

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: P159147

Luminaire Tested: **VST-F08-LED-E-U-SLR-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159147
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-F08-LED-E-U-SLR-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (56) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18210.6 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

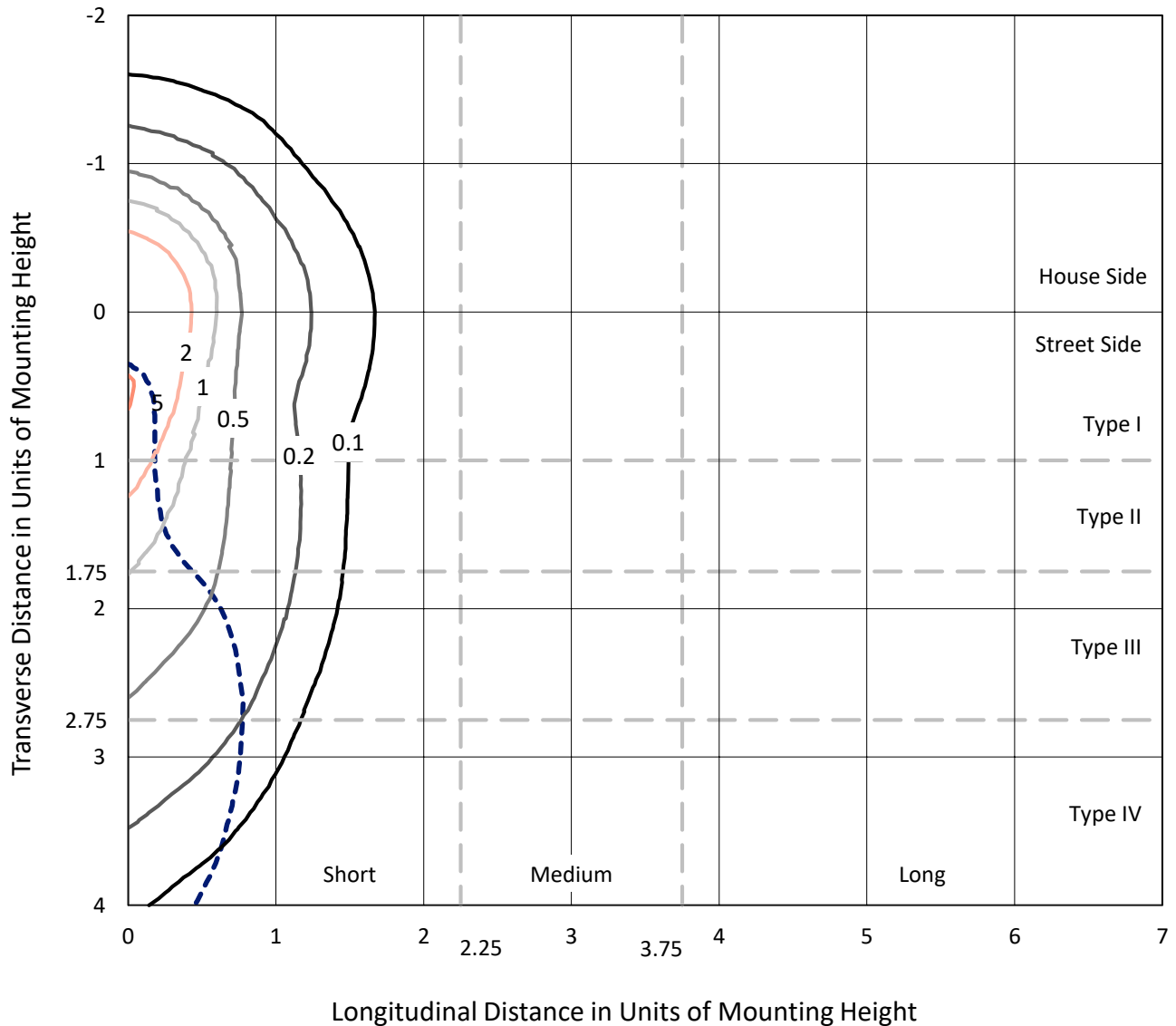
Input Watts (W): 204.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

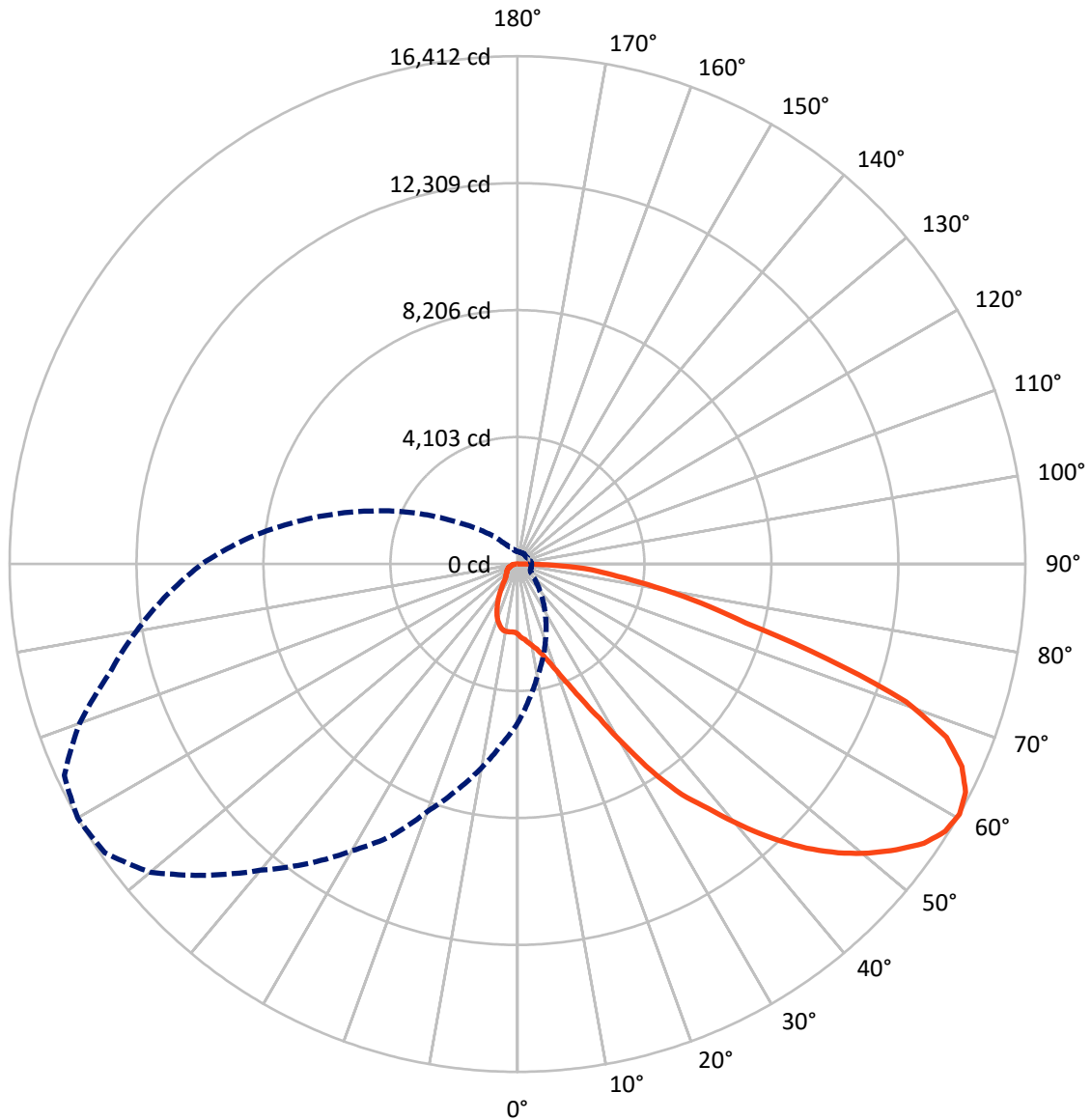
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4100.5	0.0	4100.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14110.2	0.0	14110.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	18210.6	0.0	18210.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.4	1.2
10°-20°	721.4	4.0
20°-30°	1369.0	7.5
30°-40°	2155.9	11.8
40°-50°	3009.1	16.5
50°-60°	3721.5	20.4
60°-70°	3857.5	21.2
70°-80°	2427.3	13.3
80°-90°	725.6	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°	18210.6	100.0
0°-180°	18210.6	100.0



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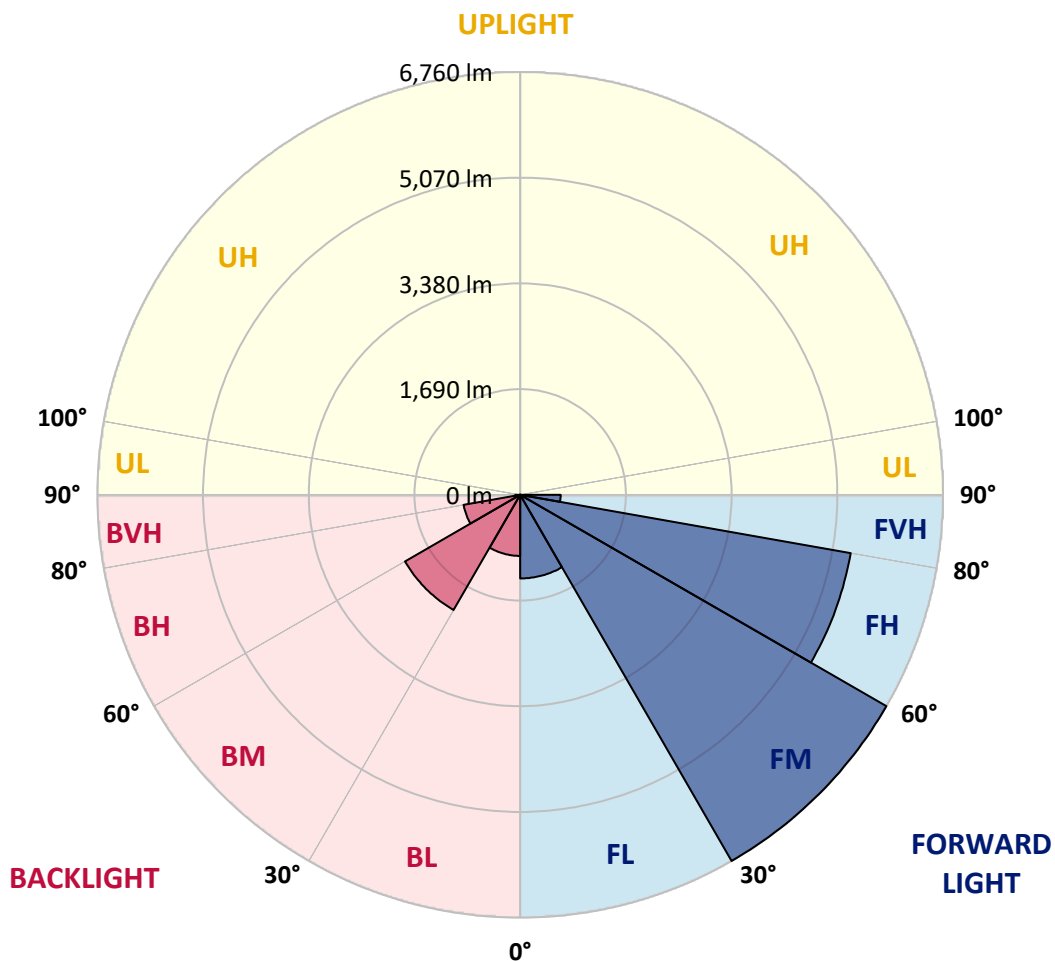
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1336.9	7.3			
FM	(30°-60°)	6760.1	37.1			
FH	(60°-80°)	5366.5	29.5			G3/7500
FVH	(80°-90°)	646.6	3.6			G4/750
BL	(0°-30°)	976.9	5.4	B2/1000		
BM	(30°-60°)	2126.3	11.7	B2/2500		
BH	(60°-80°)	918.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	78.9	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°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2398.9	2255.3	2258.0	2253.9	2253.9	2251.2	2253.9	2251.2	2248.5	2248.5	2249.8
5°	2430.1	2271.5	2271.5	2267.5	2264.7	2262.0	2264.7	2262.0	2260.7	2258.0	2259.3
7.5°	2459.9	2281.0	2275.6	2270.2	2263.4	2266.1	2266.1	2264.7	2266.1	2264.7	2267.5
10°	2508.7	2312.2	2298.6	2286.4	2285.1	2282.4	2282.4	2278.3	2278.3	2275.6	2276.9
12.5°	2633.4	2408.4	2393.5	2371.8	2367.7	2355.5	2348.8	2340.6	2327.1	2314.9	2305.4
15°	2843.5	2568.3	2539.9	2520.9	2512.8	2488.4	2450.4	2420.6	2381.3	2347.4	2312.2
17.5°	3101.0	2782.5	2748.6	2724.2	2683.5	2617.1	2553.4	2480.2	2404.3	2335.2	2271.5
20°	3461.5	3090.1	3023.7	2965.4	2863.8	2749.9	2630.7	2503.3	2386.7	2278.3	2184.8
22.5°	3949.4	3487.2	3363.9	3208.0	3019.7	2827.2	2637.5	2461.3	2305.4	2164.4	2039.8
25°	4510.5	3866.7	3644.5	3376.1	3087.4	2821.8	2572.4	2346.1	2164.4	1982.8	1847.3
27.5°	4923.9	4183.9	3855.9	3503.5	3134.9	2796.0	2489.7	2215.9	1996.4	1810.7	1646.7
30°	5159.7	4365.5	3971.1	3557.7	3143.0	2752.7	2385.4	2068.2	1814.8	1593.9	1436.6
