

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: P159030

Luminaire Tested: **VTS-E08-LED-E1-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159030
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-E08-LED-E1-SLR
Description: VENTUS LED SITE LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (168) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

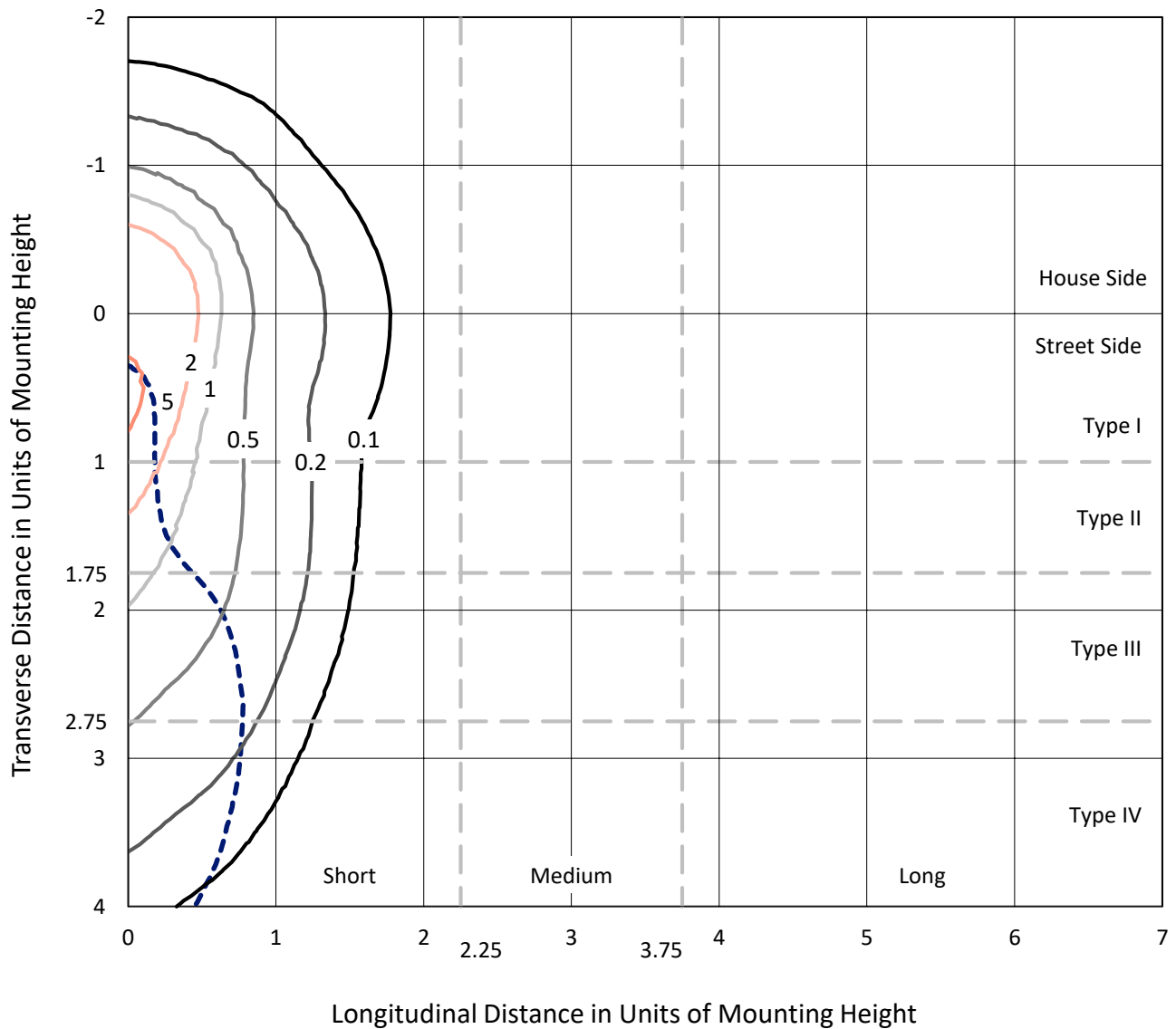
Lumens per Lamp: N/A
Luminaire Lumens: 21498.3 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 194.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

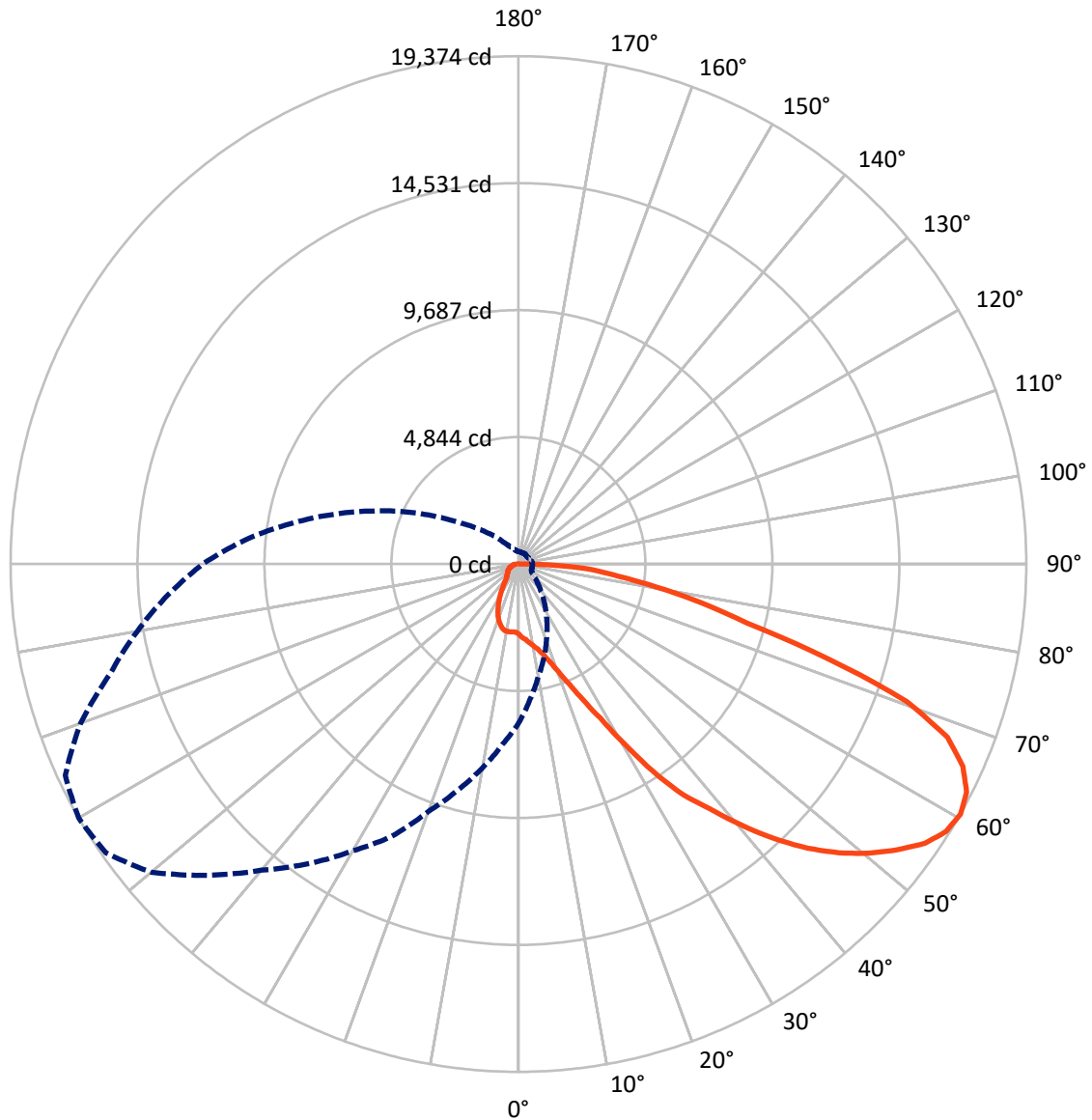
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	4840.7	0.0	4840.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	16657.5	0.0	16657.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	21498.3	0.0	21498.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.8	1.2
10°-20°	851.7	4.0
20°-30°	1616.1	7.5
30°-40°	2545.1	11.8
40°-50°	3552.3	16.5
50°-60°	4393.4	20.4
60°-70°	4553.9	21.2
70°-80°	2865.5	13.3
80°-90°	856.6	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°	21498.3	100.0
0°-180°	21498.3	100.0



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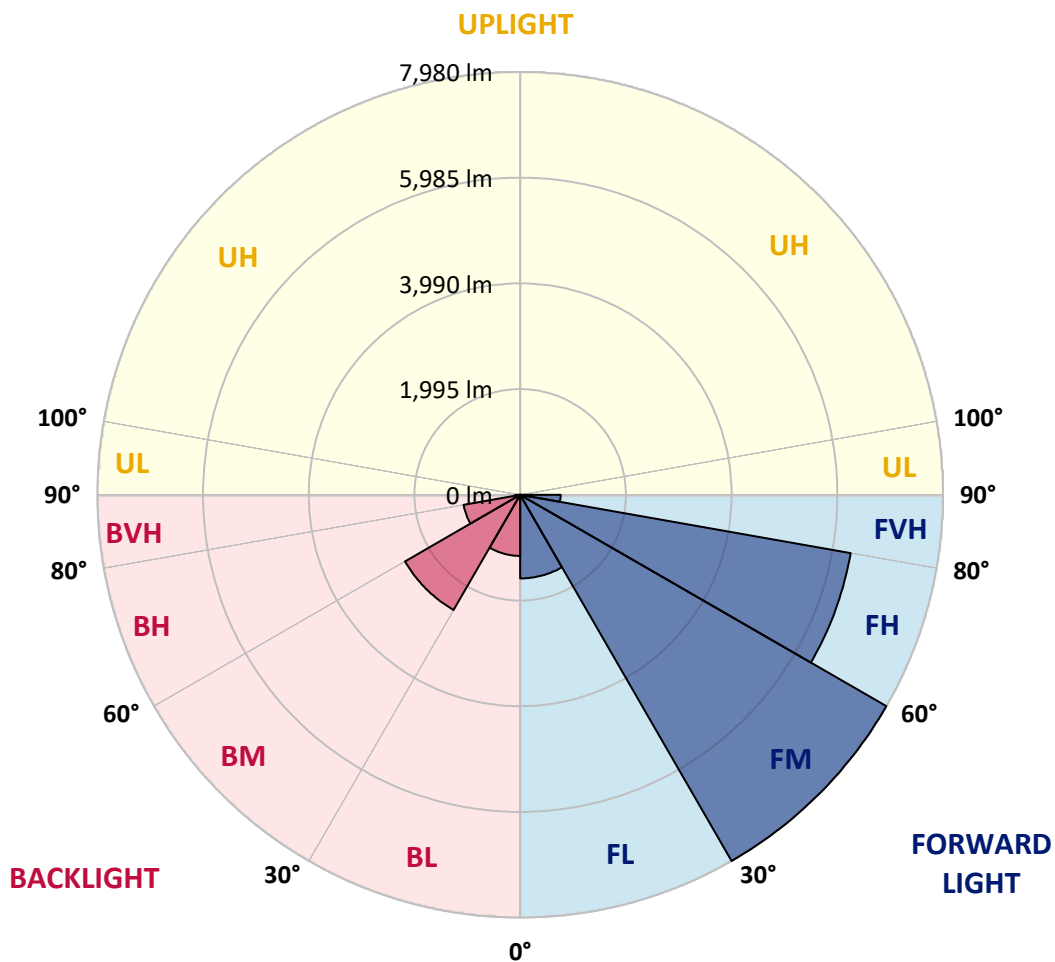
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1578.3	7.3			
FM	(30°-60°)	7980.5	37.1			
FH	(60°-80°)	6335.3	29.5			G3/7500
FVH	(80°-90°)	763.4	3.6			G5
BL	(0°-30°)	1153.2	5.4	B3/2500		
BM	(30°-60°)	2510.2	11.7	B3/5000		
BH	(60°-80°)	1084.1	5.0	B3/2500		G3/2500
BVH	(80°-90°)	93.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6
2.5°	2832.0	2662.4	2665.6	2660.8	2660.8	2657.6	2660.8	2657.6	2654.4	2654.4	2656.0
5°	2868.8	2681.6	2681.6	2676.8	2673.6	2670.4	2673.6	2670.4	2668.8	2665.6	2667.2
7.5°	2904.0	2692.8	2686.4	2680.0	2672.0	2675.2	2675.2	2673.6	2675.2	2673.6	2676.8
10°	2961.6	2729.6	2713.6	2699.2	2697.6	2694.4	2694.4	2689.6	2689.6	2686.4	2688.0
12.5°	3108.8	2843.2	2825.6	2800.0	2795.2	2780.8	2772.8	2763.2	2747.2	2732.8	2721.6
15°	3356.8	3032.0	2998.4	2976.0	2966.4	2937.6	2892.8	2857.6	2811.2	2771.2	2729.6
17.5°	3660.8	3284.8	3244.8	3216.0	3168.0	3089.6	3014.4	2928.0	2838.4	2756.8	2681.6
20°	4086.4	3648.0	3569.6	3500.8	3380.8	3246.4	3105.6	2955.2	2817.6	2689.6	2579.2
22.5°	4662.4	4116.8	3971.2	3787.2	3564.8	3337.6	3113.6	2905.6	2721.6	2555.2	2408.0
25°	5324.8	4564.8	4302.4	3985.6	3644.8	3331.2	3036.8	2769.6	2555.2	2340.8	2180.8
27.5°	5812.8	4939.2	4552.0	4136.0	3700.8	3300.8	2939.2	2616.0	2356.8	2137.6	1944.0
30°	6091.2	5153.6	4688.0	4200.0	3710.4	3249.6	2816.0	2441.6	2142.4	1881.6	1696.0
