

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: STREETWORKS

Report Number: P158899

Luminaire Tested: **VST-E06-LED-E-U-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158899
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: STREETWORKS
Catalog Number: VST-E06-LED-E-U-SLL-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14726.6 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 150.5
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: 28.75 FT



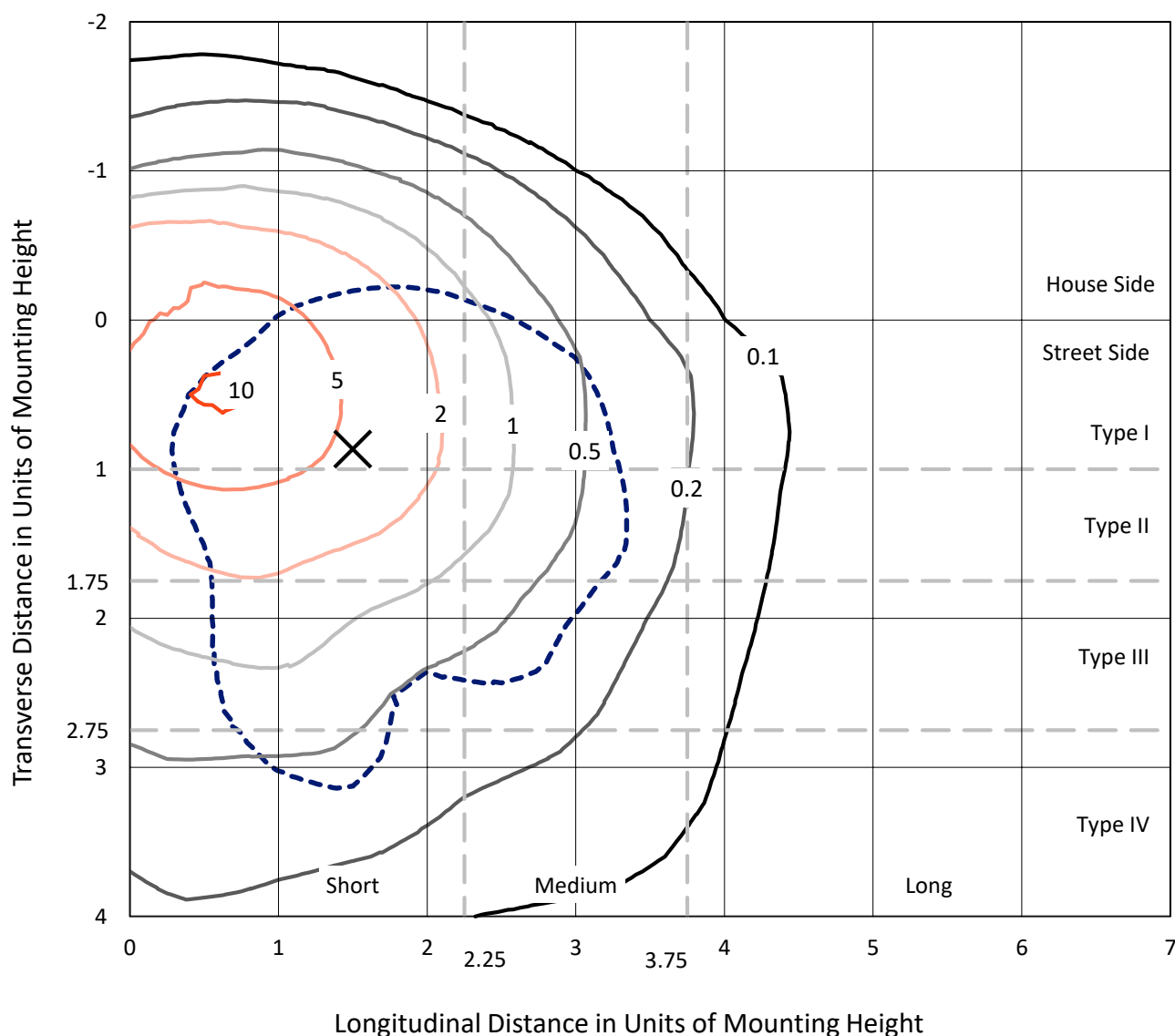
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

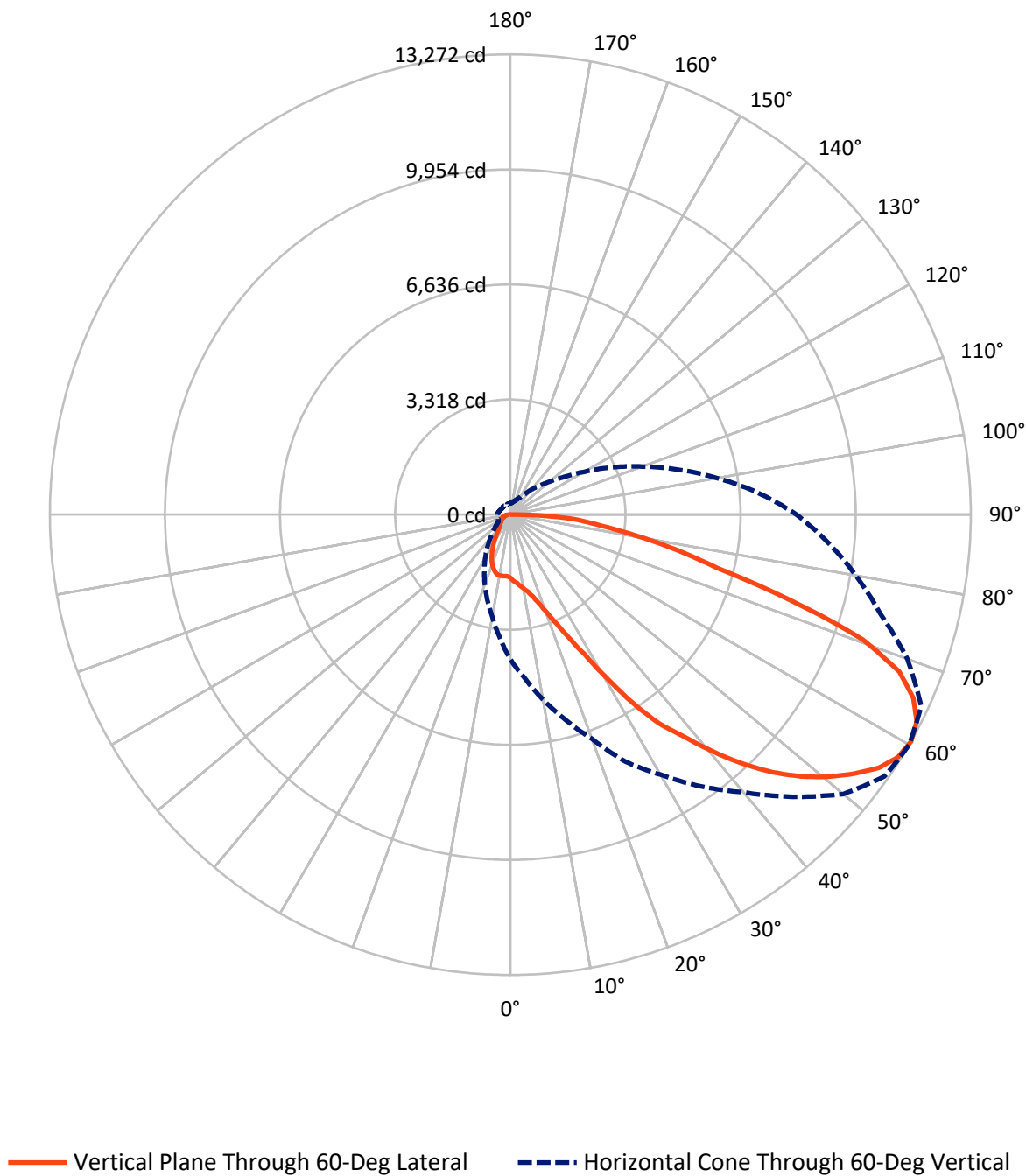


Based on 20 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3316.0	0.0	3316.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	11410.6	0.0	11410.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	14726.6	0.0	14726.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	1.2
10°-20°	583.4	4.0
20°-30°	1107.0	7.5
30°-40°	1743.4	11.8
40°-50°	2433.4	16.5
50°-60°	3009.5	20.4
60°-70°	3119.5	21.2
70°-80°	1962.9	13.3
80°-90°	586.8	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14726.6	100.0
0°-180°	14726.6	100.0

Coefficient of Utilization



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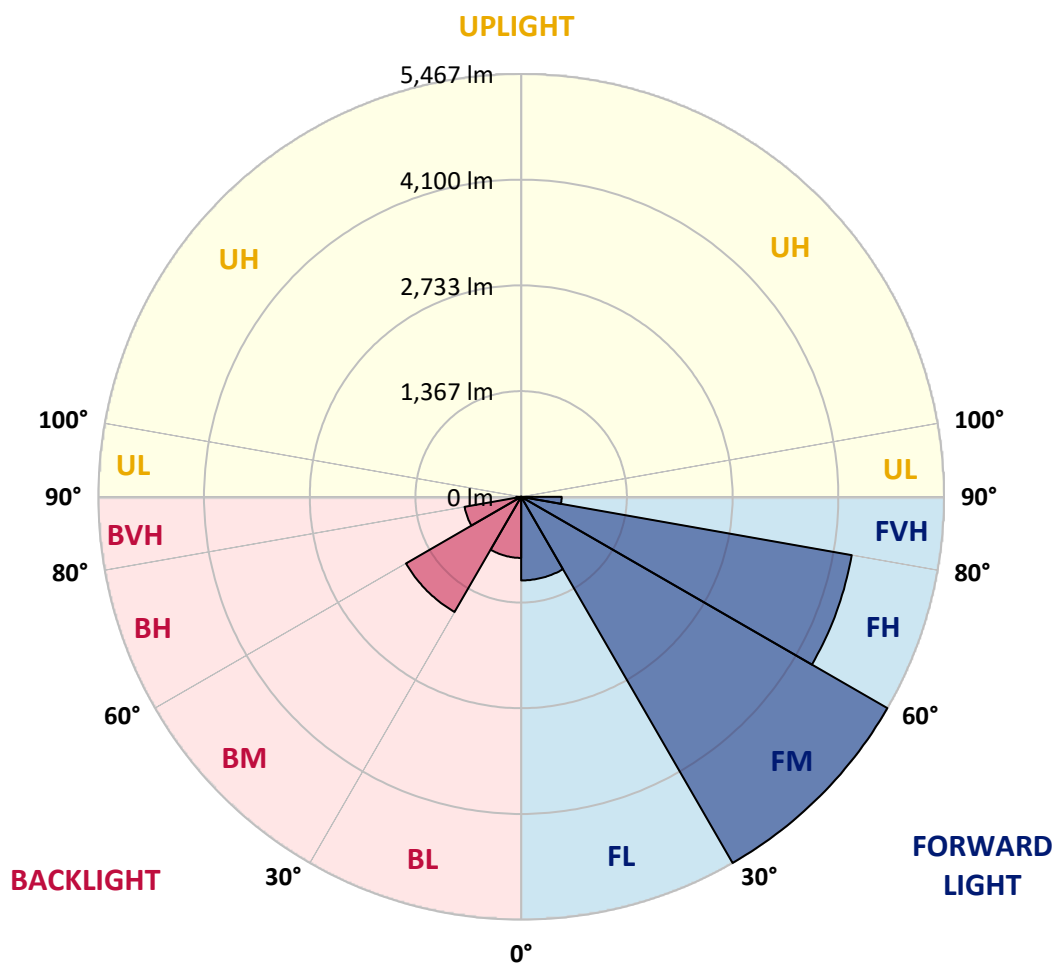
CATALOG NUMBER: VST-E06-LED-E-U-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1081.2	7.3			
FM	(30°-60°)	5466.7	37.1			
FH	(60°-80°)	4339.8	29.5			G2/5000
FVH	(80°-90°)	522.9	3.6			G4/750
BL	(0°-30°)	790.0	5.4	B2/1000		
BM	(30°-60°)	1719.5	11.7	B2/2500		
BH	(60°-80°)	742.6	5.0	B2/1000		G2/1000
BVH	(80°-90°)	63.8	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1940.0	1937.8	1937.8	1937.8	1936.7	1934.5	1937.8	1936.7	1931.2	1927.9	1931.2
5°	1965.2	1966.3	1969.5	1970.6	1970.6	1973.9	1982.7	1983.8	1982.7	1984.9	1990.4
7.5°	1989.3	1994.8	1998.0	2003.5	2010.1	2015.6	2030.9	2046.3	2056.1	2063.8	2066.0
10°	2028.7	2037.5	2047.4	2061.6	2077.0	2104.4	2117.5	2132.9	2142.7	2158.1	2161.4
12.5°	2129.6	2140.5	2147.1	2169.0	2188.8	2215.1	2233.7	2238.1	2261.1	2274.2	2289.6
15°	2299.5	2315.9	2338.9	2352.1	2374.0	2397.0	2413.4	2435.4	2438.6	2456.2	2468.2
17.5°	2507.7	2530.7	2577.8	2609.6	2638.1	2661.1	2694.0	2719.2	2724.7	2744.4	2719.2
20°	2799.2	2855.1	2862.8	2926.4	2951.6	2997.6	3063.4	3075.4	3107.2	3075.4	3056.8
22.5°	3193.8	3281.5	3305.6	3367.0	3397.7	3467.8	3487.5	3552.2	3574.1	3550.0	3499.6
25°	3647.6	3783.5	3853.6	3947.9	3963.2	4106.8	4122.1	4197.8	4157.2	4099.1	4100.2
27.5°	3981.8	4213.1	4393.9	4555.1	4668.0	4830.2	4956.2	4991.3	4952.9	4877.3	4851.0
