

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: P159008

Luminaire Tested: **VTS-E06-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159008
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-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

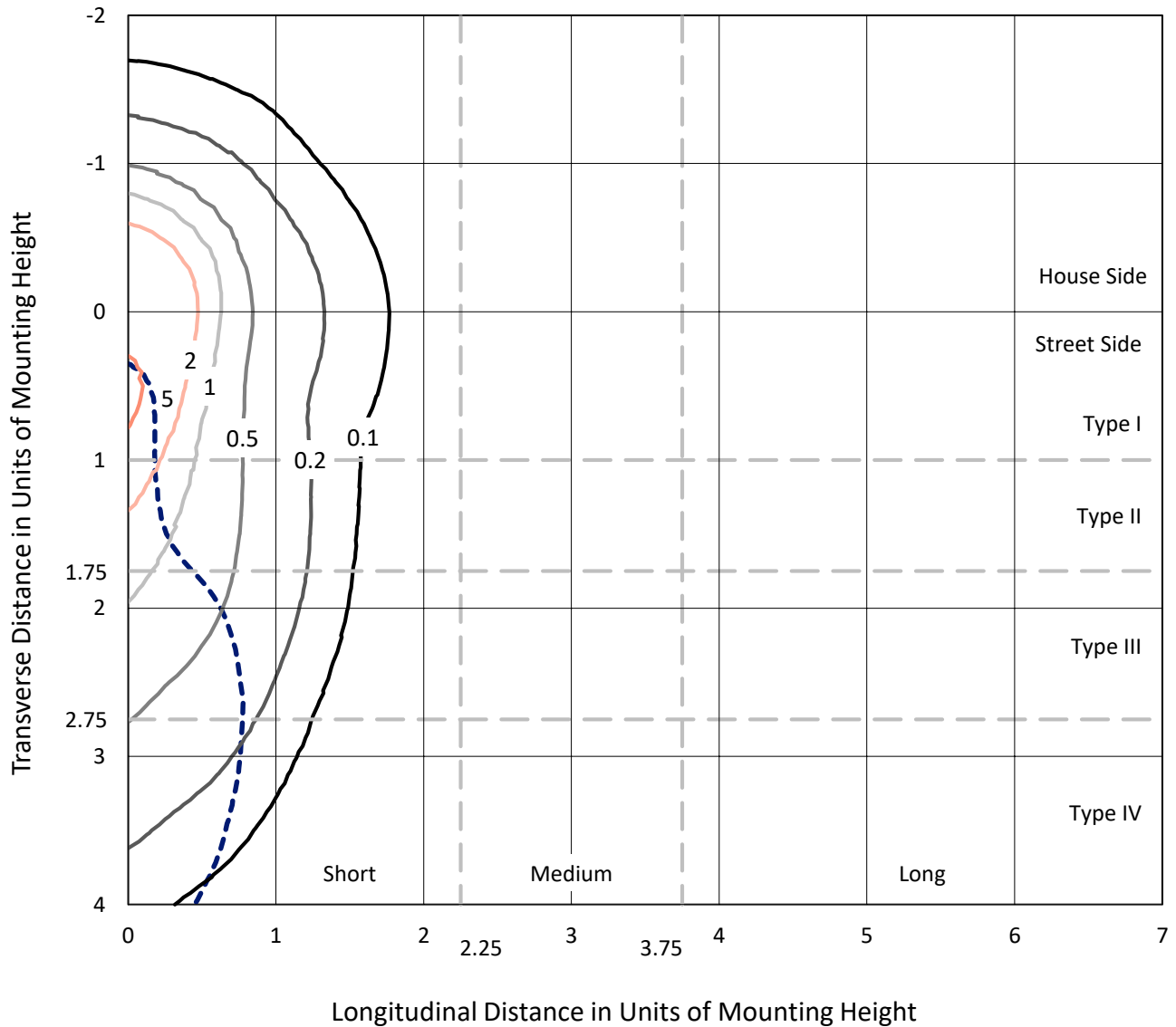
Lumens per Lamp: N/A
Luminaire Lumens: 13608.2 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

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

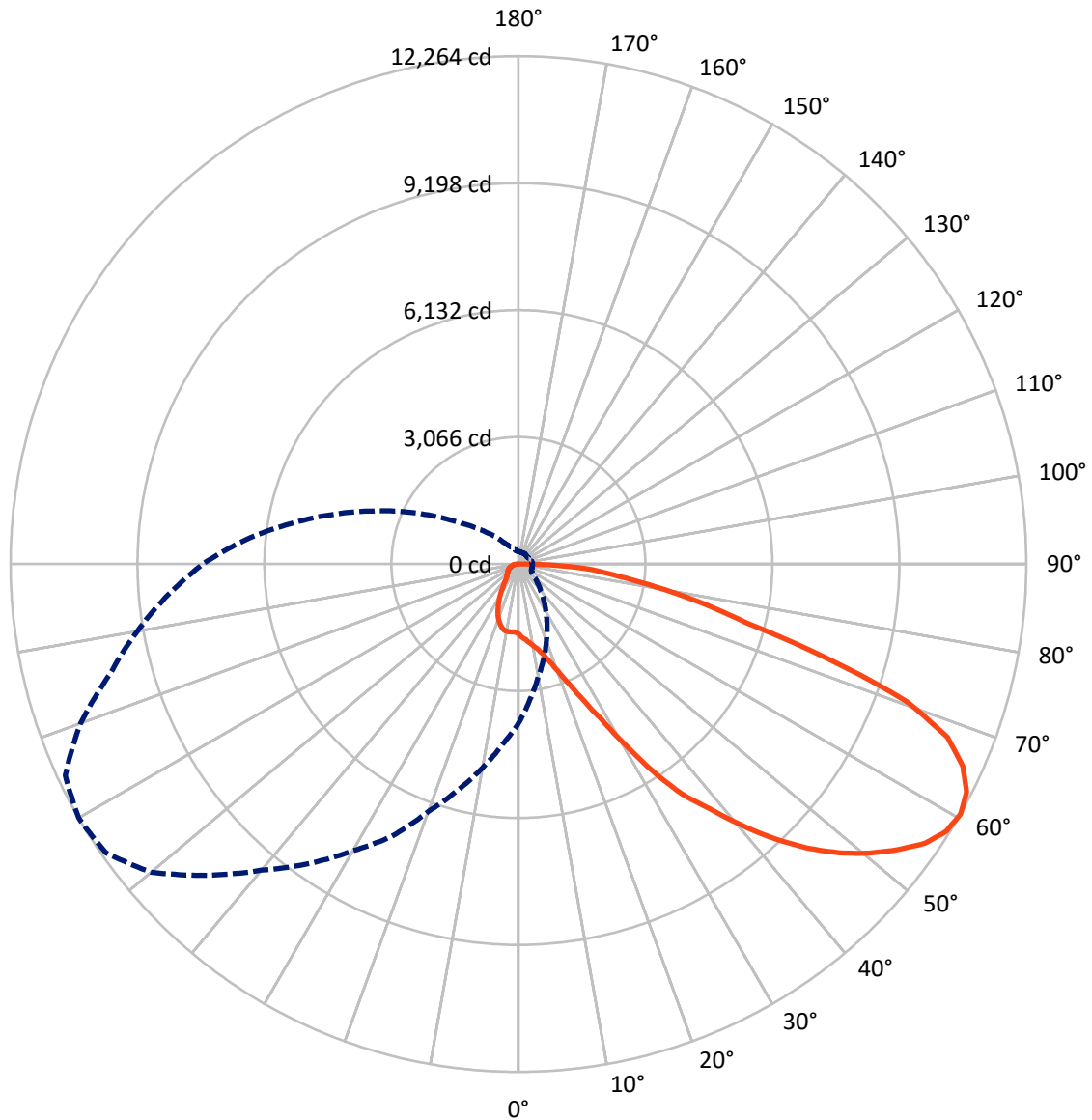
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 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	3064.2	0.0	3064.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10544.1	0.0	10544.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	13608.2	0.0	13608.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	1.2
10°-20°	539.1	4.0
20°-30°	1023.0	7.5
30°-40°	1611.0	11.8
40°-50°	2248.6	16.5
50°-60°	2781.0	20.4
60°-70°	2882.6	21.2
70°-80°	1813.8	13.3
80°-90°	542.2	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°	13608.2	100.0
0°-180°	13608.2	100.0



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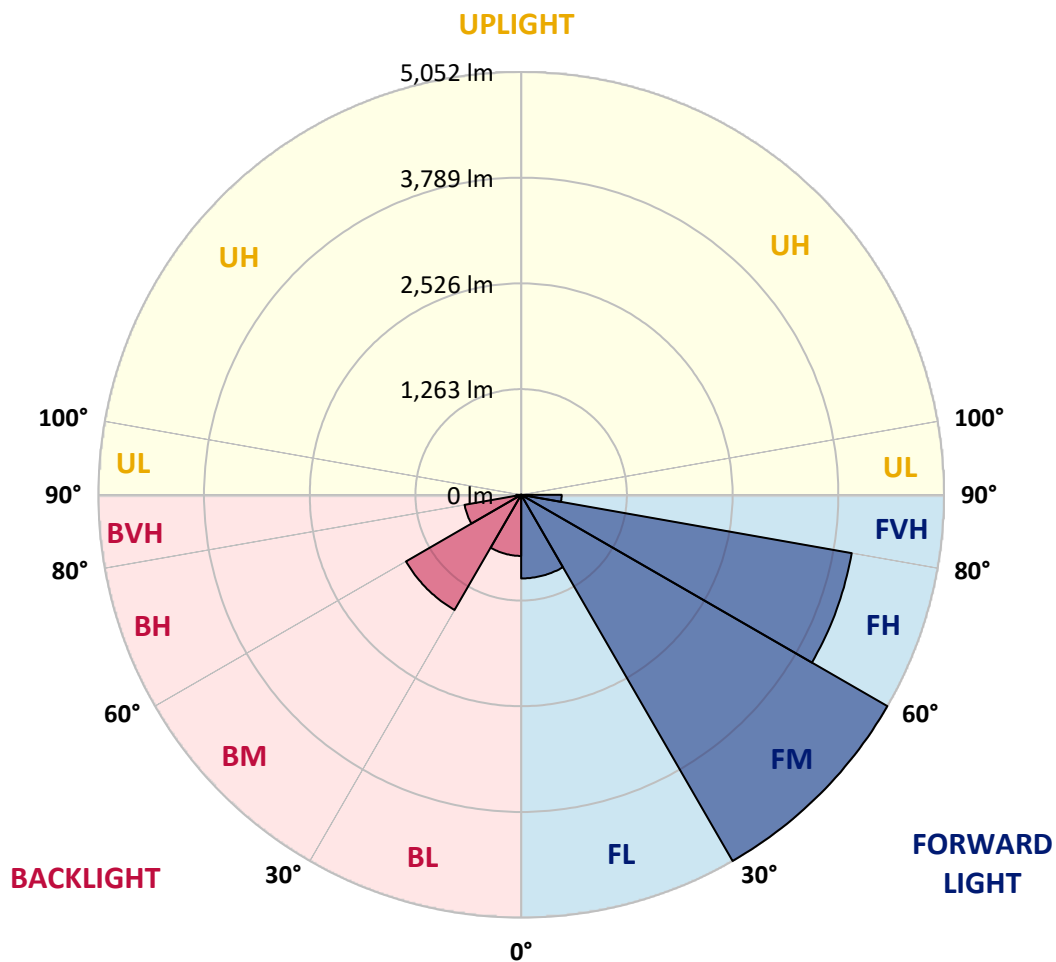
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	999.0	7.3			
FM (30°-60°)	5051.6	37.1			
FH (60°-80°)	4010.2	29.5			G2/5000
FVH (80°-90°)	483.2	3.6			G3/500
BL (0°-30°)	730.0	5.4	B2/1000		
BM (30°-60°)	1588.9	11.7	B2/2500		
BH (60°-80°)	686.2	5.0	B2/1000		G2/1000
BVH (80°-90°)	59.0	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1792.6	1685.3	1687.3	1684.3	1684.3	1682.2	1684.3	1682.2	1680.2	1680.2	1681.2
5°	1815.9	1697.4	1697.4	1694.4	1692.4	1690.3	1692.4	1690.3	1689.3	1687.3	1688.3
7.5°	1838.2	1704.5	1700.5	1696.4	1691.4	1693.4	1693.4	1692.4	1693.4	1692.4	1694.4
10°	1874.7	1727.8	1717.7	1708.6	1707.6	1705.5	1705.5	1702.5	1702.5	1700.5	1701.5
12.5°	1967.8	1799.7	1788.6	1772.4	1769.3	1760.2	1755.2	1749.1	1739.0	1729.8	1722.8
15°	2124.8	1919.2	1898.0	1883.8	1877.7	1859.5	1831.1	1808.8	1779.5	1754.2	1727.8
17.5°	2317.3	2079.3	2053.9	2035.7	2005.3	1955.7	1908.1	1853.4	1796.7	1745.0	1697.4
20°	2586.7	2309.2	2259.5	2216.0	2140.0	2054.9	1965.8	1870.6	1783.5	1702.5	1632.6
22.5°	2951.3	2605.9	2513.7	2397.3	2256.5	2112.7	1970.9	1839.2	1722.8	1617.4	1524.2
25°	3370.6	2889.5	2723.4	2522.9	2307.1	2108.6	1922.3	1753.1	1617.4	1481.7	1380.4
27.5°	3679.5	3126.5	2881.4	2618.1	2342.6	2089.4	1860.5	1655.9	1491.8	1353.1	1230.5
30°	3855.7	3262.2	2967.5	2658.6	2348.7	2057.0	1782.5	1545.5	1356.1	1191.0	1073.6
