

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: P158915

Luminaire Tested: **VST-F07-LED-E-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158915
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-F07-LED-E-U-SLL
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (49) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15528.9 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 180.5
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



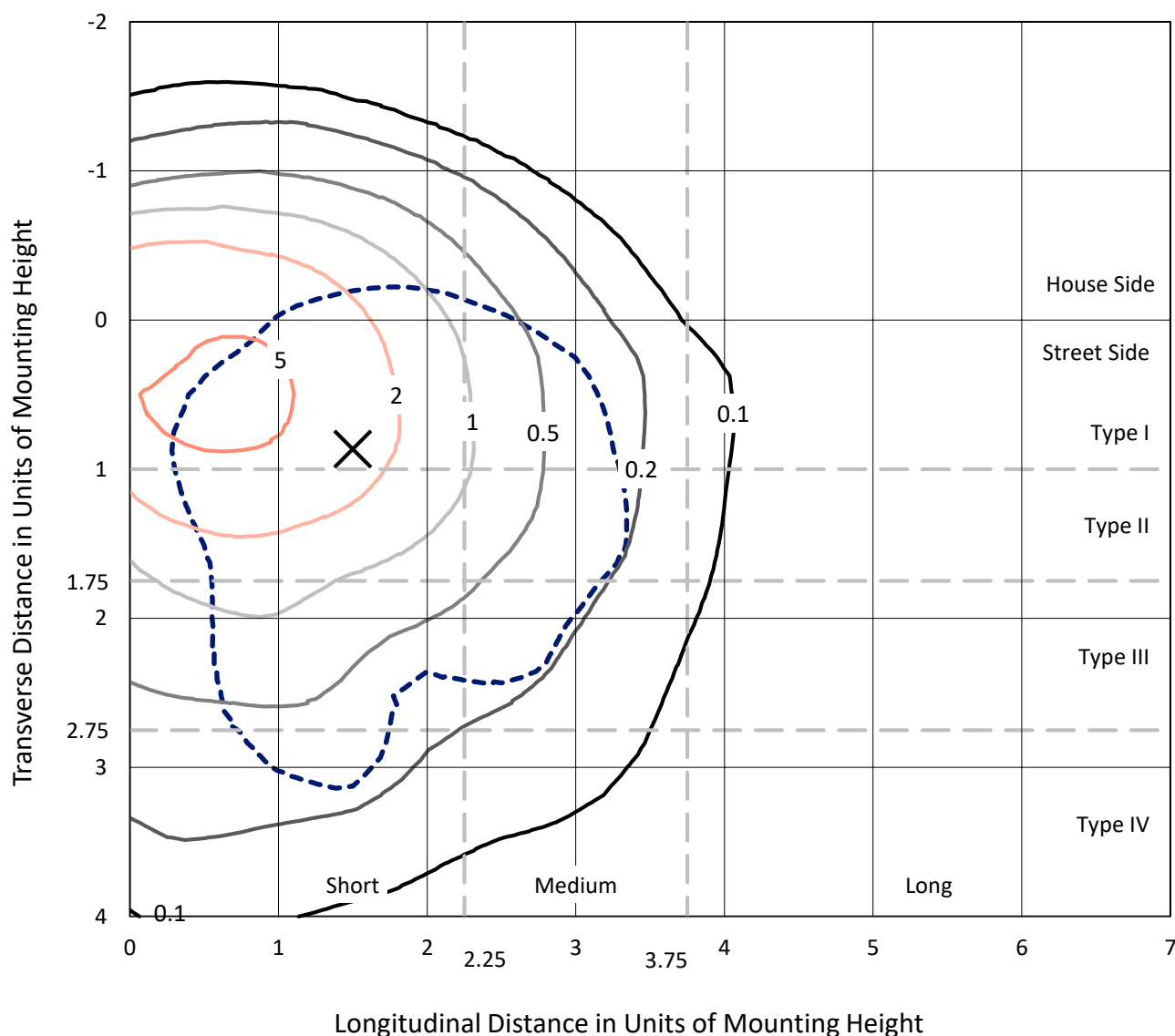
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

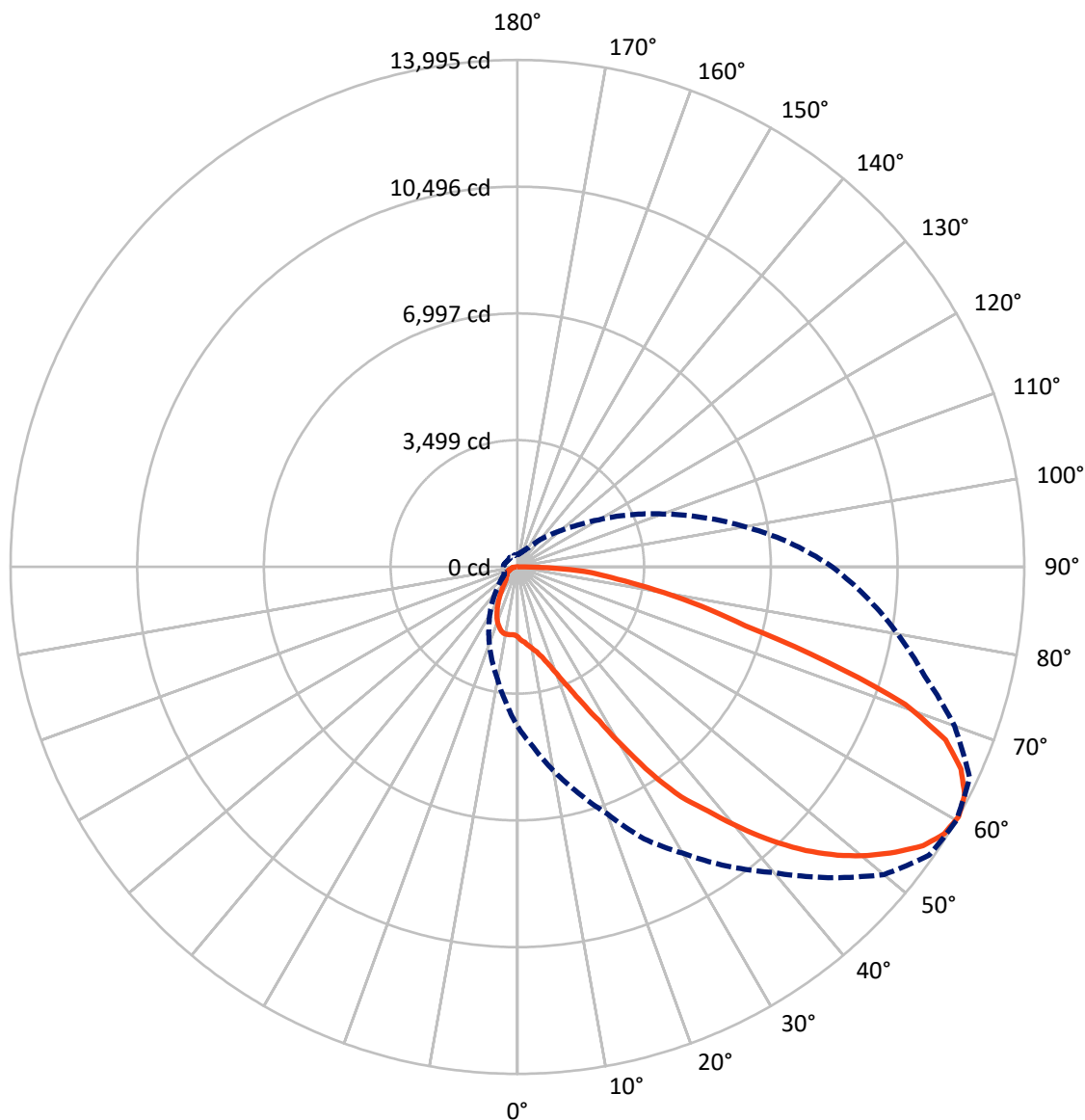


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - Non-Cutoff

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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	3496.6	0.0	3496.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	12032.3	0.0	12032.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	15528.9	0.0	15528.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	1.2
10°-20°	615.2	4.0
20°-30°	1167.4	7.5
30°-40°	1838.4	11.8
40°-50°	2565.9	16.5
50°-60°	3173.5	20.4
60°-70°	3289.5	21.2
70°-80°	2069.9	13.3
80°-90°	618.7	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°	15528.9	100.0
0°-180°	15528.9	100.0

Coefficient of Utilization



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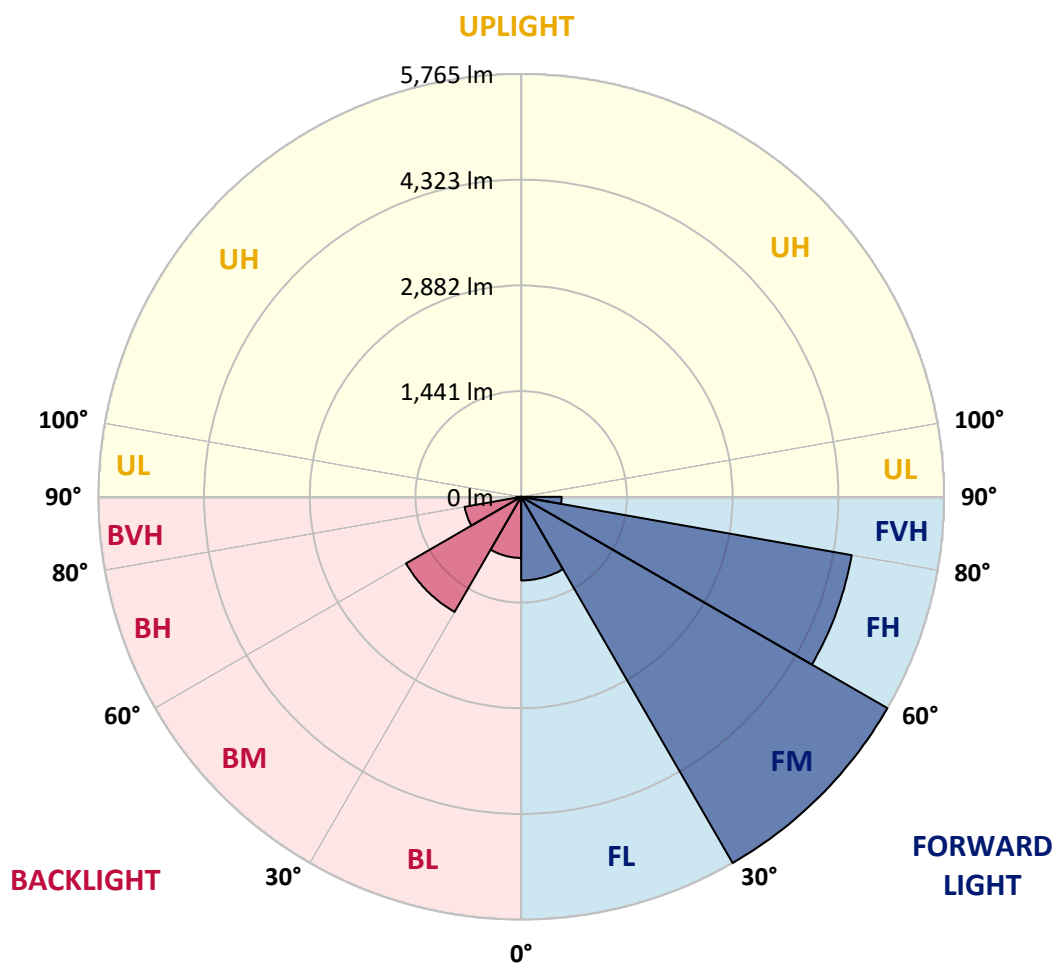
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1140.1	7.3			
FM	(30°-60°)	5764.6	37.1			
FH	(60°-80°)	4576.2	29.5			G2/5000
FVH	(80°-90°)	551.4	3.6			G4/750
BL	(0°-30°)	833.0	5.4	B2/1000		
BM	(30°-60°)	1813.2	11.7	B2/2500		
BH	(60°-80°)	783.1	5.0	B2/1000		G2/1000
BVH	(80°-90°)	67.3	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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	2045.7	2043.3	2043.3	2043.3	2042.2	2039.9	2043.3	2042.2	2036.4	2032.9	2036.4
5°	2072.2	2073.4	2076.9	2078.0	2078.0	2081.5	2090.7	2091.9	2090.7	2093.0	2098.8
7.5°	2097.7	2103.4	2106.9	2112.7	2119.6	2125.4	2141.6	2157.8	2168.2	2176.2	2178.6
10°	2139.3	2148.5	2158.9	2173.9	2190.1	2219.0	2232.9	2249.1	2259.5	2275.6	2279.1
12.5°	2245.6	2257.2	2264.1	2287.2	2308.0	2335.7	2355.4	2360.0	2384.3	2398.1	2414.3
15°	2424.7	2442.1	2466.3	2480.2	2503.3	2527.6	2544.9	2568.0	2571.5	2590.0	2602.7
17.5°	2644.3	2668.6	2718.3	2751.8	2781.9	2806.1	2840.8	2867.4	2873.2	2894.0	2867.4
20°	2951.7	3010.7	3018.8	3085.8	3112.4	3160.9	3230.3	3243.0	3276.5	3243.0	3223.3
22.5°	3367.8	3460.3	3485.7	3550.4	3582.8	3656.7	3677.5	3745.7	3768.9	3743.4	3690.3
25°	3846.3	3989.6	4063.6	4163.0	4179.1	4330.5	4346.7	4426.5	4383.7	4322.4	4323.6