30°	4172.5	4434.5	4694.3	4916.7	5179.8	5427.5	5685.1	5813.3	5835.2	5874.7	5715.7
32.5°	4295.3	4631.8	4940.9	5216.0	5485.6	5804.5	6149.8	6479.7	6757.0	6966.3	6867.7
35°	4398.3	4813.7	5209.4	5542.6	5861.5	6209.0	6557.5	6946.6	7405.8	7674.3	7730.2
37.5°	4440.0	4947.4	5431.9	5859.3	6307.6	6698.9	7045.2	7391.6	7873.8	8352.8	8500.7
40°	4432.3	5013.2	5564.5	6101.5	6650.7	7139.5	7545.0	7954.9	8519.4	9079.4	9320.6
42.5°	4380.8	5023.1	5648.9	6262.7	6888.5	7538.4	8056.8	8529.2	9070.7	9788.6	10129.4
45°	4316.1	4989.1	5666.4	6344.9	7064.9	7816.8	8472.2	9056.4	9691.0	10400.1	10812.2
47.5°	4228.4	4935.4	5644.5	6373.4	7143.9	7995.5	8766.0	9468.5	10166.7	10983.2	11506.0
50°	4133.1	4858.7	5599.6	6352.5	7163.6	8093.0	8933.7	9733.8	10549.2	11430.4	12091.3
52.5°	4066.2	4776.5	5559.0	6309.8	7143.9	8122.6	8995.0	9876.2	10783.7	11694.5	12483.7
55°	3984.0	4666.9	5450.5	6210.1	7071.5	8106.2	8988.5	9925.6	10848.4	11796.5	12697.4
57.5°	3989.5	4616.4	5358.4	6090.6	6923.6	7953.8	8864.6	9876.2	10746.5	11730.7	12705.1
60°	4162.7	4724.9	5406.7	6114.7	6879.7	7857.4	8654.2	9558.4	10447.3	11503.8	12527.5
62.5°	4520.0	5035.1	5654.4	6355.8	7126.3	8050.3	8558.8	9030.1	9819.2	11086.2	12225.0
65°	4946.3	5411.1	5948.1	6615.6	7479.2	8363.7	8505.1	8600.5	8999.4	10274.1	11657.3
67.5°	5372.7	5788.1	6210.1	6763.5	7679.8	8453.6	8285.9	8059.0	8273.9	9330.4	10541.5
70°	5526.1	6077.4	6354.7	6735.0	7527.5	8244.3	7931.9	7360.9	7435.4	8395.5	9281.1
72.5°	5296.0	6081.8	6173.9	6315.3	6849.0	7523.1	7193.2	6458.8	6443.5	7176.7	7892.4
75°	4442.2	5548.1	5547.0	5494.4	5614.9	5998.5	5827.5	5384.7	5572.2	6149.8	6385.4
77.5°	3166.4	4329.3	4384.1	4030.1	4021.3	4194.5	4297.5	4812.6	5492.2	5816.6	5742.1
80°	1989.3	2920.9	3156.5	2719.2	2626.1	2871.6	3508.4	4258.0	5094.3	5385.8	5134.9
82.5°	1198.0	1881.9	2383.8	2136.1	2114.2	2561.4	3265.0	3556.6	3807.6	4117.7	3698.0
85°	813.2	1253.8	1630.9	1680.2	1872.0	2334.5	2640.3	2511.0	2517.6	2436.5	2219.4
87.5°	155.6	342.0	559.0	681.7	756.3	1016.0	1104.8	1000.7	1056.6	772.7	845.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1925.7	1925.7	1925.7	1920.2	1921.3	1913.7	1910.4	1910.4	1907.1	1907.1	1906.0
5°	1986.0	1979.4	1982.7	1981.6	1981.6	1970.6	1965.2	1965.2	1950.9	1952.0	1947.6
7.5°	2075.9	2074.8	2078.1	2071.5	2062.7	2053.9	2045.2	2040.8	2021.1	2009.0	2001.3
10°	2177.8	2176.7	2180.0	2178.9	2163.5	2147.1	2123.0	2105.5	2081.3	2062.7	2044.1
12.5°	2289.6	2288.5	2286.3	2276.4	2260.0	2233.7	2203.0	2173.4	2137.2	2113.1	2085.7
15°	2463.9	2460.6	2447.4	2433.2	2415.6	2375.1	2321.4	2278.6	2230.4	2188.8	2143.8
17.5°	2721.4	2694.0	2691.8	2660.0	2612.9	2559.2	2508.8	2437.5	2368.5	2306.0	2244.6