32.5°	3969.1	3335.1	2976.6	2618.1	2275.7	1960.8	1664.0	1417.9	1212.3	1036.1	911.5
35°	4064.3	3364.5	2934.1	2527.9	2138.0	1814.9	1512.1	1266.0	1048.2	886.2	758.6
37.5°	4102.8	3359.4	2866.2	2407.4	2003.3	1655.9	1357.1	1105.0	910.5	767.7	658.3
40°	4095.7	3312.8	2774.0	2278.8	1845.3	1489.8	1193.1	971.3	813.3	692.7	612.7
42.5°	4048.1	3251.1	2671.7	2148.1	1700.5	1352.1	1081.7	885.2	757.6	666.4	596.5
45°	3988.4	3177.1	2578.6	2028.6	1586.0	1253.8	1016.8	860.9	750.5	663.4	588.4
47.5°	3907.3	3095.1	2484.4	1943.5	1525.3	1224.5	1015.8	875.0	756.6	656.3	574.3
50°	3819.2	3035.3	2432.7	1907.1	1518.2	1242.7	1051.3	897.3	760.6	649.2	555.0
52.5°	3757.4	3009.0	2431.7	1920.2	1555.6	1293.3	1092.8	925.7	775.8	653.2	551.0
55°	3681.5	3004.9	2458.0	1977.0	1637.7	1379.4	1158.6	974.3	807.2	668.4	554.0
57.5°	3686.6	3085.0	2560.3	2116.7	1785.5	1495.9	1242.7	1034.1	837.6	677.6	548.9
60°	3846.6	3271.3	2761.9	2355.7	1979.0	1632.6	1328.8	1066.5	835.6	657.3	524.6
62.5°	4176.7	3550.8	3063.7	2636.3	2175.5	1737.9	1360.2	1057.4	805.2	613.8	485.1
65°	4570.7	3878.0	3357.4	2854.0	2295.0	1762.3	1332.8	1006.7	744.4	557.0	437.5
67.5°	4964.7	4109.9	3526.5	2915.8	2246.4	1664.0	1231.6	893.3	641.1	480.1	383.8
70°	5106.5	4157.5	3513.4	2777.1	2025.6	1419.9	1013.8	719.1	514.5	393.0	323.1
72.5°	4893.8	3859.7	3123.4	2359.8	1646.8	1100.9	743.4	530.7	393.0	307.9	263.3
75°	4104.8	3108.2	2469.2	1777.4	1189.0	778.8	536.8	386.9	295.7	244.1	210.7
77.5°	2925.9	2164.3	1682.2	1167.7	771.7	539.8	384.9	290.7	235.0	195.5	171.2
80°	1838.2	1328.8	1024.9	700.9	481.1	366.6	276.5	229.9	189.4	159.0	142.8
82.5°	1107.0	773.8	603.6	435.5	316.0	251.2	203.6	180.3	150.9	131.7	122.5
85°	751.5	569.2	396.0	257.2	190.4	147.9	138.8	124.6	112.4	94.2	91.2
87.5°	143.8	203.6	177.2	105.3	69.9	59.8	52.7	50.6	45.6	36.5	41.5
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°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1675.2	1673.1	1669.1	1669.1	1666.0	1660.0	1658.9	1654.9	1649.8	1650.8	1649.8
5°	1681.2	1677.2	1672.1	1670.1	1666.0	1660.0	1656.9	1651.9	1646.8	1646.8	1646.8
7.5°	1688.3	1683.3	1679.2	1672.1	1664.0	1657.9	1649.8	1643.8	1640.7	1639.7	1640.7
10°	1694.4	1691.4	1685.3	1675.2	1664.0	1651.9	1643.8	1635.7	1627.6	1628.6	1629.6
12.5°	1707.6	1697.4	1681.2	1666.0	1648.8	1633.6	1619.4	1609.3	1599.2	1599.2	1600.2
15°	1698.4	1669.1	1646.8	1617.4	1598.2	1573.9	1557.7	1548.6	1542.5	1540.5	1541.5
17.5°	1644.8	1609.3	1575.9	1549.6	1523.2	1504.0	1496.9	1490.8	1482.7	1486.8	1482.7
20°	1563.7	1520.2	1472.6	1441.2	1409.8	1396.6	1384.5	1378.4	1373.3	1391.6	1391.6
