

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: P159009

Luminaire Tested: **VTS-E06-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159009
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-E06-LED-E1-SLR-7030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

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

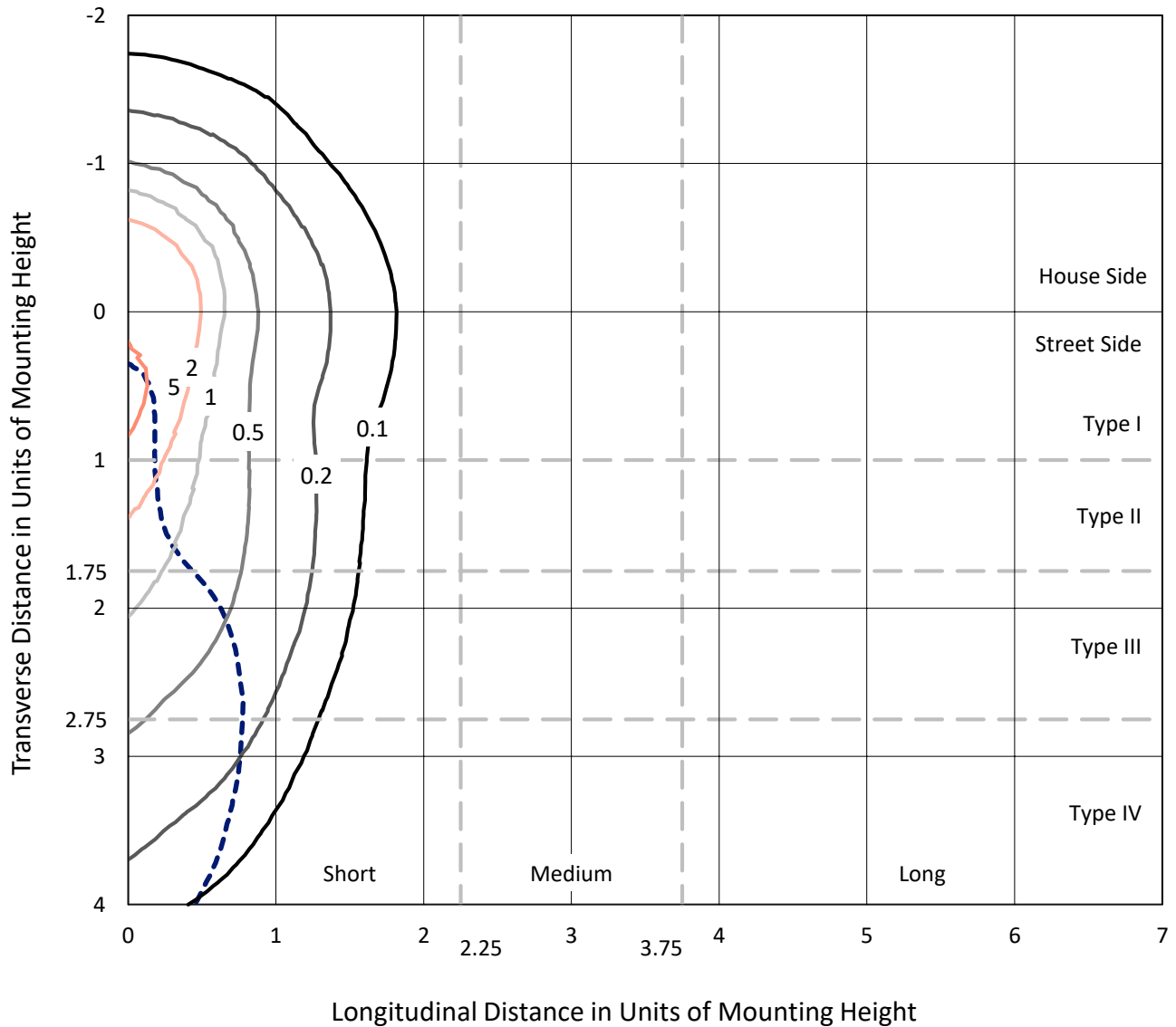
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

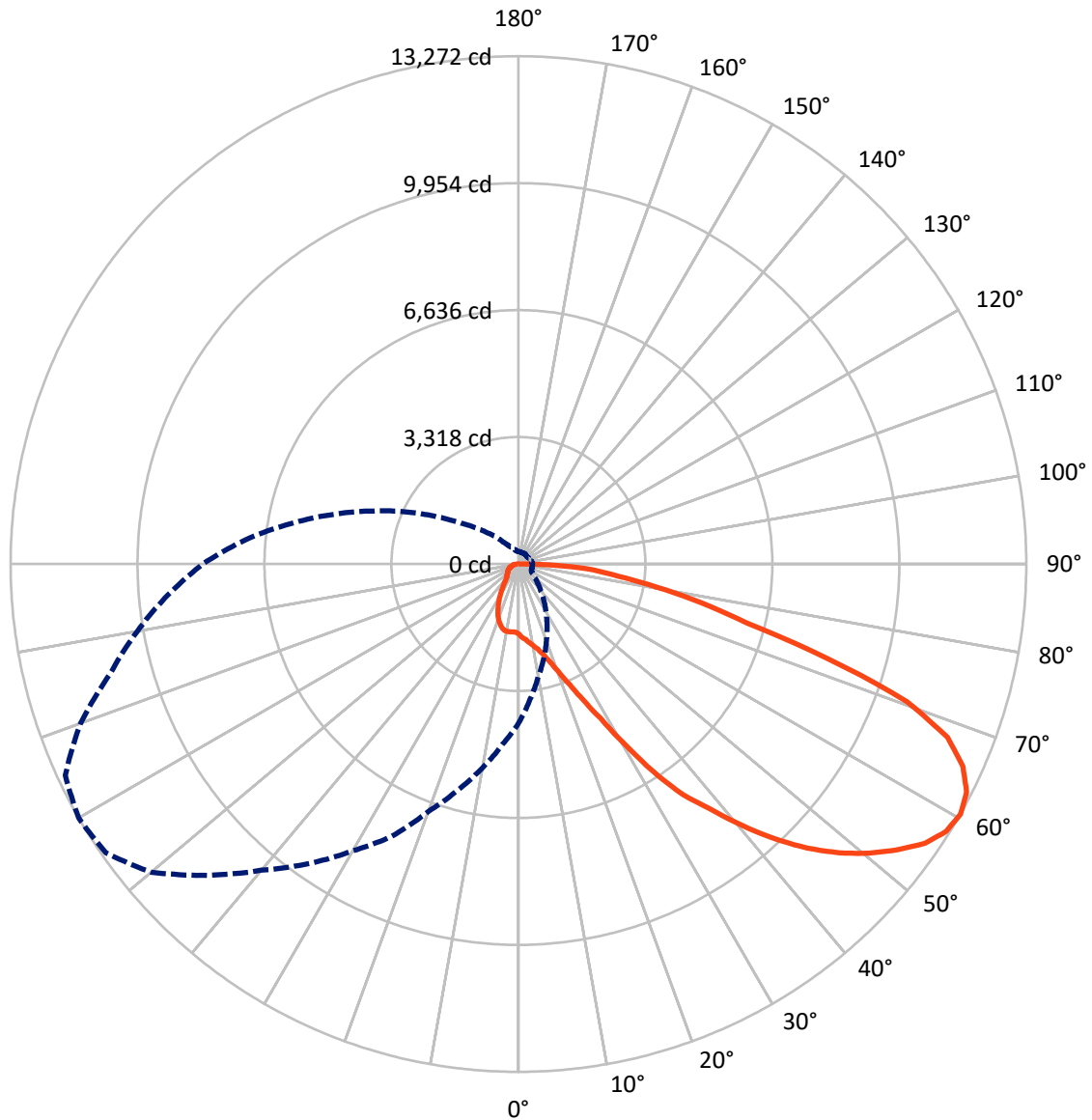
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 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	3316.0	0.0	3316.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	11410.6	0.0	11410.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	14726.6	0.0	14726.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

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



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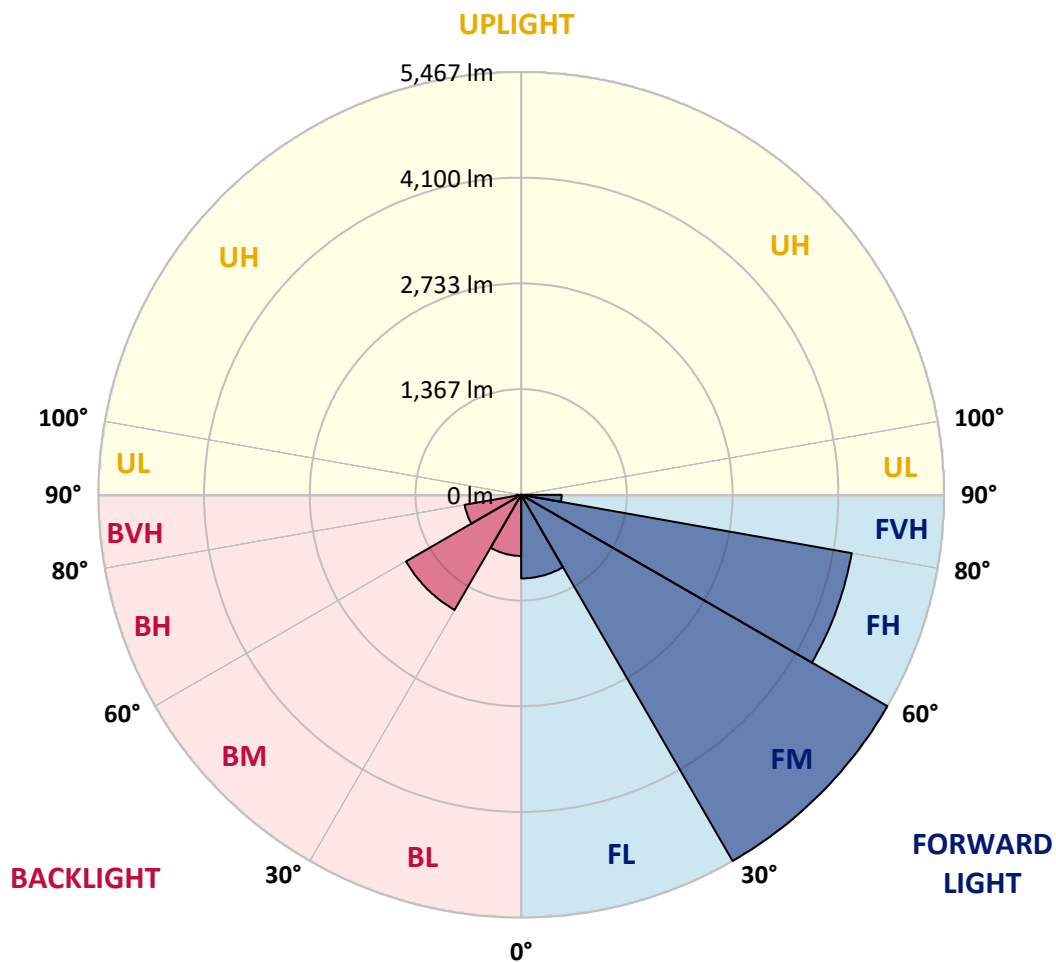
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.2	7.3			
FM (30°-60°)	5466.7	37.1			
FH (60°-80°)	4339.8	29.5			G2/5000
FVH (80°-90°)	522.9	3.6			G4/750
BL (0°-30°)	790.0	5.4	B2/1000		
BM (30°-60°)	1719.5	11.7	B2/2500		
BH (60°-80°)	742.6	5.0	B2/1000		G2/1000
BVH (80°-90°)	63.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1940.0	1823.8	1826.0	1822.7	1822.7	1820.5	1822.7	1820.5	1818.3	1818.3	1819.4
5°	1965.2	1836.9	1836.9	1833.6	1831.5	1829.3	1831.5	1829.3	1828.2	1826.0	1827.1
7.5°	1989.3	1844.6	1840.2	1835.8	1830.4	1832.5	1832.5	1831.5	1832.5	1831.5	1833.6
10°	2028.7	1869.8	1858.9	1849.0	1847.9	1845.7	1845.7	1842.4	1842.4	1840.2	1841.3
12.5°	2129.6	1947.6	1935.6	1918.0	1914.7	1904.9	1899.4	1892.8	1881.9	1872.0	1864.3
15°	2299.5	2077.0	2053.9	2038.6	2032.0	2012.3	1981.6	1957.5	1925.7	1898.3	1869.8
17.5°	2507.7	2250.1	2222.7	2203.0	2170.1	2116.4	2064.9	2005.7	1944.3	1888.4	1836.9
20°	2799.2	2498.9	2445.2	2398.1	2315.9	2223.8	2127.4	2024.3	1930.1	1842.4	1766.8
22.5°	3193.8	2820.1	2720.3	2594.3	2441.9	2286.3	2132.9	1990.4	1864.3	1750.3	1649.5
25°	3647.6	3126.9	2947.2	2730.2	2496.7	2281.9	2080.2	1897.2	1750.3	1603.5	1493.9
27.5°	3981.8	3383.4	3118.2	2833.2	2535.1	2261.1	2013.4	1792.0	1614.4	1464.3	1331.7
30°	4172.5	3530.3	3211.3	2877.1	2541.7	2226.0	1929.0	1672.5	1467.6	1288.9	1161.8
32.5°	4295.3	3609.2	3221.2	2833.2	2462.8	2121.9	1800.8	1534.4	1311.9	1121.2	986.4
35°	4398.3	3641.0	3175.2	2735.7	2313.7	1964.1	1636.4	1370.0	1134.4	959.0	820.9
37.5°	4440.0	3635.5	3101.7	2605.2	2167.9	1792.0	1468.7	1195.8	985.3	830.8	712.4
