

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: P158795

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158795
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-F06-LED-E1-SLL
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

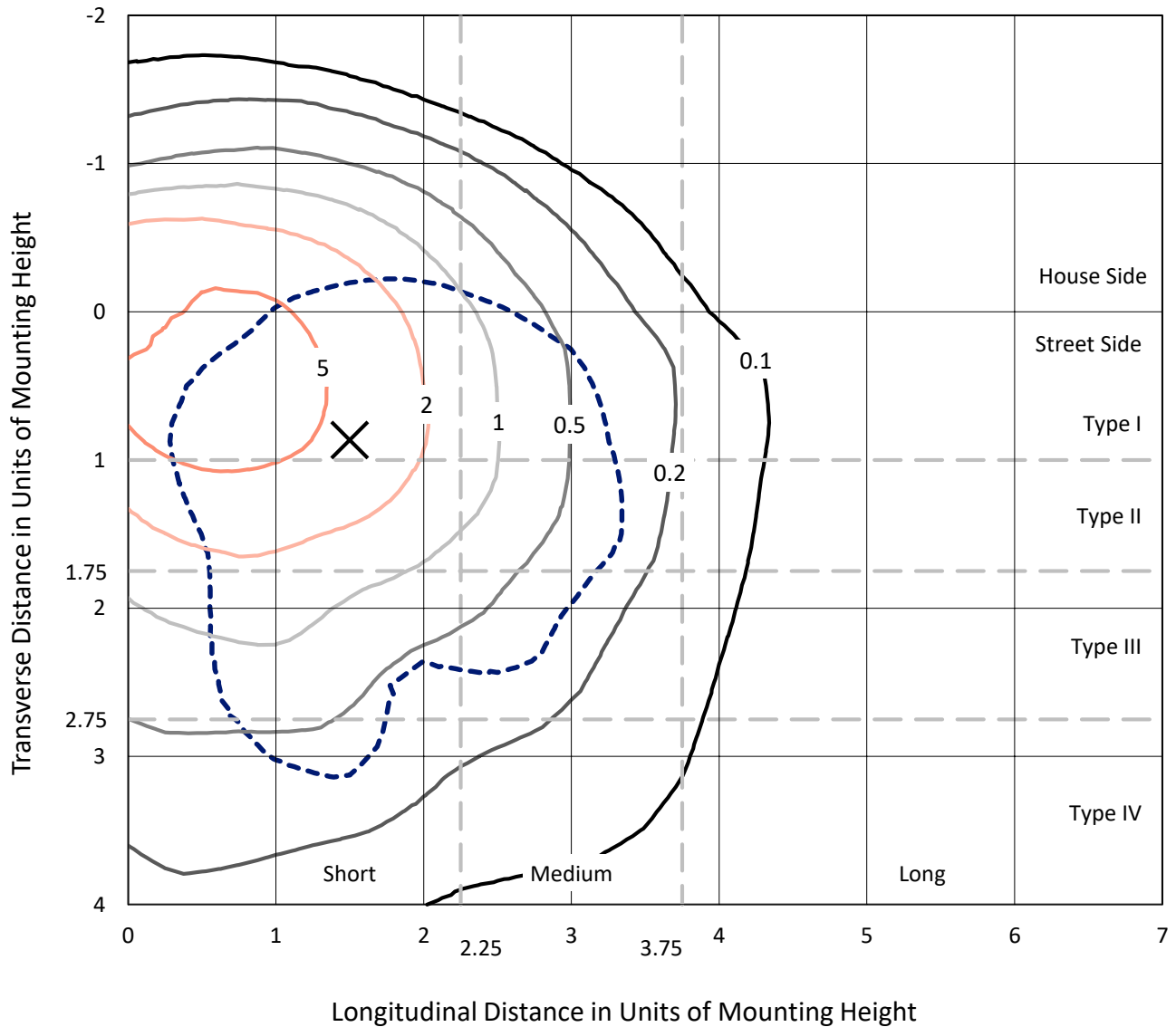
Lumens per Lamp: N/A
Luminaire Lumens: 13310.5 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

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

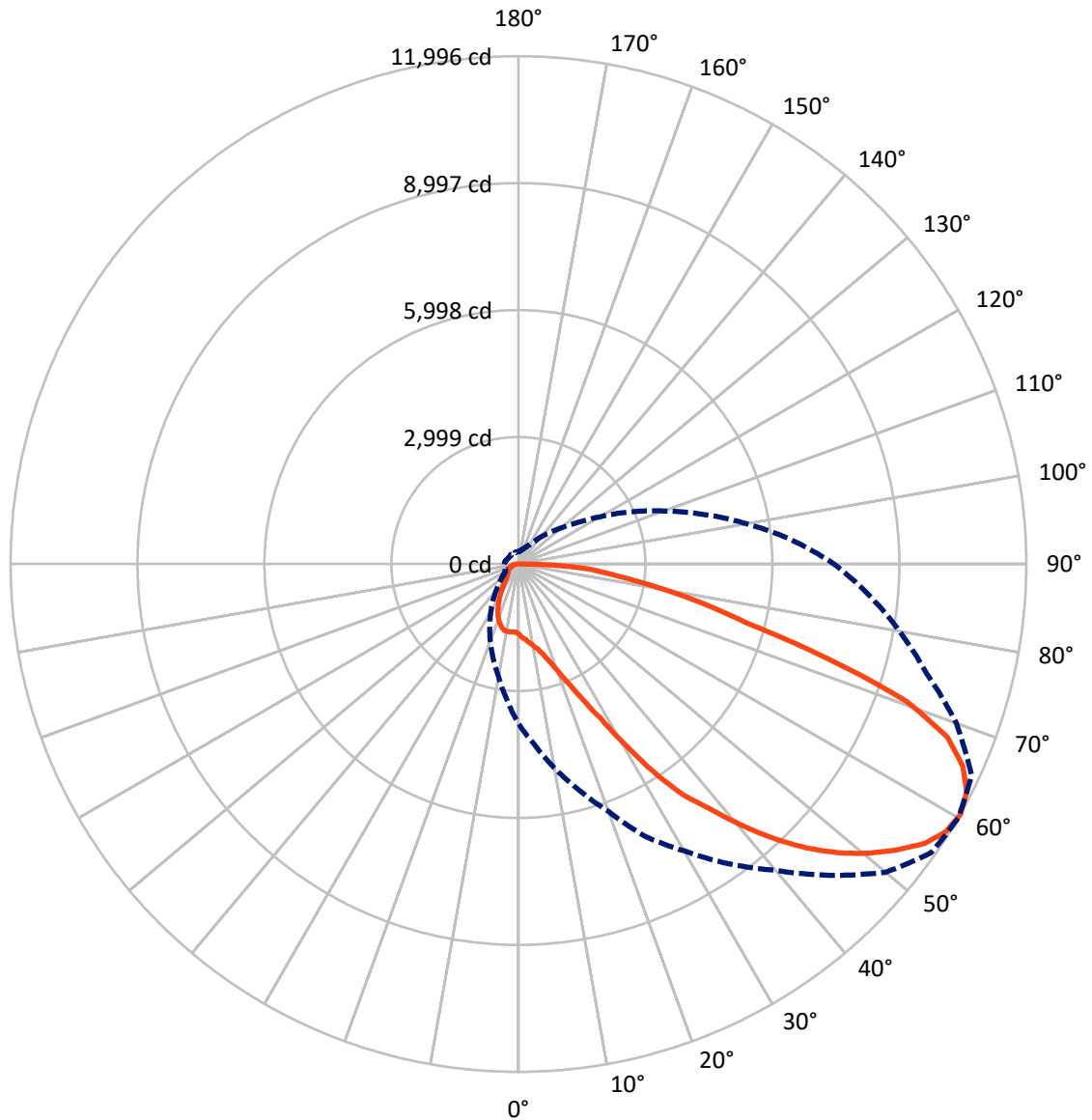
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 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	2997.1	0.0	2997.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10313.4	0.0	10313.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	13310.5	0.0	13310.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	1.2
10°-20°	527.3	4.0
20°-30°	1000.6	7.5
30°-40°	1575.8	11.8
40°-50°	2199.4	16.5
50°-60°	2720.1	20.4
60°-70°	2819.5	21.2
70°-80°	1774.2	13.3
80°-90°	530.3	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°	13310.5	100.0
0°-180°	13310.5	100.0



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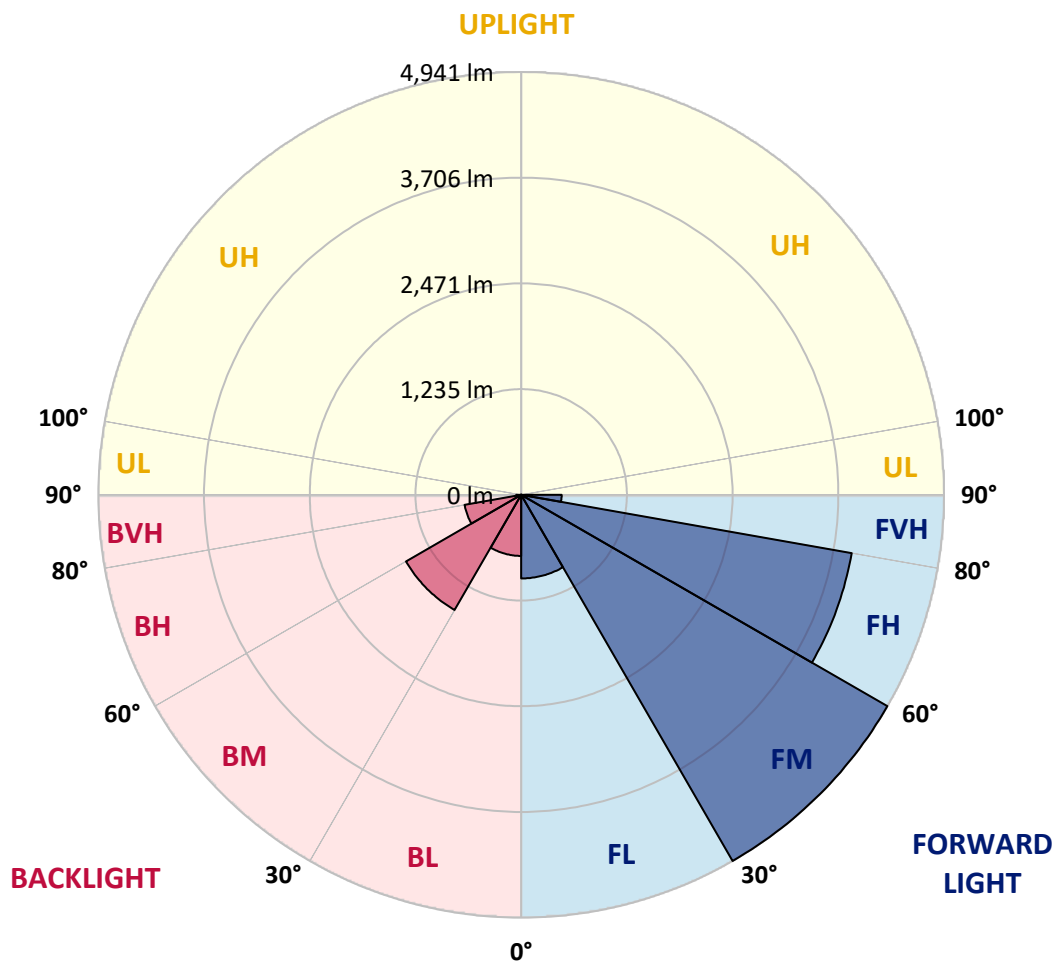
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.2	7.3			
FM (30°-60°)	4941.1	37.1			
FH (60°-80°)	3922.5	29.5			G2/5000
FVH (80°-90°)	472.6	3.6			G3/500
BL (0°-30°)	714.0	5.4	B2/1000		
BM (30°-60°)	1554.2	11.7	B2/2500		
BH (60°-80°)	671.2	5.0	B2/1000		G2/1000
BVH (80°-90°)	57.7	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1753.4	1751.4	1751.4	1751.4	1750.4	1748.5	1751.4	1750.4	1745.5	1742.5	1745.5
5°	1776.2	1777.2	1780.2	1781.2	1781.2	1784.1	1792.0	1793.0	1792.0	1794.0	1799.0
7.5°	1798.0	1802.9	1805.9	1810.9	1816.8	1821.8	1835.6	1849.5	1858.4	1865.4	1867.3
10°	1833.7	1841.6	1850.5	1863.4	1877.2	1902.0	1913.9	1927.8	1936.7	1950.6	1953.5
12.5°	1924.8	1934.7	1940.6	1960.5	1978.3	2002.1	2018.9	2022.9	2043.7	2055.6	2069.4
15°	2078.3	2093.2	2114.0	2125.9	2145.7	2166.5	2181.4	2201.2	2204.2	2220.0	2230.9
17.5°	2266.6	2287.4	2330.0	2358.7	2384.4	2405.2	2435.0	2457.8	2462.7	2480.5	2457.8
20°	2530.1	2580.6	2587.5	2645.0	2667.8	2709.4	2768.8	2779.7	2808.4	2779.7	2762.9
22.5°	2886.7	2965.9	2987.7	3043.2	3071.0	3134.4	3152.2	3210.6	3230.4	3208.7	3163.1
25°	3296.8	3419.7	3483.1	3568.2	3582.1	3711.9	3725.8	3794.1	3757.5	3705.0	3705.9
27.5°	3599.0	3808.0	3971.4	4117.1	4219.1	4365.7	4479.6	4511.3	4476.7	4408.3	4384.5
30°	3771.3	4008.1	4242.9	4444.0	4681.7	4905.6	5138.4	5254.3	5274.1	5309.8	5166.1
32.5°	3882.3	4186.4	4465.8	4714.4	4958.1	5246.4	5558.4	5856.6	6107.2	6296.4	6207.3