22.5°	1447.3	1394.6	1346.0	1307.5	1272.1	1257.9	1245.7	1238.6	1241.7	1264.0	1266.0
25°	1300.4	1236.6	1172.8	1149.5	1114.1	1102.9	1095.8	1094.8	1097.9	1120.1	1125.2
27.5°	1144.5	1077.6	1022.9	969.2	953.0	943.9	930.8	945.9	949.0	973.3	983.4
30°	978.4	906.4	848.7	813.3	778.8	783.9	772.8	791.0	799.1	824.4	832.5
32.5°	808.2	740.3	682.6	647.2	622.9	625.9	617.8	634.0	642.1	672.5	687.7
35°	668.4	610.7	564.1	533.7	522.6	511.5	509.4	511.5	519.6	542.9	570.2
37.5°	588.4	540.8	507.4	485.1	469.9	462.8	458.8	458.8	458.8	463.9	477.0
40°	554.0	511.5	482.1	460.8	450.7	446.6	443.6	440.6	435.5	433.5	434.5
42.5°	538.8	490.2	458.8	442.6	436.5	436.5	436.5	434.5	429.4	424.4	419.3
45°	523.6	470.9	439.6	428.4	425.4	426.4	426.4	426.4	422.3	416.3	407.1
47.5°	504.4	449.7	418.3	411.2	411.2	414.2	415.2	415.2	411.2	405.1	398.0
50°	481.1	422.3	394.0	387.9	384.9	384.9	384.9	384.9	381.8	377.8	372.7
52.5°	468.9	407.1	377.8	371.7	371.7	368.7	367.6	364.6	361.6	358.5	351.4
55°	464.9	401.1	370.7	365.6	365.6	362.6	359.5	356.5	351.4	346.4	339.3
57.5°	453.7	387.9	361.6	357.5	357.5	355.5	352.5	349.4	344.3	337.3	328.1
60°	428.4	365.6	343.3	342.3	342.3	341.3	339.3	339.3	334.2	327.1	316.0
62.5°	396.0	342.3	321.1	321.1	320.0	319.0	315.0	314.0	307.9	298.8	288.6
65°	364.6	322.1	307.9	303.8	301.8	298.8	296.7	291.7	286.6	278.5	268.4
67.5°	325.1	291.7	282.6	278.5	274.5	271.4	268.4	265.4	259.3	253.2	245.1
70°	282.6	258.3	253.2	252.2	247.1	244.1	243.1	240.0	234.0	227.9	217.7
72.5°	242.1	227.9	223.8	223.8	217.7	213.7	211.7	210.7	206.6	201.5	192.4
75°	195.5	185.3	184.3	189.4	189.4	186.4	184.3	186.4	180.3	177.2	168.1
77.5°	160.0	155.0	151.9	153.9	160.0	157.0	152.9	152.9	152.9	147.9	144.8
80°	135.7	131.7	128.6	130.6	129.6	128.6	126.6	122.5	122.5	122.5	121.5
82.5°	122.5	121.5	110.4	110.4	106.3	103.3	101.3	99.3	97.2	97.2	102.3
85°	92.2	95.2	89.1	88.1	83.0	79.0	74.9	72.9	70.9	73.9	84.1
87.5°	44.6	44.6	42.5	47.6	43.5	41.5	38.5	36.5	38.5	47.6	56.7
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1647.8	1646.8	1645.8	1643.8	1639.7	1638.7	1636.7	1636.7	1635.7	1633.6	1635.7
5°	1644.8	1646.8	1646.8	1645.8	1642.7	1644.8	1644.8	1647.8	1647.8	1649.8	1654.9
7.5°	1640.7	1645.8	1649.8	1652.9	1656.9	1660.0	1666.0	1675.2	1679.2	1686.3	1689.3
10°	1632.6	1641.7	1648.8	1657.9	1668.1	1679.2	1688.3	1702.5	1707.6	1717.7	1722.8
12.5°	1609.3	1624.5	1636.7	1654.9	1672.1	1689.3	1705.5	1723.8	1732.9	1744.0	1751.1
15°	1552.6	1569.8	1587.0	1603.2	1633.6	1667.1	1693.4	1717.7	1730.9	1745.0	1752.1
17.5°	1484.7	1495.9	1510.1	1531.3	1560.7	1590.1	1632.6	1667.1	1687.3	1703.5	1705.5