32.5°	6270.4	5268.8	4702.4	4136.0	3595.2	3097.6	2628.8	2240.0	1915.2	1636.8	1440.0
35°	6420.8	5315.2	4635.2	3993.6	3377.6	2867.2	2388.8	2000.0	1656.0	1400.0	1198.4
37.5°	6481.6	5307.2	4528.0	3803.2	3164.8	2616.0	2144.0	1745.6	1438.4	1212.8	1040.0
40°	6470.4	5233.6	4382.4	3600.0	2915.2	2353.6	1884.8	1534.4	1284.8	1094.4	968.0
42.5°	6395.2	5136.0	4220.8	3393.6	2686.4	2136.0	1708.8	1398.4	1196.8	1052.8	942.4
45°	6300.8	5019.2	4073.6	3204.8	2505.6	1980.8	1606.4	1360.0	1185.6	1048.0	929.6
47.5°	6172.8	4889.6	3924.8	3070.4	2409.6	1934.4	1604.8	1382.4	1195.2	1036.8	907.2
50°	6033.6	4795.2	3843.2	3012.8	2398.4	1963.2	1660.8	1417.6	1201.6	1025.6	876.8
52.5°	5936.0	4753.6	3841.6	3033.6	2457.6	2043.2	1726.4	1462.4	1225.6	1032.0	870.4
55°	5816.0	4747.2	3883.2	3123.2	2587.2	2179.2	1830.4	1539.2	1275.2	1056.0	875.2
57.5°	5824.0	4873.6	4044.8	3344.0	2820.8	2363.2	1963.2	1633.6	1323.2	1070.4	867.2
60°	6076.8	5168.0	4363.2	3721.6	3126.4	2579.2	2099.2	1684.8	1320.0	1038.4	828.8
62.5°	6598.4	5609.6	4840.0	4164.8	3436.8	2745.6	2148.8	1670.4	1272.0	969.6	766.4
65°	7220.8	6126.4	5304.0	4508.8	3625.6	2784.0	2105.6	1590.4	1176.0	880.0	691.2
67.5°	7843.2	6492.8	5571.2	4606.4	3548.8	2628.8	1945.6	1411.2	1012.8	758.4	606.4
70°	8067.2	6568.0	5550.4	4387.2	3200.0	2243.2	1601.6	1136.0	812.8	620.8	510.4
72.5°	7731.2	6097.6	4934.4	3728.0	2601.6	1739.2	1174.4	838.4	620.8	486.4	416.0
75°	6484.8	4910.4	3900.8	2808.0	1878.4	1230.4	848.0	611.2	467.2	385.6	332.8
77.5°	4622.4	3419.2	2657.6	1844.8	1219.2	852.8	608.0	459.2	371.2	308.8	270.4
80°	2904.0	2099.2	1619.2	1107.2	760.0	579.2	436.8	363.2	299.2	251.2	225.6
82.5°	1748.8	1222.4	953.6	688.0	499.2	396.8	321.6	284.8	238.4	208.0	193.6
85°	1187.2	899.2	625.6	406.4	300.8	233.6	219.2	196.8	177.6	148.8	144.0
87.5°	227.2	321.6	280.0	166.4	110.4	94.4	83.2	80.0	72.0	57.6	65.6
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°	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6
2.5°	2646.4	2643.2	2636.8	2636.8	2632.0	2622.4	2620.8	2614.4	2606.4	2608.0	2606.4
5°	2656.0	2649.6	2641.6	2638.4	2632.0	2622.4	2617.6	2609.6	2601.6	2601.6	2601.6
7.5°	2667.2	2659.2	2652.8	2641.6	2628.8	2619.2	2606.4	2596.8	2592.0	2590.4	2592.0
10°	2676.8	2672.0	2662.4	2646.4	2628.8	2609.6	2596.8	2584.0	2571.2	2572.8	2574.4
12.5°	2697.6	2681.6	2656.0	2632.0	2604.8	2580.8	2558.4	2542.4	2526.4	2526.4	2528.0
15°	2683.2	2636.8	2601.6	2555.2	2524.8	2486.4	2460.8	2446.4	2436.8	2433.6	2435.2
17.5°	2598.4	2542.4	2489.6	2448.0	2406.4	2376.0	2364.8	2355.2	2342.4	2348.8	2342.4
20°	2470.4	2401.6	2326.4	2276.8	2227.2	2206.4	2187.2	2177.6	2169.6	2198.4	2198.4