40°	4432.3	3585.1	3002.0	2466.0	1996.9	1612.2	1291.1	1051.1	880.1	749.7	663.1
42.5°	4380.8	3518.2	2891.3	2324.7	1840.2	1463.2	1170.5	957.9	819.8	721.2	645.6
45°	4316.1	3438.2	2790.5	2195.3	1716.4	1356.9	1100.4	931.6	812.2	717.9	636.8
47.5°	4228.4	3349.4	2688.5	2103.3	1650.6	1325.1	1099.3	947.0	818.7	710.2	621.4
50°	4133.1	3284.8	2632.6	2063.8	1642.9	1344.8	1137.7	971.1	823.1	702.5	600.6
52.5°	4066.2	3256.3	2631.5	2078.1	1683.5	1399.6	1182.6	1001.8	839.6	706.9	596.2
55°	3984.0	3251.9	2660.0	2139.4	1772.3	1492.8	1253.8	1054.4	873.5	723.4	599.5
57.5°	3989.5	3338.5	2770.7	2290.7	1932.3	1618.8	1344.8	1119.0	906.4	733.2	594.0
60°	4162.7	3540.1	2988.8	2549.3	2141.6	1766.8	1438.0	1154.1	904.2	711.3	567.7
62.5°	4520.0	3842.6	3315.5	2852.9	2354.3	1880.8	1472.0	1144.2	871.3	664.2	525.0
65°	4946.3	4196.7	3633.3	3088.6	2483.6	1907.1	1442.4	1089.4	805.6	602.8	473.5
67.5°	5372.7	4447.7	3816.3	3155.4	2431.0	1800.8	1332.8	966.7	693.8	519.5	415.4
70°	5526.1	4499.2	3802.1	3005.3	2192.0	1536.6	1097.1	778.2	556.8	425.3	349.6
72.5°	5296.0	4176.9	3380.1	2553.7	1782.1	1191.4	804.5	574.3	425.3	333.2	285.0
75°	4442.2	3363.7	2672.1	1923.5	1286.7	842.8	580.9	418.7	320.0	264.1	228.0
77.5°	3166.4	2342.2	1820.5	1263.7	835.2	584.2	416.5	314.6	254.3	211.5	185.2
80°	1989.3	1438.0	1109.2	758.4	520.6	396.8	299.2	248.8	205.0	172.1	154.5
82.5°	1198.0	837.4	653.2	471.3	342.0	271.8	220.3	195.1	163.3	142.5	132.6
85°	813.2	616.0	428.5	278.4	206.1	160.0	150.2	134.8	121.7	101.9	98.6
87.5°	155.6	220.3	191.8	114.0	75.6	64.7	57.0	54.8	49.3	39.5	44.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1812.8	1810.6	1806.2	1806.2	1803.0	1796.4	1795.3	1790.9	1785.4	1786.5	1785.4
5°	1819.4	1815.0	1809.5	1807.3	1803.0	1796.4	1793.1	1787.6	1782.1	1782.1	1782.1
7.5°	1827.1	1821.6	1817.2	1809.5	1800.8	1794.2	1785.4	1778.8	1775.6	1774.5	1775.6
10°	1833.6	1830.4	1823.8	1812.8	1800.8	1787.6	1778.8	1770.1	1761.3	1762.4	1763.5
12.5°	1847.9	1836.9	1819.4	1803.0	1784.3	1767.9	1752.5	1741.6	1730.6	1730.6	1731.7
15°	1838.0	1806.2	1782.1	1750.3	1729.5	1703.2	1685.7	1675.8	1669.2	1667.0	1668.1
17.5°	1779.9	1741.6	1705.4	1676.9	1648.4	1627.6	1619.9	1613.3	1604.6	1609.0	1604.6
20°	1692.3	1645.1	1593.6	1559.6	1525.7	1511.4	1498.3	1491.7	1486.2	1505.9	1505.9
22.5°	1566.2	1509.2	1456.6	1415.0	1376.6	1361.3	1348.1	1340.4	1343.7	1367.8	1370.0
25°	1407.3	1338.2	1269.2	1244.0	1205.6	1193.6	1185.9	1184.8	1188.1	1212.2	1217.7
27.5°	1238.5	1166.2	1107.0	1048.9	1031.4	1021.5	1007.2	1023.7	1027.0	1053.3	1064.2