32.5°	5311.5	4463.1	3983.3	3503.5	3045.4	2623.9	2226.8	1897.4	1622.3	1386.5	1219.8
35°	5438.9	4502.4	3926.4	3382.9	2861.1	2428.7	2023.5	1694.2	1402.8	1185.9	1015.1
37.5°	5490.4	4495.6	3835.6	3221.6	2680.8	2215.9	1816.1	1478.7	1218.4	1027.3	881.0
40°	5480.9	4433.3	3712.2	3049.5	2469.4	1993.7	1596.6	1299.8	1088.3	927.0	820.0
42.5°	5417.2	4350.6	3575.3	2874.6	2275.6	1809.4	1447.5	1184.6	1013.8	891.8	798.3
45°	5337.3	4251.6	3450.6	2714.7	2122.4	1677.9	1360.7	1152.0	1004.3	887.7	787.4
47.5°	5228.8	4141.9	3324.6	2600.9	2041.1	1638.6	1359.4	1171.0	1012.4	878.2	768.5
50°	5110.9	4061.9	3255.5	2552.1	2031.6	1663.0	1406.8	1200.8	1017.8	868.8	742.7
52.5°	5028.2	4026.7	3254.1	2569.7	2081.8	1730.7	1462.4	1238.8	1038.2	874.2	737.3
55°	4926.6	4021.2	3289.4	2645.6	2191.6	1845.9	1550.5	1303.8	1080.2	894.5	741.4
57.5°	4933.4	4128.3	3426.3	2832.6	2389.4	2001.8	1663.0	1383.8	1120.9	906.7	734.6
60°	5147.5	4377.7	3696.0	3152.5	2648.3	2184.8	1778.2	1427.2	1118.1	879.6	702.1
62.5°	5589.3	4751.8	4099.8	3527.9	2911.2	2325.7	1820.2	1415.0	1077.5	821.3	649.2
65°	6116.6	5189.5	4492.9	3819.3	3071.2	2358.3	1783.6	1347.2	996.2	745.4	585.5
67.5°	6643.8	5499.9	4719.2	3902.0	3006.1	2226.8	1648.1	1195.4	857.9	642.4	513.7
70°	6833.5	5563.6	4701.6	3716.3	2710.6	1900.2	1356.7	962.3	688.5	525.9	432.3
72.5°	6548.9	5165.1	4179.8	3157.9	2203.8	1473.2	994.8	710.2	525.9	412.0	352.4
75°	5493.1	4159.5	3304.3	2378.6	1591.1	1042.2	718.3	517.7	395.8	326.6	281.9
77.5°	3915.5	2896.3	2251.2	1562.7	1032.8	722.4	515.0	389.0	314.4	261.6	229.0
80°	2459.9	1778.2	1371.6	937.9	643.8	490.6	370.0	307.7	253.4	212.8	191.1
82.5°	1481.4	1035.5	807.8	582.8	422.9	336.1	272.4	241.2	201.9	176.2	164.0
85°	1005.6	761.7	529.9	344.3	254.8	197.9	185.7	166.7	150.4	126.0	122.0
87.5°	192.5	272.4	237.2	141.0	93.5	80.0	70.5	67.8	61.0	48.8	55.6
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2241.7	2239.0	2233.6	2233.6	2229.5	2221.4	2220.0	2214.6	2207.8	2209.2	2207.8
5°	2249.8	2244.4	2237.6	2234.9	2229.5	2221.4	2217.3	2210.5	2203.8	2203.8	2203.8
7.5°	2259.3	2252.5	2247.1	2237.6	2226.8	2218.7	2207.8	2199.7	2195.6	2194.3	2195.6
10°	2267.5	2263.4	2255.3	2241.7	2226.8	2210.5	2199.7	2188.8	2178.0	2179.4	2180.7
12.5°	2285.1	2271.5	2249.8	2229.5	2206.5	2186.1	2167.2	2153.6	2140.1	2140.1	2141.4
15°	2272.9	2233.6	2203.8	2164.4	2138.7	2106.2	2084.5	2072.3	2064.2	2061.4	2062.8
17.5°	2201.0	2153.6	2108.9	2073.6	2038.4	2012.7	2003.2	1995.0	1984.2	1989.6	1984.2
20°	2092.6	2034.3	1970.6	1928.6	1886.6	1869.0	1852.7	1844.6	1837.8	1862.2	1862.2
22.5°	1936.8	1866.3	1801.2	1749.7	1702.3	1683.3	1667.0	1657.6	1661.6	1691.4	1694.2