27.5°	4198.8	4442.6	4633.3	4803.2	4922.3	5093.3	5226.2	5263.2	5222.8	5143.0	5115.3
30°	4399.9	4676.1	4950.0	5184.6	5462.0	5723.2	5994.8	6130.0	6153.1	6194.7	6027.2
32.5°	4529.3	4884.1	5210.1	5500.1	5784.5	6120.8	6484.8	6832.7	7125.1	7345.9	7241.8
35°	4638.0	5076.0	5493.2	5844.6	6180.9	6547.2	6914.8	7325.0	7809.3	8092.5	8151.4
37.5°	4681.9	5217.0	5727.8	6178.6	6651.3	7063.9	7429.1	7794.3	8302.8	8807.9	8963.9
40°	4673.8	5286.3	5867.7	6434.0	7013.0	7528.5	7956.1	8388.3	8983.5	9574.1	9828.4
42.5°	4619.5	5296.7	5956.7	6603.9	7263.8	7949.1	8495.8	8993.9	9564.9	10321.9	10681.3
45°	4551.3	5260.9	5975.1	6690.5	7449.9	8242.7	8933.8	9549.8	10219.0	10966.8	11401.3
47.5°	4458.8	5204.3	5952.0	6720.6	7533.1	8431.1	9243.6	9984.4	10720.6	11581.6	12132.9
50°	4358.3	5123.4	5904.6	6698.6	7553.9	8533.9	9420.4	10264.1	11123.9	12053.2	12750.1
52.5°	4287.8	5036.7	5861.9	6653.6	7533.1	8565.2	9485.1	10414.3	11371.3	12331.7	13163.8
55°	4201.1	4921.1	5747.5	6548.4	7456.8	8547.8	9478.2	10466.3	11439.5	12439.2	13389.2
57.5°	4206.9	4868.0	5650.4	6422.4	7300.8	8387.2	9347.6	10414.3	11332.0	12369.8	13397.3
60°	4389.5	4982.4	5701.2	6447.8	7254.5	8285.5	9125.7	10079.2	11016.5	12130.6	13210.0
62.5°	4766.3	5309.4	5962.4	6702.1	7514.6	8488.9	9025.1	9522.1	10354.2	11690.3	12891.1
65°	5215.8	5705.9	6272.2	6976.0	7886.7	8819.4	8968.5	9069.1	9489.7	10833.9	12292.4
67.5°	5665.4	6103.4	6548.4	7132.0	8098.2	8914.2	8737.4	8498.1	8724.6	9838.8	11115.9
70°	5827.2	6408.5	6701.0	7102.0	7937.6	8693.4	8364.1	7761.9	7840.5	8852.9	9786.8
72.5°	5584.5	6413.2	6510.3	6659.3	7222.2	7933.0	7585.1	6810.7	6794.6	7567.8	8322.4
75°	4684.2	5850.3	5849.2	5793.7	5920.8	6325.3	6145.0	5678.1	5875.8	6484.8	6733.3
77.5°	3338.9	4565.2	4622.9	4249.6	4240.4	4423.0	4531.6	5074.8	5791.4	6133.5	6054.9
80°	2097.7	3080.0	3328.5	2867.4	2769.1	3028.0	3699.5	4490.0	5371.9	5679.3	5414.6
82.5°	1263.2	1984.4	2513.7	2252.5	2229.4	2701.0	3442.9	3750.4	4015.0	4342.1	3899.4
85°	857.6	1322.2	1719.7	1771.7	1974.0	2461.7	2784.2	2647.8	2654.7	2569.2	2340.4
87.5°	164.1	360.6	589.4	718.9	797.5	1071.4	1165.0	1055.2	1114.1	814.8	891.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VST-F07-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	2030.6	2030.6	2030.6	2024.8	2026.0	2017.9	2014.4	2014.4	2011.0	2011.0	2009.8
5°	2094.2	2087.3	2090.7	2089.6	2089.6	2078.0	2072.2	2072.2	2057.2	2058.4	2053.7
7.5°	2189.0	2187.8	2191.3	2184.3	2175.1	2165.8	2156.6	2152.0	2131.2	2118.5	2110.4
10°	2296.4	2295.3	2298.8	2297.6	2281.4	2264.1	2238.7	2220.2	2194.7	2175.1	2155.4
12.5°	2414.3	2413.2	2410.9	2400.5	2383.1	2355.4	2323.0	2291.8	2253.7	2228.3	2199.4