22.5°	2286.4	2203.2	2126.4	2065.6	2009.6	1987.2	1968.0	1956.8	1961.6	1996.8	2000.0
25°	2054.4	1953.6	1852.8	1816.0	1760.0	1742.4	1731.2	1729.6	1734.4	1769.6	1777.6
27.5°	1808.0	1702.4	1616.0	1531.2	1505.6	1491.2	1470.4	1494.4	1499.2	1537.6	1553.6
30°	1545.6	1432.0	1340.8	1284.8	1230.4	1238.4	1220.8	1249.6	1262.4	1302.4	1315.2
32.5°	1276.8	1169.6	1078.4	1022.4	984.0	988.8	976.0	1001.6	1014.4	1062.4	1086.4
35°	1056.0	964.8	891.2	843.2	825.6	808.0	804.8	808.0	820.8	857.6	900.8
37.5°	929.6	854.4	801.6	766.4	742.4	731.2	724.8	724.8	724.8	732.8	753.6
40°	875.2	808.0	761.6	728.0	712.0	705.6	700.8	696.0	688.0	684.8	686.4
42.5°	851.2	774.4	724.8	699.2	689.6	689.6	689.6	686.4	678.4	670.4	662.4
45°	827.2	744.0	694.4	676.8	672.0	673.6	673.6	673.6	667.2	657.6	643.2
47.5°	796.8	710.4	660.8	649.6	649.6	654.4	656.0	656.0	649.6	640.0	628.8
50°	760.0	667.2	622.4	612.8	608.0	608.0	608.0	608.0	603.2	596.8	588.8
52.5°	740.8	643.2	596.8	587.2	587.2	582.4	580.8	576.0	571.2	566.4	555.2
55°	734.4	633.6	585.6	577.6	577.6	572.8	568.0	563.2	555.2	547.2	536.0
57.5°	716.8	612.8	571.2	564.8	564.8	561.6	556.8	552.0	544.0	532.8	518.4
60°	676.8	577.6	542.4	540.8	540.8	539.2	536.0	536.0	528.0	516.8	499.2
62.5°	625.6	540.8	507.2	507.2	505.6	504.0	497.6	496.0	486.4	472.0	456.0
65°	576.0	508.8	486.4	480.0	476.8	472.0	468.8	460.8	452.8	440.0	424.0
67.5°	513.6	460.8	446.4	440.0	433.6	428.8	424.0	419.2	409.6	400.0	387.2
70°	446.4	408.0	400.0	398.4	390.4	385.6	384.0	379.2	369.6	360.0	344.0
72.5°	382.4	360.0	353.6	353.6	344.0	337.6	334.4	332.8	326.4	318.4	304.0
75°	308.8	292.8	291.2	299.2	299.2	294.4	291.2	294.4	284.8	280.0	265.6
77.5°	252.8	244.8	240.0	243.2	252.8	248.0	241.6	241.6	241.6	233.6	228.8
80°	214.4	208.0	203.2	206.4	204.8	203.2	200.0	193.6	193.6	193.6	192.0
82.5°	193.6	192.0	174.4	174.4	168.0	163.2	160.0	156.8	153.6	153.6	161.6
85°	145.6	150.4	140.8	139.2	131.2	124.8	118.4	115.2	112.0	116.8	132.8
87.5°	70.4	70.4	67.2	75.2	68.8	65.6	60.8	57.6	60.8	75.2	89.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6
2.5°	2603.2	2601.6	2600.0	2596.8	2590.4	2588.8	2585.6	2585.6	2584.0	2580.8	2584.0
5°	2598.4	2601.6	2601.6	2600.0	2595.2	2598.4	2598.4	2603.2	2603.2	2606.4	2614.4
7.5°	2592.0	2600.0	2606.4	2611.2	2617.6	2622.4	2632.0	2646.4	2652.8	2664.0	2668.8
10°	2579.2	2593.6	2604.8	2619.2	2635.2	2652.8	2667.2	2689.6	2697.6	2713.6	2721.6
12.5°	2542.4	2566.4	2585.6	2614.4	2641.6	2668.8	2694.4	2723.2	2737.6	2755.2	2766.4
15°	2452.8	2480.0	2507.2	2532.8	2580.8	2633.6	2675.2	2713.6	2734.4	2756.8	2768.0
17.5°	2345.6	2363.2	2385.6	2419.2	2465.6	2512.0	2579.2	2633.6	2665.6	2691.2	2694.4