30°	1058.8	980.9	918.5	880.1	842.8	848.3	836.3	856.0	864.8	892.2	900.9
32.5°	874.6	801.2	738.7	700.4	674.1	677.3	668.6	686.1	694.9	727.8	744.2
35°	723.4	660.9	610.5	577.6	565.5	553.5	551.3	553.5	562.3	587.5	617.1
37.5°	636.8	585.3	549.1	525.0	508.6	500.9	496.5	496.5	496.5	502.0	516.2
40°	599.5	553.5	521.7	498.7	487.7	483.3	480.1	476.8	471.3	469.1	470.2
42.5°	583.1	530.5	496.5	479.0	472.4	472.4	472.4	470.2	464.7	459.2	453.8
45°	566.6	509.6	475.7	463.6	460.3	461.4	461.4	461.4	457.0	450.5	440.6
47.5°	545.8	486.6	452.7	445.0	445.0	448.3	449.4	449.4	445.0	438.4	430.7
50°	520.6	457.0	426.4	419.8	416.5	416.5	416.5	416.5	413.2	408.8	403.3
52.5°	507.5	440.6	408.8	402.2	402.2	399.0	397.9	394.6	391.3	388.0	380.3
55°	503.1	434.0	401.1	395.7	395.7	392.4	389.1	385.8	380.3	374.8	367.2
57.5°	491.0	419.8	391.3	386.9	386.9	384.7	381.4	378.1	372.6	365.0	355.1
60°	463.6	395.7	371.6	370.5	370.5	369.4	367.2	367.2	361.7	354.0	342.0
62.5°	428.5	370.5	347.4	347.4	346.3	345.2	340.9	339.8	333.2	323.3	312.4
65°	394.6	348.5	333.2	328.8	326.6	323.3	321.1	315.7	310.2	301.4	290.4
67.5°	351.8	315.7	305.8	301.4	297.0	293.7	290.4	287.2	280.6	274.0	265.2
70°	305.8	279.5	274.0	272.9	267.4	264.1	263.0	259.8	253.2	246.6	235.6
72.5°	261.9	246.6	242.2	242.2	235.6	231.3	229.1	228.0	223.6	218.1	208.2
75°	211.5	200.6	199.5	205.0	205.0	201.7	199.5	201.7	195.1	191.8	181.9
77.5°	173.2	167.7	164.4	166.6	173.2	169.9	165.5	165.5	165.5	160.0	156.7
80°	146.9	142.5	139.2	141.4	140.3	139.2	137.0	132.6	132.6	132.6	131.5
82.5°	132.6	131.5	119.5	119.5	115.1	111.8	109.6	107.4	105.2	105.2	110.7
85°	99.7	103.0	96.4	95.4	89.9	85.5	81.1	78.9	76.7	80.0	91.0
87.5°	48.2	48.2	46.0	51.5	47.1	44.9	41.6	39.5	41.6	51.5	61.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1783.2	1782.1	1781.0	1778.8	1774.5	1773.4	1771.2	1771.2	1770.1	1767.9	1770.1
5°	1779.9	1782.1	1782.1	1781.0	1777.7	1779.9	1779.9	1783.2	1783.2	1785.4	1790.9
7.5°	1775.6	1781.0	1785.4	1788.7	1793.1	1796.4	1803.0	1812.8	1817.2	1824.9	1828.2
10°	1766.8	1776.6	1784.3	1794.2	1805.1	1817.2	1827.1	1842.4	1847.9	1858.9	1864.3
12.5°	1741.6	1758.0	1771.2	1790.9	1809.5	1828.2	1845.7	1865.4	1875.3	1887.3	1895.0
15°	1680.2	1698.8	1717.5	1735.0	1767.9	1804.0	1832.5	1858.9	1873.1	1888.4	1896.1
17.5°	1606.8	1618.8	1634.2	1657.2	1689.0	1720.8	1766.8	1804.0	1826.0	1843.5	1845.7
20°	1521.3	1538.8	1549.8	1558.5	1583.7	1605.7	1655.0	1697.7	1726.2	1747.1	1752.5
22.5°	1390.8	1409.5	1428.1	1434.7	1454.4	1482.9	1510.3	1556.3	1596.9	1627.6	1646.2