20°	1405.8	1422.0	1432.1	1440.2	1463.5	1483.7	1529.3	1568.8	1595.1	1614.4	1619.4
22.5°	1285.2	1302.4	1319.7	1325.7	1344.0	1370.3	1395.6	1438.2	1475.6	1504.0	1521.2
25°	1147.5	1163.7	1187.0	1205.2	1209.3	1230.5	1255.9	1304.5	1343.0	1388.5	1408.8
27.5°	1009.8	1023.9	1049.2	1059.4	1071.5	1092.8	1113.1	1153.6	1194.1	1246.7	1269.0
30°	848.7	879.1	908.5	927.7	937.8	963.2	977.3	1016.8	1054.3	1092.8	1125.2
32.5°	711.0	738.3	771.7	796.1	808.2	827.4	849.7	883.2	912.5	950.0	987.5
35°	584.4	621.9	644.1	665.4	696.8	705.9	728.2	758.6	775.8	816.3	858.8
37.5°	495.3	517.5	539.8	561.1	587.4	599.6	620.8	646.2	666.4	690.7	729.2
40°	440.6	452.7	468.9	483.1	502.3	517.5	528.7	549.9	565.1	589.4	616.8
42.5°	415.2	418.3	420.3	430.4	440.6	450.7	462.8	472.0	490.2	508.4	525.6
45°	401.1	395.0	391.9	393.0	397.0	403.1	413.2	423.3	435.5	446.6	456.8
47.5°	388.9	380.8	371.7	366.6	367.6	369.7	377.8	385.9	391.9	401.1	405.1
50°	360.6	353.5	345.4	338.3	339.3	340.3	347.4	353.5	357.5	360.6	365.6
52.5°	342.3	332.2	325.1	318.0	317.0	320.0	326.1	332.2	334.2	336.2	337.3
55°	329.2	319.0	309.9	302.8	299.8	306.9	308.9	317.0	320.0	320.0	321.1
57.5°	319.0	306.9	297.8	290.7	285.6	290.7	295.7	304.8	305.9	303.8	303.8
60°	303.8	294.7	285.6	278.5	273.5	277.5	281.6	291.7	291.7	286.6	285.6
62.5°	277.5	272.4	266.4	263.3	262.3	266.4	269.4	277.5	274.5	268.4	266.4
65°	258.3	254.2	248.1	246.1	245.1	251.2	252.2	257.2	253.2	250.2	249.1
67.5°	235.0	231.9	228.9	227.9	224.8	224.8	226.9	229.9	227.9	227.9	228.9
70°	208.6	204.6	201.5	202.6	200.5	200.5	201.5	203.6	202.6	204.6	206.6
72.5°	184.3	179.3	178.3	178.3	176.2	177.2	177.2	178.3	180.3	181.3	186.4
75°	161.0	156.0	156.0	155.0	155.0	155.0	156.0	158.0	160.0	161.0	163.1
77.5°	139.8	136.7	137.7	136.7	136.7	136.7	136.7	139.8	140.8	141.8	144.8
80°	120.5	120.5	121.5	121.5	120.5	119.5	120.5	122.5	123.6	124.6	125.6
82.5°	109.4	110.4	110.4	110.4	105.3	103.3	106.3	108.4	110.4	111.4	113.4
85°	94.2	90.1	94.2	93.2	86.1	85.1	85.1	86.1	88.1	86.1	86.1
87.5°	60.8	54.7	57.7	57.7	50.6	41.5	52.7	56.7	50.6	53.7	53.7
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1638.7	1636.7	1637.7	1637.7	1639.7	1636.7	1640.7	1644.8	1645.8	1645.8	1646.8
5°	1660.0	1657.9	1665.0	1662.0	1669.1	1668.1	1673.1	1677.2	1679.2	1679.2	1679.2
7.5°	1693.4	1700.5	1704.5	1715.7	1716.7	1722.8	1727.8	1732.9	1730.9	1731.9	1730.9
10°	1730.9	1740.0	1750.1	1761.2	1762.3	1769.3	1777.4	1782.5	1780.5	1779.5	1776.4
12.5°	1763.3	1769.3	1781.5	1792.6	1798.7	1809.9	1818.0	1822.0	1822.0	1819.0	1815.9