20°	2220.8	2246.4	2262.4	2275.2	2312.0	2344.0	2416.0	2478.4	2520.0	2550.4	2558.4
22.5°	2030.4	2057.6	2084.8	2094.4	2123.2	2164.8	2204.8	2272.0	2331.2	2376.0	2403.2
25°	1812.8	1838.4	1875.2	1904.0	1910.4	1944.0	1984.0	2060.8	2121.6	2193.6	2225.6
27.5°	1595.2	1617.6	1657.6	1673.6	1692.8	1726.4	1758.4	1822.4	1886.4	1969.6	2004.8
30°	1340.8	1388.8	1435.2	1465.6	1481.6	1521.6	1544.0	1606.4	1665.6	1726.4	1777.6
32.5°	1123.2	1166.4	1219.2	1257.6	1276.8	1307.2	1342.4	1395.2	1441.6	1500.8	1560.0
35°	923.2	982.4	1017.6	1051.2	1100.8	1115.2	1150.4	1198.4	1225.6	1289.6	1356.8
37.5°	782.4	817.6	852.8	886.4	928.0	947.2	980.8	1020.8	1052.8	1091.2	1152.0
40°	696.0	715.2	740.8	763.2	793.6	817.6	835.2	868.8	892.8	931.2	974.4
42.5°	656.0	660.8	664.0	680.0	696.0	712.0	731.2	745.6	774.4	803.2	830.4
45°	633.6	624.0	619.2	620.8	627.2	636.8	652.8	668.8	688.0	705.6	721.6
47.5°	614.4	601.6	587.2	579.2	580.8	584.0	596.8	609.6	619.2	633.6	640.0
50°	569.6	558.4	545.6	534.4	536.0	537.6	548.8	558.4	564.8	569.6	577.6
52.5°	540.8	524.8	513.6	502.4	500.8	505.6	515.2	524.8	528.0	531.2	532.8
55°	520.0	504.0	489.6	478.4	473.6	484.8	488.0	500.8	505.6	505.6	507.2
57.5°	504.0	484.8	470.4	459.2	451.2	459.2	467.2	481.6	483.2	480.0	480.0
60°	480.0	465.6	451.2	440.0	432.0	438.4	444.8	460.8	460.8	452.8	451.2
62.5°	438.4	430.4	420.8	416.0	414.4	420.8	425.6	438.4	433.6	424.0	420.8
65°	408.0	401.6	392.0	388.8	387.2	396.8	398.4	406.4	400.0	395.2	393.6
67.5°	371.2	366.4	361.6	360.0	355.2	355.2	358.4	363.2	360.0	360.0	361.6
70°	329.6	323.2	318.4	320.0	316.8	316.8	318.4	321.6	320.0	323.2	326.4
72.5°	291.2	283.2	281.6	281.6	278.4	280.0	280.0	281.6	284.8	286.4	294.4
75°	254.4	246.4	246.4	244.8	244.8	244.8	246.4	249.6	252.8	254.4	257.6
77.5°	220.8	216.0	217.6	216.0	216.0	216.0	216.0	220.8	222.4	224.0	228.8
80°	190.4	190.4	192.0	192.0	190.4	188.8	190.4	193.6	195.2	196.8	198.4
82.5°	172.8	174.4	174.4	174.4	166.4	163.2	168.0	171.2	174.4	176.0	179.2
85°	148.8	142.4	148.8	147.2	136.0	134.4	134.4	136.0	139.2	136.0	136.0
87.5°	96.0	86.4	91.2	91.2	80.0	65.6	83.2	89.6	80.0	84.8	84.8
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°	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6
2.5°	2588.8	2585.6	2587.2	2587.2	2590.4	2585.6	2592.0	2598.4	2600.0	2600.0	2601.6
5°	2622.4	2619.2	2630.4	2625.6	2636.8	2635.2	2643.2	2649.6	2652.8	2652.8	2652.8
7.5°	2675.2	2686.4	2692.8	2710.4	2712.0	2721.6	2729.6	2737.6	2734.4	2736.0	2734.4
10°	2734.4	2748.8	2764.8	2782.4	2784.0	2795.2	2808.0	2816.0	2812.8	2811.2	2806.4
12.5°	2785.6	2795.2	2814.4	2832.0	2841.6	2859.2	2872.0	2878.4	2878.4	2873.6	2868.8
