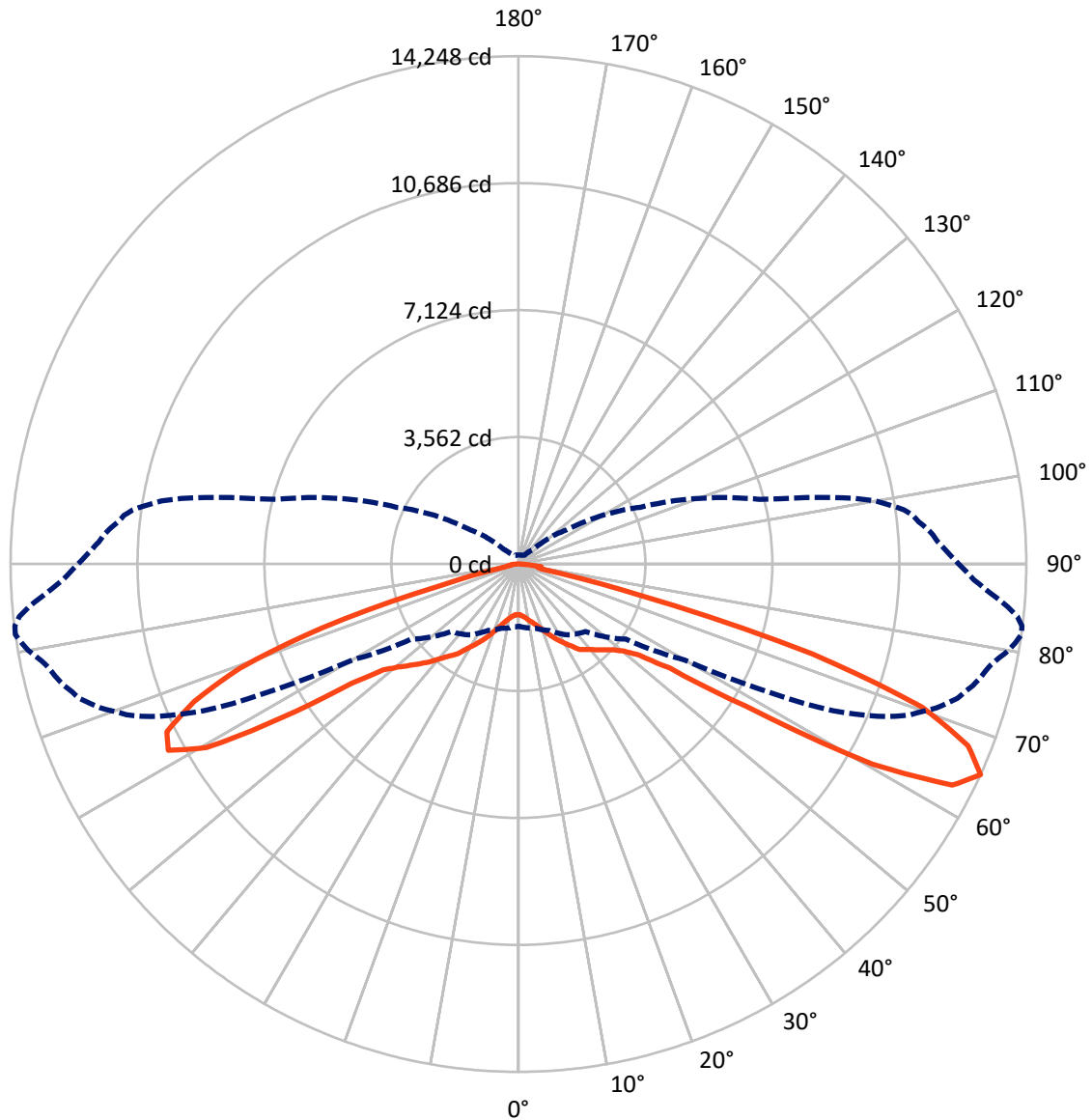
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5692.6	0.0	5692.6
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	9596.4	0.0	9596.4
	% Fixture	62.8	0.0	62.8
Total	Lumens	15289.0	0.0	15289.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	0.9
10°-20°	506.0	3.3
20°-30°	1002.7	6.6
30°-40°	1718.8	11.2
40°-50°	2582.0	16.9
50°-60°	3587.3	23.5
60°-70°	4092.6	26.8
70°-80°	1409.8	9.2
80°-90°	245.7	1.6
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°	15289.0	100.0
0°-180°	15289.0	100.0



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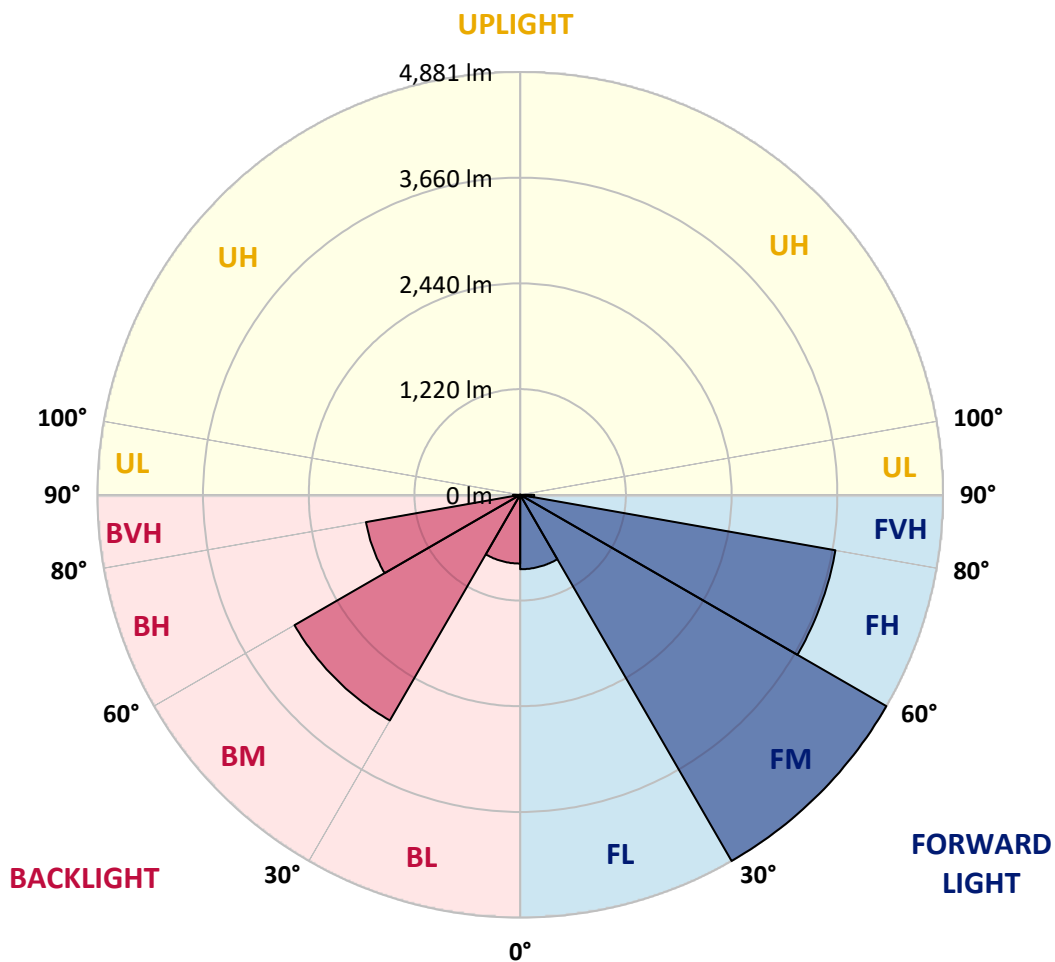
CATALOG NUMBER: VTS-F06-LED-E1-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	858.9	5.6			
FM	(30°-60°)	4880.5	31.9			
FH	(60°-80°)	3695.2	24.2			G2/5000
FVH	(80°-90°)	161.8	1.1			G2/225
BL	(0°-30°)	793.8	5.2	B2/1000		
BM	(30°-60°)	3007.6	19.7	B3/5000		
BH	(60°-80°)	1807.2	11.8	B3/2500		G3/2500
BVH	(80°-90°)	84.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1499.8	1500.8	1499.8	1496.8	1495.9	1486.9	1477.0	1472.1	1471.1	1467.1	1468.1
5°	1592.9	1590.0	1586.0	1581.0	1576.1	1561.2	1544.4	1535.5	1532.5	1529.5	1525.6
7.5°	1676.1	1678.1	1676.1	1669.2	1656.3	1637.5	1615.7	1601.8	1600.9	1597.9	1594.9
10°	1783.1	1788.1	1776.2	1764.3	1746.5	1717.8	1693.0	1675.2	1672.2	1668.2	1666.2
12.5°	1899.0	1900.0	1896.1	1869.3	1839.6	1800.0	1764.3	1746.5	1742.5	1737.6	1735.6
15°	2022.9	2023.9	2002.1	1976.3	1930.7	1883.2	1833.7	1813.8	1808.9	1809.9	1802.0
17.5°	2120.9	2122.9	2102.1	2069.4	2014.9	1958.5	1905.0	1889.1	1886.2	1887.1	1883.2
20°	2163.5	2166.5	2153.6	2128.9	2077.4	2027.8	1989.2	1979.3	1978.3	1976.3	1984.2
22.5°	2161.6	2162.5	2157.6	2147.7	2117.0	2088.2	2083.3	2089.2	2088.2	2090.2	2097.2
25°	2143.7	2146.7	2145.7	2149.7	2144.7	2155.6	2178.4	2199.2	2202.2	2206.1	2219.0
27.5°	2189.3	2195.2	2188.3	2192.3	2200.2	2236.8	2283.4	2315.1	2321.0	2331.9	2342.8
30°	2367.6	2359.7	2350.8	2340.9	2345.8	2368.6	2421.1	2448.8	2451.8	2459.7	2474.6
32.5°	2632.1	2623.2	2615.3	2599.4	2595.5	2585.5	2603.4	2610.3	2609.3	2617.2	2621.2
35°	2930.3	2931.3	2929.3	2941.2	2951.1	2900.6	2838.2	2821.3	2828.2	2819.3	2821.3