15°	2598.1	2594.6	2580.8	2565.7	2547.2	2504.5	2447.8	2402.8	2351.9	2308.0	2260.6
17.5°	2869.7	2840.8	2838.5	2805.0	2755.3	2698.6	2645.5	2570.4	2497.5	2431.7	2366.9
20°	3244.1	3177.1	3158.6	3120.5	3054.6	2995.7	2880.1	2779.5	2680.1	2590.0	2507.9
22.5°	3652.1	3603.6	3558.5	3496.1	3406.0	3320.4	3173.6	3047.7	2920.5	2805.0	2713.7
25°	4221.9	4137.5	4056.6	3957.2	3832.4	3730.7	3563.1	3436.0	3269.6	3164.4	3032.6
27.5°	4958.1	4813.6	4677.3	4591.7	4372.1	4224.2	4010.4	3846.3	3645.2	3503.0	3347.0
30°	5916.2	5748.6	5546.4	5250.5	4989.3	4695.8	4431.1	4220.7	4006.9	3808.1	3627.9
32.5°	7104.3	6808.4	6488.3	6019.1	5590.3	5171.9	4819.4	4560.5	4342.1	4094.8	3840.5
35°	8108.6	7803.5	7349.3	6753.0	6223.6	5745.2	5323.3	4969.7	4684.2	4371.0	4034.7
37.5°	8901.5	8553.6	8127.1	7493.8	6934.4	6390.1	5947.4	5496.7	5122.2	4691.1	4265.8
40°	9809.9	9460.8	8991.6	8335.2	7672.9	7082.3	6563.4	6097.7	5637.7	5111.8	4565.2
42.5°	10601.6	10349.6	9874.6	9196.2	8462.3	7804.7	7237.2	6704.4	6103.4	5515.2	4868.0
45°	11426.8	11170.2	10719.4	10009.8	9229.7	8497.0	7818.5	7245.3	6535.7	5835.3	5094.5
47.5°	12156.0	11892.5	11437.2	10732.2	9903.5	9131.5	8384.9	7691.4	6867.4	6063.0	5242.4
50°	12851.8	12529.3	12112.1	11409.4	10524.1	9698.9	8888.8	7998.8	7125.1	6222.5	5343.0
52.5°	13490.9	13080.6	12685.3	11961.9	11004.9	10142.7	9238.9	8260.0	7283.4	6348.5	5411.2
55°	13853.8	13589.1	13116.4	12405.7	11347.0	10447.8	9460.8	8443.8	7440.6	6437.4	5440.0
57.5°	13965.9	13901.2	13504.8	12662.2	11548.1	10615.4	9611.1	8589.4	7545.8	6462.9	5399.6
60°	13876.9	13994.8	13777.5	12842.5	11639.4	10665.1	9685.1	8693.4	7564.3	6382.0	5277.1
62.5°	13591.4	13859.6	13831.8	12902.6	11592.0	10602.7	9677.0	8640.3	7390.9	6130.0	5002.0
65°	13122.2	13459.7	13578.7	12679.6	11325.0	10375.0	9471.2	8306.3	6909.0	5637.7	4540.9
67.5°	12239.2	12750.1	12865.6	11949.1	10627.0	9745.2	8878.4	7612.8	6016.8	4876.0	3820.9
70°	10469.8	11363.2	11519.2	10557.6	9396.1	8621.8	7886.7	6513.7	5010.1	3911.0	2932.1
72.5°	8358.3	8920.0	9238.9	8576.7	7712.2	7150.5	6593.5	4997.4	3780.4	2885.9	2017.9
75°	6534.5	6501.0	6786.5	6346.1	5837.6	5575.3	5156.9	3486.9	2532.2	1911.6	1277.1
77.5°	5586.8	5156.9	4832.1	4522.4	4220.7	4137.5	3736.5	2163.5	1564.9	1145.3	763.9
80°	4643.7	3859.0	3266.1	2830.4	2722.9	2887.0	2445.5	1275.9	926.9	657.6	479.6
82.5°	3318.1	2776.1	2259.5	1983.2	1799.5	2060.7	1442.4	708.5	502.7	394.1	317.8
85°	2150.8	2056.1	2034.1	1943.9	1720.9	1625.0	1095.6	610.2	376.8	245.0	197.6
87.5°	827.5	1061.0	1223.9	1311.8	1418.1	1263.2	570.9	210.3	206.9	127.1	95.9
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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	2001.7	1997.1	1996.0	1992.5	1990.2	1990.2	1984.4	1879.2	1878.1	1878.1	1876.9