15°	2782.4	2796.8	2817.6	2843.2	2860.8	2886.4	2908.8	2923.2	2924.8	2920.0	2918.4
17.5°	2712.0	2732.8	2752.0	2787.2	2819.2	2854.4	2891.2	2912.0	2931.2	2942.4	2948.8
20°	2585.6	2611.2	2638.4	2684.8	2728.0	2774.4	2817.6	2848.0	2876.8	2910.4	2950.4
22.5°	2436.8	2475.2	2513.6	2572.8	2625.6	2678.4	2728.0	2764.8	2809.6	2867.2	2942.4
25°	2262.4	2302.4	2350.4	2419.2	2486.4	2563.2	2636.8	2710.4	2796.8	2896.0	3012.8
27.5°	2056.0	2100.8	2163.2	2246.4	2323.2	2401.6	2516.8	2633.6	2774.4	2902.4	3035.2
30°	1851.2	1908.8	1976.0	2059.2	2136.0	2248.0	2363.2	2507.2	2656.0	2800.0	2958.4
32.5°	1630.4	1702.4	1785.6	1854.4	1940.8	2054.4	2169.6	2323.2	2481.6	2651.2	2825.6
35°	1417.6	1486.4	1552.0	1628.8	1715.2	1822.4	1934.4	2081.6	2281.6	2462.4	2670.4
37.5°	1201.6	1265.6	1312.0	1372.8	1448.0	1566.4	1686.4	1856.0	2044.8	2267.2	2475.2
40°	1012.8	1065.6	1118.4	1166.4	1230.4	1342.4	1470.4	1636.8	1822.4	2038.4	2270.4
42.5°	862.4	902.4	960.0	1017.6	1072.0	1168.0	1288.0	1451.2	1635.2	1856.0	2088.0
45°	736.0	763.2	809.6	857.6	924.8	1004.8	1120.0	1286.4	1473.6	1696.0	1940.8
47.5°	644.8	657.6	689.6	739.2	801.6	880.0	979.2	1129.6	1312.0	1536.0	1793.6
50°	582.4	596.8	612.8	654.4	710.4	790.4	872.0	1003.2	1169.6	1388.8	1644.8
52.5°	539.2	545.6	552.0	577.6	628.8	696.0	782.4	881.6	1049.6	1259.2	1489.6
55°	513.6	515.2	520.0	532.8	571.2	633.6	708.8	803.2	934.4	1132.8	1368.0
57.5°	483.2	486.4	491.2	499.2	523.2	579.2	643.2	720.0	828.8	995.2	1220.8
60°	454.4	462.4	470.4	475.2	488.0	521.6	576.0	636.8	724.8	849.6	1028.8
62.5°	424.0	433.6	440.0	444.8	449.6	470.4	510.4	550.4	604.8	686.4	820.8
65°	396.8	403.2	408.0	411.2	414.4	420.8	438.4	454.4	470.4	520.0	617.6
67.5°	366.4	369.6	371.2	372.8	371.2	371.2	372.8	379.2	385.6	404.8	451.2
70°	331.2	336.0	336.0	337.6	337.6	332.8	332.8	332.8	332.8	337.6	363.2
72.5°	297.6	304.0	304.0	305.6	304.0	302.4	302.4	302.4	307.2	310.4	320.0
75°	265.6	272.0	270.4	272.0	273.6	273.6	276.8	278.4	283.2	284.8	291.2
77.5°	233.6	238.4	240.0	238.4	241.6	244.8	251.2	254.4	256.0	257.6	259.2
80°	203.2	206.4	204.8	200.0	208.0	212.8	222.4	233.6	230.4	232.0	235.2
82.5°	168.0	163.2	160.0	163.2	168.0	174.4	184.0	198.4	200.0	208.0	206.4
85°	129.6	115.2	113.6	121.6	120.0	128.0	144.0	155.2	164.8	172.8	164.8
87.5°	76.8	68.8	57.6	54.4	59.2	78.4	81.6	99.2	107.2	110.4	99.2
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6
2.5°	2747.2	2755.2	2755.2	2758.4	2763.2	2764.8	2771.2	2782.4	2784.0	2784.0	2788.8
5°	2798.4	2806.4	2806.4	2812.8	2814.4	2822.4	2830.4	2843.2	2849.6	2848.0	2868.8
7.5°	2881.6	2875.2	2870.4	2880.0	2884.8	2894.4	2910.4	2921.6	2932.8	2950.4	2979.2