37.5°	3184.9	3187.8	3240.4	3305.7	3324.6	3292.9	3156.1	3088.8	3066.0	3063.0	3040.2
40°	3467.2	3467.2	3546.5	3626.7	3679.2	3718.8	3556.4	3437.5	3388.9	3375.1	3318.6
42.5°	3777.3	3761.4	3833.7	3921.9	4019.0	4109.1	4024.9	3891.2	3821.9	3797.1	3698.0
45°	4031.9	4022.0	4057.6	4139.8	4297.4	4473.7	4485.6	4417.2	4375.6	4324.1	4233.0
47.5°	4188.4	4183.4	4204.2	4293.4	4490.5	4775.8	4935.3	4970.0	4945.2	4905.6	4817.4
50°	4249.8	4242.9	4257.7	4356.8	4577.7	4954.1	5306.8	5470.3	5482.1	5491.1	5463.3
52.5°	4228.0	4219.1	4249.8	4333.0	4562.8	5016.5	5597.1	5911.1	5963.6	6008.2	6099.3
55°	4019.0	4005.1	4088.3	4244.8	4498.5	4993.8	5809.1	6335.1	6446.0	6564.9	6767.0
57.5°	3699.0	3687.1	3807.0	4022.0	4384.5	4931.4	5951.7	6871.0	7120.6	7334.6	7908.2
60°	3390.9	3381.0	3451.4	3659.4	4015.0	4627.2	5775.4	7051.3	7470.3	7932.0	8979.1
62.5°	2840.1	2813.4	2907.5	3082.8	3307.7	3827.8	5005.7	6650.1	7296.0	7974.6	9394.1
65°	1745.5	1784.1	1865.4	2059.5	2428.0	2675.7	3676.2	5380.1	6232.1	7083.0	8924.6
67.5°	1108.5	1119.4	1179.8	1314.6	1599.9	1848.5	2227.9	3376.1	4032.9	4869.9	7006.7
70°	950.0	956.9	1008.5	1149.1	1346.3	1652.4	1686.1	1763.3	1999.1	2532.1	4119.0
72.5°	748.9	760.8	801.4	923.3	1161.0	1489.9	2081.3	1393.8	1346.3	1390.8	2010.0
75°	445.8	459.7	493.3	559.7	745.9	1139.2	2180.4	1621.7	1511.7	1425.5	1386.9
77.5°	235.8	225.9	248.6	287.3	383.4	607.3	1638.5	1987.2	1909.9	1806.9	1588.0
80°	116.9	120.9	127.8	135.7	171.4	246.7	819.3	2055.6	2278.4	2377.5	2183.3
82.5°	46.6	52.5	74.3	79.3	94.1	105.0	263.5	1139.2	1631.6	2213.1	2889.7
85°	23.8	22.8	39.6	47.6	55.5	49.5	93.1	425.0	764.8	1191.7	1930.7
87.5°	3.0	4.0	8.9	11.9	16.8	15.9	26.7	92.1	146.6	208.0	292.2
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1463.2	1462.2	1462.2	1458.2	1458.2	1459.2	1456.2	1454.2	1454.2	1455.2	1451.3
5°	1522.6	1519.6	1519.6	1515.7	1510.7	1510.7	1506.7	1505.8	1503.8	1499.8	1496.8
7.5°	1591.9	1589.0	1584.0	1581.0	1579.1	1576.1	1571.1	1569.2	1565.2	1561.2	1557.3
10°	1663.3	1659.3	1657.3	1652.4	1650.4	1644.4	1641.5	1642.5	1634.5	1631.6	1632.6
12.5°	1734.6	1730.6	1723.7	1721.7	1720.7	1714.8	1711.8	1709.8	1703.9	1702.9	1699.9