20°	3076.5	3013.0	2995.4	2959.3	2896.8	2840.9	2731.3	2635.9	2541.7	2456.2	2378.4
22.5°	3463.4	3417.4	3374.6	3315.5	3230.0	3148.9	3009.7	2890.2	2769.6	2660.0	2573.5
25°	4003.8	3923.8	3847.0	3752.8	3634.4	3538.0	3379.0	3258.5	3100.6	3000.9	2876.0
27.5°	4701.9	4564.9	4435.6	4354.5	4146.2	4006.0	3803.2	3647.6	3456.8	3322.0	3174.1
30°	5610.5	5451.6	5259.8	4979.2	4731.5	4453.1	4202.1	4002.7	3799.9	3611.4	3440.4
32.5°	6737.2	6456.7	6153.1	5708.1	5301.5	4904.7	4570.4	4324.9	4117.7	3883.2	3642.1
35°	7689.7	7400.3	6969.6	6404.0	5902.1	5448.3	5048.3	4712.9	4442.2	4145.1	3826.2
37.5°	8441.5	8111.6	7707.2	7106.6	6576.1	6059.9	5640.1	5212.7	4857.6	4448.7	4045.4
40°	9303.0	8972.0	8527.0	7904.5	7276.5	6716.4	6224.3	5782.6	5346.4	4847.7	4329.3
42.5°	10053.8	9814.9	9364.4	8721.0	8025.1	7401.4	6863.3	6358.0	5788.1	5230.2	4616.4
45°	10836.4	10593.0	10165.6	9492.6	8752.8	8057.9	7414.6	6871.0	6198.0	5533.8	4831.3
47.5°	11527.9	11278.0	10846.2	10177.6	9391.8	8659.7	7951.6	7294.0	6512.6	5749.7	4971.5
50°	12187.7	11882.0	11486.3	10819.9	9980.4	9197.8	8429.5	7585.6	6757.0	5901.0	5066.9
52.5°	12793.8	12404.8	12029.9	11343.8	10436.3	9618.7	8761.6	7833.3	6907.1	6020.4	5131.6
55°	13138.0	12887.0	12438.7	11764.7	10760.7	9908.0	8972.0	8007.5	7056.2	6104.8	5159.0
57.5°	13244.3	13182.9	12807.0	12008.0	10951.4	10066.9	9114.5	8145.6	7155.9	6128.9	5120.6
60°	13159.9	13271.7	13065.7	12179.0	11038.0	10114.1	9184.7	8244.3	7173.5	6052.2	5004.4
62.5°	12889.2	13143.5	13117.2	12236.0	10993.1	10054.9	9177.0	8193.8	7009.1	5813.3	4743.6
65°	12444.2	12764.3	12877.1	12024.4	10739.9	9839.0	8981.9	7877.1	6552.0	5346.4	4306.3
67.5°	11606.9	12091.3	12200.9	11331.8	10077.9	9241.6	8419.6	7219.5	5705.9	4624.1	3623.4
70°	9928.8	10776.1	10924.0	10012.1	8910.6	8176.3	7479.2	6177.2	4751.2	3708.9	2780.6
72.5°	7926.4	8459.1	8761.6	8133.6	7313.7	6781.1	6252.8	4739.2	3585.1	2736.8	1913.7
75°	6196.9	6165.1	6435.8	6018.2	5536.0	5287.2	4890.4	3306.7	2401.4	1812.8	1211.1
77.5°	5298.2	4890.4	4582.5	4288.7	4002.7	3923.8	3543.4	2051.8	1484.0	1086.2	724.5
80°	4403.8	3659.6	3097.4	2684.2	2582.2	2737.9	2319.2	1210.0	879.0	623.6	454.8
82.5°	3146.7	2632.6	2142.7	1880.8	1706.5	1954.2	1367.8	671.9	476.8	373.7	301.4
85°	2039.7	1949.8	1929.0	1843.5	1632.0	1541.0	1039.0	578.7	357.3	232.4	187.4
87.5°	784.8	1006.1	1160.7	1244.0	1344.8	1198.0	541.4	199.5	196.2	120.6	91.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1898.3	1893.9	1892.8	1889.5	1887.3	1887.3	1881.9	1782.1	1781.0	1781.0	1779.9
5°	1938.9	1933.4	1927.9	1926.8	1922.4	1922.4	1916.9	1817.2	1817.2	1817.2	1815.0