35°	3975.4	4350.8	4708.5	5009.6	5297.9	5611.9	5926.9	6278.6	6693.7	6936.4	6986.9
37.5°	4013.0	4471.7	4909.6	5295.9	5701.1	6054.7	6367.8	6680.8	7116.7	7549.6	7683.3
40°	4006.1	4531.1	5029.4	5514.8	6011.1	6453.0	6819.5	7190.0	7700.2	8206.4	8424.3
42.5°	3959.5	4540.1	5105.7	5660.5	6226.1	6813.6	7282.1	7709.1	8198.5	8847.3	9155.4
45°	3901.1	4509.3	5121.6	5734.8	6385.6	7065.2	7657.6	8185.6	8759.1	9400.1	9772.6
47.5°	3821.9	4460.8	5101.7	5760.5	6456.9	7226.6	7923.1	8558.1	9189.1	9927.1	10399.6
50°	3735.7	4391.5	5061.1	5741.7	6474.8	7314.8	8074.6	8797.8	9534.8	10331.3	10928.6
52.5°	3675.2	4317.2	5024.5	5703.1	6456.9	7341.6	8130.1	8926.6	9746.8	10570.0	11283.3
55°	3600.9	4218.1	4926.4	5612.9	6391.5	7326.7	8124.2	8971.1	9805.3	10662.1	11476.4
57.5°	3605.9	4172.5	4843.2	5504.9	6257.8	7189.0	8012.2	8926.6	9713.1	10602.7	11483.4
60°	3762.4	4270.6	4886.8	5526.7	6218.2	7101.8	7822.0	8639.3	9442.7	10397.7	11322.9
62.5°	4085.4	4551.0	5110.7	5744.7	6441.1	7276.2	7735.8	8161.8	8875.1	10020.2	11049.5
65°	4470.7	4890.7	5376.1	5979.4	6760.1	7559.5	7687.3	7773.5	8134.1	9286.2	10536.3
67.5°	4856.1	5231.5	5612.9	6113.2	6941.3	7640.7	7489.2	7284.1	7478.3	8433.2	9527.9
70°	4994.8	5493.0	5743.7	6087.4	6803.6	7451.5	7169.2	6653.1	6720.4	7588.2	8388.7
72.5°	4786.7	5497.0	5580.2	5708.0	6190.4	6799.7	6501.5	5837.8	5823.9	6486.6	7133.5
75°	4015.0	5014.6	5013.6	4966.0	5075.0	5421.7	5267.2	4867.0	5036.4	5558.4	5771.4
77.5°	2861.9	3913.0	3962.5	3642.5	3634.6	3791.1	3884.3	4349.9	4964.0	5257.3	5189.9
80°	1798.0	2640.0	2853.0	2457.8	2373.5	2595.5	3171.0	3848.6	4604.4	4868.0	4641.1
82.5°	1082.8	1700.9	2154.6	1930.7	1910.9	2315.1	2951.1	3214.6	3441.4	3721.8	3342.4
85°	735.0	1133.3	1474.1	1518.6	1692.0	2110.0	2386.4	2269.5	2275.5	2202.2	2006.0
87.5°	140.7	309.1	505.2	616.2	683.5	918.3	998.6	904.4	955.0	698.4	763.8
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°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1740.5	1740.5	1740.5	1735.6	1736.6	1729.6	1726.7	1726.7	1723.7	1723.7	1722.7
5°	1795.0	1789.1	1792.0	1791.1	1791.1	1781.2	1776.2	1776.2	1763.3	1764.3	1760.3
7.5°	1876.3	1875.3	1878.2	1872.3	1864.4	1856.4	1848.5	1844.6	1826.7	1815.8	1808.9
10°	1968.4	1967.4	1970.4	1969.4	1955.5	1940.6	1918.9	1903.0	1881.2	1864.4	1847.5
12.5°	2069.4	2068.4	2066.5	2057.5	2042.7	2018.9	1991.2	1964.4	1931.7	1909.9	1885.2
15°	2226.9	2224.0	2212.1	2199.2	2183.3	2146.7	2098.2	2059.5	2015.9	1978.3	1937.7
17.5°	2459.7	2435.0	2433.0	2404.3	2361.7	2313.1	2267.6	2203.2	2140.8	2084.3	2028.8