25°	1740.2	1654.8	1569.5	1538.3	1490.9	1475.9	1466.5	1465.1	1469.2	1499.0	1505.8
27.5°	1531.5	1442.1	1368.9	1297.0	1275.4	1263.2	1245.5	1265.9	1269.9	1302.5	1316.0
30°	1309.2	1213.0	1135.8	1088.3	1042.2	1049.0	1034.1	1058.5	1069.3	1103.2	1114.1
32.5°	1081.5	990.7	913.5	866.1	833.5	837.6	826.7	848.4	859.3	899.9	920.3
35°	894.5	817.3	754.9	714.3	699.3	684.4	681.7	684.4	695.3	726.5	763.0
37.5°	787.4	723.7	679.0	649.2	628.9	619.4	614.0	614.0	614.0	620.7	638.4
40°	741.4	684.4	645.1	616.7	603.1	597.7	593.6	589.6	582.8	580.1	581.4
42.5°	721.0	656.0	614.0	592.3	584.1	584.1	584.1	581.4	574.7	567.9	561.1
45°	700.7	630.2	588.2	573.3	569.2	570.6	570.6	570.6	565.2	557.0	544.8
47.5°	674.9	601.8	559.7	550.3	550.3	554.3	555.7	555.7	550.3	542.1	532.6
50°	643.8	565.2	527.2	519.1	515.0	515.0	515.0	515.0	511.0	505.5	498.8
52.5°	627.5	544.8	505.5	497.4	497.4	493.3	492.0	487.9	483.8	479.8	470.3
55°	622.1	536.7	496.0	489.3	489.3	485.2	481.1	477.1	470.3	463.5	454.0
57.5°	607.2	519.1	483.8	478.4	478.4	475.7	471.7	467.6	460.8	451.3	439.1
60°	573.3	489.3	459.5	458.1	458.1	456.7	454.0	454.0	447.3	437.8	422.9
62.5°	529.9	458.1	429.6	429.6	428.3	426.9	421.5	420.1	412.0	399.8	386.3
65°	487.9	431.0	412.0	406.6	403.9	399.8	397.1	390.3	383.6	372.7	359.2
67.5°	435.1	390.3	378.1	372.7	367.3	363.2	359.2	355.1	347.0	338.8	328.0
70°	378.1	345.6	338.8	337.5	330.7	326.6	325.3	321.2	313.1	304.9	291.4
72.5°	323.9	304.9	299.5	299.5	291.4	286.0	283.3	281.9	276.5	269.7	257.5
75°	261.6	248.0	246.7	253.4	253.4	249.4	246.7	249.4	241.2	237.2	225.0
77.5°	214.1	207.4	203.3	206.0	214.1	210.1	204.7	204.7	204.7	197.9	193.8
80°	181.6	176.2	172.1	174.8	173.5	172.1	169.4	164.0	164.0	164.0	162.6
82.5°	164.0	162.6	147.7	147.7	142.3	138.2	135.5	132.8	130.1	130.1	136.9
85°	123.3	127.4	119.3	117.9	111.1	105.7	100.3	97.6	94.9	98.9	112.5
87.5°	59.6	59.6	56.9	63.7	58.3	55.6	51.5	48.8	51.5	63.7	75.9
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°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2205.1	2203.8	2202.4	2199.7	2194.3	2192.9	2190.2	2190.2	2188.8	2186.1	2188.8
5°	2201.0	2203.8	2203.8	2202.4	2198.3	2201.0	2201.0	2205.1	2205.1	2207.8	2214.6
7.5°	2195.6	2202.4	2207.8	2211.9	2217.3	2221.4	2229.5	2241.7	2247.1	2256.6	2260.7
10°	2184.8	2197.0	2206.5	2218.7	2232.2	2247.1	2259.3	2278.3	2285.1	2298.6	2305.4
12.5°	2153.6	2173.9	2190.2	2214.6	2237.6	2260.7	2282.4	2306.8	2319.0	2333.9	2343.3
15°	2077.7	2100.7	2123.8	2145.5	2186.1	2230.9	2266.1	2298.6	2316.2	2335.2	2344.7
17.5°	1986.9	2001.8	2020.8	2049.2	2088.5	2127.9	2184.8	2230.9	2258.0	2279.6	2282.4