10°	2952.0	2942.4	2937.6	2944.0	2947.2	2958.4	2968.0	2984.0	3011.2	3038.4	3073.6
12.5°	3009.6	2998.4	2985.6	2988.8	2993.6	3008.0	3024.0	3044.8	3084.8	3120.0	3172.8
15°	3057.6	3041.6	3028.8	3035.2	3046.4	3065.6	3092.8	3129.6	3195.2	3256.0	3326.4
17.5°	3104.0	3100.8	3096.0	3116.8	3124.8	3169.6	3209.6	3276.8	3366.4	3457.6	3558.4
20°	3148.8	3184.0	3201.6	3243.2	3268.8	3329.6	3390.4	3472.0	3585.6	3710.4	3848.0
22.5°	3211.2	3307.2	3366.4	3451.2	3494.4	3560.0	3649.6	3756.8	3883.2	4043.2	4219.2
25°	3360.0	3500.8	3619.2	3752.0	3860.8	3961.6	4068.8	4198.4	4380.8	4526.4	4756.8
27.5°	3425.6	3624.0	3801.6	3988.8	4152.0	4307.2	4476.8	4633.6	4849.6	5046.4	5324.8
30°	3363.2	3587.2	3817.6	4062.4	4300.8	4536.0	4782.4	5022.4	5272.0	5547.2	5843.2
32.5°	3248.0	3499.2	3758.4	4046.4	4342.4	4648.0	4968.0	5316.8	5668.8	6011.2	6313.6
35°	3131.2	3401.6	3689.6	4019.2	4368.0	4747.2	5144.0	5585.6	6051.2	6484.8	6880.0
37.5°	2961.6	3259.2	3588.8	3969.6	4384.0	4851.2	5361.6	5905.6	6494.4	7091.2	7609.6
40°	2756.8	3072.0	3432.0	3870.4	4368.0	4958.4	5622.4	6320.0	7076.8	7804.8	8441.6
42.5°	2569.6	2876.8	3260.8	3737.6	4326.4	5052.8	5870.4	6739.2	7635.2	8449.6	9281.6
45°	2404.8	2744.0	3129.6	3644.8	4305.6	5132.8	6054.4	7052.8	8078.4	9048.0	10030.4
47.5°	2254.4	2606.4	3038.4	3593.6	4296.0	5180.8	6182.4	7257.6	8393.6	9507.2	10648.0
50°	2099.2	2441.6	2904.0	3537.6	4272.0	5179.2	6249.6	7396.8	8614.4	9864.0	11073.6
52.5°	1932.8	2276.8	2740.8	3435.2	4220.8	5150.4	6267.2	7491.2	8788.8	10083.2	11435.2
55°	1780.8	2102.4	2566.4	3264.0	4113.6	5080.0	6227.2	7531.2	8912.0	10300.8	11689.6
57.5°	1606.4	1940.8	2382.4	3028.8	3912.0	4955.2	6113.6	7475.2	8947.2	10446.4	11891.2
60°	1366.4	1694.4	2148.8	2750.4	3596.8	4691.2	5902.4	7305.6	8835.2	10472.0	12035.2
62.5°	1091.2	1374.4	1812.8	2366.4	3153.6	4276.8	5512.0	6924.8	8486.4	10232.0	11961.6
65°	811.2	1000.0	1377.6	1864.0	2640.0	3652.8	4883.2	6286.4	7804.8	9564.8	11499.2
67.5°	564.8	700.8	932.8	1294.4	1920.0	2820.8	3985.6	5289.6	6750.4	8329.6	10539.2
70°	427.2	489.6	616.0	817.6	1243.2	1921.6	2897.6	4059.2	5414.4	6936.0	9017.6
72.5°	364.8	396.8	467.2	560.0	761.6	1168.0	1819.2	2793.6	3995.2	5233.6	6918.4
75°	328.0	355.2	400.0	459.2	539.2	708.8	1067.2	1768.0	2646.4	3505.6	4827.2
77.5°	297.6	321.6	361.6	392.0	435.2	510.4	680.0	1057.6	1585.6	2166.4	2995.2
80°	265.6	280.0	316.8	347.2	380.8	424.0	488.0	664.0	910.4	1283.2	1766.4
82.5°	227.2	238.4	265.6	307.2	332.8	350.4	369.6	440.0	545.6	696.0	980.8
85°	176.0	184.0	208.0	238.4	249.6	251.2	254.4	273.6	339.2	521.6	844.8
87.5°	89.6	99.2	124.8	134.4	113.6	123.2	124.8	132.8	176.0	286.4	291.2