5°	2044.5	2038.7	2032.9	2031.8	2027.2	2027.2	2021.4	1916.2	1916.2	1916.2	1913.9
7.5°	2102.3	2090.7	2083.8	2080.3	2073.4	2076.9	2081.5	1975.2	1976.3	1975.2	1977.5
10°	2143.9	2137.0	2128.9	2126.6	2121.9	2125.4	2132.3	2027.2	2030.6	2031.8	2034.1
12.5°	2184.3	2172.8	2162.4	2158.9	2156.6	2165.8	2173.9	2072.2	2075.7	2079.2	2079.2
15°	2234.0	2214.4	2200.5	2192.4	2187.8	2197.1	2208.6	2108.1	2109.2	2112.7	2111.5
17.5°	2318.4	2289.5	2257.2	2251.4	2236.3	2239.8	2242.1	2130.0	2125.4	2117.3	2103.4
20°	2449.0	2405.1	2361.2	2342.7	2312.6	2299.9	2274.5	2131.2	2102.3	2078.0	2057.2
22.5°	2636.2	2571.5	2524.1	2492.9	2431.7	2388.9	2319.6	2125.4	2071.1	2029.5	1997.1
25°	2939.0	2861.6	2788.8	2710.2	2614.3	2528.7	2427.0	2176.2	2091.9	2020.2	1957.8
27.5°	3233.7	3111.2	2999.1	2881.2	2746.0	2617.7	2474.4	2192.4	2096.5	2004.0	1902.3
30°	3454.5	3276.5	3106.6	2934.4	2757.6	2591.2	2429.4	2137.0	2022.5	1918.5	1811.0
32.5°	3588.6	3357.4	3136.7	2922.9	2714.8	2527.6	2346.1	2041.0	1915.1	1792.5	1678.1
35°	3715.7	3429.1	3155.2	2903.2	2665.1	2457.1	2261.8	1928.9	1778.7	1648.1	1503.6
37.5°	3872.9	3504.2	3166.7	2867.4	2592.3	2354.2	2139.3	1787.9	1637.7	1477.0	1340.7
40°	4061.3	3581.6	3155.2	2795.7	2479.1	2219.0	1991.3	1640.0	1472.4	1316.4	1182.3
42.5°	4240.4	3649.8	3125.1	2699.8	2355.4	2078.0	1856.1	1508.2	1340.7	1181.2	1048.3
45°	4373.3	3707.6	3110.1	2632.8	2260.6	1982.1	1737.1	1401.9	1225.1	1064.4	929.2
47.5°	4465.8	3742.3	3103.1	2595.8	2194.7	1882.7	1628.4	1295.6	1109.5	947.7	815.9
50°	4514.3	3741.1	3085.8	2555.3	2097.7	1763.7	1516.3	1188.1	1003.2	844.8	724.6
52.5°	4527.0	3720.3	3048.8	2481.4	1979.8	1644.6	1396.1	1076.0	909.6	758.2	636.8
55°	4498.1	3669.5	2971.4	2357.7	1853.8	1518.6	1286.3	988.2	818.3	674.9	580.2
57.5°	4416.1	3579.3	2825.8	2187.8	1720.9	1401.9	1160.4	881.8	718.9	598.7	520.1
60°	4263.5	3388.6	2598.1	1986.7	1552.2	1223.9	987.0	743.1	613.7	523.5	460.0
62.5°	3981.5	3089.3	2278.0	1709.3	1309.4	992.8	788.2	592.9	495.8	436.9	397.6
65°	3527.3	2638.5	1907.0	1346.4	995.1	722.3	586.0	446.1	375.6	339.8	328.2
67.5°	2878.9	2037.6	1386.9	935.0	673.8	506.2	408.0	325.9	292.4	278.5	273.9
70°	2093.0	1388.0	898.0	590.6	445.0	353.7	308.6	262.4	243.9	240.4	240.4
72.5°	1314.1	843.7	550.1	404.5	337.5	286.6	263.5	231.1	224.2	221.9	218.4
75°	770.9	512.0	389.5	331.7	288.9	256.6	236.9	210.3	205.7	204.6	201.1
77.5°	491.2	368.7	314.4	283.2	261.2	232.3	215.0	187.2	186.1	184.9	183.8
80°	352.5	306.3	275.1	250.8	228.8	202.3	191.9	169.9	167.6	166.4	168.7
82.5°	267.0	253.1	240.4	221.9	191.9	172.2	164.1	149.1	150.2	144.5	143.3