20°	1881.2	1902.9	1916.4	1927.3	1958.4	1985.5	2046.5	2099.4	2134.6	2160.4	2167.2
22.5°	1719.9	1742.9	1766.0	1774.1	1798.5	1833.7	1867.6	1924.6	1974.7	2012.7	2035.7
25°	1535.6	1557.3	1588.4	1612.8	1618.3	1646.7	1680.6	1745.7	1797.2	1858.1	1885.3
27.5°	1351.3	1370.2	1404.1	1417.7	1433.9	1462.4	1489.5	1543.7	1597.9	1668.4	1698.2
30°	1135.8	1176.4	1215.7	1241.5	1255.0	1288.9	1307.9	1360.7	1410.9	1462.4	1505.8
32.5°	951.4	988.0	1032.8	1065.3	1081.5	1107.3	1137.1	1181.8	1221.1	1271.3	1321.4
35°	782.0	832.2	862.0	890.4	932.5	944.7	974.5	1015.1	1038.2	1092.4	1149.3
37.5°	662.8	692.6	722.4	750.8	786.1	802.4	830.8	864.7	891.8	924.3	975.8
40°	589.6	605.8	627.5	646.5	672.2	692.6	707.5	735.9	756.3	788.8	825.4
42.5°	555.7	559.7	562.5	576.0	589.6	603.1	619.4	631.6	656.0	680.4	703.4
45°	536.7	528.6	524.5	525.9	531.3	539.4	553.0	566.5	582.8	597.7	611.2
47.5°	520.4	509.6	497.4	490.6	492.0	494.7	505.5	516.4	524.5	536.7	542.1
50°	482.5	473.0	462.2	452.7	454.0	455.4	464.9	473.0	478.4	482.5	489.3
52.5°	458.1	444.5	435.1	425.6	424.2	428.3	436.4	444.5	447.3	450.0	451.3
55°	440.5	426.9	414.7	405.2	401.2	410.7	413.4	424.2	428.3	428.3	429.6
57.5°	426.9	410.7	398.5	389.0	382.2	389.0	395.8	408.0	409.3	406.6	406.6
60°	406.6	394.4	382.2	372.7	365.9	371.4	376.8	390.3	390.3	383.6	382.2
62.5°	371.4	364.6	356.4	352.4	351.0	356.4	360.5	371.4	367.3	359.2	356.4
65°	345.6	340.2	332.1	329.3	328.0	336.1	337.5	344.3	338.8	334.8	333.4
67.5°	314.4	310.4	306.3	304.9	300.9	300.9	303.6	307.7	304.9	304.9	306.3
70°	279.2	273.8	269.7	271.1	268.4	268.4	269.7	272.4	271.1	273.8	276.5
72.5°	246.7	239.9	238.5	238.5	235.8	237.2	237.2	238.5	241.2	242.6	249.4
75°	215.5	208.7	208.7	207.4	207.4	207.4	208.7	211.4	214.1	215.5	218.2
77.5°	187.0	183.0	184.3	183.0	183.0	183.0	183.0	187.0	188.4	189.7	193.8
80°	161.3	161.3	162.6	162.6	161.3	159.9	161.3	164.0	165.3	166.7	168.1
82.5°	146.4	147.7	147.7	147.7	141.0	138.2	142.3	145.0	147.7	149.1	151.8
85°	126.0	120.6	126.0	124.7	115.2	113.8	113.8	115.2	117.9	115.2	115.2
87.5°	81.3	73.2	77.3	77.3	67.8	55.6	70.5	75.9	67.8	71.8	71.8
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2192.9	2190.2	2191.6	2191.6	2194.3	2190.2	2195.6	2201.0	2202.4	2202.4	2203.8
5°	2221.4	2218.7	2228.1	2224.1	2233.6	2232.2	2239.0	2244.4	2247.1	2247.1	2247.1
7.5°	2266.1	2275.6	2281.0	2295.9	2297.3	2305.4	2312.2	2319.0	2316.2	2317.6	2316.2
10°	2316.2	2328.4	2342.0	2356.9	2358.3	2367.7	2378.6	2385.4	2382.7	2381.3	2377.2
12.5°	2359.6	2367.7	2384.0	2398.9	2407.1	2422.0	2432.8	2438.2	2438.2	2434.2	2430.1