15°	1798.0	1800.0	1797.0	1792.0	1788.1	1787.1	1784.1	1782.1	1778.2	1774.2	1770.3
17.5°	1880.2	1883.2	1879.2	1872.3	1872.3	1871.3	1872.3	1871.3	1864.4	1867.3	1865.4
20°	1985.2	1987.2	1977.3	1980.3	1982.3	1981.3	1984.2	1987.2	1985.2	1985.2	1988.2
22.5°	2106.1	2109.1	2103.1	2107.1	2113.0	2108.1	2117.0	2116.0	2118.0	2120.9	2121.9
25°	2229.9	2235.9	2230.9	2241.8	2237.8	2241.8	2252.7	2249.7	2254.7	2262.6	2265.6
27.5°	2353.7	2357.7	2358.7	2365.6	2372.6	2378.5	2392.4	2392.4	2396.3	2410.2	2410.2
30°	2483.5	2487.5	2491.4	2501.3	2505.3	2516.2	2530.1	2534.0	2532.1	2551.9	2557.8
32.5°	2633.1	2637.1	2644.0	2655.9	2660.8	2671.7	2671.7	2682.6	2690.6	2707.4	2708.4
35°	2832.2	2835.2	2832.2	2831.2	2838.2	2853.0	2854.0	2869.9	2876.8	2893.6	2898.6
37.5°	3031.3	3030.3	3017.5	3003.6	3004.6	2998.6	2994.7	3001.6	3004.6	3005.6	3016.5
40°	3299.8	3274.0	3254.2	3219.5	3203.7	3178.9	3164.1	3163.1	3147.2	3145.2	3148.2
42.5°	3651.5	3621.7	3575.2	3516.7	3472.2	3426.6	3392.9	3373.1	3338.4	3320.6	3305.7
45°	4142.8	4069.5	4014.0	3944.7	3858.5	3779.3	3696.0	3658.4	3592.0	3551.4	3505.8
47.5°	4743.1	4670.8	4585.6	4514.3	4401.4	4291.4	4177.5	4077.4	3961.5	3869.4	3794.1
50°	5395.0	5352.4	5291.0	5224.6	5079.0	5006.6	4863.0	4727.3	4602.5	4438.0	4294.4
52.5°	6063.6	6088.4	6074.5	6050.8	5958.6	5930.9	5807.1	5641.6	5515.8	5402.9	5153.3
55°	6887.8	6917.6	6977.0	7011.7	7000.8	7071.1	7040.4	6911.6	6861.1	6808.6	6631.3
57.5°	8148.9	8360.9	8587.8	8786.9	8833.4	9083.1	9029.6	9158.4	9249.5	9184.1	9126.7
60°	9493.2	9921.2	10306.5	10709.7	11037.6	11283.3	11608.2	11827.1	11964.8	12212.5	12232.3
62.5°	10035.1	10616.6	11106.0	11573.5	11962.8	12303.6	12596.8	12899.0	13146.6	13370.5	13532.0
65°	9737.9	10345.1	10938.5	11413.0	11787.5	12080.7	12399.7	12639.4	12883.1	13026.8	13196.2
67.5°	8095.4	8899.8	9629.9	10164.9	10677.0	10975.2	11352.6	11588.4	11846.9	11998.5	12107.5
70°	5278.1	6325.2	7322.7	8134.1	8825.5	9173.2	9628.9	9950.9	10261.9	10269.9	10451.1
72.5°	2848.1	3723.8	4558.9	5388.0	6176.6	6639.2	7088.9	7480.2	7789.3	7657.6	7837.9
75°	1586.0	1996.1	2452.8	2951.1	3431.5	3696.0	4031.9	4033.8	4193.3	3942.7	4006.1
77.5°	1525.6	1506.7	1513.7	1527.6	1551.3	1500.8	1499.8	1469.1	1421.6	1335.4	1350.2