85°	183.8	181.5	180.3	172.2	150.2	132.9	127.1	119.0	124.8	119.0	112.1
87.5°	90.1	89.0	82.1	97.1	90.1	71.7	64.7	71.7	79.7	77.4	71.7
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: P158915

CATALOG NUMBER: VST-F07-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	1872.3	1867.7	1871.1	1868.8	1868.8	1867.7	1870.0	1866.5	1864.2	1866.5	1867.7
5°	1909.3	1903.5	1904.7	1896.6	1900.0	1891.9	1894.2	1888.5	1882.7	1880.4	1880.4
7.5°	1971.7	1965.9	1959.0	1957.8	1945.1	1940.5	1932.4	1927.8	1924.3	1916.2	1911.6
10°	2028.3	2019.1	2011.0	2009.8	1997.1	1985.6	1975.2	1965.9	1960.1	1948.6	1942.8
12.5°	2074.5	2065.3	2052.6	2045.7	2032.9	2019.1	2012.1	1998.3	1990.2	1977.5	1967.1
15°	2101.1	2084.9	2066.5	2053.7	2035.2	2020.2	2009.8	1999.4	1991.3	1975.2	1960.1
17.5°	2088.4	2061.8	2036.4	2013.3	1987.9	1974.0	1959.0	1946.3	1943.9	1925.5	1902.3
20°	2035.2	2004.0	1970.5	1939.3	1905.8	1886.2	1867.7	1848.0	1842.2	1820.3	1790.2
22.5°	1970.5	1934.7	1896.6	1858.4	1815.7	1787.9	1760.2	1735.9	1716.3	1683.9	1641.1
25°	1904.7	1851.5	1796.0	1747.5	1697.8	1663.1	1634.2	1607.6	1584.5	1532.5	1488.6
27.5°	1818.0	1734.8	1678.1	1622.7	1562.6	1517.5	1485.1	1448.1	1422.7	1362.6	1316.4
30°	1707.0	1623.8	1542.9	1487.4	1427.3	1378.8	1337.2	1284.0	1247.0	1203.1	1160.4
32.5°	1567.2	1484.0	1401.9	1339.5	1289.8	1229.7	1177.7	1126.8	1084.1	1041.3	1007.8
35°	1397.3	1316.4	1238.9	1176.5	1121.1	1073.7	1024.0	980.1	931.5	885.3	865.6
37.5°	1218.1	1131.5	1045.9	991.6	947.7	914.2	868.0	832.1	788.2	760.5	737.4
40°	1062.1	969.7	888.8	842.5	807.9	769.7	731.6	703.8	672.6	644.9	627.6
42.5°	930.4	843.7	774.3	735.0	693.4	651.8	622.9	599.8	580.2	559.4	538.6
45°	809.0	725.8	668.0	619.5	584.8	551.3	531.6	521.2	509.7	497.0	483.1
47.5°	707.3	635.7	579.0	533.9	498.1	475.0	465.8	462.3	457.7	447.3	440.3
50°	629.9	570.9	513.1	472.7	442.6	431.1	420.7	417.2	411.4	408.0	403.4
52.5°	565.2	502.7	454.2	417.2	398.7	394.1	389.5	384.9	383.7	381.4	379.1
55°	512.0	457.7	412.6	384.9	375.6	372.1	371.0	366.4	365.2	365.2	361.7
57.5°	464.6	418.4	377.9	360.6	354.8	351.3	349.0	346.7	346.7	349.0	347.9
60°	416.1	376.8	352.5	343.3	339.8	334.0	328.2	325.9	327.1	332.9	332.9
62.5°	368.7	339.8	324.8	321.3	317.8	313.2	306.3	304.0	306.3	313.2	316.7
65°	316.7	304.0	299.3	297.0	294.7	291.2	286.6	284.3	285.5	288.9	293.6
67.5°	269.3	268.1	268.1	269.3	268.1	267.0	264.7	261.2	260.0	260.0	262.4
70°	240.4	240.4	243.9	243.9	242.7	242.7	239.2	235.8	233.5	231.1	232.3
72.5°	218.4	218.4	219.6	220.7	219.6	219.6	215.0	212.7	206.9	205.7	203.4
75°	199.9	197.6	197.6	196.5	195.3	196.5	191.9	186.1	183.8	182.6	180.3
77.5°	181.5	176.8	174.5	172.2	173.4	172.2	168.7	165.3	161.8	160.6	159.5