20°	2780.7	2723.2	2707.4	2674.7	2618.2	2567.7	2468.6	2382.5	2297.3	2220.0	2149.7
22.5°	3130.4	3088.8	3050.1	2996.7	2919.4	2846.1	2720.3	2612.3	2503.3	2404.3	2326.0
25°	3618.8	3546.5	3477.1	3391.9	3284.9	3197.8	3054.1	2945.1	2802.5	2712.3	2599.4
27.5°	4249.8	4126.0	4009.1	3935.8	3747.6	3620.8	3437.5	3296.8	3124.4	3002.6	2868.9
30°	5071.0	4927.4	4754.0	4500.4	4276.5	4024.9	3798.1	3617.8	3434.5	3264.1	3109.6
32.5°	6089.4	5835.8	5561.4	5159.2	4791.7	4433.1	4130.9	3909.0	3721.8	3509.8	3291.9
35°	6950.3	6688.7	6299.4	5788.3	5334.5	4924.4	4562.8	4259.7	4015.0	3746.6	3458.3
37.5°	7629.8	7331.7	6966.1	6423.2	5943.8	5477.2	5097.8	4711.4	4390.5	4021.0	3656.4
40°	8408.5	8109.3	7707.1	7144.4	6576.8	6070.6	5625.8	5226.6	4832.3	4381.6	3913.0
42.5°	9087.0	8871.1	8463.9	7882.4	7253.4	6689.7	6203.3	5746.6	5231.5	4727.3	4172.5
45°	9794.4	9574.4	9188.1	8579.8	7911.2	7283.1	6701.6	6210.3	5602.0	5001.7	4366.7
47.5°	10419.4	10193.6	9803.3	9199.0	8488.7	7827.0	7187.0	6592.6	5886.3	5196.8	4493.5
50°	11015.8	10739.4	10381.8	9779.5	9020.7	8313.4	7618.9	6856.1	6107.2	5333.6	4579.7
52.5°	11563.6	11211.9	10873.2	10253.0	9432.8	8693.8	7919.1	7080.0	6242.9	5441.5	4638.1
55°	11874.7	11647.8	11242.7	10633.4	9726.0	8955.3	8109.3	7237.5	6377.7	5517.8	4662.9
57.5°	11970.8	11915.3	11575.5	10853.3	9898.4	9098.9	8238.1	7362.4	6467.8	5539.6	4628.2
60°	11894.5	11995.5	11809.3	11007.9	9976.6	9141.5	8301.5	7451.5	6483.7	5470.3	4523.2
62.5°	11649.8	11879.6	11855.9	11059.4	9936.0	9088.0	8294.5	7405.9	6335.1	5254.3	4287.4
65°	11247.6	11536.9	11638.9	10868.2	9707.2	8892.9	8118.2	7119.7	5922.0	4832.3	3892.2
67.5°	10490.8	10928.6	11027.7	10242.1	9108.8	8353.0	7610.0	6525.3	5157.2	4179.5	3275.0
70°	8974.1	9739.9	9873.6	9049.4	8053.8	7390.1	6760.1	5583.2	4294.4	3352.3	2513.2
72.5°	7164.2	7645.7	7919.1	7351.5	6610.5	6129.0	5651.5	4283.5	3240.4	2473.6	1729.6
75°	5601.0	5572.3	5817.0	5439.5	5003.7	4778.8	4420.2	2988.7	2170.5	1638.5	1094.6
77.5°	4788.7	4420.2	4141.8	3876.3	3617.8	3546.5	3202.7	1854.5	1341.3	981.7	654.8
80°	3980.4	3307.7	2799.5	2426.1	2333.9	2474.6	2096.2	1093.7	794.5	563.7	411.1
82.5°	2844.1	2379.5	1936.7	1699.9	1542.4	1766.3	1236.3	607.3	430.9	337.8	272.4
85°	1843.6	1762.3	1743.5	1666.2	1475.0	1392.8	939.1	523.1	322.9	210.0	169.4
87.5°	709.3	909.4	1049.1	1124.4	1215.5	1082.8	489.4	180.3	177.3	109.0	82.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1715.8	1711.8	1710.8	1707.8	1705.9	1705.9	1700.9	1610.8	1609.8	1609.8	1608.8
5°	1752.4	1747.5	1742.5	1741.5	1737.6	1737.6	1732.6	1642.5	1642.5	1642.5	1640.5
7.5°	1802.0	1792.0	1786.1	1783.1	1777.2	1780.2	1784.1	1693.0	1694.0	1693.0	1695.0
