

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: P159121

Luminaire Tested: **VST-E06-LED-E-U-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159121
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-SLR-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16544.6 lumens
Efficiency: N/A
Efficacy: 109.9 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

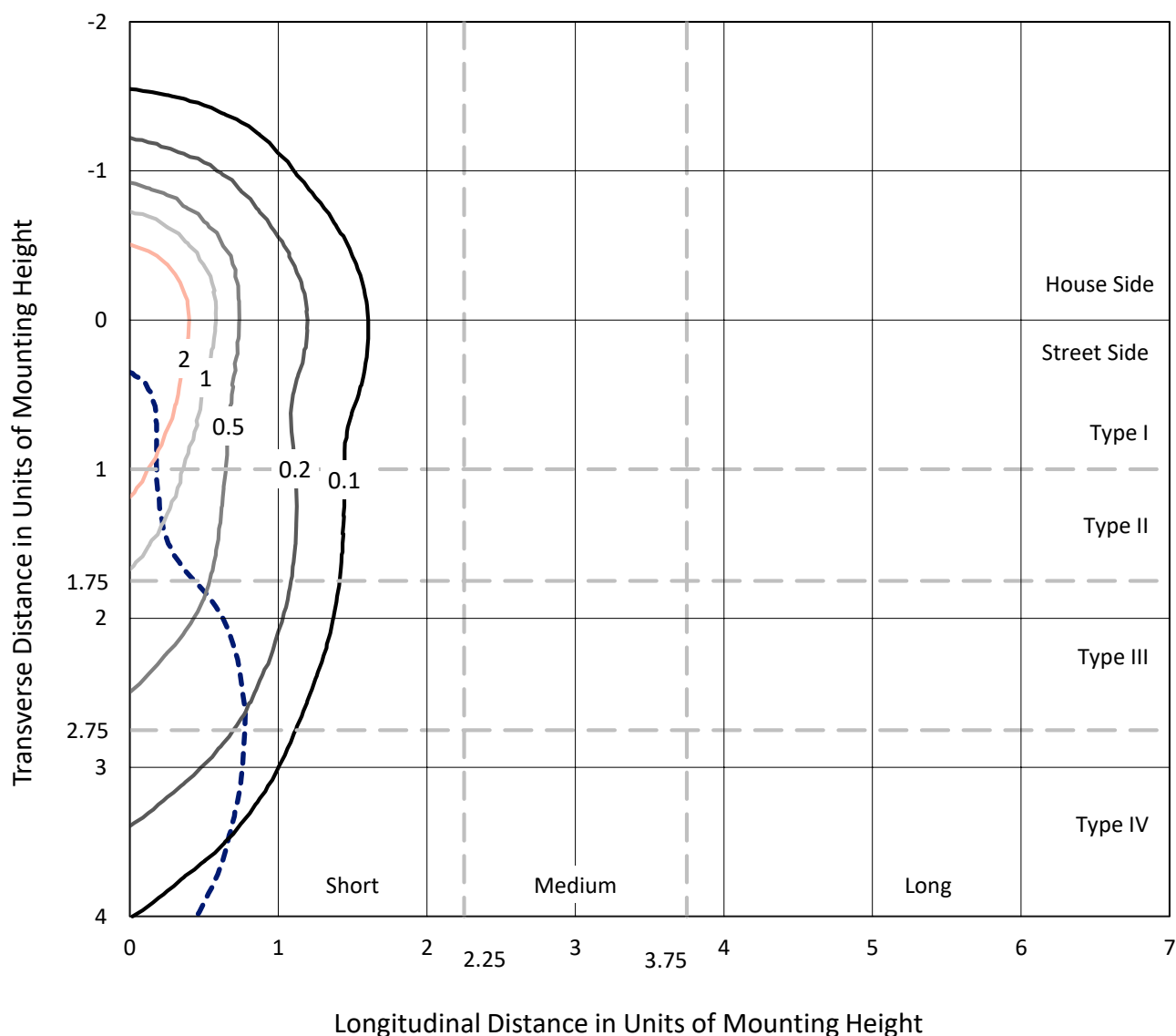


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

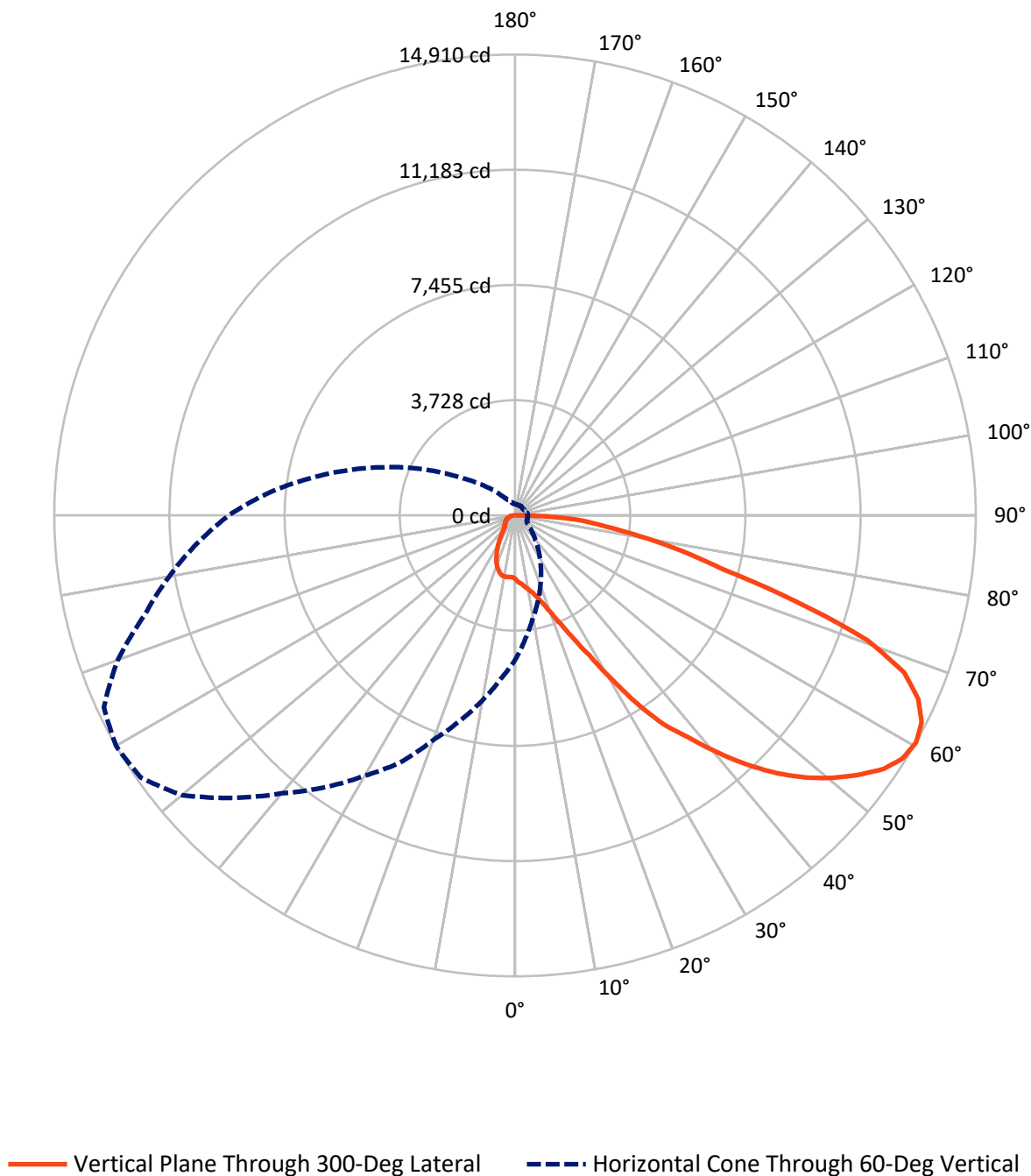


Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3725.3	0.0	3725.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	12819.3	0.0	12819.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	16544.6	0.0	16544.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	1.2
10°-20°	655.4	4.0
20°-30°	1243.7	7.5
30°-40°	1958.6	11.8
40°-50°	2733.8	16.5
50°-60°	3381.0	20.4
60°-70°	3504.6	21.2
70°-80°	2205.2	13.3
80°-90°	659.2	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°	16544.6	100.0
0°-180°	16544.6	100.0

Coefficient of Utilization



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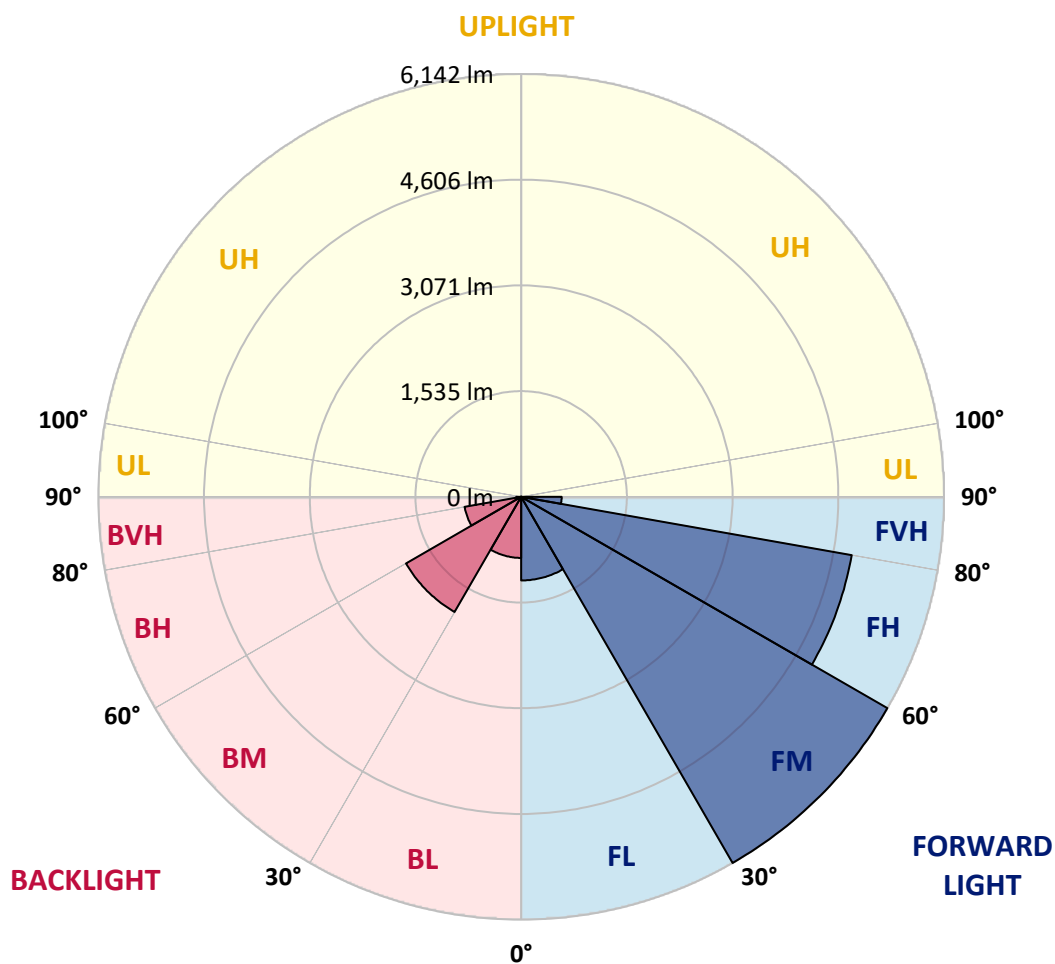
CATALOG NUMBER: VST-E06-LED-E-U-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1214.6	7.3			
FM	(30°-60°)	6141.6	37.1			
FH	(60°-80°)	4875.5	29.5			G2/5000
FVH	(80°-90°)	587.5	3.6			G4/750
BL	(0°-30°)	887.5	5.4	B2/1000		
BM	(30°-60°)	1931.8	11.7	B2/2500		
BH	(60°-80°)	834.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	71.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2179.4	2048.9	2051.4	2047.7	2047.7	2045.2	2047.7	2045.2	2042.8	2042.8	2044.0
5°	2207.8	2063.7	2063.7	2060.0	2057.5	2055.1	2057.5	2055.1	2053.9	2051.4	2052.6
7.5°	2234.9	2072.3	2067.4	2062.5	2056.3	2058.8	2058.8	2057.5	2058.8	2057.5	2060.0
10°	2279.2	2100.6	2088.3	2077.2	2076.0	2073.6	2073.6	2069.9	2069.9	2067.4	2068.6
12.5°	2392.5	2188.1	2174.5	2154.8	2151.1	2140.0	2133.9	2126.5	2114.2	2103.1	2094.5
15°	2583.3	2333.4	2307.5	2290.3	2282.9	2260.7	2226.2	2199.1	2163.4	2132.7	2100.6
17.5°	2817.3	2527.9	2497.1	2475.0	2438.0	2377.7	2319.8	2253.3	2184.4	2121.6	2063.7
20°	3144.8	2807.4	2747.1	2694.1	2601.8	2498.4	2390.0	2274.3	2168.4	2069.9	1984.9
22.5°	3588.1	3168.2	3056.2	2914.5	2743.4	2568.5	2396.2	2236.1	2094.5	1966.4	1853.1
25°	4097.9	3513.0	3311.0	3067.2	2805.0	2563.6	2337.1	2131.4	1966.4	1801.4	1678.3
27.5°	4473.4	3801.1	3503.1	3183.0	2848.1	2540.2	2261.9	2013.2	1813.7	1645.1	1496.1
30°	4687.7	3966.1	3607.8	3232.2	2855.4	2500.8	2167.1	1879.0	1648.7	1448.0	1305.2