80°	160.6	153.7	150.2	144.5	147.9	149.1	146.8	143.3	142.2	141.0	139.8
82.5°	132.9	126.0	121.4	117.9	115.6	117.9	121.4	129.4	127.1	126.0	123.7
85°	104.0	92.5	86.7	87.8	82.1	83.2	93.6	98.2	98.2	100.5	98.2
87.5°	58.9	56.6	42.8	39.3	41.6	49.7	55.5	61.3	61.3	57.8	64.7
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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CATALOG NUMBER: VST-F07-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	1867.7	1870.0	1871.1	1875.8	1878.1	1879.2	1880.4	1882.7	1883.8	1882.7	1888.5
5°	1876.9	1876.9	1874.6	1878.1	1879.2	1879.2	1876.9	1879.2	1879.2	1879.2	1885.0
7.5°	1901.2	1894.2	1890.8	1886.2	1882.7	1878.1	1872.3	1872.3	1871.1	1872.3	1875.8
10°	1926.6	1916.2	1903.5	1891.9	1881.5	1873.4	1863.0	1859.6	1858.4	1857.3	1866.5
12.5°	1946.3	1927.8	1908.1	1888.5	1867.7	1853.8	1836.5	1826.1	1824.9	1824.9	1836.5
15°	1932.4	1902.3	1864.2	1829.5	1811.0	1791.4	1771.7	1759.0	1757.9	1760.2	1767.1
17.5°	1863.0	1814.5	1781.0	1747.5	1723.2	1707.0	1694.3	1692.0	1696.6	1692.0	1701.2
20°	1745.2	1693.2	1670.0	1643.5	1634.2	1622.7	1604.2	1588.0	1588.0	1567.2	1573.0
22.5°	1592.6	1563.7	1533.7	1512.9	1505.9	1486.3	1466.6	1444.7	1442.4	1416.9	1413.5
25°	1433.1	1404.2	1379.9	1375.3	1354.5	1327.9	1309.4	1284.0	1278.2	1252.8	1249.3
27.5°	1270.2	1247.0	1222.8	1208.9	1197.3	1168.4	1152.3	1122.2	1110.7	1082.9	1079.5
30°	1115.3	1099.1	1070.2	1058.7	1036.7	1003.2	968.5	950.0	940.8	911.9	902.6
32.5°	969.7	944.2	922.3	908.4	880.7	842.5	811.3	784.7	767.4	732.7	723.5
35°	831.0	805.5	795.1	759.3	735.0	709.6	666.9	650.7	619.5	592.9	583.6
37.5°	708.5	684.2	670.3	640.3	616.0	590.6	565.2	544.4	529.3	523.5	523.5
40°	603.3	590.6	573.2	551.3	535.1	516.6	502.7	495.8	494.7	497.0	502.7
42.5°	528.2	514.3	502.7	491.2	479.6	477.3	473.9	478.5	484.3	490.0	495.8
45°	471.5	460.0	453.0	448.4	447.3	450.7	457.7	464.6	475.0	481.9	486.6
47.5°	431.1	421.8	419.5	418.4	424.2	434.6	443.8	454.2	462.3	469.2	473.9
50°	396.4	388.3	387.2	386.0	394.1	403.4	411.4	425.3	431.1	435.7	439.2
52.5°	372.1	365.2	361.7	362.9	371.0	379.1	390.6	401.0	409.1	412.6	416.1
55°	352.5	350.2	342.1	345.6	353.7	364.1	375.6	387.2	395.3	401.0	406.8
57.5°	337.5	331.7	325.9	331.7	339.8	350.2	364.1	374.5	384.9	392.9	398.7
60°	321.3	316.7	312.0	317.8	325.9	336.3	346.7	360.6	373.3	381.4	387.2
62.5°	307.4	304.0	299.3	300.5	304.0	310.9	316.7	329.4	340.9	351.3	358.3
65°	287.8	286.6	279.7	280.8	283.2	290.1	294.7	306.3	317.8	327.1	332.9
67.5°	258.9	256.6	256.6	260.0	261.2	264.7	268.1	279.7	288.9	295.9	302.8
70°	230.0	228.8	228.8	231.1	230.0	233.5	238.1	248.5	260.0	267.0	273.9