10°	1837.6	1831.7	1824.7	1822.8	1818.8	1821.8	1827.7	1737.6	1740.5	1741.5	1743.5
12.5°	1872.3	1862.4	1853.5	1850.5	1848.5	1856.4	1863.4	1776.2	1779.2	1782.1	1782.1
15°	1914.9	1898.0	1886.2	1879.2	1875.3	1883.2	1893.1	1806.9	1807.9	1810.9	1809.9
17.5°	1987.2	1962.4	1934.7	1929.7	1916.9	1919.8	1921.8	1825.7	1821.8	1814.8	1802.9
20°	2099.1	2061.5	2023.9	2008.0	1982.3	1971.4	1949.6	1826.7	1802.0	1781.2	1763.3
22.5°	2259.6	2204.2	2163.5	2136.8	2084.3	2047.6	1988.2	1821.8	1775.2	1739.5	1711.8
25°	2519.2	2452.8	2390.4	2323.0	2240.8	2167.5	2080.3	1865.4	1793.0	1731.6	1678.1
27.5°	2771.8	2666.8	2570.7	2469.6	2353.7	2243.8	2120.9	1879.2	1797.0	1717.8	1630.6
30°	2961.0	2808.4	2662.8	2515.2	2363.6	2221.0	2082.3	1831.7	1733.6	1644.4	1552.3
32.5°	3075.9	2877.8	2688.6	2505.3	2327.0	2166.5	2011.0	1749.5	1641.5	1536.5	1438.4
35°	3184.9	2939.2	2704.4	2488.5	2284.4	2106.1	1938.7	1653.4	1524.6	1412.6	1288.8
37.5°	3319.6	3003.6	2714.3	2457.8	2222.0	2017.9	1833.7	1532.5	1403.7	1266.0	1149.1
40°	3481.1	3070.0	2704.4	2396.3	2124.9	1902.0	1706.9	1405.7	1262.1	1128.3	1013.4
42.5°	3634.6	3128.4	2678.7	2314.1	2018.9	1781.2	1591.0	1292.8	1149.1	1012.4	898.5
45°	3748.5	3177.9	2665.8	2256.7	1937.7	1698.9	1488.9	1201.6	1050.1	912.4	796.5
47.5°	3827.8	3207.7	2659.8	2225.0	1881.2	1613.7	1395.8	1110.5	951.0	812.3	699.4
50°	3869.4	3206.7	2645.0	2190.3	1798.0	1511.7	1299.7	1018.4	859.9	724.2	621.1
52.5°	3880.3	3188.8	2613.3	2126.9	1696.9	1409.7	1196.7	922.3	779.6	649.9	545.8
55°	3855.5	3145.2	2546.9	2020.9	1589.0	1301.7	1102.6	847.0	701.4	578.5	497.3
57.5°	3785.2	3068.0	2422.1	1875.3	1475.0	1201.6	994.6	755.9	616.2	513.1	445.8
60°	3654.4	2904.5	2226.9	1702.9	1330.4	1049.1	846.0	637.0	526.0	448.8	394.3
62.5°	3412.7	2648.0	1952.5	1465.1	1122.4	851.0	675.6	508.2	425.0	374.5	340.8
65°	3023.4	2261.6	1634.5	1154.1	852.9	619.1	502.2	382.4	322.0	291.2	281.3
67.5°	2467.7	1746.5	1188.8	801.4	577.5	433.9	349.7	279.4	250.6	238.7	234.8
70°	1794.0	1189.7	769.7	506.2	381.4	303.1	264.5	224.9	209.0	206.1	206.1
72.5°	1126.3	723.2	471.5	346.7	289.3	245.7	225.9	198.1	192.2	190.2	187.2
75°	660.8	438.8	333.8	284.3	247.7	219.9	203.1	180.3	176.3	175.3	172.4
77.5°	421.0	316.0	269.5	242.7	223.9	199.1	184.3	160.5	159.5	158.5	157.5
80°	302.1	262.5	235.8	215.0	196.1	173.4	164.4	145.6	143.6	142.7	144.6
82.5°	228.8	216.9	206.1	190.2	164.4	147.6	140.7	127.8	128.8	123.8	122.8
85°	157.5	155.5	154.5	147.6	128.8	113.9	109.0	102.0	107.0	102.0	96.1
87.5°	77.3	76.3	70.3	83.2	77.3	61.4	55.5	61.4	68.4	66.4	61.4