25°	1241.8	1259.3	1284.5	1304.3	1308.6	1331.7	1359.1	1411.7	1453.3	1502.6	1524.6
27.5°	1092.7	1108.1	1135.5	1146.4	1159.6	1182.6	1204.5	1248.4	1292.2	1349.2	1373.3
30°	918.5	951.3	983.1	1004.0	1014.9	1042.3	1057.7	1100.4	1141.0	1182.6	1217.7
32.5°	769.4	799.0	835.2	861.5	874.6	895.4	919.6	955.7	987.5	1028.1	1068.6
35°	632.4	673.0	697.1	720.1	754.1	763.9	788.0	820.9	839.6	883.4	929.4
37.5°	536.0	560.1	584.2	607.2	635.7	648.8	671.9	699.3	721.2	747.5	789.1
40°	476.8	489.9	507.5	522.8	543.6	560.1	572.1	595.1	611.6	637.9	667.5
42.5°	449.4	452.7	454.8	465.8	476.8	487.7	500.9	510.7	530.5	550.2	568.8
45°	434.0	427.4	424.2	425.3	429.6	436.2	447.2	458.1	471.3	483.3	494.3
47.5°	420.9	412.1	402.2	396.8	397.9	400.0	408.8	417.6	424.2	434.0	438.4
50°	390.2	382.5	373.7	366.1	367.2	368.3	375.9	382.5	386.9	390.2	395.7
52.5°	370.5	359.5	351.8	344.2	343.1	346.3	352.9	359.5	361.7	363.9	365.0
55°	356.2	345.2	335.4	327.7	324.4	332.1	334.3	343.1	346.3	346.3	347.4
57.5°	345.2	332.1	322.2	314.6	309.1	314.6	320.0	329.9	331.0	328.8	328.8
60°	328.8	318.9	309.1	301.4	295.9	300.3	304.7	315.7	315.7	310.2	309.1
62.5°	300.3	294.8	288.3	285.0	283.9	288.3	291.5	300.3	297.0	290.4	288.3
65°	279.5	275.1	268.5	266.3	265.2	271.8	272.9	278.4	274.0	270.7	269.6
67.5°	254.3	251.0	247.7	246.6	243.3	243.3	245.5	248.8	246.6	246.6	247.7
70°	225.8	221.4	218.1	219.2	217.0	217.0	218.1	220.3	219.2	221.4	223.6
72.5°	199.5	194.0	192.9	192.9	190.7	191.8	191.8	192.9	195.1	196.2	201.7
75°	174.3	168.8	168.8	167.7	167.7	167.7	168.8	171.0	173.2	174.3	176.5
77.5°	151.3	148.0	149.1	148.0	148.0	148.0	148.0	151.3	152.3	153.4	156.7
80°	130.4	130.4	131.5	131.5	130.4	129.3	130.4	132.6	133.7	134.8	135.9
82.5°	118.4	119.5	119.5	119.5	114.0	111.8	115.1	117.3	119.5	120.6	122.8
85°	101.9	97.5	101.9	100.8	93.2	92.1	92.1	93.2	95.4	93.2	93.2
87.5°	65.8	59.2	62.5	62.5	54.8	44.9	57.0	61.4	54.8	58.1	58.1
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1773.4	1771.2	1772.3	1772.3	1774.5	1771.2	1775.6	1779.9	1781.0	1781.0	1782.1
5°	1796.4	1794.2	1801.9	1798.6	1806.2	1805.1	1810.6	1815.0	1817.2	1817.2	1817.2
7.5°	1832.5	1840.2	1844.6	1856.7	1857.8	1864.3	1869.8	1875.3	1873.1	1874.2	1873.1
10°	1873.1	1883.0	1893.9	1906.0	1907.1	1914.7	1923.5	1929.0	1926.8	1925.7	1922.4
12.5°	1908.2	1914.7	1927.9	1940.0	1946.5	1958.6	1967.4	1971.7	1971.7	1968.5	1965.2
15°	1906.0	1915.8	1930.1	1947.6	1959.7	1977.2	1992.6	2002.4	2003.5	2000.2	1999.1
17.5°	1857.8	1872.0	1885.2	1909.3	1931.2	1955.3	1980.5	1994.8	2007.9	2015.6	2020.0