80°	2004.0	1764.3	1591.9	1321.5	1063.9	867.8	813.3	826.2	864.8	942.1	1040.2
82.5°	2897.6	2695.5	2406.2	1980.3	1554.3	1198.7	984.7	873.7	868.8	946.1	1094.6
85°	2110.0	2231.9	2213.1	1847.5	1523.6	1237.3	900.5	760.8	630.0	599.3	651.8
87.5°	311.1	257.6	290.3	242.7	176.3	136.7	119.9	96.1	92.1	94.1	103.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1452.3	1448.3	1444.3	1447.3	1444.3	1443.3	1440.4	1438.4	1437.4	1437.4	1437.4
5°	1496.8	1491.9	1488.9	1487.9	1485.0	1482.0	1481.0	1476.0	1475.0	1475.0	1472.1
7.5°	1557.3	1553.3	1548.4	1545.4	1543.4	1538.4	1533.5	1532.5	1531.5	1527.6	1524.6
10°	1627.6	1621.7	1615.7	1615.7	1611.8	1610.8	1605.8	1598.9	1597.9	1591.9	1590.0
12.5°	1694.0	1692.0	1685.1	1683.1	1680.1	1677.1	1674.2	1671.2	1668.2	1663.3	1665.2
15°	1773.2	1768.3	1762.3	1763.3	1762.3	1758.4	1754.4	1751.4	1749.5	1747.5	1747.5
17.5°	1868.3	1866.3	1865.4	1860.4	1856.4	1859.4	1859.4	1859.4	1854.5	1855.4	1856.4
20°	1989.2	1991.2	1989.2	1985.2	1984.2	1987.2	1980.3	1991.2	1985.2	1981.3	1983.2
22.5°	2122.9	2129.9	2121.9	2122.9	2127.9	2129.9	2122.9	2131.8	2128.9	2122.9	2127.9
25°	2268.5	2273.5	2269.5	2268.5	2271.5	2278.4	2277.5	2276.5	2283.4	2277.5	2280.4
27.5°	2418.1	2421.1	2423.1	2426.1	2428.0	2427.0	2431.0	2431.0	2435.0	2428.0	2431.0
30°	2566.7	2566.7	2570.7	2574.6	2574.6	2574.6	2582.6	2583.6	2577.6	2579.6	2572.7
32.5°	2725.2	2726.2	2730.2	2730.2	2738.1	2739.1	2748.0	2736.1	2748.0	2738.1	2740.1
35°	2911.5	2924.3	2926.3	2936.2	2944.2	2947.1	2947.1	2948.1	2959.0	2951.1	2954.1
37.5°	3020.4	3023.4	3031.3	3036.3	3036.3	3040.2	3043.2	3040.2	3043.2	3042.2	3045.2
40°	3149.2	3146.2	3155.2	3157.1	3153.2	3158.1	3157.1	3154.2	3162.1	3156.1	3160.1
42.5°	3305.7	3288.9	3287.9	3295.8	3287.9	3291.9	3290.9	3283.9	3293.8	3296.8	3293.8
45°	3473.1	3464.2	3446.4	3446.4	3438.5	3435.5	3436.5	3435.5	3436.5	3448.4	3452.3
47.5°	3745.6	3691.1	3660.4	3631.6	3607.9	3606.9	3596.0	3601.9	3609.9	3629.7	3647.5
50°	4202.3	4076.4	3999.2	3927.8	3876.3	3858.5	3837.7	3835.7	3842.7	3865.4	3896.1
52.5°	5016.5	4842.2	4677.8	4525.2	4392.5	4290.4	4239.9	4213.1	4203.2	4226.0	4255.7