7.5°	1993.7	1982.7	1976.1	1972.8	1966.3	1969.5	1973.9	1873.1	1874.2	1873.1	1875.3
10°	2033.1	2026.5	2018.9	2016.7	2012.3	2015.6	2022.2	1922.4	1925.7	1926.8	1929.0
12.5°	2071.5	2060.5	2050.7	2047.4	2045.2	2053.9	2061.6	1965.2	1968.5	1971.7	1971.7
15°	2118.6	2100.0	2086.8	2079.2	2074.8	2083.5	2094.5	1999.1	2000.2	2003.5	2002.4
17.5°	2198.6	2171.2	2140.5	2135.0	2120.8	2124.1	2126.3	2020.0	2015.6	2007.9	1994.8
20°	2322.5	2280.8	2239.2	2221.6	2193.1	2181.1	2157.0	2021.1	1993.7	1970.6	1950.9
22.5°	2500.0	2438.6	2393.7	2364.1	2306.0	2265.5	2199.7	2015.6	1964.1	1924.6	1893.9
25°	2787.2	2713.7	2644.7	2570.2	2479.2	2398.1	2301.6	2063.8	1983.8	1915.8	1856.7
27.5°	3066.7	2950.5	2844.2	2732.4	2604.1	2482.5	2346.6	2079.2	1988.2	1900.5	1804.0
30°	3276.0	3107.2	2946.1	2782.8	2615.1	2457.3	2303.8	2026.5	1918.0	1819.4	1717.5
32.5°	3403.1	3183.9	2974.6	2771.8	2574.6	2397.0	2224.9	1935.6	1816.1	1699.9	1591.4
35°	3523.7	3251.9	2992.1	2753.2	2527.4	2330.1	2144.9	1829.3	1686.8	1562.9	1425.9
37.5°	3672.8	3323.1	3003.1	2719.2	2458.4	2232.6	2028.7	1695.5	1553.1	1400.7	1271.4
40°	3851.4	3396.6	2992.1	2651.3	2351.0	2104.4	1888.4	1555.3	1396.3	1248.4	1121.2
42.5°	4021.3	3461.2	2963.6	2560.3	2233.7	1970.6	1760.2	1430.3	1271.4	1120.1	994.1
45°	4147.3	3516.0	2949.4	2496.7	2143.8	1879.7	1647.3	1329.5	1161.8	1009.4	881.2
47.5°	4235.0	3548.9	2942.8	2461.7	2081.3	1785.4	1544.3	1228.6	1052.2	898.7	773.8
50°	4281.1	3547.8	2926.4	2423.3	1989.3	1672.5	1438.0	1126.7	951.3	801.2	687.2
52.5°	4293.1	3528.1	2891.3	2353.2	1877.5	1559.6	1324.0	1020.4	862.6	719.0	603.9
55°	4265.7	3479.9	2817.9	2235.9	1758.0	1440.2	1219.9	937.1	776.0	640.1	550.2
57.5°	4187.9	3394.4	2679.8	2074.8	1632.0	1329.5	1100.4	836.3	681.7	567.7	493.2
60°	4043.2	3213.5	2463.9	1884.1	1472.0	1160.7	936.0	704.7	582.0	496.5	436.2
62.5°	3775.8	2929.7	2160.3	1621.0	1241.8	941.5	747.5	562.3	470.2	414.3	377.0
65°	3345.1	2502.2	1808.4	1276.9	943.7	685.0	555.7	423.1	356.2	322.2	311.3
67.5°	2730.2	1932.3	1315.2	886.7	639.0	480.1	386.9	309.1	277.3	264.1	259.8
70°	1984.9	1316.3	851.6	560.1	422.0	335.4	292.6	248.8	231.3	228.0	228.0
72.5°	1246.2	800.1	521.7	383.6	320.0	271.8	249.9	219.2	212.6	210.4	207.1
75°	731.0	485.5	369.4	314.6	274.0	243.3	224.7	199.5	195.1	194.0	190.7
77.5°	465.8	349.6	298.1	268.5	247.7	220.3	203.9	177.6	176.5	175.4	174.3
80°	334.3	290.4	260.9	237.8	217.0	191.8	181.9	161.1	158.9	157.8	160.0
82.5°	253.2	240.0	228.0	210.4	181.9	163.3	155.6	141.4	142.5	137.0	135.9
85°	174.3	172.1	171.0	163.3	142.5	126.0	120.6	112.9	118.4	112.9	106.3