20°	1771.2	1788.7	1807.3	1839.1	1868.7	1900.5	1930.1	1950.9	1970.6	1993.7	2021.1
22.5°	1669.2	1695.5	1721.8	1762.4	1798.6	1834.7	1868.7	1893.9	1924.6	1964.1	2015.6
25°	1549.8	1577.2	1610.1	1657.2	1703.2	1755.8	1806.2	1856.7	1915.8	1983.8	2063.8
27.5°	1408.4	1439.1	1481.8	1538.8	1591.4	1645.1	1724.0	1804.0	1900.5	1988.2	2079.2
30°	1268.1	1307.6	1353.6	1410.6	1463.2	1539.9	1618.8	1717.5	1819.4	1918.0	2026.5
32.5°	1116.8	1166.2	1223.2	1270.3	1329.5	1407.3	1486.2	1591.4	1699.9	1816.1	1935.6
35°	971.1	1018.2	1063.1	1115.7	1174.9	1248.4	1325.1	1425.9	1562.9	1686.8	1829.3
37.5°	823.1	867.0	898.7	940.4	991.9	1073.0	1155.2	1271.4	1400.7	1553.1	1695.5
40°	693.8	729.9	766.1	799.0	842.8	919.6	1007.2	1121.2	1248.4	1396.3	1555.3
42.5°	590.8	618.2	657.6	697.1	734.3	800.1	882.3	994.1	1120.1	1271.4	1430.3
45°	504.2	522.8	554.6	587.5	633.5	688.3	767.2	881.2	1009.4	1161.8	1329.5
47.5°	441.7	450.5	472.4	506.4	549.1	602.8	670.8	773.8	898.7	1052.2	1228.6
50°	399.0	408.8	419.8	448.3	486.6	541.4	597.3	687.2	801.2	951.3	1126.7
52.5°	369.4	373.7	378.1	395.7	430.7	476.8	536.0	603.9	719.0	862.6	1020.4
55°	351.8	352.9	356.2	365.0	391.3	434.0	485.5	550.2	640.1	776.0	937.1
57.5°	331.0	333.2	336.5	342.0	358.4	396.8	440.6	493.2	567.7	681.7	836.3
60°	311.3	316.7	322.2	325.5	334.3	357.3	394.6	436.2	496.5	582.0	704.7
62.5°	290.4	297.0	301.4	304.7	308.0	322.2	349.6	377.0	414.3	470.2	562.3
65°	271.8	276.2	279.5	281.7	283.9	288.3	300.3	311.3	322.2	356.2	423.1
67.5°	251.0	253.2	254.3	255.4	254.3	254.3	255.4	259.8	264.1	277.3	309.1
70°	226.9	230.2	230.2	231.3	231.3	228.0	228.0	228.0	228.0	231.3	248.8
72.5°	203.9	208.2	208.2	209.3	208.2	207.1	207.1	207.1	210.4	212.6	219.2
75°	181.9	186.3	185.2	186.3	187.4	187.4	189.6	190.7	194.0	195.1	199.5
77.5°	160.0	163.3	164.4	163.3	165.5	167.7	172.1	174.3	175.4	176.5	177.6
80°	139.2	141.4	140.3	137.0	142.5	145.8	152.3	160.0	157.8	158.9	161.1
82.5°	115.1	111.8	109.6	111.8	115.1	119.5	126.0	135.9	137.0	142.5	141.4
85°	88.8	78.9	77.8	83.3	82.2	87.7	98.6	106.3	112.9	118.4	112.9
87.5°	52.6	47.1	39.5	37.3	40.6	53.7	55.9	68.0	73.4	75.6	68.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
2.5°	1881.9	1887.3	1887.3	1889.5	1892.8	1893.9	1898.3	1906.0	1907.1	1907.1	1910.4
5°	1916.9	1922.4	1922.4	1926.8	1927.9	1933.4	1938.9	1947.6	1952.0	1950.9	1965.2
7.5°	1973.9	1969.5	1966.3	1972.8	1976.1	1982.7	1993.7	2001.3	2009.0	2021.1	2040.8
10°	2022.2	2015.6	2012.3	2016.7	2018.9	2026.5	2033.1	2044.1	2062.7	2081.3	2105.5