55°	6506.5	6177.6	5945.8	5791.2	5461.3	5321.7	5142.4	5060.1	4979.9	4987.8	5038.3
57.5°	9052.4	8875.1	8680.9	8410.4	8208.4	7964.7	7516.9	7267.3	7278.2	7336.6	7154.3
60°	12388.8	12209.5	12129.3	11883.6	11742.9	11644.9	11407.1	10993.0	10846.4	10818.7	10483.8
62.5°	13655.8	13698.4	13761.8	13831.2	13827.2	13869.8	13661.8	13527.1	13357.7	13137.7	12806.9
65°	13325.0	13432.9	13561.7	13748.0	13960.0	14116.5	14248.2	14232.4	14073.9	13780.7	13431.0
67.5°	12204.6	12311.5	12405.7	12655.3	13003.0	13321.0	13602.3	13793.5	13687.5	13444.8	13036.7
70°	10520.5	10597.8	10657.2	10874.1	11255.5	11643.9	12011.4	12332.4	12299.7	12005.4	11679.5
72.5°	7622.9	7810.1	7911.2	7896.3	8132.1	8567.0	8618.5	8892.9	8969.2	8652.2	8133.1
75°	3713.9	3716.8	3599.9	3561.3	3573.2	3648.5	3504.8	3513.8	3464.2	3239.4	3054.1
77.5°	1297.7	1262.1	1176.9	1075.8	931.2	795.5	657.8	598.3	578.5	520.1	479.5
80°	1118.4	1170.9	1154.1	1070.9	918.3	732.1	546.8	405.2	345.7	324.9	305.1
82.5°	1270.0	1472.1	1600.9	1593.9	1384.9	1040.2	648.9	372.5	265.5	232.8	214.0
85°	708.3	761.8	776.7	707.3	587.4	401.2	223.9	157.5	133.7	121.8	110.0
87.5°	112.9	103.0	101.0	88.2	83.2	76.3	67.4	63.4	58.4	55.5	55.5
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-F06-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1436.4	1435.4	1432.5	1429.5	1427.5	1426.5	1425.5	1423.5	1422.5	1421.6	1419.6
5°	1470.1	1468.1	1463.2	1458.2	1456.2	1453.3	1450.3	1448.3	1446.3	1445.3	1441.4
7.5°	1522.6	1520.6	1514.7	1510.7	1509.7	1501.8	1500.8	1497.8	1492.9	1491.9	1485.9
10°	1586.0	1585.0	1580.1	1577.1	1575.1	1571.1	1565.2	1560.2	1555.3	1555.3	1551.3
12.5°	1659.3	1655.3	1658.3	1651.4	1649.4	1645.4	1642.5	1641.5	1635.5	1630.6	1629.6
15°	1745.5	1740.5	1740.5	1738.6	1736.6	1732.6	1731.6	1732.6	1726.7	1728.6	1722.7
17.5°	1852.5	1854.5	1853.5	1853.5	1848.5	1848.5	1840.6	1850.5	1843.6	1848.5	1846.5
20°	1986.2	1987.2	1985.2	1988.2	1990.2	1989.2	1988.2	1987.2	1990.2	1994.1	1991.2
22.5°	2128.9	2128.9	2127.9	2138.8	2126.9	2135.8	2138.8	2132.8	2148.7	2146.7	2149.7
25°	2283.4	2283.4	2291.3	2300.2	2302.2	2295.3	2299.3	2294.3	2304.2	2312.1	2314.1
27.5°	2427.0	2439.9	2445.9	2439.9	2444.9	2455.8	2454.8	2454.8	2461.7	2459.7	2478.6