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: P158795

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1604.8	1600.9	1603.8	1601.8	1601.8	1600.9	1602.8	1599.9	1597.9	1599.9	1600.9
5°	1636.5	1631.6	1632.6	1625.6	1628.6	1621.7	1623.6	1618.7	1613.7	1611.8	1611.8
7.5°	1690.0	1685.1	1679.1	1678.1	1667.2	1663.3	1656.3	1652.4	1649.4	1642.5	1638.5
10°	1738.6	1730.6	1723.7	1722.7	1711.8	1701.9	1693.0	1685.1	1680.1	1670.2	1665.2
12.5°	1778.2	1770.3	1759.4	1753.4	1742.5	1730.6	1724.7	1712.8	1705.9	1695.0	1686.1
15°	1801.0	1787.1	1771.2	1760.3	1744.5	1731.6	1722.7	1713.8	1706.9	1693.0	1680.1
17.5°	1790.1	1767.3	1745.5	1725.7	1703.9	1692.0	1679.1	1668.2	1666.2	1650.4	1630.6
20°	1744.5	1717.8	1689.0	1662.3	1633.5	1616.7	1600.9	1584.0	1579.1	1560.2	1534.5
22.5°	1689.0	1658.3	1625.6	1592.9	1556.3	1532.5	1508.7	1487.9	1471.1	1443.3	1406.7
25°	1632.6	1587.0	1539.4	1497.8	1455.2	1425.5	1400.8	1378.0	1358.2	1313.6	1275.9
27.5°	1558.3	1486.9	1438.4	1390.8	1339.3	1300.7	1273.0	1241.3	1219.5	1168.0	1128.3
30°	1463.2	1391.8	1322.5	1274.9	1223.4	1181.8	1146.2	1100.6	1068.9	1031.2	994.6
32.5°	1343.3	1272.0	1201.6	1148.1	1105.5	1054.0	1009.5	965.9	929.2	892.6	863.8
35°	1197.7	1128.3	1062.0	1008.5	960.9	920.3	877.7	840.1	798.4	758.8	742.0
37.5°	1044.1	969.8	896.5	850.0	812.3	783.6	744.0	713.3	675.6	651.8	632.0
40°	910.4	831.1	761.8	722.2	692.5	659.8	627.1	603.3	576.5	552.8	537.9
42.5°	797.5	723.2	663.7	630.0	594.4	558.7	533.9	514.1	497.3	479.5	461.6
45°	693.4	622.1	572.6	531.0	501.3	472.5	455.7	446.8	436.9	426.0	414.1
47.5°	606.3	544.8	496.3	457.7	427.0	407.1	399.2	396.3	392.3	383.4	377.4
50°	539.9	489.4	439.8	405.2	379.4	369.5	360.6	357.6	352.7	349.7	345.7
52.5°	484.4	430.9	389.3	357.6	341.8	337.8	333.8	329.9	328.9	326.9	324.9
55°	438.8	392.3	353.7	329.9	322.0	319.0	318.0	314.0	313.0	313.0	310.1
57.5°	398.2	358.6	323.9	309.1	304.1	301.2	299.2	297.2	297.2	299.2	298.2
60°	356.6	322.9	302.1	294.2	291.2	286.3	281.3	279.4	280.3	285.3	285.3
62.5°	316.0	291.2	278.4	275.4	272.4	268.5	262.5	260.5	262.5	268.5	271.4
65°	271.4	260.5	256.6	254.6	252.6	249.6	245.7	243.7	244.7	247.7	251.6
67.5°	230.8	229.8	229.8	230.8	229.8	228.8	226.9	223.9	222.9	222.9	224.9
70°	206.1	206.1	209.0	209.0	208.0	208.0	205.1	202.1	200.1	198.1	199.1
72.5°	187.2	187.2	188.2	189.2	188.2	188.2	184.3	182.3	177.3	176.3	174.4
75°	171.4	169.4	169.4	168.4	167.4	168.4	164.4	159.5	157.5	156.5	154.5
77.5°	155.5	151.6	149.6	147.6	148.6	147.6	144.6	141.7	138.7	137.7	136.7
80°	137.7	131.8	128.8	123.8	126.8	127.8	125.8	122.8	121.8	120.9	119.9