12.5°	2061.6	2053.9	2045.2	2047.4	2050.7	2060.5	2071.5	2085.7	2113.1	2137.2	2173.4
15°	2094.5	2083.5	2074.8	2079.2	2086.8	2100.0	2118.6	2143.8	2188.8	2230.4	2278.6
17.5°	2126.3	2124.1	2120.8	2135.0	2140.5	2171.2	2198.6	2244.6	2306.0	2368.5	2437.5
20°	2157.0	2181.1	2193.1	2221.6	2239.2	2280.8	2322.5	2378.4	2456.2	2541.7	2635.9
22.5°	2199.7	2265.5	2306.0	2364.1	2393.7	2438.6	2500.0	2573.5	2660.0	2769.6	2890.2
25°	2301.6	2398.1	2479.2	2570.2	2644.7	2713.7	2787.2	2876.0	3000.9	3100.6	3258.5
27.5°	2346.6	2482.5	2604.1	2732.4	2844.2	2950.5	3066.7	3174.1	3322.0	3456.8	3647.6
30°	2303.8	2457.3	2615.1	2782.8	2946.1	3107.2	3276.0	3440.4	3611.4	3799.9	4002.7
32.5°	2224.9	2397.0	2574.6	2771.8	2974.6	3183.9	3403.1	3642.1	3883.2	4117.7	4324.9
35°	2144.9	2330.1	2527.4	2753.2	2992.1	3251.9	3523.7	3826.2	4145.1	4442.2	4712.9
37.5°	2028.7	2232.6	2458.4	2719.2	3003.1	3323.1	3672.8	4045.4	4448.7	4857.6	5212.7
40°	1888.4	2104.4	2351.0	2651.3	2992.1	3396.6	3851.4	4329.3	4847.7	5346.4	5782.6
42.5°	1760.2	1970.6	2233.7	2560.3	2963.6	3461.2	4021.3	4616.4	5230.2	5788.1	6358.0
45°	1647.3	1879.7	2143.8	2496.7	2949.4	3516.0	4147.3	4831.3	5533.8	6198.0	6871.0
47.5°	1544.3	1785.4	2081.3	2461.7	2942.8	3548.9	4235.0	4971.5	5749.7	6512.6	7294.0
50°	1438.0	1672.5	1989.3	2423.3	2926.4	3547.8	4281.1	5066.9	5901.0	6757.0	7585.6
52.5°	1324.0	1559.6	1877.5	2353.2	2891.3	3528.1	4293.1	5131.6	6020.4	6907.1	7833.3
55°	1219.9	1440.2	1758.0	2235.9	2817.9	3479.9	4265.7	5159.0	6104.8	7056.2	8007.5
57.5°	1100.4	1329.5	1632.0	2074.8	2679.8	3394.4	4187.9	5120.6	6128.9	7155.9	8145.6
60°	936.0	1160.7	1472.0	1884.1	2463.9	3213.5	4043.2	5004.4	6052.2	7173.5	8244.3
62.5°	747.5	941.5	1241.8	1621.0	2160.3	2929.7	3775.8	4743.6	5813.3	7009.1	8193.8
65°	555.7	685.0	943.7	1276.9	1808.4	2502.2	3345.1	4306.3	5346.4	6552.0	7877.1
67.5°	386.9	480.1	639.0	886.7	1315.2	1932.3	2730.2	3623.4	4624.1	5705.9	7219.5
70°	292.6	335.4	422.0	560.1	851.6	1316.3	1984.9	2780.6	3708.9	4751.2	6177.2
72.5°	249.9	271.8	320.0	383.6	521.7	800.1	1246.2	1913.7	2736.8	3585.1	4739.2
75°	224.7	243.3	274.0	314.6	369.4	485.5	731.0	1211.1	1812.8	2401.4	3306.7
77.5°	203.9	220.3	247.7	268.5	298.1	349.6	465.8	724.5	1086.2	1484.0	2051.8
80°	181.9	191.8	217.0	237.8	260.9	290.4	334.3	454.8	623.6	879.0	1210.0
82.5°	155.6	163.3	181.9	210.4	228.0	240.0	253.2	301.4	373.7	476.8	671.9
85°	120.6	126.0	142.5	163.3	171.0	172.1	174.3	187.4	232.4	357.3	578.7
87.5°	61.4	68.0	85.5	92.1	77.8	84.4	85.5	91.0	120.6	196.2	199.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	0°