87.5°	85.5	84.4	77.8	92.1	85.5	68.0	61.4	68.0	75.6	73.4	68.0
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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CATALOG NUMBER: VST-E06-LED-E-U-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1775.6	1771.2	1774.5	1772.3	1772.3	1771.2	1773.4	1770.1	1767.9	1770.1	1771.2
5°	1810.6	1805.1	1806.2	1798.6	1801.9	1794.2	1796.4	1790.9	1785.4	1783.2	1783.2
7.5°	1869.8	1864.3	1857.8	1856.7	1844.6	1840.2	1832.5	1828.2	1824.9	1817.2	1812.8
10°	1923.5	1914.7	1907.1	1906.0	1893.9	1883.0	1873.1	1864.3	1858.9	1847.9	1842.4
12.5°	1967.4	1958.6	1946.5	1940.0	1927.9	1914.7	1908.2	1895.0	1887.3	1875.3	1865.4
15°	1992.6	1977.2	1959.7	1947.6	1930.1	1915.8	1906.0	1896.1	1888.4	1873.1	1858.9
17.5°	1980.5	1955.3	1931.2	1909.3	1885.2	1872.0	1857.8	1845.7	1843.5	1826.0	1804.0
20°	1930.1	1900.5	1868.7	1839.1	1807.3	1788.7	1771.2	1752.5	1747.1	1726.2	1697.7
22.5°	1868.7	1834.7	1798.6	1762.4	1721.8	1695.5	1669.2	1646.2	1627.6	1596.9	1556.3
25°	1806.2	1755.8	1703.2	1657.2	1610.1	1577.2	1549.8	1524.6	1502.6	1453.3	1411.7
27.5°	1724.0	1645.1	1591.4	1538.8	1481.8	1439.1	1408.4	1373.3	1349.2	1292.2	1248.4
30°	1618.8	1539.9	1463.2	1410.6	1353.6	1307.6	1268.1	1217.7	1182.6	1141.0	1100.4
32.5°	1486.2	1407.3	1329.5	1270.3	1223.2	1166.2	1116.8	1068.6	1028.1	987.5	955.7
35°	1325.1	1248.4	1174.9	1115.7	1063.1	1018.2	971.1	929.4	883.4	839.6	820.9
37.5°	1155.2	1073.0	991.9	940.4	898.7	867.0	823.1	789.1	747.5	721.2	699.3
40°	1007.2	919.6	842.8	799.0	766.1	729.9	693.8	667.5	637.9	611.6	595.1
42.5°	882.3	800.1	734.3	697.1	657.6	618.2	590.8	568.8	550.2	530.5	510.7
45°	767.2	688.3	633.5	587.5	554.6	522.8	504.2	494.3	483.3	471.3	458.1
47.5°	670.8	602.8	549.1	506.4	472.4	450.5	441.7	438.4	434.0	424.2	417.6
50°	597.3	541.4	486.6	448.3	419.8	408.8	399.0	395.7	390.2	386.9	382.5
52.5°	536.0	476.8	430.7	395.7	378.1	373.7	369.4	365.0	363.9	361.7	359.5
55°	485.5	434.0	391.3	365.0	356.2	352.9	351.8	347.4	346.3	346.3	343.1
57.5°	440.6	396.8	358.4	342.0	336.5	333.2	331.0	328.8	328.8	331.0	329.9
60°	394.6	357.3	334.3	325.5	322.2	316.7	311.3	309.1	310.2	315.7	315.7
62.5°	349.6	322.2	308.0	304.7	301.4	297.0	290.4	288.3	290.4	297.0	300.3
65°	300.3	288.3	283.9	281.7	279.5	276.2	271.8	269.6	270.7	274.0	278.4
67.5°	255.4	254.3	254.3	255.4	254.3	253.2	251.0	247.7	246.6	246.6	248.8
70°	228.0	228.0	231.3	231.3	230.2	230.2	226.9	223.6	221.4	219.2	220.3
72.5°	207.1	207.1	208.2	209.3	208.2	208.2	203.9	201.7	196.2	195.1	192.9
75°	189.6	187.4	187.4	186.3	185.2	186.3	181.9	176.5	174.3	173.2	171.0
77.5°	172.1	167.7	165.5	163.3	164.4	163.3	160.0	156.7	153.4	152.3	151.3