32.5°	4825.6	4054.8	3618.9	3183.0	2766.8	2383.8	2023.1	1723.9	1473.9	1259.6	1108.2
35°	4941.3	4090.5	3567.2	3073.4	2599.3	2206.5	1838.4	1539.2	1274.4	1077.4	922.3
37.5°	4988.1	4084.3	3484.7	2926.9	2435.6	2013.2	1650.0	1343.4	1107.0	933.3	800.4
40°	4979.5	4027.7	3372.6	2770.5	2243.5	1811.3	1450.5	1180.8	988.8	842.2	745.0
42.5°	4921.6	3952.6	3248.2	2611.6	2067.4	1643.8	1315.1	1076.2	921.0	810.2	725.3
45°	4849.0	3862.7	3135.0	2466.3	1928.3	1524.4	1236.3	1046.6	912.4	806.5	715.4
47.5°	4750.5	3762.9	3020.4	2362.9	1854.4	1488.7	1235.0	1063.9	919.8	797.9	698.2
50°	4643.3	3690.3	2957.6	2318.6	1845.8	1510.8	1278.1	1091.0	924.7	789.3	674.8
52.5°	4568.2	3658.3	2956.4	2334.6	1891.3	1572.4	1328.6	1125.4	943.2	794.2	669.8
55°	4475.9	3653.3	2988.4	2403.5	1991.1	1677.1	1408.6	1184.5	981.4	812.7	673.5
57.5°	4482.0	3750.6	3112.8	2573.5	2170.8	1818.7	1510.8	1257.2	1018.3	823.8	667.4
60°	4676.6	3977.2	3357.8	2864.1	2406.0	1984.9	1615.5	1296.6	1015.8	799.1	637.8
62.5°	5078.0	4317.0	3724.8	3205.1	2644.9	2113.0	1653.7	1285.5	978.9	746.2	589.8
65°	5557.0	4714.7	4081.8	3469.9	2790.2	2142.5	1620.4	1223.9	905.0	677.2	531.9
67.5°	6036.0	4996.7	4287.5	3545.0	2731.1	2023.1	1497.3	1086.0	779.4	583.6	466.7
70°	6208.3	5054.6	4271.5	3376.3	2462.7	1726.3	1232.6	874.2	625.5	477.8	392.8
72.5°	5949.8	4692.6	3797.4	2869.0	2002.1	1338.5	903.8	645.2	477.8	374.3	320.1
75°	4990.6	3778.9	3002.0	2161.0	1445.6	946.9	652.6	470.4	359.5	296.7	256.1
77.5°	3557.3	2631.3	2045.2	1419.7	938.3	656.3	467.9	353.4	285.7	237.6	208.1
80°	2234.9	1615.5	1246.1	852.1	584.9	445.7	336.2	279.5	230.3	193.3	173.6
82.5°	1345.8	940.7	733.9	529.5	384.2	305.4	247.5	219.2	183.5	160.1	149.0
85°	913.6	692.0	481.4	312.8	231.5	179.8	168.7	151.5	136.7	114.5	110.8
87.5°	174.8	247.5	215.5	128.1	85.0	72.6	64.0	61.6	55.4	44.3	50.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2036.6	2034.2	2029.2	2029.2	2025.5	2018.1	2016.9	2012.0	2005.8	2007.1	2005.8
5°	2044.0	2039.1	2032.9	2030.5	2025.5	2018.1	2014.5	2008.3	2002.1	2002.1	2002.1
7.5°	2052.6	2046.5	2041.5	2032.9	2023.1	2015.7	2005.8	1998.4	1994.7	1993.5	1994.7
10°	2060.0	2056.3	2048.9	2036.6	2023.1	2008.3	1998.4	1988.6	1978.7	1980.0	1981.2
12.5°	2076.0	2063.7	2044.0	2025.5	2004.6	1986.1	1968.9	1956.6	1944.3	1944.3	1945.5
15°	2064.9	2029.2	2002.1	1966.4	1943.0	1913.5	1893.8	1882.7	1875.3	1872.8	1874.1
17.5°	1999.7	1956.6	1915.9	1883.9	1851.9	1828.5	1819.9	1812.5	1802.7	1807.6	1802.7
20°	1901.2	1848.2	1790.3	1752.2	1714.0	1698.0	1683.2	1675.8	1669.7	1691.8	1691.8
22.5°	1759.6	1695.5	1636.4	1589.6	1546.5	1529.3	1514.5	1505.9	1509.6	1536.7	1539.2