82.5°	113.9	108.0	104.0	101.0	99.1	101.0	104.0	111.0	109.0	108.0	106.0
85°	89.2	79.3	74.3	75.3	70.3	71.3	80.2	84.2	84.2	86.2	84.2
87.5°	50.5	48.5	36.7	33.7	35.7	42.6	47.6	52.5	52.5	49.5	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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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1600.9	1602.8	1603.8	1607.8	1609.8	1610.8	1611.8	1613.7	1614.7	1613.7	1618.7
5°	1608.8	1608.8	1606.8	1609.8	1610.8	1610.8	1608.8	1610.8	1610.8	1610.8	1615.7
7.5°	1629.6	1623.6	1620.7	1616.7	1613.7	1609.8	1604.8	1604.8	1603.8	1604.8	1607.8
10°	1651.4	1642.5	1631.6	1621.7	1612.7	1605.8	1596.9	1593.9	1592.9	1591.9	1599.9
12.5°	1668.2	1652.4	1635.5	1618.7	1600.9	1589.0	1574.1	1565.2	1564.2	1564.2	1574.1
15°	1656.3	1630.6	1597.9	1568.2	1552.3	1535.5	1518.6	1507.7	1506.7	1508.7	1514.7
17.5°	1596.9	1555.3	1526.6	1497.8	1477.0	1463.2	1452.3	1450.3	1454.2	1450.3	1458.2
20°	1495.9	1451.3	1431.5	1408.7	1400.8	1390.8	1375.0	1361.1	1361.1	1343.3	1348.2
22.5°	1365.1	1340.3	1314.6	1296.7	1290.8	1274.0	1257.1	1238.3	1236.3	1214.5	1211.5
25°	1228.4	1203.6	1182.8	1178.8	1161.0	1138.2	1122.4	1100.6	1095.6	1073.8	1070.9
27.5°	1088.7	1068.9	1048.1	1036.2	1026.3	1001.5	987.7	961.9	952.0	928.2	925.2
30°	956.0	942.1	917.3	907.4	888.6	859.9	830.1	814.3	806.4	781.6	773.7
32.5°	831.1	809.3	790.5	778.6	754.9	722.2	695.4	672.6	657.8	628.1	620.1
35°	712.3	690.5	681.6	650.8	630.0	608.2	571.6	557.7	531.0	508.2	500.3
37.5°	607.3	586.5	574.6	548.8	528.0	506.2	484.4	466.6	453.7	448.8	448.8
40°	517.1	506.2	491.4	472.5	458.7	442.8	430.9	425.0	424.0	426.0	430.9
42.5°	452.7	440.8	430.9	421.0	411.1	409.1	406.2	410.1	415.1	420.0	425.0
45°	404.2	394.3	388.3	384.4	383.4	386.3	392.3	398.2	407.1	413.1	417.1
47.5°	369.5	361.6	359.6	358.6	363.6	372.5	380.4	389.3	396.3	402.2	406.2
50°	339.8	332.9	331.9	330.9	337.8	345.7	352.7	364.6	369.5	373.5	376.4
52.5°	319.0	313.0	310.1	311.1	318.0	324.9	334.8	343.7	350.7	353.7	356.6
55°	302.1	300.2	293.2	296.2	303.1	312.0	322.0	331.9	338.8	343.7	348.7
57.5°	289.3	284.3	279.4	284.3	291.2	300.2	312.0	321.0	329.9	336.8	341.8
60°	275.4	271.4	267.5	272.4	279.4	288.3	297.2	309.1	320.0	326.9	331.9
62.5°	263.5	260.5	256.6	257.6	260.5	266.5	271.4	282.3	292.2	301.2	307.1
65°	246.7	245.7	239.7	240.7	242.7	248.6	252.6	262.5	272.4	280.3	285.3
67.5°	221.9	219.9	219.9	222.9	223.9	226.9	229.8	239.7	247.7	253.6	259.5
70°	197.1	196.1	196.1	198.1	197.1	200.1	204.1	213.0	222.9	228.8	234.8
72.5°	173.4	173.4	172.4	174.4	174.4	175.3	180.3	188.2	197.1	202.1	206.1