15°	1761.2	1770.4	1783.5	1799.7	1810.9	1827.1	1841.3	1850.4	1851.4	1848.3	1847.3
17.5°	1716.7	1729.8	1742.0	1764.3	1784.5	1806.8	1830.1	1843.3	1855.4	1862.5	1866.6
20°	1636.7	1652.9	1670.1	1699.5	1726.8	1756.2	1783.5	1802.8	1821.0	1842.3	1867.6
22.5°	1542.5	1566.8	1591.1	1628.6	1662.0	1695.4	1726.8	1750.1	1778.5	1814.9	1862.5
25°	1432.1	1457.4	1487.8	1531.3	1573.9	1622.5	1669.1	1715.7	1770.4	1833.1	1907.1
27.5°	1301.4	1329.8	1369.3	1422.0	1470.6	1520.2	1593.1	1667.1	1756.2	1837.2	1921.3
30°	1171.8	1208.3	1250.8	1303.5	1352.1	1423.0	1495.9	1587.0	1681.2	1772.4	1872.6
32.5°	1032.0	1077.6	1130.3	1173.8	1228.5	1300.4	1373.3	1470.6	1570.8	1678.2	1788.6
35°	897.3	940.9	982.4	1031.0	1085.7	1153.6	1224.5	1317.6	1444.2	1558.7	1690.3
37.5°	760.6	801.1	830.5	869.0	916.6	991.5	1067.5	1174.8	1294.3	1435.1	1566.8
40°	641.1	674.5	707.9	738.3	778.8	849.7	930.8	1036.1	1153.6	1290.3	1437.1
42.5°	545.9	571.2	607.7	644.1	678.6	739.3	815.3	918.6	1035.1	1174.8	1321.7
45°	465.9	483.1	512.5	542.9	585.4	636.0	709.0	814.3	932.8	1073.6	1228.5
47.5°	408.2	416.3	436.5	467.9	507.4	557.0	619.8	715.0	830.5	972.3	1135.3
50°	368.7	377.8	387.9	414.2	449.7	500.3	552.0	635.0	740.3	879.1	1041.1
52.5°	341.3	345.4	349.4	365.6	398.0	440.6	495.3	558.0	664.4	797.1	942.9
55°	325.1	326.1	329.2	337.3	361.6	401.1	448.7	508.4	591.5	717.1	865.9
57.5°	305.9	307.9	310.9	316.0	331.2	366.6	407.1	455.8	524.6	630.0	772.8
60°	287.6	292.7	297.8	300.8	308.9	330.2	364.6	403.1	458.8	537.8	651.2
62.5°	268.4	274.5	278.5	281.6	284.6	297.8	323.1	348.4	382.8	434.5	519.6
65°	251.2	255.2	258.3	260.3	262.3	266.4	277.5	287.6	297.8	329.2	390.9
67.5°	231.9	234.0	235.0	236.0	235.0	235.0	236.0	240.0	244.1	256.2	285.6
70°	209.6	212.7	212.7	213.7	213.7	210.7	210.7	210.7	210.7	213.7	229.9
72.5°	188.4	192.4	192.4	193.4	192.4	191.4	191.4	191.4	194.5	196.5	202.6
75°	168.1	172.2	171.2	172.2	173.2	173.2	175.2	176.2	179.3	180.3	184.3
77.5°	147.9	150.9	151.9	150.9	152.9	155.0	159.0	161.0	162.0	163.1	164.1
80°	128.6	130.6	129.6	126.6	131.7	134.7	140.8	147.9	145.8	146.9	148.9
82.5°	106.3	103.3	101.3	103.3	106.3	110.4	116.5	125.6	126.6	131.7	130.6
85°	82.0	72.9	71.9	77.0	76.0	81.0	91.2	98.2	104.3	109.4	104.3
87.5°	48.6	43.5	36.5	34.4	37.5	49.6	51.7	62.8	67.9	69.9	62.8
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
2.5°	1739.0	1744.0	1744.0	1746.0	1749.1	1750.1	1754.2	1761.2	1762.3	1762.3	1765.3
5°	1771.4	1776.4	1776.4	1780.5	1781.5	1786.6	1791.6	1799.7	1803.8	1802.8	1815.9
7.5°	1824.0	1820.0	1816.9	1823.0	1826.1	1832.1	1842.3	1849.4	1856.4	1867.6	1885.8