15°	2356.9	2369.1	2386.7	2408.4	2423.3	2445.0	2464.0	2476.2	2477.5	2473.5	2472.1
17.5°	2297.3	2314.9	2331.2	2361.0	2388.1	2417.9	2449.1	2466.7	2482.9	2492.4	2497.9
20°	2190.2	2211.9	2234.9	2274.2	2310.8	2350.1	2386.7	2412.5	2436.9	2465.3	2499.2
22.5°	2064.2	2096.7	2129.2	2179.4	2224.1	2268.8	2310.8	2342.0	2379.9	2428.7	2492.4
25°	1916.4	1950.3	1991.0	2049.2	2106.2	2171.2	2233.6	2295.9	2369.1	2453.1	2552.1
27.5°	1741.6	1779.5	1832.4	1902.9	1967.9	2034.3	2131.9	2230.9	2350.1	2458.6	2571.0
30°	1568.1	1616.9	1673.8	1744.3	1809.4	1904.2	2001.8	2123.8	2249.8	2371.8	2506.0
32.5°	1381.1	1442.1	1512.5	1570.8	1644.0	1740.2	1837.8	1967.9	2102.1	2245.8	2393.5
35°	1200.8	1259.1	1314.7	1379.7	1452.9	1543.7	1638.6	1763.3	1932.7	2085.8	2262.0
37.5°	1017.8	1072.1	1111.4	1162.9	1226.6	1326.9	1428.5	1572.2	1732.1	1920.5	2096.7
40°	857.9	902.6	947.4	988.0	1042.2	1137.1	1245.5	1386.5	1543.7	1726.7	1923.2
42.5°	730.5	764.4	813.2	862.0	908.1	989.4	1091.0	1229.3	1385.1	1572.2	1768.7
45°	623.4	646.5	685.8	726.5	783.4	851.1	948.7	1089.7	1248.3	1436.6	1644.0
47.5°	546.2	557.0	584.1	626.2	679.0	745.4	829.5	956.9	1111.4	1301.1	1519.3
50°	493.3	505.5	519.1	554.3	601.8	669.5	738.6	849.8	990.7	1176.4	1393.3
52.5°	456.7	462.2	467.6	489.3	532.6	589.6	662.8	746.8	889.1	1066.6	1261.8
55°	435.1	436.4	440.5	451.3	483.8	536.7	600.4	680.4	791.5	959.6	1158.8
57.5°	409.3	412.0	416.1	422.9	443.2	490.6	544.8	609.9	702.1	843.0	1034.1
60°	384.9	391.7	398.5	402.5	413.4	441.8	487.9	539.4	614.0	719.7	871.5
62.5°	359.2	367.3	372.7	376.8	380.8	398.5	432.3	466.2	512.3	581.4	695.3
65°	336.1	341.5	345.6	348.3	351.0	356.4	371.4	384.9	398.5	440.5	523.2
67.5°	310.4	313.1	314.4	315.8	314.4	314.4	315.8	321.2	326.6	342.9	382.2
70°	280.6	284.6	284.6	286.0	286.0	281.9	281.9	281.9	281.9	286.0	307.7
72.5°	252.1	257.5	257.5	258.9	257.5	256.2	256.2	256.2	260.2	262.9	271.1
75°	225.0	230.4	229.0	230.4	231.8	231.8	234.5	235.8	239.9	241.2	246.7
77.5°	197.9	201.9	203.3	201.9	204.7	207.4	212.8	215.5	216.9	218.2	219.6
80°	172.1	174.8	173.5	169.4	176.2	180.3	188.4	197.9	195.2	196.5	199.2
82.5°	142.3	138.2	135.5	138.2	142.3	147.7	155.9	168.1	169.4	176.2	174.8
85°	109.8	97.6	96.2	103.0	101.6	108.4	122.0	131.5	139.6	146.4	139.6
87.5°	65.1	58.3	48.8	46.1	50.1	66.4	69.1	84.0	90.8	93.5	84.0
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2.5°	2327.1	2333.9	2333.9	2336.6	2340.6	2342.0	2347.4	2356.9	2358.3	2358.3	2362.3
5°	2370.5	2377.2	2377.2	2382.7	2384.0	2390.8	2397.6	2408.4	2413.8	2412.5	2430.1
7.5°	2440.9	2435.5	2431.4	2439.6	2443.6	2451.8	2465.3	2474.8	2484.3	2499.2	2523.6
10°	2500.6	2492.4	2488.4	2493.8	2496.5	2506.0	2514.1	2527.7	2550.7	2573.8	2603.6