25°	1581.0	1503.4	1425.9	1397.6	1354.5	1340.9	1332.3	1331.1	1334.8	1361.8	1368.0
27.5°	1391.4	1310.1	1243.6	1178.4	1158.7	1147.6	1131.6	1150.1	1153.8	1183.3	1195.6
30°	1189.5	1102.0	1031.9	988.8	946.9	953.0	939.5	961.7	971.5	1002.3	1012.2
32.5°	982.6	900.1	829.9	786.8	757.3	761.0	751.1	770.8	780.7	817.6	836.1
35°	812.7	742.5	685.8	648.9	635.4	621.8	619.4	621.8	631.7	660.0	693.2
37.5°	715.4	657.5	616.9	589.8	571.3	562.7	557.8	557.8	557.8	563.9	580.0
40°	673.5	621.8	586.1	560.3	547.9	543.0	539.3	535.6	529.5	527.0	528.2
42.5°	655.1	596.0	557.8	538.1	530.7	530.7	530.7	528.2	522.1	515.9	509.8
45°	636.6	572.6	534.4	520.9	517.2	518.4	518.4	518.4	513.5	506.1	495.0
47.5°	613.2	546.7	508.5	499.9	499.9	503.6	504.8	504.8	499.9	492.5	483.9
50°	584.9	513.5	479.0	471.6	467.9	467.9	467.9	467.9	464.2	459.3	453.1
52.5°	570.1	495.0	459.3	451.9	451.9	448.2	447.0	443.3	439.6	435.9	427.3
55°	565.2	487.6	450.7	444.5	444.5	440.8	437.1	433.4	427.3	421.1	412.5
57.5°	551.6	471.6	439.6	434.7	434.7	432.2	428.5	424.8	418.7	410.0	398.9
60°	520.9	444.5	417.4	416.2	416.2	415.0	412.5	412.5	406.3	397.7	384.2
62.5°	481.4	416.2	390.3	390.3	389.1	387.9	382.9	381.7	374.3	363.2	350.9
65°	443.3	391.6	374.3	369.4	366.9	363.2	360.8	354.6	348.5	338.6	326.3
67.5°	395.3	354.6	343.5	338.6	333.7	330.0	326.3	322.6	315.2	307.8	298.0
70°	343.5	314.0	307.8	306.6	300.4	296.7	295.5	291.8	284.4	277.0	264.7
72.5°	294.3	277.0	272.1	272.1	264.7	259.8	257.3	256.1	251.2	245.0	234.0
75°	237.6	225.3	224.1	230.3	230.3	226.6	224.1	226.6	219.2	215.5	204.4
77.5°	194.5	188.4	184.7	187.2	194.5	190.9	185.9	185.9	185.9	179.8	176.1
80°	165.0	160.1	156.4	158.8	157.6	156.4	153.9	149.0	149.0	149.0	147.8
82.5°	149.0	147.8	134.2	134.2	129.3	125.6	123.1	120.7	118.2	118.2	124.4
85°	112.1	115.7	108.4	107.1	101.0	96.0	91.1	88.7	86.2	89.9	102.2
87.5°	54.2	54.2	51.7	57.9	52.9	50.5	46.8	44.3	46.8	57.9	69.0
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°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2003.4	2002.1	2000.9	1998.4	1993.5	1992.3	1989.8	1989.8	1988.6	1986.1	1988.6
5°	1999.7	2002.1	2002.1	2000.9	1997.2	1999.7	1999.7	2003.4	2003.4	2005.8	2012.0
7.5°	1994.7	2000.9	2005.8	2009.5	2014.5	2018.1	2025.5	2036.6	2041.5	2050.2	2053.9
10°	1984.9	1996.0	2004.6	2015.7	2028.0	2041.5	2052.6	2069.9	2076.0	2088.3	2094.5
12.5°	1956.6	1975.0	1989.8	2012.0	2032.9	2053.9	2073.6	2095.7	2106.8	2120.3	2129.0
15°	1887.6	1908.6	1929.5	1949.2	1986.1	2026.8	2058.8	2088.3	2104.3	2121.6	2130.2
17.5°	1805.1	1818.7	1835.9	1861.8	1897.5	1933.2	1984.9	2026.8	2051.4	2071.1	2073.6
