

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: P159016

Luminaire Tested: **VTS-F06-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159016
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-F06-LED-E1-SLR-7050
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

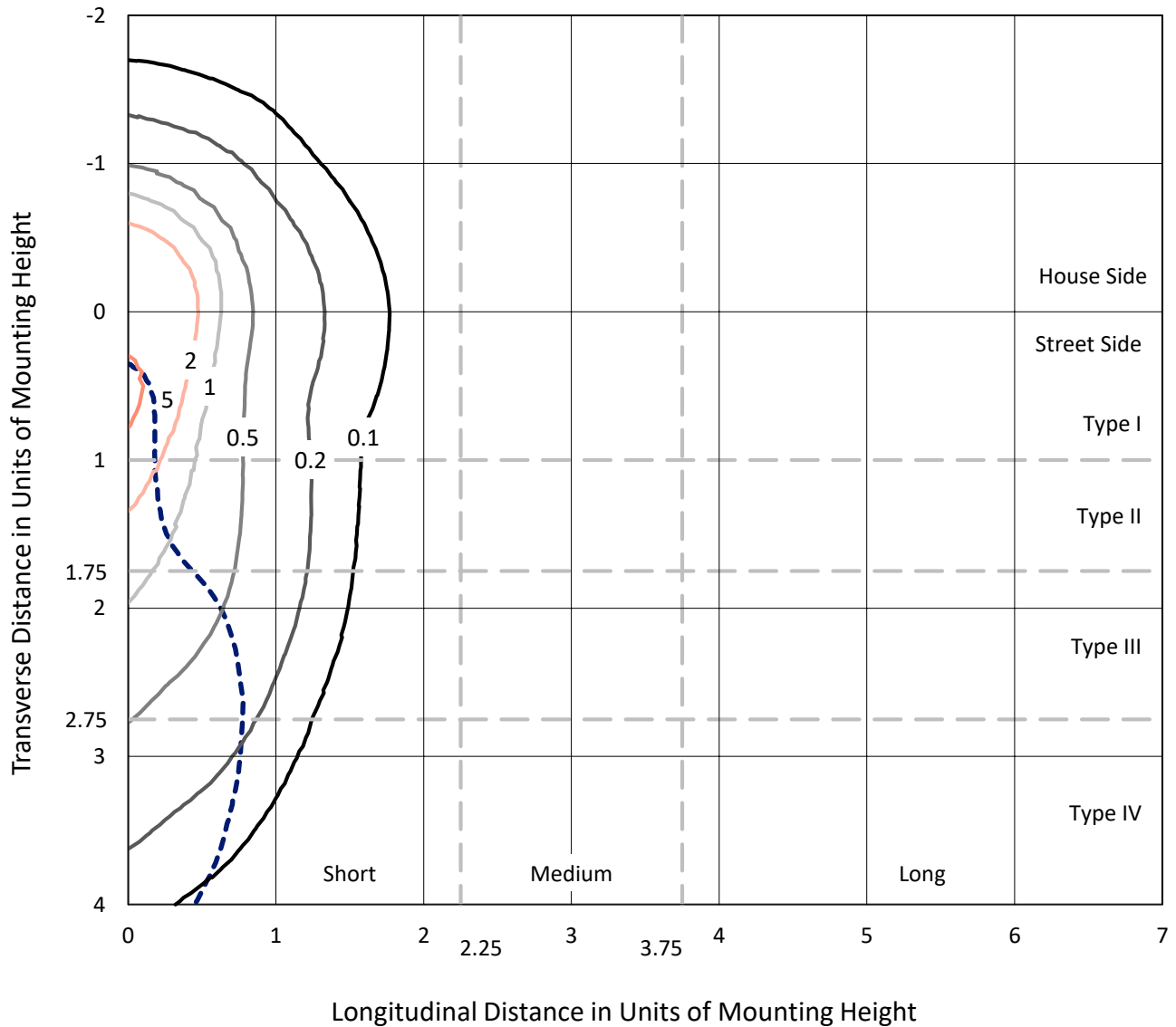
Lumens per Lamp: N/A
Luminaire Lumens: 13658 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 156.5
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