2.5°	1910.4	1913.7	1921.3	1920.2	1925.7	1925.7	1925.7	1931.2	1927.9	1931.2	1936.7	2.5°
5°	1965.2	1970.6	1981.6	1981.6	1982.7	1979.4	1986.0	1990.4	1984.9	1982.7	1983.8	5°
7.5°	2045.2	2053.9	2062.7	2071.5	2078.1	2074.8	2075.9	2066.0	2063.8	2056.1	2046.3	7.5°
10°	2123.0	2147.1	2163.5	2178.9	2180.0	2176.7	2177.8	2161.4	2158.1	2142.7	2132.9	10°
12.5°	2203.0	2233.7	2260.0	2276.4	2286.3	2288.5	2289.6	2289.6	2274.2	2261.1	2238.1	12.5°
15°	2321.4	2375.1	2415.6	2433.2	2447.4	2460.6	2463.9	2468.2	2456.2	2438.6	2435.4	15°
17.5°	2508.8	2559.2	2612.9	2660.0	2691.8	2694.0	2721.4	2719.2	2744.4	2724.7	2719.2	17.5°
20°	2731.3	2840.9	2896.8	2959.3	2995.4	3013.0	3076.5	3056.8	3075.4	3107.2	3075.4	20°
22.5°	3009.7	3148.9	3230.0	3315.5	3374.6	3417.4	3463.4	3499.6	3550.0	3574.1	3552.2	22.5°
25°	3379.0	3538.0	3634.4	3752.8	3847.0	3923.8	4003.8	4100.2	4099.1	4157.2	4197.8	25°
27.5°	3803.2	4006.0	4146.2	4354.5	4435.6	4564.9	4701.9	4851.0	4877.3	4952.9	4991.3	27.5°
30°	4202.1	4453.1	4731.5	4979.2	5259.8	5451.6	5610.5	5715.7	5874.7	5835.2	5813.3	30°
32.5°	4570.4	4904.7	5301.5	5708.1	6153.1	6456.7	6737.2	6867.7	6966.3	6757.0	6479.7	32.5°
35°	5048.3	5448.3	5902.1	6404.0	6969.6	7400.3	7689.7	7730.2	7674.3	7405.8	6946.6	35°
37.5°	5640.1	6059.9	6576.1	7106.6	7707.2	8111.6	8441.5	8500.7	8352.8	7873.8	7391.6	37.5°
40°	6224.3	6716.4	7276.5	7904.5	8527.0	8972.0	9303.0	9320.6	9079.4	8519.4	7954.9	40°
42.5°	6863.3	7401.4	8025.1	8721.0	9364.4	9814.9	10053.8	10129.4	9788.6	9070.7	8529.2	42.5°
45°	7414.6	8057.9	8752.8	9492.6	10165.6	10593.0	10836.4	10812.2	10400.1	9691.0	9056.4	45°
47.5°	7951.6	8659.7	9391.8	10177.6	10846.2	11278.0	11527.9	11506.0	10983.2	10166.7	9468.5	47.5°
50°	8429.5	9197.8	9980.4	10819.9	11486.3	11882.0	12187.7	12091.3	11430.4	10549.2	9733.8	50°
52.5°	8761.6	9618.7	10436.3	11343.8	12029.9	12404.8	12793.8	12483.7	11694.5	10783.7	9876.2	52.5°
55°	8972.0	9908.0	10760.7	11764.7	12438.7	12887.0	13138.0	12697.4	11796.5	10848.4	9925.6	55°
57.5°	9114.5	10066.9	10951.4	12008.0	12807.0	13182.9	13244.3	12705.1	11730.7	10746.5	9876.2	57.5°
60°	9184.7	10114.1	11038.0	12179.0	13065.7	13271.7	13159.9	12527.5	11503.8	10447.3	9558.4	60°
62.5°	9177.0	10054.9	10993.1	12236.0	13117.2	13143.5	12889.2	12225.0	11086.2	9819.2	9030.1	62.5°
65°	8981.9	9839.0	10739.9	12024.4	12877.1	12764.3	12444.2	11657.3	10274.1	8999.4	8600.5	65°
67.5°	8419.6	9241.6	10077.9	11331.8	12200.9	12091.3	11606.9	10541.5	9330.4	8273.9	8059.0	67.5°
70°	7479.2	8176.3	8910.6	10012.1	10924.0	10776.1	9928.8	9281.1	8395.5	7435.4	7360.9	70°