75°	152.6	151.6	151.6	151.6	152.6	152.6	157.5	164.4	173.4	176.3	182.3
77.5°	133.7	133.7	133.7	133.7	134.7	133.7	136.7	141.7	144.6	149.6	149.6
80°	117.9	116.9	117.9	118.9	118.9	117.9	117.9	118.9	119.9	119.9	119.9
82.5°	104.0	101.0	103.0	108.0	108.0	108.0	107.0	100.1	95.1	95.1	97.1
85°	83.2	83.2	84.2	91.1	92.1	88.2	92.1	82.2	72.3	69.3	71.3
87.5°	51.5	40.6	49.5	56.5	56.5	53.5	59.4	55.5	46.6	37.6	35.7
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	0°
2.5°	1622.7	1623.6	1629.6	1632.6	1632.6	1636.5	1638.5	1644.4	1643.5	1643.5	1645.4	2.5°
5°	1620.7	1623.6	1629.6	1633.5	1635.5	1640.5	1644.4	1651.4	1650.4	1652.4	1653.4	5°
7.5°	1613.7	1621.7	1627.6	1635.5	1642.5	1646.4	1651.4	1657.3	1655.3	1656.3	1655.3	7.5°
10°	1607.8	1615.7	1627.6	1638.5	1648.4	1654.4	1657.3	1664.3	1663.3	1665.2	1665.2	10°
12.5°	1584.0	1597.9	1612.7	1629.6	1644.4	1660.3	1670.2	1685.1	1692.0	1700.9	1710.8	12.5°
15°	1523.6	1539.4	1563.2	1582.0	1610.8	1632.6	1661.3	1690.0	1715.8	1740.5	1769.3	15°
17.5°	1464.2	1471.1	1489.9	1515.7	1541.4	1574.1	1608.8	1660.3	1706.9	1757.4	1812.9	17.5°
20°	1354.2	1366.1	1379.0	1409.7	1440.4	1486.9	1529.5	1596.9	1665.2	1744.5	1829.7	20°
22.5°	1218.5	1230.4	1244.2	1278.9	1316.5	1364.1	1415.6	1490.9	1582.0	1685.1	1799.0	22.5°
25°	1071.9	1078.8	1089.7	1124.4	1147.1	1209.6	1272.0	1350.2	1449.3	1582.0	1714.8	25°
27.5°	910.4	923.3	932.2	948.0	1000.5	1054.0	1119.4	1203.6	1323.5	1459.2	1619.7	27.5°
30°	755.9	766.7	761.8	795.5	830.1	886.6	956.9	1050.1	1165.0	1326.5	1511.7	30°
32.5°	604.3	612.2	609.2	633.0	667.7	724.2	790.5	891.6	1013.4	1185.8	1386.9	32.5°
35°	498.3	500.3	511.2	522.1	551.8	597.3	653.8	742.0	866.8	1025.3	1238.3	35°
37.5°	448.8	452.7	459.7	474.5	496.3	529.0	575.6	643.9	750.9	890.6	1080.8	37.5°
40°	433.9	436.9	440.8	450.7	471.5	500.3	541.9	599.3	677.6	795.5	950.0	40°
42.5°	427.0	427.0	427.0	432.9	448.8	479.5	527.0	583.5	651.8	741.0	865.8	42.5°
45°	417.1	417.1	416.1	419.0	429.9	460.6	512.2	575.6	648.9	734.1	842.0	45°
47.5°	406.2	405.2	402.2	402.2	409.1	439.8	493.3	561.7	641.9	740.0	855.9	47.5°
50°	376.4	376.4	376.4	379.4	385.4	413.1	470.5	542.9	635.0	744.0	877.7	50°
52.5°	359.6	360.6	363.6	363.6	369.5	398.2	458.7	538.9	639.0	758.8	905.4	52.5°
55°	351.7	354.6	357.6	357.6	362.6	392.3	454.7	541.9	653.8	789.5	953.0	55°
57.5°	344.7	347.7	349.7	349.7	353.7	379.4	443.8	536.9	662.7	819.3	1011.4	57.5°
60°	331.9	333.8	334.8	334.8	335.8	357.6	419.0	513.1	642.9	817.3	1043.1	60°
62.5°	308.1	312.0	313.0	314.0	314.0	334.8	387.3	474.5	600.3	787.6	1034.2	62.5°
65°	290.3	292.2	295.2	297.2	301.2	315.0	356.6	428.0	544.8	728.1	984.7	65°