72.5°	202.3	202.3	201.1	203.4	203.4	204.6	210.3	219.6	230.0	235.8	240.4
75°	178.0	176.8	176.8	176.8	178.0	178.0	183.8	191.9	202.3	205.7	212.7
77.5°	156.0	156.0	156.0	156.0	157.2	156.0	159.5	165.3	168.7	174.5	174.5
80°	137.5	136.4	137.5	138.7	138.7	137.5	137.5	138.7	139.8	139.8	139.8
82.5°	121.4	117.9	120.2	126.0	126.0	126.0	124.8	116.7	111.0	111.0	113.3
85°	97.1	97.1	98.2	106.3	107.5	102.9	107.5	95.9	84.4	80.9	83.2
87.5°	60.1	47.4	57.8	65.9	65.9	62.4	69.3	64.7	54.3	43.9	41.6
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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	0°
2.5°	1893.1	1894.2	1901.2	1904.7	1904.7	1909.3	1911.6	1918.5	1917.4	1917.4	1919.7	2.5°
5°	1890.8	1894.2	1901.2	1905.8	1908.1	1913.9	1918.5	1926.6	1925.5	1927.8	1928.9	5°
7.5°	1882.7	1891.9	1898.9	1908.1	1916.2	1920.8	1926.6	1933.5	1931.2	1932.4	1931.2	7.5°
10°	1875.8	1885.0	1898.9	1911.6	1923.1	1930.1	1933.5	1941.6	1940.5	1942.8	1942.8	10°
12.5°	1848.0	1864.2	1881.5	1901.2	1918.5	1937.0	1948.6	1965.9	1974.0	1984.4	1996.0	12.5°
15°	1777.5	1796.0	1823.7	1845.7	1879.2	1904.7	1938.2	1971.7	2001.7	2030.6	2064.1	15°
17.5°	1708.2	1716.3	1738.2	1768.3	1798.3	1836.5	1876.9	1937.0	1991.3	2050.3	2115.0	17.5°
20°	1579.9	1593.8	1608.8	1644.6	1680.4	1734.8	1784.5	1863.0	1942.8	2035.2	2134.6	20°
22.5°	1421.6	1435.4	1451.6	1492.1	1536.0	1591.4	1651.5	1739.4	1845.7	1965.9	2098.8	22.5°
25°	1250.5	1258.6	1271.3	1311.8	1338.3	1411.2	1484.0	1575.3	1690.8	1845.7	2000.6	25°
27.5°	1062.1	1077.1	1087.5	1106.0	1167.3	1229.7	1306.0	1404.2	1544.1	1702.4	1889.6	27.5°
30°	881.8	894.5	888.8	928.1	968.5	1034.4	1116.4	1225.1	1359.1	1547.5	1763.7	30°
32.5°	705.0	714.2	710.8	738.5	779.0	844.8	922.3	1040.2	1182.3	1383.4	1618.0	32.5°
35°	581.3	583.6	596.4	609.1	643.7	696.9	762.8	865.6	1011.3	1196.2	1444.7	35°
37.5°	523.5	528.2	536.3	553.6	579.0	617.2	671.5	751.2	876.0	1039.0	1260.9	37.5°
40°	506.2	509.7	514.3	525.9	550.1	583.6	632.2	699.2	790.5	928.1	1108.3	40°
42.5°	498.1	498.1	498.1	505.1	523.5	559.4	614.9	680.7	760.5	864.5	1010.1	42.5°
45°	486.6	486.6	485.4	488.9	501.6	537.4	597.5	671.5	757.0	856.4	982.4	45°
47.5°	473.9	472.7	469.2	469.2	477.3	513.1	575.6	655.3	748.9	863.3	998.6	47.5°
50°	439.2	439.2	439.2	442.6	449.6	481.9	549.0	633.3	740.8	868.0	1024.0	50°
52.5°	419.5	420.7	424.2	424.2	431.1	464.6	535.1	628.7	745.4	885.3	1056.3	52.5°
55°	410.3	413.8	417.2	417.2	423.0	457.7	530.5	632.2	762.8	921.1	1111.8	55°
57.5°	402.2	405.7	408.0	408.0	412.6	442.6	517.8	626.4	773.2	955.8	1180.0	57.5°
60°	387.2	389.5	390.6	390.6	391.8	417.2	488.9	598.7	750.1	953.5	1217.0	60°
62.5°	359.4	364.1	365.2	366.4	366.4	390.6	451.9	553.6	700.4	918.8	1206.6	62.5°