80°	152.3	145.8	142.5	137.0	140.3	141.4	139.2	135.9	134.8	133.7	132.6
82.5°	126.0	119.5	115.1	111.8	109.6	111.8	115.1	122.8	120.6	119.5	117.3
85°	98.6	87.7	82.2	83.3	77.8	78.9	88.8	93.2	93.2	95.4	93.2
87.5°	55.9	53.7	40.6	37.3	39.5	47.1	52.6	58.1	58.1	54.8	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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1771.2	1773.4	1774.5	1778.8	1781.0	1782.1	1783.2	1785.4	1786.5	1785.4	1790.9
5°	1779.9	1779.9	1777.7	1781.0	1782.1	1782.1	1779.9	1782.1	1782.1	1782.1	1787.6
7.5°	1803.0	1796.4	1793.1	1788.7	1785.4	1781.0	1775.6	1775.6	1774.5	1775.6	1778.8
10°	1827.1	1817.2	1805.1	1794.2	1784.3	1776.6	1766.8	1763.5	1762.4	1761.3	1770.1
12.5°	1845.7	1828.2	1809.5	1790.9	1771.2	1758.0	1741.6	1731.7	1730.6	1730.6	1741.6
15°	1832.5	1804.0	1767.9	1735.0	1717.5	1698.8	1680.2	1668.1	1667.0	1669.2	1675.8
17.5°	1766.8	1720.8	1689.0	1657.2	1634.2	1618.8	1606.8	1604.6	1609.0	1604.6	1613.3
20°	1655.0	1605.7	1583.7	1558.5	1549.8	1538.8	1521.3	1505.9	1505.9	1486.2	1491.7
22.5°	1510.3	1482.9	1454.4	1434.7	1428.1	1409.5	1390.8	1370.0	1367.8	1343.7	1340.4
25°	1359.1	1331.7	1308.6	1304.3	1284.5	1259.3	1241.8	1217.7	1212.2	1188.1	1184.8
27.5°	1204.5	1182.6	1159.6	1146.4	1135.5	1108.1	1092.7	1064.2	1053.3	1027.0	1023.7
30°	1057.7	1042.3	1014.9	1004.0	983.1	951.3	918.5	900.9	892.2	864.8	856.0
32.5°	919.6	895.4	874.6	861.5	835.2	799.0	769.4	744.2	727.8	694.9	686.1
35°	788.0	763.9	754.1	720.1	697.1	673.0	632.4	617.1	587.5	562.3	553.5
37.5°	671.9	648.8	635.7	607.2	584.2	560.1	536.0	516.2	502.0	496.5	496.5
40°	572.1	560.1	543.6	522.8	507.5	489.9	476.8	470.2	469.1	471.3	476.8
42.5°	500.9	487.7	476.8	465.8	454.8	452.7	449.4	453.8	459.2	464.7	470.2
45°	447.2	436.2	429.6	425.3	424.2	427.4	434.0	440.6	450.5	457.0	461.4
47.5°	408.8	400.0	397.9	396.8	402.2	412.1	420.9	430.7	438.4	445.0	449.4
50°	375.9	368.3	367.2	366.1	373.7	382.5	390.2	403.3	408.8	413.2	416.5
52.5°	352.9	346.3	343.1	344.2	351.8	359.5	370.5	380.3	388.0	391.3	394.6
55°	334.3	332.1	324.4	327.7	335.4	345.2	356.2	367.2	374.8	380.3	385.8
57.5°	320.0	314.6	309.1	314.6	322.2	332.1	345.2	355.1	365.0	372.6	378.1
60°	304.7	300.3	295.9	301.4	309.1	318.9	328.8	342.0	354.0	361.7	367.2
62.5°	291.5	288.3	283.9	285.0	288.3	294.8	300.3	312.4	323.3	333.2	339.8
65°	272.9	271.8	265.2	266.3	268.5	275.1	279.5	290.4	301.4	310.2	315.7
67.5°	245.5	243.3	243.3	246.6	247.7	251.0	254.3	265.2	274.0	280.6	287.2
70°	218.1	217.0	217.0	219.2	218.1	221.4	225.8	235.6	246.6	253.2	259.8
72.5°	191.8	191.8	190.7	192.9	192.9	194.0	199.5	208.2	218.1	223.6	228.0