20°	1709.1	1728.8	1741.1	1750.9	1779.3	1803.9	1859.3	1907.3	1939.3	1962.7	1968.9
22.5°	1562.6	1583.5	1604.4	1611.8	1634.0	1666.0	1696.8	1748.5	1794.0	1828.5	1849.5
25°	1395.1	1414.8	1443.1	1465.3	1470.2	1496.1	1526.8	1585.9	1632.7	1688.1	1712.8
27.5°	1227.6	1244.9	1275.7	1288.0	1302.7	1328.6	1353.2	1402.5	1451.7	1515.8	1542.9
30°	1031.9	1068.8	1104.5	1127.9	1140.2	1171.0	1188.2	1236.3	1281.8	1328.6	1368.0
32.5°	864.4	897.6	938.3	967.8	982.6	1006.0	1033.1	1073.7	1109.4	1155.0	1200.5
35°	710.5	756.0	783.1	809.0	847.2	858.2	885.3	922.3	943.2	992.4	1044.2
37.5°	602.1	629.2	656.3	682.2	714.2	728.9	754.8	785.6	810.2	839.8	886.6
40°	535.6	550.4	570.1	587.3	610.7	629.2	642.8	668.6	687.1	716.6	749.9
42.5°	504.8	508.5	511.0	523.3	535.6	547.9	562.7	573.8	596.0	618.1	639.1
45°	487.6	480.2	476.5	477.8	482.7	490.1	502.4	514.7	529.5	543.0	555.3
47.5°	472.8	463.0	451.9	445.7	447.0	449.4	459.3	469.1	476.5	487.6	492.5
50°	438.4	429.7	419.9	411.3	412.5	413.7	422.3	429.7	434.7	438.4	444.5
52.5°	416.2	403.9	395.3	386.6	385.4	389.1	396.5	403.9	406.3	408.8	410.0
55°	400.2	387.9	376.8	368.2	364.5	373.1	375.6	385.4	389.1	389.1	390.3
57.5°	387.9	373.1	362.0	353.4	347.2	353.4	359.5	370.6	371.9	369.4	369.4
60°	369.4	358.3	347.2	338.6	332.5	337.4	342.3	354.6	354.6	348.5	347.2
62.5°	337.4	331.2	323.8	320.1	318.9	323.8	327.5	337.4	333.7	326.3	323.8
65°	314.0	309.1	301.7	299.2	298.0	305.4	306.6	312.8	307.8	304.1	302.9
67.5°	285.7	282.0	278.3	277.0	273.4	273.4	275.8	279.5	277.0	277.0	278.3
70°	253.7	248.7	245.0	246.3	243.8	243.8	245.0	247.5	246.3	248.7	251.2
72.5°	224.1	217.9	216.7	216.7	214.3	215.5	215.5	216.7	219.2	220.4	226.6
75°	195.8	189.6	189.6	188.4	188.4	188.4	189.6	192.1	194.5	195.8	198.2
77.5°	169.9	166.2	167.5	166.2	166.2	166.2	166.2	169.9	171.2	172.4	176.1
80°	146.5	146.5	147.8	147.8	146.5	145.3	146.5	149.0	150.2	151.5	152.7
82.5°	133.0	134.2	134.2	134.2	128.1	125.6	129.3	131.8	134.2	135.4	137.9
85°	114.5	109.6	114.5	113.3	104.7	103.4	103.4	104.7	107.1	104.7	104.7
87.5°	73.9	66.5	70.2	70.2	61.6	50.5	64.0	69.0	61.6	65.3	65.3
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°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	1992.3	1989.8	1991.1	1991.1	1993.5	1989.8	1994.7	1999.7	2000.9	2000.9	2002.1
5°	2018.1	2015.7	2024.3	2020.6	2029.2	2028.0	2034.2	2039.1	2041.5	2041.5	2041.5
7.5°	2058.8	2067.4	2072.3	2085.9	2087.1	2094.5	2100.6	2106.8	2104.3	2105.6	2104.3
10°	2104.3	2115.4	2127.7	2141.3	2142.5	2151.1	2161.0	2167.1	2164.7	2163.4	2159.7
12.5°	2143.7	2151.1	2165.9	2179.4	2186.8	2200.4	2210.2	2215.2	2215.2	2211.5	2207.8