12.5°	2549.4	2539.9	2529.0	2531.7	2535.8	2548.0	2561.6	2579.2	2613.1	2642.9	2687.6
15°	2590.0	2576.5	2565.6	2571.0	2580.5	2596.8	2619.8	2651.0	2706.6	2758.1	2817.7
17.5°	2629.3	2626.6	2622.5	2640.2	2646.9	2684.9	2718.8	2775.7	2851.6	2928.8	3014.2
20°	2667.3	2697.1	2712.0	2747.2	2768.9	2820.4	2871.9	2941.0	3037.3	3143.0	3259.5
22.5°	2720.1	2801.4	2851.6	2923.4	2960.0	3015.6	3091.5	3182.3	3289.4	3424.9	3574.0
25°	2846.2	2965.4	3065.7	3178.2	3270.4	3355.8	3446.6	3556.4	3710.9	3834.2	4029.4
27.5°	2901.7	3069.8	3220.2	3378.8	3517.1	3648.5	3792.2	3925.0	4108.0	4274.7	4510.5
30°	2848.9	3038.6	3233.8	3441.2	3643.1	3842.3	4051.1	4254.4	4465.8	4698.9	4949.6
32.5°	2751.3	2964.1	3183.6	3427.6	3678.3	3937.2	4208.3	4503.7	4801.9	5091.9	5348.1
35°	2652.4	2881.4	3125.4	3404.6	3700.0	4021.2	4357.4	4731.4	5125.8	5493.1	5827.9
37.5°	2508.7	2760.8	3040.0	3362.6	3713.6	4109.3	4541.7	5002.5	5501.2	6006.8	6445.9
40°	2335.2	2602.2	2907.2	3278.5	3700.0	4200.1	4762.6	5353.5	5994.6	6611.3	7150.7
42.5°	2176.6	2436.9	2762.1	3166.0	3664.8	4280.1	4972.7	5708.6	6467.6	7157.5	7862.2
45°	2037.0	2324.4	2651.0	3087.4	3647.2	4347.9	5128.5	5974.3	6843.0	7664.3	8496.5
47.5°	1909.6	2207.8	2573.8	3044.1	3639.0	4388.5	5237.0	6147.7	7110.0	8053.3	9019.7
50°	1778.2	2068.2	2459.9	2996.6	3618.7	4387.2	5293.9	6265.6	7297.0	8355.6	9380.2
52.5°	1637.2	1928.6	2321.7	2909.9	3575.3	4362.8	5308.8	6345.6	7444.8	8541.2	9686.5
55°	1508.5	1780.9	2173.9	2764.9	3484.5	4303.1	5274.9	6379.5	7549.1	8725.6	9902.0
57.5°	1360.7	1644.0	2018.1	2565.6	3313.8	4197.4	5178.7	6332.1	7579.0	8848.9	10072.7
60°	1157.4	1435.3	1820.2	2329.8	3046.8	3973.8	4999.8	6188.4	7484.1	8870.6	10194.7
62.5°	924.3	1164.2	1535.6	2004.5	2671.3	3622.8	4669.1	5865.8	7188.6	8667.3	10132.4
65°	687.1	847.1	1166.9	1578.9	2236.3	3094.2	4136.4	5325.1	6611.3	8102.1	9740.7
67.5°	478.4	593.6	790.2	1096.5	1626.4	2389.4	3376.1	4480.7	5718.1	7055.8	8927.5
70°	361.9	414.7	521.8	692.6	1053.1	1627.7	2454.5	3438.4	4586.4	5875.3	7638.6
72.5°	309.0	336.1	395.8	474.4	645.1	989.4	1541.0	2366.4	3384.2	4433.3	5860.4
75°	277.8	300.9	338.8	389.0	456.7	600.4	904.0	1497.6	2241.7	2969.5	4089.0
77.5°	252.1	272.4	306.3	332.1	368.6	432.3	576.0	895.9	1343.1	1835.1	2537.2
80°	225.0	237.2	268.4	294.1	322.6	359.2	413.4	562.5	771.2	1087.0	1496.3
82.5°	192.5	201.9	225.0	260.2	281.9	296.8	313.1	372.7	462.2	589.6	830.8
85°	149.1	155.9	176.2	201.9	211.4	212.8	215.5	231.8	287.3	441.8	715.6
87.5°	75.9	84.0	105.7	113.8	96.2	104.4	105.7	112.5	149.1	242.6	246.7