65°	338.6	340.9	344.4	346.7	351.3	367.5	416.1	499.3	635.7	849.5	1148.8	65°
67.5°	306.3	309.7	313.2	317.8	322.5	332.9	371.0	438.0	547.8	731.6	1019.4	67.5°
70°	277.4	278.5	282.0	287.8	288.9	294.7	322.5	368.7	448.4	587.1	820.6	70°
72.5°	241.5	243.9	248.5	255.4	255.4	260.0	276.2	300.5	351.3	448.4	605.6	72.5°
75°	210.3	212.7	216.1	216.1	210.3	211.5	223.1	240.4	278.5	337.5	441.5	75°
77.5°	174.5	179.1	182.6	175.7	173.4	176.8	182.6	195.3	223.1	268.1	331.7	77.5°
80°	144.5	146.8	147.9	149.1	146.8	150.2	154.9	163.0	181.5	216.1	262.4	80°
82.5°	115.6	117.9	121.4	126.0	126.0	138.7	139.8	139.8	150.2	172.2	205.7	82.5°
85°	85.5	90.1	94.8	100.5	101.7	108.6	105.2	104.0	107.5	128.3	142.2	85°
87.5°	43.9	47.4	49.7	54.3	48.5	50.9	50.9	47.4	41.6	52.0	57.8	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°
1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
1922.0	1919.7	1922.0	1922.0	1925.5	1923.1	2045.7
1931.2	1928.9	1931.2	1933.5	1937.0	1937.0	2072.2
1932.4	1932.4	1930.1	1935.9	1940.5	1945.1	2097.7
1946.3	1946.3	1948.6	1949.7	1960.1	1971.7	2139.3
2002.9	2008.7	2019.1	2022.5	2041.0	2053.7	2245.6
2089.6	2121.9	2142.7	2149.7	2165.8	2190.1	2424.7
2177.4	2231.7	2288.4	2323.0	2343.8	2372.7	2644.3
2243.3	2345.0	2442.1	2528.7	2578.4	2635.1	2951.7
2249.1	2410.9	2575.0	2735.6	2868.5	2973.7	3367.8
2193.6	2406.2	2632.8	2878.9	3107.8	3297.3	3846.3
2123.1	2384.3	2673.2	2987.6	3288.1	3567.8	4198.8
2034.1	2347.3	2680.1	3033.8	3386.3	3722.6	4399.9
1898.9	2237.5	2596.9	2987.6	3396.7	3805.8	4529.3
1725.5	2071.1	2439.8	2884.7	3348.2	3839.4	4638.0
1548.7	1889.6	2286.0	2747.2	3270.7	3833.6	4681.9
1361.5	1700.1	2105.7	2600.4	3165.6	3780.4	4673.8
1234.3	1542.9	1940.5	2451.3	3048.8	3709.9	4619.5
1160.4	1430.8	1809.9	2314.9	2942.5	3625.5	4551.3
1159.2	1397.3	1740.5	2217.9	2835.0	3531.9	4458.8
1199.7	1418.1	1732.4	2176.2	2776.1	3463.7	4358.3
1247.0	1475.9	1775.2	2191.3	2774.9	3433.7	4287.8
1322.2	1574.1	1868.8	2256.0	2805.0	3429.1	4201.1
1418.1	1707.0	2037.6	2415.5	2921.7	3520.4	4206.9
1516.3	1863.0	2258.3	2688.2	3151.7	3733.0	4389.5
1552.2	1983.2	2482.5	3008.4	3496.1	4052.0	4766.3
1520.9	2011.0	2618.9	3256.9	3831.3	4425.3	5215.8
1405.4	1898.9	2563.4	3327.4	4024.3	4690.0	5665.4
1156.9	1620.3	2311.5	3169.0	4009.2	4744.3	5827.2
848.3	1256.3	1879.2	2692.9	3564.3	4404.5	5584.5
612.5	888.8	1356.8	2028.3	2817.7	3547.0	4684.2
439.2	616.0	880.7	1332.6	1919.7	2469.8	3338.9
315.5	418.4	549.0	799.8	1169.6	1516.3	2097.7
232.3	286.6	360.6	497.0	688.8	883.0	1263.2
158.3	168.7	217.3	293.6	451.9	649.5	857.6
60.1	68.2	79.7	120.2	202.3	232.3	164.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)