72.5°	6252.8	6781.1	7313.7	8133.6	8761.6	8459.1	7926.4	7892.4	7176.7	6443.5	6458.8	72.5°
75°	4890.4	5287.2	5536.0	6018.2	6435.8	6165.1	6196.9	6385.4	6149.8	5572.2	5384.7	75°
77.5°	3543.4	3923.8	4002.7	4288.7	4582.5	4890.4	5298.2	5742.1	5816.6	5492.2	4812.6	77.5°
80°	2319.2	2737.9	2582.2	2684.2	3097.4	3659.6	4403.8	5134.9	5385.8	5094.3	4258.0	80°
82.5°	1367.8	1954.2	1706.5	1880.8	2142.7	2632.6	3146.7	3698.0	4117.7	3807.6	3556.6	82.5°
85°	1039.0	1541.0	1632.0	1843.5	1929.0	1949.8	2039.7	2219.4	2436.5	2517.6	2511.0	85°
87.5°	541.4	1198.0	1344.8	1244.0	1160.7	1006.1	784.8	845.0	772.7	1056.6	1000.7	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1831.5	1831.5	1831.5	1831.5	1831.5	1831.5	1831.5
1937.8	1934.5	1936.7	1937.8	1937.8	1937.8	1940.0
1982.7	1973.9	1970.6	1970.6	1969.5	1966.3	1965.2
2030.9	2015.6	2010.1	2003.5	1998.0	1994.8	1989.3
2117.5	2104.4	2077.0	2061.6	2047.4	2037.5	2028.7
2233.7	2215.1	2188.8	2169.0	2147.1	2140.5	2129.6
2413.4	2397.0	2374.0	2352.1	2338.9	2315.9	2299.5
2694.0	2661.1	2638.1	2609.6	2577.8	2530.7	2507.7
3063.4	2997.6	2951.6	2926.4	2862.8	2855.1	2799.2
3487.5	3467.8	3397.7	3367.0	3305.6	3281.5	3193.8
4122.1	4106.8	3963.2	3947.9	3853.6	3783.5	3647.6
4956.2	4830.2	4668.0	4555.1	4393.9	4213.1	3981.8
5685.1	5427.5	5179.8	4916.7	4694.3	4434.5	4172.5
6149.8	5804.5	5485.6	5216.0	4940.9	4631.8	4295.3
6557.5	6209.0	5861.5	5542.6	5209.4	4813.7	4398.3
7045.2	6698.9	6307.6	5859.3	5431.9	4947.4	4440.0
7545.0	7139.5	6650.7	6101.5	5564.5	5013.2	4432.3
8056.8	7538.4	6888.5	6262.7	5648.9	5023.1	4380.8
8472.2	7816.8	7064.9	6344.9	5666.4	4989.1	4316.1
8766.0	7995.5	7143.9	6373.4	5644.5	4935.4	4228.4
8933.7	8093.0	7163.6	6352.5	5599.6	4858.7	4133.1
8995.0	8122.6	7143.9	6309.8	5559.0	4776.5	4066.2
8988.5	8106.2	7071.5	6210.1	5450.5	4666.9	3984.0
8864.6	7953.8	6923.6	6090.6	5358.4	4616.4	3989.5
8654.2	7857.4	6879.7	6114.7	5406.7	4724.9	4162.7
8558.8	8050.3	7126.3	6355.8	5654.4	5035.1	4520.0
8505.1	8363.7	7479.2	6615.6	5948.1	5411.1	4946.3
8285.9	8453.6	7679.8	6763.5	6210.1	5788.1	5372.7
7931.9	8244.3	7527.5	6735.0	6354.7	6077.4	5526.1
7193.2	7523.1	6849.0	6315.3	6173.9	6081.8	5296.0
5827.5	5998.5	5614.9	5494.4	5547.0	5548.1	4442.2
4297.5	4194.5	4021.3	4030.1	4384.1	4329.3	3166.4
3508.4	2871.6	2626.1	2719.2	3156.5	2920.9	1989.3
3265.0	2561.4	2114.2	2136.1	2383.8	1881.9	1198.0
2640.3	2334.5	1872.0	1680.2	1630.9	1253.8	813.2
1104.8	1016.0	756.3	681.7	559.0	342.0	155.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)