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	0°
2.5°	2788.8	2793.6	2804.8	2803.2	2811.2	2811.2	2811.2	2819.2	2814.4	2819.2	2827.2	2.5°
5°	2868.8	2876.8	2892.8	2892.8	2894.4	2889.6	2899.2	2905.6	2897.6	2894.4	2896.0	5°
7.5°	2985.6	2998.4	3011.2	3024.0	3033.6	3028.8	3030.4	3016.0	3012.8	3001.6	2987.2	7.5°
10°	3099.2	3134.4	3158.4	3180.8	3182.4	3177.6	3179.2	3155.2	3150.4	3128.0	3113.6	10°
12.5°	3216.0	3260.8	3299.2	3323.2	3337.6	3340.8	3342.4	3342.4	3320.0	3300.8	3267.2	12.5°
15°	3388.8	3467.2	3526.4	3552.0	3572.8	3592.0	3596.8	3603.2	3585.6	3560.0	3555.2	15°
17.5°	3662.4	3736.0	3814.4	3883.2	3929.6	3932.8	3972.8	3969.6	4006.4	3977.6	3969.6	17.5°
20°	3987.2	4147.2	4228.8	4320.0	4372.8	4398.4	4491.2	4462.4	4489.6	4536.0	4489.6	20°
22.5°	4393.6	4596.8	4715.2	4840.0	4926.4	4988.8	5056.0	5108.8	5182.4	5217.6	5185.6	22.5°
25°	4932.8	5164.8	5305.6	5478.4	5616.0	5728.0	5844.8	5985.6	5984.0	6068.8	6128.0	25°
27.5°	5552.0	5848.0	6052.8	6356.8	6475.2	6664.0	6864.0	7081.6	7120.0	7230.4	7286.4	27.5°
30°	6134.4	6500.8	6907.2	7268.8	7678.4	7958.4	8190.4	8344.0	8576.0	8518.4	8486.4	30°
32.5°	6672.0	7160.0	7739.2	8332.8	8982.4	9425.6	9835.2	10025.6	10169.6	9864.0	9459.2	32.5°
35°	7369.6	7953.6	8616.0	9348.8	10174.4	10803.2	11225.6	11284.8	11203.2	10811.2	10140.8	35°
37.5°	8233.6	8846.4	9600.0	10374.4	11251.2	11841.6	12323.2	12409.6	12193.6	11494.4	10790.4	37.5°
40°	9086.4	9804.8	10622.4	11539.2	12448.0	13097.6	13580.8	13606.4	13254.4	12436.8	11612.8	40°
42.5°	10019.2	10804.8	11715.2	12731.2	13670.4	14328.0	14676.8	14787.2	14289.6	13241.6	12451.2	42.5°
45°	10824.0	11763.2	12777.6	13857.6	14840.0	15464.0	15819.2	15784.0	15182.4	14147.2	13220.8	45°
47.5°	11608.0	12641.6	13710.4	14857.6	15833.6	16464.0	16828.8	16796.8	16033.6	14841.6	13822.4	47.5°
50°	12305.6	13427.2	14569.6	15795.2	16768.0	17345.6	17792.0	17651.2	16686.4	15400.0	14209.6	50°
52.5°	12790.4	14041.6	15235.2	16560.0	17561.6	18108.8	18676.8	18224.0	17072.0	15742.4	14417.6	52.5°
55°	13097.6	14464.0	15708.8	17174.4	18158.4	18812.8	19179.2	18536.0	17220.8	15836.8	14489.6	55°
57.5°	13305.6	14696.0	15987.2	17529.6	18696.0	19244.8	19334.4	18547.2	17124.8	15688.0	14417.6	57.5°
60°	13408.0	14764.8	16113.6	17779.2	19073.6	19374.4	19211.2	18288.0	16793.6	15251.2	13953.6	60°
62.5°	13396.8	14678.4	16048.0	17862.4	19148.8	19187.2	18816.0	17846.4	16184.0	14334.4	13182.4	62.5°
65°	13112.0	14363.2	15678.4	17553.6	18798.4	18633.6	18166.4	17017.6	14998.4	13137.6	12555.2	65°
67.5°	12291.2	13491.2	14712.0	16542.4	17811.2	17651.2	16944.0	15388.8	13620.8	12078.4	11764.8	67.5°