75°	168.8	167.7	167.7	167.7	168.8	168.8	174.3	181.9	191.8	195.1	201.7
77.5°	148.0	148.0	148.0	148.0	149.1	148.0	151.3	156.7	160.0	165.5	165.5
80°	130.4	129.3	130.4	131.5	131.5	130.4	130.4	131.5	132.6	132.6	132.6
82.5°	115.1	111.8	114.0	119.5	119.5	119.5	118.4	110.7	105.2	105.2	107.4
85°	92.1	92.1	93.2	100.8	101.9	97.5	101.9	91.0	80.0	76.7	78.9
87.5°	57.0	44.9	54.8	62.5	62.5	59.2	65.8	61.4	51.5	41.6	39.5
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	0°
2.5°	1795.3	1796.4	1803.0	1806.2	1806.2	1810.6	1812.8	1819.4	1818.3	1818.3	1820.5	2.5°
5°	1793.1	1796.4	1803.0	1807.3	1809.5	1815.0	1819.4	1827.1	1826.0	1828.2	1829.3	5°
7.5°	1785.4	1794.2	1800.8	1809.5	1817.2	1821.6	1827.1	1833.6	1831.5	1832.5	1831.5	7.5°
10°	1778.8	1787.6	1800.8	1812.8	1823.8	1830.4	1833.6	1841.3	1840.2	1842.4	1842.4	10°
12.5°	1752.5	1767.9	1784.3	1803.0	1819.4	1836.9	1847.9	1864.3	1872.0	1881.9	1892.8	12.5°
15°	1685.7	1703.2	1729.5	1750.3	1782.1	1806.2	1838.0	1869.8	1898.3	1925.7	1957.5	15°
17.5°	1619.9	1627.6	1648.4	1676.9	1705.4	1741.6	1779.9	1836.9	1888.4	1944.3	2005.7	17.5°
20°	1498.3	1511.4	1525.7	1559.6	1593.6	1645.1	1692.3	1766.8	1842.4	1930.1	2024.3	20°
22.5°	1348.1	1361.3	1376.6	1415.0	1456.6	1509.2	1566.2	1649.5	1750.3	1864.3	1990.4	22.5°
25°	1185.9	1193.6	1205.6	1244.0	1269.2	1338.2	1407.3	1493.9	1603.5	1750.3	1897.2	25°
27.5°	1007.2	1021.5	1031.4	1048.9	1107.0	1166.2	1238.5	1331.7	1464.3	1614.4	1792.0	27.5°
30°	836.3	848.3	842.8	880.1	918.5	980.9	1058.8	1161.8	1288.9	1467.6	1672.5	30°
32.5°	668.6	677.3	674.1	700.4	738.7	801.2	874.6	986.4	1121.2	1311.9	1534.4	32.5°
35°	551.3	553.5	565.5	577.6	610.5	660.9	723.4	820.9	959.0	1134.4	1370.0	35°
37.5°	496.5	500.9	508.6	525.0	549.1	585.3	636.8	712.4	830.8	985.3	1195.8	37.5°
40°	480.1	483.3	487.7	498.7	521.7	553.5	599.5	663.1	749.7	880.1	1051.1	40°
42.5°	472.4	472.4	472.4	479.0	496.5	530.5	583.1	645.6	721.2	819.8	957.9	42.5°
45°	461.4	461.4	460.3	463.6	475.7	509.6	566.6	636.8	717.9	812.2	931.6	45°
47.5°	449.4	448.3	445.0	445.0	452.7	486.6	545.8	621.4	710.2	818.7	947.0	47.5°
50°	416.5	416.5	416.5	419.8	426.4	457.0	520.6	600.6	702.5	823.1	971.1	50°
52.5°	397.9	399.0	402.2	402.2	408.8	440.6	507.5	596.2	706.9	839.6	1001.8	52.5°
55°	389.1	392.4	395.7	395.7	401.1	434.0	503.1	599.5	723.4	873.5	1054.4	55°
57.5°	381.4	384.7	386.9	386.9	391.3	419.8	491.0	594.0	733.2	906.4	1119.0	57.5°
60°	367.2	369.4	370.5	370.5	371.6	395.7	463.6	567.7	711.3	904.2	1154.1	60°
62.5°	340.9	345.2	346.3	347.4	347.4	370.5	428.5	525.0	664.2	871.3	1144.2	62.5°