30°	2574.6	2582.6	2590.5	2586.5	2588.5	2602.4	2603.4	2604.4	2613.3	2626.2	2640.0
32.5°	2743.1	2751.0	2747.0	2759.9	2758.9	2775.7	2778.7	2781.7	2809.4	2804.5	2833.2
35°	2950.1	2958.0	2954.1	2967.9	2965.9	2971.9	2982.8	2994.7	2999.6	3028.4	3051.1
37.5°	3047.2	3047.2	3056.1	3071.9	3077.9	3087.8	3104.6	3119.5	3144.3	3175.0	3210.6
40°	3164.1	3167.0	3178.9	3195.8	3206.7	3229.5	3260.2	3281.0	3318.6	3352.3	3393.9
42.5°	3305.7	3318.6	3332.5	3355.3	3379.0	3414.7	3458.3	3485.0	3534.6	3578.2	3629.7
45°	3471.2	3484.0	3516.7	3558.3	3593.0	3632.6	3668.3	3731.7	3776.3	3821.9	3866.4
47.5°	3671.3	3708.9	3735.7	3785.2	3827.8	3880.3	3924.9	3984.3	4032.9	4088.3	4126.0
50°	3927.8	3974.4	4009.1	4073.5	4115.1	4173.5	4230.0	4274.6	4324.1	4378.6	4409.3
52.5°	4296.4	4343.9	4387.5	4467.7	4519.3	4558.9	4634.2	4689.6	4735.2	4774.8	4808.5
55°	5094.8	5080.9	5201.8	5357.3	5375.2	5518.8	5545.5	5592.1	5676.3	5688.2	5782.3
57.5°	7376.2	7304.9	7480.2	7708.1	7668.5	7596.2	7898.3	7917.1	7874.5	7988.4	7859.7
60°	10533.4	10408.5	10456.1	10518.5	10428.4	10385.8	10400.6	10443.2	10401.6	10356.0	10231.2
62.5°	12641.4	12449.2	12311.5	12195.6	12049.0	11943.0	11824.2	11677.5	11637.9	11471.5	11331.8
65°	13091.2	12792.0	12574.1	12355.1	12153.0	11965.8	11786.5	11660.7	11494.3	11297.1	11151.5
67.5°	12596.8	12226.4	11907.4	11589.4	11360.5	11085.1	10950.4	10745.4	10540.3	10314.4	10180.7
70°	11160.4	10774.1	10372.9	10061.8	9750.8	9410.0	9343.6	9100.9	8983.0	8674.9	8621.5
72.5°	7703.1	7445.6	7266.3	6881.9	6692.7	6518.3	6462.9	6238.0	6261.8	5924.0	6046.8
75°	2739.1	2702.4	2649.9	2433.0	2394.4	2327.0	2309.2	2293.3	2453.8	2230.9	2392.4
77.5°	470.5	467.6	440.8	428.0	452.7	436.9	440.8	432.9	479.5	486.4	475.5
80°	292.2	284.3	275.4	269.5	270.4	264.5	265.5	267.5	270.4	269.5	272.4
82.5°	200.1	193.2	189.2	185.2	191.2	193.2	198.1	203.1	211.0	216.0	221.9
85°	109.0	100.1	100.1	99.1	107.0	112.9	120.9	130.8	144.6	156.5	169.4
87.5°	55.5	53.5	54.5	56.5	63.4	68.4	78.3	87.2	99.1	111.9	123.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P159235

CATALOG NUMBER: VTS-F06-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1418.6	1418.6	1417.6	1417.6	1416.6	1415.6	1414.6	1411.6	1400.8	1390.8	1383.9