15°	2141.3	2152.4	2168.4	2188.1	2201.6	2221.3	2238.6	2249.6	2250.9	2247.2	2245.9
17.5°	2087.1	2103.1	2117.9	2145.0	2169.6	2196.7	2225.0	2241.0	2255.8	2264.4	2269.3
20°	1989.8	2009.5	2030.5	2066.2	2099.4	2135.1	2168.4	2191.8	2213.9	2239.8	2270.6
22.5°	1875.3	1904.9	1934.4	1980.0	2020.6	2061.2	2099.4	2127.7	2162.2	2206.5	2264.4
25°	1741.1	1771.9	1808.8	1861.8	1913.5	1972.6	2029.2	2085.9	2152.4	2228.7	2318.6
27.5°	1582.3	1616.7	1664.8	1728.8	1787.9	1848.2	1936.9	2026.8	2135.1	2233.6	2335.8
30°	1424.6	1469.0	1520.7	1584.7	1643.8	1730.0	1818.7	1929.5	2044.0	2154.8	2276.7
32.5°	1254.7	1310.1	1374.2	1427.1	1493.6	1581.0	1669.7	1787.9	1909.8	2040.3	2174.5
35°	1091.0	1143.9	1194.4	1253.5	1320.0	1402.5	1488.7	1602.0	1755.9	1895.0	2055.1
37.5°	924.7	974.0	1009.7	1056.5	1114.4	1205.5	1297.8	1428.3	1573.6	1744.8	1904.9
40°	779.4	820.1	860.7	897.6	946.9	1033.1	1131.6	1259.6	1402.5	1568.7	1747.3
42.5°	663.7	694.5	738.8	783.1	825.0	898.9	991.2	1116.8	1258.4	1428.3	1606.9
45°	566.4	587.3	623.1	660.0	711.7	773.3	861.9	990.0	1134.1	1305.2	1493.6
47.5°	496.2	506.1	530.7	568.9	616.9	677.2	753.6	869.3	1009.7	1182.1	1380.3
50°	448.2	459.3	471.6	503.6	546.7	608.3	671.1	772.0	900.1	1068.8	1265.8
52.5°	415.0	419.9	424.8	444.5	483.9	535.6	602.1	678.5	807.8	969.1	1146.4
55°	395.3	396.5	400.2	410.0	439.6	487.6	545.5	618.1	719.1	871.8	1052.8
57.5°	371.9	374.3	378.0	384.2	402.6	445.7	495.0	554.1	637.8	765.9	939.5
60°	349.7	355.9	362.0	365.7	375.6	401.4	443.3	490.1	557.8	653.8	791.7
62.5°	326.3	333.7	338.6	342.3	346.0	362.0	392.8	423.6	465.4	528.2	631.7
65°	305.4	310.3	314.0	316.5	318.9	323.8	337.4	349.7	362.0	400.2	475.3
67.5°	282.0	284.4	285.7	286.9	285.7	285.7	286.9	291.8	296.7	311.5	347.2
70°	254.9	258.6	258.6	259.8	259.8	256.1	256.1	256.1	256.1	259.8	279.5
72.5°	229.0	234.0	234.0	235.2	234.0	232.7	232.7	232.7	236.4	238.9	246.3
75°	204.4	209.3	208.1	209.3	210.6	210.6	213.0	214.3	217.9	219.2	224.1
77.5°	179.8	183.5	184.7	183.5	185.9	188.4	193.3	195.8	197.0	198.2	199.5
80°	156.4	158.8	157.6	153.9	160.1	163.8	171.2	179.8	177.3	178.5	181.0
82.5°	129.3	125.6	123.1	125.6	129.3	134.2	141.6	152.7	153.9	160.1	158.8
85°	99.7	88.7	87.4	93.6	92.3	98.5	110.8	119.4	126.8	133.0	126.8
87.5°	59.1	52.9	44.3	41.9	45.6	60.3	62.8	76.3	82.5	85.0	76.3
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°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2.5°	2114.2	2120.3	2120.3	2122.8	2126.5	2127.7	2132.7	2141.3	2142.5	2142.5	2146.2
5°	2153.6	2159.7	2159.7	2164.7	2165.9	2172.1	2178.2	2188.1	2193.0	2191.8	2207.8
7.5°	2217.6	2212.7	2209.0	2216.4	2220.1	2227.5	2239.8	2248.4	2257.0	2270.6	2292.7