10°	1868.6	1862.5	1859.5	1863.5	1865.6	1872.6	1878.7	1888.9	1906.1	1923.3	1945.6
12.5°	1905.1	1898.0	1889.9	1891.9	1894.9	1904.0	1914.2	1927.3	1952.7	1974.9	2008.4
15°	1935.4	1925.3	1917.2	1921.3	1928.4	1940.5	1957.7	1981.0	2022.5	2061.0	2105.6
17.5°	1964.8	1962.8	1959.7	1972.9	1978.0	2006.3	2031.7	2074.2	2130.9	2188.6	2252.4
20°	1993.2	2015.5	2026.6	2052.9	2069.1	2107.6	2146.1	2197.8	2269.7	2348.7	2435.8
22.5°	2032.7	2093.4	2130.9	2184.6	2211.9	2253.5	2310.2	2378.0	2458.0	2559.3	2670.7
25°	2126.9	2216.0	2290.9	2375.0	2443.9	2507.7	2575.5	2657.6	2773.0	2865.2	3011.0
27.5°	2168.4	2294.0	2406.4	2524.9	2628.2	2726.4	2833.8	2933.0	3069.8	3194.3	3370.6
30°	2128.9	2270.7	2416.5	2571.5	2722.4	2871.3	3027.2	3179.1	3337.1	3511.3	3698.7
32.5°	2056.0	2215.0	2379.0	2561.3	2748.7	2942.2	3144.7	3365.5	3588.3	3805.0	3996.5
35°	1982.0	2153.2	2335.5	2544.1	2764.9	3004.9	3256.1	3535.6	3830.4	4104.8	4355.0
37.5°	1874.7	2063.1	2271.7	2512.7	2775.0	3070.8	3393.9	3738.2	4110.9	4488.7	4816.8
40°	1745.0	1944.6	2172.4	2449.9	2764.9	3138.6	3558.9	4000.5	4479.6	4940.4	5343.5
42.5°	1626.5	1821.0	2064.1	2365.9	2738.6	3198.4	3715.9	4265.9	4833.0	5348.5	5875.2
45°	1522.2	1736.9	1981.0	2307.1	2725.4	3249.0	3832.4	4464.4	5113.6	5727.3	6349.2
47.5°	1427.0	1649.8	1923.3	2274.7	2719.3	3279.4	3913.4	4594.0	5313.1	6018.0	6740.1
50°	1328.8	1545.5	1838.2	2239.3	2704.1	3278.4	3956.0	4682.1	5452.9	6243.8	7009.5
52.5°	1223.4	1441.2	1734.9	2174.5	2671.7	3260.2	3967.1	4741.9	5563.3	6382.6	7238.4
55°	1127.2	1330.8	1624.5	2066.1	2603.9	3215.6	3941.8	4767.2	5641.2	6520.3	7399.4
57.5°	1016.8	1228.5	1508.0	1917.2	2476.3	3136.6	3869.9	4731.8	5663.5	6612.5	7527.0
60°	864.9	1072.5	1360.2	1741.0	2276.7	2969.5	3736.2	4624.4	5592.6	6628.7	7618.2
62.5°	690.7	870.0	1147.5	1497.9	1996.2	2707.2	3489.1	4383.4	5371.8	6476.8	7571.6
65°	513.5	633.0	872.0	1179.9	1671.1	2312.2	3091.0	3979.2	4940.4	6054.5	7278.9
67.5°	357.5	443.6	590.5	819.3	1215.3	1785.5	2522.9	3348.3	4273.0	5272.6	6671.2
70°	270.4	309.9	389.9	517.5	786.9	1216.4	1834.2	2569.4	3427.3	4390.4	5708.1
72.5°	230.9	251.2	295.7	354.5	482.1	739.3	1151.5	1768.3	2528.9	3312.8	4379.3
75°	207.6	224.8	253.2	290.7	341.3	448.7	675.5	1119.1	1675.2	2219.0	3055.6
77.5°	188.4	203.6	228.9	248.1	275.5	323.1	430.4	669.5	1003.7	1371.3	1895.9
80°	168.1	177.2	200.5	219.8	241.0	268.4	308.9	420.3	576.3	812.3	1118.1
82.5°	143.8	150.9	168.1	194.5	210.7	221.8	234.0	278.5	345.4	440.6	620.8
85°	111.4	116.5	131.7	150.9	158.0	159.0	161.0	173.2	214.7	330.2	534.8