65°	321.1	323.3	326.6	328.8	333.2	348.5	394.6	473.5	602.8	805.6	1089.4	65°
67.5°	290.4	293.7	297.0	301.4	305.8	315.7	351.8	415.4	519.5	693.8	966.7	67.5°
70°	263.0	264.1	267.4	272.9	274.0	279.5	305.8	349.6	425.3	556.8	778.2	70°
72.5°	229.1	231.3	235.6	242.2	242.2	246.6	261.9	285.0	333.2	425.3	574.3	72.5°
75°	199.5	201.7	205.0	205.0	199.5	200.6	211.5	228.0	264.1	320.0	418.7	75°
77.5°	165.5	169.9	173.2	166.6	164.4	167.7	173.2	185.2	211.5	254.3	314.6	77.5°
80°	137.0	139.2	140.3	141.4	139.2	142.5	146.9	154.5	172.1	205.0	248.8	80°
82.5°	109.6	111.8	115.1	119.5	119.5	131.5	132.6	132.6	142.5	163.3	195.1	82.5°
85°	81.1	85.5	89.9	95.4	96.4	103.0	99.7	98.6	101.9	121.7	134.8	85°
87.5°	41.6	44.9	47.1	51.5	46.0	48.2	48.2	44.9	39.5	49.3	54.8	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°

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
1822.7	1820.5	1822.7	1822.7	1826.0	1823.8	1940.0
1831.5	1829.3	1831.5	1833.6	1836.9	1836.9	1965.2
1832.5	1832.5	1830.4	1835.8	1840.2	1844.6	1989.3
1845.7	1845.7	1847.9	1849.0	1858.9	1869.8	2028.7
1899.4	1904.9	1914.7	1918.0	1935.6	1947.6	2129.6
1981.6	2012.3	2032.0	2038.6	2053.9	2077.0	2299.5
2064.9	2116.4	2170.1	2203.0	2222.7	2250.1	2507.7
2127.4	2223.8	2315.9	2398.1	2445.2	2498.9	2799.2
2132.9	2286.3	2441.9	2594.3	2720.3	2820.1	3193.8
2080.2	2281.9	2496.7	2730.2	2947.2	3126.9	3647.6
2013.4	2261.1	2535.1	2833.2	3118.2	3383.4	3981.8
1929.0	2226.0	2541.7	2877.1	3211.3	3530.3	4172.5
1800.8	2121.9	2462.8	2833.2	3221.2	3609.2	4295.3
1636.4	1964.1	2313.7	2735.7	3175.2	3641.0	4398.3
1468.7	1792.0	2167.9	2605.2	3101.7	3635.5	4440.0
1291.1	1612.2	1996.9	2466.0	3002.0	3585.1	4432.3
1170.5	1463.2	1840.2	2324.7	2891.3	3518.2	4380.8
1100.4	1356.9	1716.4	2195.3	2790.5	3438.2	4316.1
1099.3	1325.1	1650.6	2103.3	2688.5	3349.4	4228.4
1137.7	1344.8	1642.9	2063.8	2632.6	3284.8	4133.1
1182.6	1399.6	1683.5	2078.1	2631.5	3256.3	4066.2
1253.8	1492.8	1772.3	2139.4	2660.0	3251.9	3984.0
1344.8	1618.8	1932.3	2290.7	2770.7	3338.5	3989.5
1438.0	1766.8	2141.6	2549.3	2988.8	3540.1	4162.7
1472.0	1880.8	2354.3	2852.9	3315.5	3842.6	4520.0
1442.4	1907.1	2483.6	3088.6	3633.3	4196.7	4946.3
1332.8	1800.8	2431.0	3155.4	3816.3	4447.7	5372.7
1097.1	1536.6	2192.0	3005.3	3802.1	4499.2	5526.1
804.5	1191.4	1782.1	2553.7	3380.1	4176.9	5296.0
580.9	842.8	1286.7	1923.5	2672.1	3363.7	4442.2
416.5	584.2	835.2	1263.7	1820.5	2342.2	3166.4
299.2	396.8	520.6	758.4	1109.2	1438.0	1989.3
220.3	271.8	342.0	471.3	653.2	837.4	1198.0
150.2	160.0	206.1	278.4	428.5	616.0	813.2
57.0	64.7	75.6	114.0	191.8	220.3	155.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)