5°	1440.4	1437.4	1436.4	1433.4	1432.5	1430.5	1427.5	1424.5	1404.7	1386.9	1374.0
7.5°	1485.0	1481.0	1479.0	1476.0	1473.1	1469.1	1465.1	1462.2	1438.4	1417.6	1401.7
10°	1543.4	1541.4	1540.4	1536.5	1536.5	1530.5	1529.5	1522.6	1496.8	1478.0	1464.2
12.5°	1624.6	1620.7	1619.7	1614.7	1616.7	1614.7	1612.7	1608.8	1590.0	1568.2	1549.3
15°	1725.7	1725.7	1720.7	1716.8	1717.8	1715.8	1719.7	1714.8	1702.9	1683.1	1652.4
17.5°	1847.5	1845.5	1847.5	1844.6	1846.5	1848.5	1843.6	1844.6	1838.6	1813.8	1768.3
20°	1989.2	1986.2	1998.1	1993.1	2004.0	1994.1	1996.1	1999.1	1999.1	1966.4	1905.0
22.5°	2151.6	2149.7	2149.7	2159.6	2163.5	2164.5	2168.5	2171.5	2179.4	2137.8	2039.7
25°	2314.1	2321.0	2322.0	2334.9	2340.9	2340.9	2343.8	2354.7	2378.5	2321.0	2194.2
27.5°	2479.5	2496.4	2500.3	2509.3	2518.2	2527.1	2534.0	2542.0	2580.6	2518.2	2352.7
30°	2645.0	2663.8	2677.7	2687.6	2698.5	2720.3	2724.2	2740.1	2804.5	2728.2	2503.3
32.5°	2839.1	2865.9	2883.7	2896.6	2913.4	2934.2	2946.1	2965.9	3028.4	2903.5	2613.3
35°	3071.0	3086.8	3112.6	3134.4	3144.3	3179.9	3198.7	3203.7	3251.2	3055.1	2694.5
37.5°	3231.4	3258.2	3302.8	3333.5	3351.3	3371.1	3402.8	3423.6	3469.2	3192.8	2735.1
40°	3435.5	3476.1	3511.8	3557.4	3586.1	3600.9	3632.6	3649.5	3655.4	3310.7	2722.3
42.5°	3684.2	3720.8	3768.4	3805.0	3826.8	3843.6	3869.4	3876.3	3799.1	3366.2	2652.9
45°	3917.9	3974.4	4015.0	4041.8	4057.6	4066.5	4082.4	4083.4	3917.9	3338.4	2534.0
47.5°	4169.6	4210.2	4247.8	4266.6	4264.7	4266.6	4260.7	4256.7	3977.4	3242.3	2381.5
50°	4447.9	4474.7	4490.5	4499.4	4504.4	4485.6	4458.8	4441.0	3982.3	3105.6	2226.9
52.5°	4821.4	4855.1	4852.1	4851.1	4811.5	4793.7	4722.3	4685.7	3953.6	2945.1	2052.6
55°	5767.4	5734.8	5670.4	5702.1	5540.6	5456.4	5345.4	5242.4	3991.2	2792.6	1850.5
57.5°	7911.2	7924.0	7740.8	7642.7	7370.3	7029.5	6755.1	6488.6	4330.0	2699.5	1587.0
60°	10148.0	9979.6	9746.8	9392.2	9041.5	8535.3	8046.9	7585.3	4667.8	2602.4	1274.9
62.5°	11124.8	10885.0	10533.4	10074.7	9523.9	8904.8	8296.5	7733.8	4504.4	2288.4	927.2
65°	10926.6	10560.1	10171.8	9634.9	8965.2	8286.6	7576.3	7001.8	3768.4	1706.9	571.6
67.5°	9890.4	9579.4	9169.3	8532.3	7816.1	7109.8	6458.9	5815.0	2799.5	1063.9	320.0