87.5°	56.7	62.8	79.0	85.1	71.9	78.0	79.0	84.1	111.4	181.3	184.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	0°
2.5°	1765.3	1768.3	1775.4	1774.4	1779.5	1779.5	1779.5	1784.5	1781.5	1784.5	1789.6	2.5°
5°	1815.9	1821.0	1831.1	1831.1	1832.1	1829.1	1835.2	1839.2	1834.2	1832.1	1833.1	5°
7.5°	1889.9	1898.0	1906.1	1914.2	1920.2	1917.2	1918.2	1909.1	1907.1	1900.0	1890.9	7.5°
10°	1961.8	1984.1	1999.2	2013.4	2014.4	2011.4	2012.4	1997.2	1994.2	1980.0	1970.9	10°
12.5°	2035.7	2064.1	2088.4	2103.6	2112.7	2114.7	2115.7	2115.7	2101.5	2089.4	2068.1	12.5°
15°	2145.1	2194.7	2232.2	2248.4	2261.6	2273.7	2276.7	2280.8	2269.7	2253.5	2250.4	15°
17.5°	2318.3	2364.9	2414.5	2458.0	2487.4	2489.4	2514.8	2512.7	2536.0	2517.8	2512.7	17.5°
20°	2523.9	2625.1	2676.8	2734.5	2768.0	2784.2	2842.9	2824.7	2841.9	2871.3	2841.9	20°
22.5°	2781.1	2909.7	2984.7	3063.7	3118.4	3157.9	3200.4	3233.8	3280.4	3302.7	3282.4	22.5°
25°	3122.4	3269.3	3358.4	3467.8	3554.9	3625.8	3699.7	3788.8	3787.8	3841.5	3879.0	25°
27.5°	3514.4	3701.7	3831.4	4023.8	4098.8	4218.3	4344.9	4482.6	4506.9	4576.8	4612.2	27.5°
30°	3883.0	4115.0	4372.2	4601.1	4860.4	5037.6	5184.5	5281.7	5428.5	5392.1	5371.8	30°
32.5°	4223.3	4532.2	4898.9	5274.6	5685.8	5966.3	6225.6	6346.1	6437.3	6243.8	5987.6	32.5°
35°	4664.9	5034.6	5453.9	5917.7	6440.3	6838.4	7105.7	7143.2	7091.5	6843.4	6419.1	35°
37.5°	5211.8	5599.7	6076.7	6566.9	7121.9	7495.7	7800.5	7855.2	7718.5	7275.9	6830.2	37.5°
40°	5751.6	6206.4	6723.9	7304.2	7879.5	8290.7	8596.6	8612.8	8389.9	7872.4	7350.8	40°
42.5°	6342.1	6839.4	7415.6	8058.8	8653.3	9069.5	9290.3	9360.2	9045.2	8381.8	7881.5	42.5°
45°	6851.5	7446.0	8088.1	8771.8	9393.6	9788.6	10013.4	9991.2	9610.4	8955.1	8368.7	45°
47.5°	7347.8	8002.0	8678.6	9404.8	10022.6	10421.6	10652.5	10632.3	10149.2	9394.6	8749.5	47.5°
50°	7789.4	8499.3	9222.5	9998.3	10614.0	10979.6	11262.2	11173.1	10562.4	9748.1	8994.6	50°
52.5°	8096.2	8888.2	9643.8	10482.4	11116.4	11462.7	11822.3	11535.7	10806.5	9964.8	9126.2	52.5°
55°	8290.7	9155.6	9943.6	10871.3	11494.1	11908.4	12140.3	11733.2	10900.6	10024.6	9171.8	55°
57.5°	8422.4	9302.5	10119.8	11096.1	11834.4	12181.8	12238.5	11740.3	10839.9	9930.4	9126.2	57.5°
60°	8487.2	9346.0	10199.8	11254.1	12073.5	12263.9	12160.6	11576.2	10630.2	9653.9	8832.5	60°
62.5°	8480.1	9291.3	10158.3	11306.8	12121.1	12145.4	11910.4	11296.6	10244.4	9073.6	8344.4	62.5°
65°	8299.8	9091.8	9924.3	11111.3	11899.3	11794.9	11499.2	10772.0	9493.9	8316.0	7947.4	65°
67.5°	7780.2	8539.8	9312.6	10471.2	11274.4	11173.1	10725.4	9741.0	8621.9	7645.5	7447.0	67.5°
70°	6911.3	7555.4	8234.0	9251.8	10094.5	9957.7	9174.9	8576.3	7758.0	6870.8	6801.9	70°