70°	10918.4	11936.0	13008.0	14616.0	15947.2	15731.2	14494.4	13548.8	12256.0	10854.4	10745.6	70°
72.5°	9128.0	9899.2	10676.8	11873.6	12790.4	12348.8	11571.2	11521.6	10476.8	9406.4	9428.8	72.5°
75°	7139.2	7718.4	8081.6	8785.6	9395.2	9000.0	9046.4	9321.6	8977.6	8134.4	7860.8	75°
77.5°	5172.8	5728.0	5843.2	6260.8	6689.6	7139.2	7734.4	8382.4	8491.2	8017.6	7025.6	77.5°
80°	3385.6	3996.8	3769.6	3918.4	4521.6	5342.4	6428.8	7496.0	7862.4	7436.8	6216.0	80°
82.5°	1996.8	2852.8	2491.2	2745.6	3128.0	3843.2	4593.6	5398.4	6011.2	5558.4	5192.0	82.5°
85°	1516.8	2249.6	2382.4	2691.2	2816.0	2846.4	2977.6	3240.0	3556.8	3675.2	3665.6	85°
87.5°	790.4	1748.8	1963.2	1816.0	1694.4	1468.8	1145.6	1233.6	1128.0	1542.4	1460.8	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°
2673.6	2673.6	2673.6	2673.6	2673.6	2673.6	2673.6
2828.8	2824.0	2827.2	2828.8	2828.8	2828.8	2832.0
2894.4	2881.6	2876.8	2876.8	2875.2	2870.4	2868.8
2964.8	2942.4	2934.4	2924.8	2916.8	2912.0	2904.0
3091.2	3072.0	3032.0	3009.6	2988.8	2974.4	2961.6
3260.8	3233.6	3195.2	3166.4	3134.4	3124.8	3108.8
3523.2	3499.2	3465.6	3433.6	3414.4	3380.8	3356.8
3932.8	3884.8	3851.2	3809.6	3763.2	3694.4	3660.8
4472.0	4376.0	4308.8	4272.0	4179.2	4168.0	4086.4
5091.2	5062.4	4960.0	4915.2	4825.6	4790.4	4662.4
6017.6	5995.2	5785.6	5763.2	5625.6	5523.2	5324.8
7235.2	7051.2	6814.4	6649.6	6414.4	6150.4	5812.8
8299.2	7923.2	7561.6	7177.6	6852.8	6473.6	6091.2
8977.6	8473.6	8008.0	7614.4	7212.8	6761.6	6270.4
9572.8	9064.0	8556.8	8091.2	7604.8	7027.2	6420.8
10284.8	9779.2	9208.0	8553.6	7929.6	7222.4	6481.6
11014.4	10422.4	9708.8	8907.2	8123.2	7318.4	6470.4
11761.6	11004.8	10056.0	9142.4	8246.4	7332.8	6395.2
12368.0	11411.2	10313.6	9262.4	8272.0	7283.2	6300.8
12796.8	11672.0	10428.8	9304.0	8240.0	7204.8	6172.8
13041.6	11814.4	10457.6	9273.6	8174.4	7092.8	6033.6
13131.2	11857.6	10428.8	9211.2	8115.2	6972.8	5936.0
13121.6	11833.6	10323.2	9065.6	7956.8	6812.8	5816.0
12940.8	11611.2	10107.2	8891.2	7822.4	6739.2	5824.0
12633.6	11470.4	10043.2	8926.4	7892.8	6897.6	6076.8
12494.4	11752.0	10403.2	9278.4	8254.4	7350.4	6598.4
12416.0	12209.6	10918.4	9657.6	8683.2	7899.2	7220.8
12096.0	12340.8	11211.2	9873.6	9065.6	8449.6	7843.2
11579.2	12035.2	10988.8	9832.0	9276.8	8872.0	8067.2
10500.8	10982.4	9998.4	9219.2	9012.8	8878.4	7731.2
8507.2	8756.8	8196.8	8020.8	8097.6	8099.2	6484.8
6273.6	6123.2	5870.4	5883.2	6400.0	6320.0	4622.4
5121.6	4192.0	3833.6	3969.6	4608.0	4264.0	2904.0
4766.4	3739.2	3086.4	3118.4	3480.0	2747.2	1748.8
3854.4	3408.0	2732.8	2452.8	2380.8	1830.4	1187.2
1612.8	1483.2	1104.0	995.2	816.0	499.2	227.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)