10°	2271.8	2264.4	2260.7	2265.6	2268.1	2276.7	2284.1	2296.4	2317.4	2338.3	2365.4
12.5°	2316.1	2307.5	2297.7	2300.1	2303.8	2314.9	2327.2	2343.2	2374.0	2401.1	2441.7
15°	2353.1	2340.8	2330.9	2335.8	2344.4	2359.2	2380.2	2408.5	2459.0	2505.7	2559.9
17.5°	2388.8	2386.3	2382.6	2398.6	2404.8	2439.3	2470.0	2521.8	2590.7	2660.9	2738.5
20°	2423.3	2450.3	2463.9	2495.9	2515.6	2562.4	2609.2	2672.0	2759.4	2855.4	2961.3
22.5°	2471.3	2545.2	2590.7	2656.0	2689.2	2739.7	2808.7	2891.2	2988.4	3111.6	3247.0
25°	2585.8	2694.1	2785.3	2887.5	2971.2	3048.8	3131.3	3231.0	3371.4	3483.4	3660.7
27.5°	2636.3	2789.0	2925.6	3069.7	3195.3	3314.7	3445.3	3565.9	3732.2	3883.6	4097.9
30°	2588.2	2760.6	2937.9	3126.3	3309.8	3490.8	3680.4	3865.1	4057.2	4269.0	4496.8
32.5°	2499.6	2692.9	2892.4	3114.0	3341.8	3577.0	3823.3	4091.7	4362.6	4626.1	4858.8
35°	2409.7	2617.8	2839.4	3093.1	3361.5	3653.3	3958.7	4298.6	4656.9	4990.6	5294.7
37.5°	2279.2	2508.2	2761.9	3054.9	3373.8	3733.4	4126.2	4544.8	4998.0	5457.2	5856.2
40°	2121.6	2364.1	2641.2	2978.6	3361.5	3815.9	4326.9	4863.7	5446.2	6006.4	6496.5
42.5°	1977.5	2213.9	2509.4	2876.4	3329.5	3888.5	4517.7	5186.3	5875.9	6502.6	7142.9
45°	1850.7	2111.7	2408.5	2805.0	3313.5	3950.1	4659.3	5427.7	6217.0	6963.2	7719.2
47.5°	1734.9	2005.8	2338.3	2765.6	3306.1	3987.0	4757.8	5585.3	6459.5	7316.5	8194.5
50°	1615.5	1879.0	2234.9	2722.5	3287.6	3985.8	4809.6	5692.4	6629.5	7591.1	8522.0
52.5°	1487.4	1752.2	2109.3	2643.7	3248.2	3963.6	4823.1	5765.1	6763.7	7759.8	8800.3
55°	1370.5	1618.0	1975.0	2511.9	3165.7	3909.5	4792.3	5795.9	6858.5	7927.3	8996.1
57.5°	1236.3	1493.6	1833.4	2330.9	3010.6	3813.4	4704.9	5752.8	6885.6	8039.3	9151.2
60°	1051.6	1304.0	1653.7	2116.7	2768.0	3610.2	4542.4	5622.2	6799.4	8059.0	9262.0
62.5°	839.8	1057.7	1395.1	1821.1	2426.9	3291.3	4241.9	5329.2	6531.0	7874.3	9205.4
65°	624.3	769.6	1060.2	1434.5	2031.7	2811.1	3758.0	4837.9	6006.4	7360.9	8849.5
67.5°	434.7	539.3	717.9	996.1	1477.6	2170.8	3067.2	4070.8	5195.0	6410.3	8110.7
70°	328.8	376.8	474.1	629.2	956.7	1478.8	2229.9	3123.9	4166.8	5337.8	6939.8
72.5°	280.7	305.4	359.5	431.0	586.1	898.9	1400.0	2149.9	3074.6	4027.7	5324.3
75°	252.4	273.4	307.8	353.4	415.0	545.5	821.3	1360.6	2036.6	2697.8	3714.9
77.5°	229.0	247.5	278.3	301.7	334.9	392.8	523.3	813.9	1220.2	1667.2	2305.0
80°	204.4	215.5	243.8	267.2	293.1	326.3	375.6	511.0	700.6	987.5	1359.4
82.5°	174.8	183.5	204.4	236.4	256.1	269.7	284.4	338.6	419.9	535.6	754.8
85°	135.4	141.6	160.1	183.5	192.1	193.3	195.8	210.6	261.0	401.4	650.1
87.5°	69.0	76.3	96.0	103.4	87.4	94.8	96.0	102.2	135.4	220.4	224.1