70°	8348.0	8043.9	7627.9	6976.0	6260.8	5585.2	4895.7	4370.7	1784.1	513.1	230.8
72.5°	5791.2	5544.6	5250.3	4785.7	4158.7	3544.5	3077.9	2674.7	988.6	272.4	211.0
75°	2351.8	2352.7	2299.3	2103.1	1777.2	1532.5	1306.6	1108.5	413.1	231.8	208.0
77.5°	533.0	541.9	592.4	561.7	506.2	473.5	424.0	374.5	251.6	238.7	210.0
80°	269.5	270.4	267.5	268.5	265.5	266.5	262.5	259.5	235.8	245.7	210.0
82.5°	224.9	229.8	228.8	228.8	229.8	229.8	229.8	228.8	244.7	258.6	203.1
85°	178.3	188.2	196.1	204.1	213.0	218.9	221.9	224.9	237.8	254.6	184.3
87.5°	134.7	146.6	156.5	164.4	178.3	178.3	188.2	195.2	195.2	199.1	97.1
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: P159235

CATALOG NUMBER: VTS-F06-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1374.0	1370.0	1366.1	1364.1	1360.1
5°	1364.1	1356.2	1351.2	1351.2	1347.3
7.5°	1392.8	1389.9	1382.9	1379.0	1382.9
10°	1454.2	1449.3	1441.4	1435.4	1438.4
12.5°	1536.5	1516.7	1500.8	1493.9	1488.9
15°	1621.7	1582.0	1550.3	1532.5	1527.6
17.5°	1712.8	1643.5	1595.9	1569.2	1564.2
20°	1805.9	1719.7	1652.4	1617.7	1616.7
22.5°	1917.9	1802.9	1716.8	1671.2	1668.2
25°	2035.7	1877.2	1763.3	1704.9	1698.9
27.5°	2137.8	1936.7	1792.0	1722.7	1716.8
30°	2223.0	1981.3	1815.8	1735.6	1727.7
32.5°	2284.4	2007.0	1825.7	1739.5	1730.6
35°	2304.2	1997.1	1798.0	1703.9	1694.0
37.5°	2277.5	1932.7	1720.7	1616.7	1604.8
40°	2197.2	1819.8	1594.9	1487.9	1473.1
42.5°	2074.4	1681.1	1443.3	1341.3	1322.5
45°	1922.8	1524.6	1292.8	1178.8	1169.9
47.5°	1764.3	1360.1	1123.4	1020.3	1009.5
50°	1592.9	1169.9	957.9	846.0	846.0
52.5°	1388.9	984.7	765.8	681.6	674.6
55°	1154.1	775.7	610.2	545.8	536.9
57.5°	901.5	596.4	487.4	449.7	439.8
60°	662.7	447.8	392.3	371.5	367.5
62.5°	449.7	340.8	316.0	307.1	306.1
65°	304.1	265.5	258.6	255.6	256.6
67.5°	233.8	220.9	217.9	216.9	216.9
70°	203.1	195.2	192.2	193.2	192.2
72.5°	191.2	180.3	181.3	183.3	182.3
75°	187.2	173.4	177.3	178.3	174.4
77.5°	184.3	165.4	175.3	178.3	167.4
80°	178.3	158.5	182.3	183.3	164.4
82.5°	163.5	140.7	182.3	168.4	148.6
85°	138.7	107.0	206.1	146.6	110.0
87.5°	88.2	63.4	139.7	100.1	66.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)