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°	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	0°
2.5°	2362.3	2366.4	2375.9	2374.5	2381.3	2381.3	2381.3	2388.1	2384.0	2388.1	2394.9	2.5°
5°	2430.1	2436.9	2450.4	2450.4	2451.8	2447.7	2455.8	2461.3	2454.5	2451.8	2453.1	5°
7.5°	2529.0	2539.9	2550.7	2561.6	2569.7	2565.6	2567.0	2554.8	2552.1	2542.6	2530.4	7.5°
10°	2625.3	2655.1	2675.4	2694.4	2695.7	2691.7	2693.0	2672.7	2668.6	2649.7	2637.5	10°
12.5°	2724.2	2762.1	2794.7	2815.0	2827.2	2829.9	2831.3	2831.3	2812.3	2796.0	2767.6	12.5°
15°	2870.6	2937.0	2987.1	3008.8	3026.4	3042.7	3046.8	3052.2	3037.3	3015.6	3011.5	15°
17.5°	3102.3	3164.7	3231.1	3289.4	3328.7	3331.4	3365.3	3362.6	3393.7	3369.3	3362.6	17.5°
20°	3377.5	3513.0	3582.1	3659.4	3704.1	3725.8	3804.4	3780.0	3803.0	3842.3	3803.0	20°
22.5°	3721.7	3893.8	3994.1	4099.8	4173.0	4225.9	4282.8	4327.5	4389.9	4419.7	4392.6	22.5°
25°	4178.5	4375.0	4494.2	4640.6	4757.2	4852.0	4951.0	5070.3	5068.9	5140.7	5190.9	25°
27.5°	4703.0	4953.7	5127.2	5384.7	5485.0	5644.9	5814.3	5998.7	6031.2	6124.7	6172.1	27.5°
30°	5196.3	5506.7	5850.9	6157.2	6504.2	6741.4	6937.9	7068.0	7264.5	7215.7	7188.6	30°
32.5°	5651.7	6065.1	6555.7	7058.5	7608.8	7984.2	8331.2	8492.4	8614.4	8355.6	8012.7	32.5°
35°	6242.6	6737.3	7298.4	7919.1	8618.5	9151.1	9508.9	9559.1	9490.0	9157.9	8590.0	35°
37.5°	6974.5	7493.6	8131.9	8787.9	9530.6	10030.7	10438.7	10511.9	10328.9	9736.6	9140.3	37.5°
40°	7696.9	8305.4	8998.0	9774.6	10544.4	11094.7	11504.0	11525.6	11227.5	10534.9	9836.9	40°
42.5°	8487.0	9152.5	9923.7	10784.3	11579.9	12136.9	12432.4	12525.9	12104.4	11216.6	10547.1	42.5°
45°	9168.7	9964.3	10823.6	11738.4	12570.6	13099.2	13400.1	13370.2	12860.6	11983.7	11199.0	45°
47.5°	9832.9	10708.4	11613.7	12585.5	13412.3	13946.3	14255.3	14228.2	13581.7	12572.0	11708.6	47.5°
50°	10423.8	11373.9	12341.6	13379.7	14203.8	14693.0	15071.2	14951.9	14134.6	13045.0	12036.6	50°
52.5°	10834.4	11894.3	12905.4	14027.6	14876.0	15339.5	15820.7	15437.1	14461.3	13335.0	12212.8	52.5°
55°	11094.7	12252.1	13306.5	14548.0	15381.5	15935.9	16246.2	15701.4	14587.3	13415.0	12273.8	55°
57.5°	11270.8	12448.6	13542.4	14848.9	15836.9	16301.8	16377.7	15710.9	14506.0	13288.9	12212.8	57.5°
60°	11357.6	12506.9	13649.4	15060.3	16156.8	16411.6	16273.3	15491.3	14225.4	12918.9	11819.8	60°
62.5°	11348.1	12433.7	13593.9	15130.8	16220.5	16253.0	15938.6	15117.3	13709.1	12142.3	11166.5	62.5°
65°	11106.9	12166.7	13280.8	14869.2	15923.7	15784.1	15388.3	14415.2	12704.8	11128.5	10635.2	65°
67.5°	10411.6	11428.1	12462.2	14012.7	15087.4	14951.9	14352.8	13035.5	11537.8	10231.3	9965.7	67.5°