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	0°
2.5°	2146.2	2149.9	2158.5	2157.3	2163.4	2163.4	2163.4	2169.6	2165.9	2169.6	2175.8	2.5°
5°	2207.8	2213.9	2226.2	2226.2	2227.5	2223.8	2231.2	2236.1	2229.9	2227.5	2228.7	5°
7.5°	2297.7	2307.5	2317.4	2327.2	2334.6	2330.9	2332.1	2321.1	2318.6	2310.0	2298.9	7.5°
10°	2385.1	2412.2	2430.6	2447.9	2449.1	2445.4	2446.6	2428.2	2424.5	2407.2	2396.2	10°
12.5°	2475.0	2509.4	2539.0	2557.5	2568.5	2571.0	2572.2	2572.2	2555.0	2540.2	2514.4	12.5°
15°	2607.9	2668.3	2713.8	2733.5	2749.6	2764.3	2768.0	2772.9	2759.4	2739.7	2736.0	15°
17.5°	2818.5	2875.1	2935.5	2988.4	3024.1	3026.6	3057.4	3054.9	3083.2	3061.1	3054.9	17.5°
20°	3068.5	3191.6	3254.4	3324.6	3365.2	3384.9	3456.3	3434.2	3455.1	3490.8	3455.1	20°
22.5°	3381.2	3537.6	3628.7	3724.8	3791.3	3839.3	3891.0	3931.6	3988.3	4015.4	3990.7	22.5°
25°	3796.2	3974.7	4083.1	4216.1	4322.0	4408.1	4498.0	4606.4	4605.2	4670.4	4716.0	25°
27.5°	4272.7	4500.5	4658.1	4892.1	4983.2	5128.5	5282.4	5449.9	5479.4	5564.4	5607.5	27.5°
30°	4720.9	5002.9	5315.6	5593.9	5909.1	6124.6	6303.2	6421.4	6599.9	6555.6	6531.0	30°
32.5°	5134.6	5510.2	5955.9	6412.7	6912.7	7253.7	7569.0	7715.5	7826.3	7591.1	7279.6	32.5°
35°	5671.5	6120.9	6630.7	7194.6	7830.0	8313.9	8639.0	8684.5	8621.7	8320.1	7804.1	35°
37.5°	6336.4	6808.0	7388.0	7983.9	8658.7	9113.0	9483.7	9550.2	9383.9	8845.8	8304.1	37.5°
40°	6992.7	7545.6	8174.8	8880.3	9579.7	10079.6	10451.5	10471.2	10200.3	9571.1	8937.0	40°
42.5°	7710.6	8315.1	9015.8	9797.7	10520.5	11026.5	11295.0	11379.9	10997.0	10190.5	9582.2	42.5°
45°	8329.9	9052.7	9833.4	10664.5	11420.6	11900.8	12174.1	12147.0	11684.1	10887.4	10174.5	45°
47.5°	8933.3	9728.7	10551.2	11434.1	12185.2	12670.4	12951.1	12926.5	12339.1	11421.8	10637.4	47.5°
50°	9470.1	10333.3	11212.5	12155.7	12904.3	13348.8	13692.4	13584.0	12841.5	11851.5	10935.4	50°
52.5°	9843.2	10806.1	11724.7	12744.2	13515.0	13936.2	14373.3	14024.8	13138.3	12115.0	11095.5	52.5°
55°	10079.6	11131.2	12089.2	13217.1	13974.3	14477.9	14759.9	14264.9	13252.8	12187.7	11150.9	55°
57.5°	10239.7	11309.7	12303.4	13490.4	14388.1	14810.4	14879.3	14273.5	13178.9	12073.2	11095.5	57.5°
60°	10318.5	11362.7	12400.7	13682.5	14678.6	14910.1	14784.5	14074.1	12924.0	11737.0	10738.4	60°
62.5°	10309.9	11296.2	12350.2	13746.5	14736.5	14766.1	14480.4	13734.2	12454.9	11031.5	10144.9	62.5°
65°	10090.7	11053.6	12065.8	13508.9	14466.9	14340.0	13980.5	13096.4	11542.5	10110.4	9662.2	65°
67.5°	9459.1	10382.5	11322.0	12730.7	13707.1	13584.0	13039.7	11842.9	10482.3	9295.3	9053.9	67.5°