72.5°	5778.0	6266.1	6758.3	7515.9	8096.2	7816.7	7324.5	7293.1	6631.7	5954.2	5968.4	72.5°
75°	4519.1	4885.7	5115.6	5561.2	5947.1	5696.9	5726.3	5900.5	5682.8	5149.0	4975.8	75°
77.5°	3274.3	3625.8	3698.7	3963.0	4234.5	4519.1	4895.8	5306.0	5374.9	5075.1	4447.2	77.5°
80°	2143.1	2529.9	2386.1	2480.3	2862.1	3381.7	4069.4	4744.9	4976.8	4707.4	3934.7	80°
82.5°	1264.0	1805.8	1576.9	1737.9	1980.0	2432.7	2907.7	3417.2	3805.0	3518.4	3286.5	82.5°
85°	960.1	1424.0	1508.0	1703.5	1782.5	1801.8	1884.8	2050.9	2251.4	2326.4	2320.3	85°
87.5°	500.3	1107.0	1242.7	1149.5	1072.5	929.7	725.2	780.9	714.0	976.3	924.7	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°
1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
1790.6	1787.6	1789.6	1790.6	1790.6	1790.6	1792.6
1832.1	1824.0	1821.0	1821.0	1820.0	1816.9	1815.9
1876.7	1862.5	1857.5	1851.4	1846.3	1843.3	1838.2
1956.7	1944.6	1919.2	1905.1	1891.9	1882.8	1874.7
2064.1	2046.8	2022.5	2004.3	1984.1	1978.0	1967.8
2230.2	2215.0	2193.7	2173.4	2161.3	2140.0	2124.8
2489.4	2459.1	2437.8	2411.5	2382.1	2338.5	2317.3
2830.7	2770.0	2727.4	2704.1	2645.4	2638.3	2586.7
3222.7	3204.5	3139.6	3111.3	3054.6	3032.3	2951.3
3809.1	3794.9	3662.2	3648.1	3561.0	3496.1	3370.6
4579.8	4463.4	4313.5	4209.2	4060.3	3893.2	3679.5
5253.3	5015.3	4786.4	4543.4	4337.8	4097.7	3855.7
5682.8	5363.7	5069.0	4819.9	4565.7	4280.0	3969.1
6059.5	5737.5	5416.4	5121.7	4813.8	4448.2	4064.3
6510.2	6190.2	5828.6	5414.4	5019.4	4571.7	4102.8
6972.0	6597.3	6145.6	5638.2	5141.9	4632.5	4095.7
7445.0	6966.0	6365.4	5787.1	5219.9	4641.6	4048.1
7828.9	7223.2	6528.4	5863.0	5236.1	4610.2	3988.4
8100.3	7388.3	6601.4	5889.4	5215.9	4560.6	3907.3
8255.2	7478.4	6619.6	5870.1	5174.3	4489.7	3819.2
8312.0	7505.8	6601.4	5830.6	5136.9	4413.7	3757.4
8305.9	7490.6	6534.5	5738.5	5036.6	4312.5	3681.5
8191.4	7349.8	6397.8	5628.1	4951.5	4265.9	3686.6
7997.0	7260.7	6357.3	5650.4	4996.1	4366.1	3846.6
7908.9	7438.9	6585.2	5873.2	5225.0	4652.8	4176.7
7859.2	7728.6	6911.3	6113.2	5496.4	5000.1	4570.7
7656.7	7811.6	7096.6	6249.9	5738.5	5348.5	4964.7
7329.6	7618.2	6955.8	6223.6	5872.2	5615.9	5106.5
6646.9	6951.8	6328.9	5835.7	5705.0	5620.0	4893.8
5385.0	5543.0	5188.5	5077.1	5125.7	5126.7	4104.8
3971.1	3875.9	3715.9	3724.0	4051.2	4000.5	2925.9
3241.9	2653.5	2426.6	2512.7	2916.8	2699.1	1838.2
3017.1	2366.9	1953.7	1973.9	2202.8	1739.0	1107.0
2439.8	2157.2	1729.8	1552.6	1507.0	1158.6	751.5
1020.9	938.9	698.8	630.0	516.5	316.0	143.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)