67.5°	262.5	265.5	268.5	272.4	276.4	285.3	318.0	375.4	469.6	627.1	873.7	67.5°
70°	237.8	238.7	241.7	246.7	247.7	252.6	276.4	316.0	384.4	503.2	703.3	70°
72.5°	207.0	209.0	213.0	218.9	218.9	222.9	236.8	257.6	301.2	384.4	519.1	72.5°
75°	180.3	182.3	185.2	185.2	180.3	181.3	191.2	206.1	238.7	289.3	378.4	75°
77.5°	149.6	153.5	156.5	150.6	148.6	151.6	156.5	167.4	191.2	229.8	284.3	77.5°
80°	123.8	125.8	126.8	127.8	125.8	128.8	132.7	139.7	155.5	185.2	224.9	80°
82.5°	99.1	101.0	104.0	108.0	108.0	118.9	119.9	119.9	128.8	147.6	176.3	82.5°
85°	73.3	77.3	81.2	86.2	87.2	93.1	90.1	89.2	92.1	110.0	121.8	85°
87.5°	37.6	40.6	42.6	46.6	41.6	43.6	43.6	40.6	35.7	44.6	49.5	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: P158795

NUMBER: VTS-F06-LED-E1-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
1647.4	1645.4	1647.4	1647.4	1650.4	1648.4	1753.4
1655.3	1653.4	1655.3	1657.3	1660.3	1660.3	1776.2
1656.3	1656.3	1654.4	1659.3	1663.3	1667.2	1798.0
1668.2	1668.2	1670.2	1671.2	1680.1	1690.0	1833.7
1716.8	1721.7	1730.6	1733.6	1749.5	1760.3	1924.8
1791.1	1818.8	1836.6	1842.6	1856.4	1877.2	2078.3
1866.3	1912.9	1961.4	1991.2	2009.0	2033.8	2266.6
1922.8	2010.0	2093.2	2167.5	2210.1	2258.6	2530.1
1927.8	2066.5	2207.1	2344.8	2458.7	2548.9	2886.7
1880.2	2062.5	2256.7	2467.7	2663.8	2826.3	3296.8
1819.8	2043.7	2291.3	2560.8	2818.3	3058.1	3599.0
1743.5	2012.0	2297.3	2600.4	2902.5	3190.8	3771.3
1627.6	1917.9	2225.9	2560.8	2911.5	3262.1	3882.3
1479.0	1775.2	2091.2	2472.6	2869.9	3290.9	3975.4
1327.4	1619.7	1959.5	2354.7	2803.5	3285.9	4013.0
1167.0	1457.2	1804.9	2228.9	2713.3	3240.4	4006.1
1058.0	1322.5	1663.3	2101.1	2613.3	3179.9	3959.5
994.6	1226.4	1551.3	1984.2	2522.1	3107.6	3901.1
993.6	1197.7	1491.9	1901.0	2430.0	3027.4	3821.9
1028.3	1215.5	1485.0	1865.4	2379.5	2968.9	3735.7
1068.9	1265.0	1521.6	1878.2	2378.5	2943.2	3675.2
1133.3	1349.2	1601.8	1933.7	2404.3	2939.2	3600.9
1215.5	1463.2	1746.5	2070.4	2504.3	3017.5	3605.9
1299.7	1596.9	1935.7	2304.2	2701.4	3199.7	3762.4
1330.4	1699.9	2127.9	2578.6	2996.7	3473.1	4085.4
1303.7	1723.7	2244.8	2791.6	3283.9	3793.1	4470.7
1204.6	1627.6	2197.2	2852.0	3449.4	4020.0	4856.1
991.6	1388.9	1981.3	2716.3	3436.5	4066.5	4994.8
727.1	1076.8	1610.8	2308.2	3055.1	3775.3	4786.7
525.0	761.8	1163.0	1738.6	2415.2	3040.2	4015.0
376.4	528.0	754.9	1142.2	1645.4	2117.0	2861.9
270.4	358.6	470.5	685.5	1002.5	1299.7	1798.0
199.1	245.7	309.1	426.0	590.4	756.8	1082.8
135.7	144.6	186.2	251.6	387.3	556.7	735.0
51.5	58.4	68.4	103.0	173.4	199.1	140.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)