70°	8402.6	9185.7	10010.7	11248.2	12272.6	12106.4	11154.6	10426.9	9432.0	8353.3	8269.6	70°
72.5°	7024.7	7618.2	8216.6	9137.7	9843.2	9503.4	8905.0	8866.8	8062.7	7239.0	7256.2	72.5°
75°	5494.2	5939.9	6219.4	6761.2	7230.3	6926.2	6961.9	7173.7	6909.0	6260.1	6049.5	75°
77.5°	3980.9	4408.1	4496.8	4818.2	5148.2	5494.2	5952.2	6450.9	6534.6	6170.2	5406.8	77.5°
80°	2605.5	3075.9	2901.0	3015.5	3479.7	4111.4	4947.5	5768.8	6050.7	5723.2	4783.7	80°
82.5°	1536.7	2195.5	1917.2	2113.0	2407.2	2957.6	3535.1	4154.5	4626.1	4277.6	3995.7	82.5°
85°	1167.3	1731.2	1833.4	2071.1	2167.1	2190.5	2291.5	2493.4	2737.2	2828.4	2821.0	85°
87.5°	608.3	1345.8	1510.8	1397.6	1304.0	1130.4	881.6	949.4	868.1	1187.0	1124.2	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°
2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5
2177.0	2173.3	2175.8	2177.0	2177.0	2177.0	2179.4
2227.5	2217.6	2213.9	2213.9	2212.7	2209.0	2207.8
2281.6	2264.4	2258.3	2250.9	2244.7	2241.0	2234.9
2378.9	2364.1	2333.4	2316.1	2300.1	2289.0	2279.2
2509.4	2488.5	2459.0	2436.8	2412.2	2404.8	2392.5
2711.4	2692.9	2667.1	2642.4	2627.7	2601.8	2583.3
3026.6	2989.7	2963.8	2931.8	2896.1	2843.1	2817.3
3441.6	3367.7	3316.0	3287.6	3216.2	3207.6	3144.8
3918.1	3895.9	3817.1	3782.6	3713.7	3686.6	3588.1
4631.0	4613.8	4452.5	4435.2	4329.3	4250.5	4097.9
5568.1	5426.5	5244.2	5117.4	4936.4	4733.2	4473.4
6386.9	6097.5	5819.2	5523.7	5273.8	4981.9	4687.7
6909.0	6521.1	6162.8	5859.9	5550.8	5203.6	4825.6
7367.0	6975.5	6585.1	6226.8	5852.5	5408.0	4941.3
7915.0	7525.9	7086.3	6582.7	6102.5	5558.2	4988.1
8476.5	8020.9	7471.7	6854.8	6251.4	5632.1	4979.5
9051.5	8469.1	7738.9	7035.8	6346.3	5643.2	4921.6
9518.2	8781.8	7937.1	7128.1	6366.0	5605.0	4849.0
9848.1	8982.5	8025.8	7160.2	6341.3	5544.7	4750.5
10036.5	9092.1	8048.0	7136.8	6290.8	5458.5	4643.3
10105.5	9125.4	8025.8	7088.7	6245.3	5366.1	4568.2
10098.1	9106.9	7944.5	6976.7	6123.4	5243.0	4475.9
9959.0	8935.7	7778.3	6842.5	6020.0	5186.3	4482.0
9722.6	8827.4	7729.0	6869.6	6074.1	5308.2	4676.6
9615.4	9044.1	8006.1	7140.5	6352.4	5656.7	5078.0
9555.1	9396.3	8402.6	7432.3	6682.4	6079.1	5557.0
9308.8	9497.2	8627.9	7598.5	6976.7	6502.6	6036.0
8911.1	9262.0	8456.8	7566.5	7139.2	6827.7	6208.3
8081.2	8451.8	7694.6	7094.9	6936.1	6832.6	5949.8
6547.0	6739.1	6308.1	6172.6	6231.7	6233.0	4990.6
4828.0	4712.3	4517.7	4527.6	4925.3	4863.7	3557.3
3941.5	3226.1	2950.3	3054.9	3546.2	3281.5	2234.9
3668.1	2877.6	2375.2	2399.9	2678.1	2114.2	1345.8
2966.3	2622.7	2103.1	1887.6	1832.2	1408.6	913.6
1241.2	1141.4	849.6	765.9	628.0	384.2	174.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)