70°	9248.7	10110.7	11018.8	12380.9	13508.5	13325.5	12277.9	11476.9	10381.8	9194.5	9102.3	70°
72.5°	7732.1	8385.4	9044.1	10057.8	10834.4	10460.4	9801.7	9759.7	8874.6	7967.9	7986.9	72.5°
75°	6047.4	6538.1	6845.7	7442.1	7958.4	7623.7	7663.0	7896.1	7604.7	6890.5	6658.7	75°
77.5°	4381.8	4852.0	4949.6	5303.4	5666.6	6047.4	6551.6	7100.5	7192.7	6791.5	5951.2	77.5°
80°	2867.9	3385.6	3193.1	3319.2	3830.1	4525.4	5445.7	6349.7	6660.0	6299.5	5265.4	80°
82.5°	1691.4	2416.5	2110.2	2325.7	2649.7	3255.5	3891.1	4572.9	5091.9	4708.4	4398.0	82.5°
85°	1284.8	1905.6	2018.1	2279.6	2385.4	2411.1	2522.3	2744.5	3012.9	3113.2	3105.0	85°
87.5°	669.5	1481.4	1663.0	1538.3	1435.3	1244.2	970.4	1045.0	955.5	1306.5	1237.4	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°
2264.7	2264.7	2264.7	2264.7	2264.7	2264.7	2264.7
2396.2	2392.1	2394.9	2396.2	2396.2	2396.2	2398.9
2451.8	2440.9	2436.9	2436.9	2435.5	2431.4	2430.1
2511.4	2492.4	2485.7	2477.5	2470.8	2466.7	2459.9
2618.5	2602.2	2568.3	2549.4	2531.7	2519.5	2508.7
2762.1	2739.1	2706.6	2682.2	2655.1	2646.9	2633.4
2984.4	2964.1	2935.6	2908.5	2892.3	2863.8	2843.5
3331.4	3290.7	3262.3	3227.0	3187.7	3129.4	3101.0
3788.1	3706.8	3649.9	3618.7	3540.1	3530.6	3461.5
4312.6	4288.2	4201.5	4163.5	4087.6	4057.8	3949.4
5097.4	5078.4	4900.8	4881.9	4765.3	4678.6	4510.5
6128.8	5972.9	5772.3	5632.7	5433.5	5209.9	4923.9
7030.0	6711.5	6405.2	6080.0	5804.8	5483.6	5159.7
7604.7	7177.8	6783.4	6450.0	6109.8	5727.6	5311.5
8108.9	7677.9	7248.3	6853.9	6441.8	5952.6	5438.9
8712.0	8283.7	7799.9	7245.5	6717.0	6117.9	5490.4
9330.0	8828.6	8224.1	7545.1	6881.0	6199.2	5480.9
9963.0	9321.9	8518.2	7744.3	6985.3	6211.4	5417.2
10476.6	9666.1	8736.4	7846.0	7007.0	6169.4	5337.3
10839.9	9887.1	8834.0	7881.2	6979.9	6103.0	5228.8
11047.2	10007.7	8858.4	7855.4	6924.3	6008.1	5110.9
11123.1	10044.3	8834.0	7802.6	6874.2	5906.5	5028.2
11115.0	10024.0	8744.5	7679.2	6740.0	5771.0	4926.6
10961.8	9835.6	8561.6	7531.5	6626.2	5708.6	4933.4
10701.6	9716.3	8507.3	7561.3	6685.8	5842.8	5147.5
10583.7	9954.8	8812.3	7859.5	6992.1	6226.3	5589.3
10517.3	10342.5	9248.7	8180.7	7355.3	6691.2	6116.6
10246.2	10453.6	9496.7	8363.7	7679.2	7157.5	6643.8
9808.5	10194.7	9308.3	8328.4	7858.2	7515.3	6833.5
8895.0	9302.9	8469.4	7809.4	7634.5	7520.7	6548.9
7206.2	7417.7	6943.3	6794.2	6859.3	6860.6	5493.1
5314.2	5186.8	4972.7	4983.5	5421.3	5353.5	3915.5
4338.4	3550.9	3247.3	3362.6	3903.3	3611.9	2459.9
4037.5	3167.4	2614.4	2641.5	2947.8	2327.1	1481.4
3265.0	2886.8	2314.9	2077.7	2016.7	1550.5	1005.6
1366.2	1256.4	935.2	843.0	691.2	422.9	192.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)