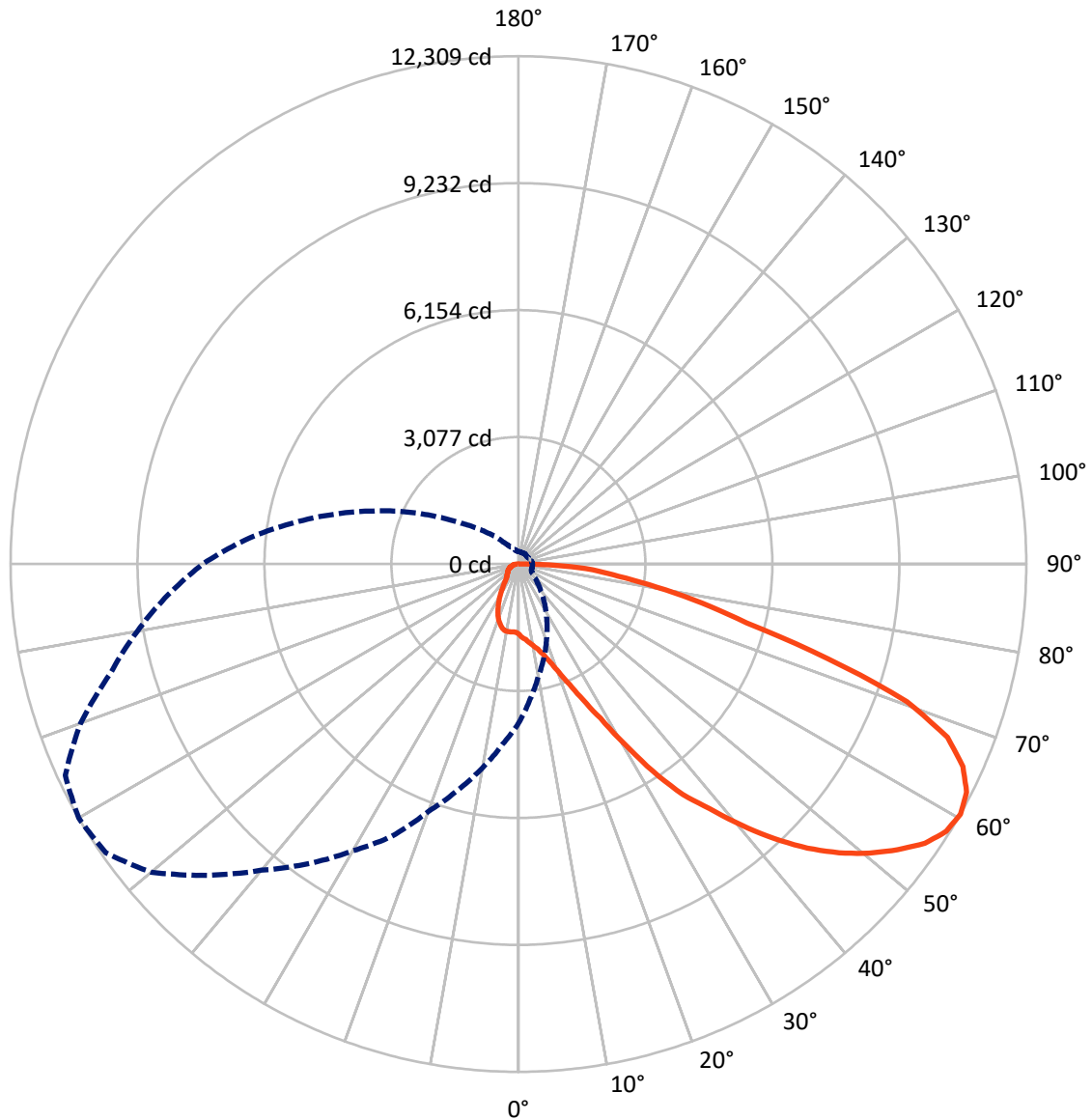
× Max cd
 - - - 1/2 Max cd



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	3075.4	0.0	3075.4
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10582.6	0.0	10582.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	13658.0	0.0	13658.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.2
10°-20°	541.1	4.0
20°-30°	1026.7	7.5
30°-40°	1616.9	11.8
40°-50°	2256.8	16.5
50°-60°	2791.1	20.4
60°-70°	2893.1	21.2
70°-80°	1820.5	13.3
80°-90°	544.2	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°	13658.0	100.0
0°-180°	13658.0	100.0



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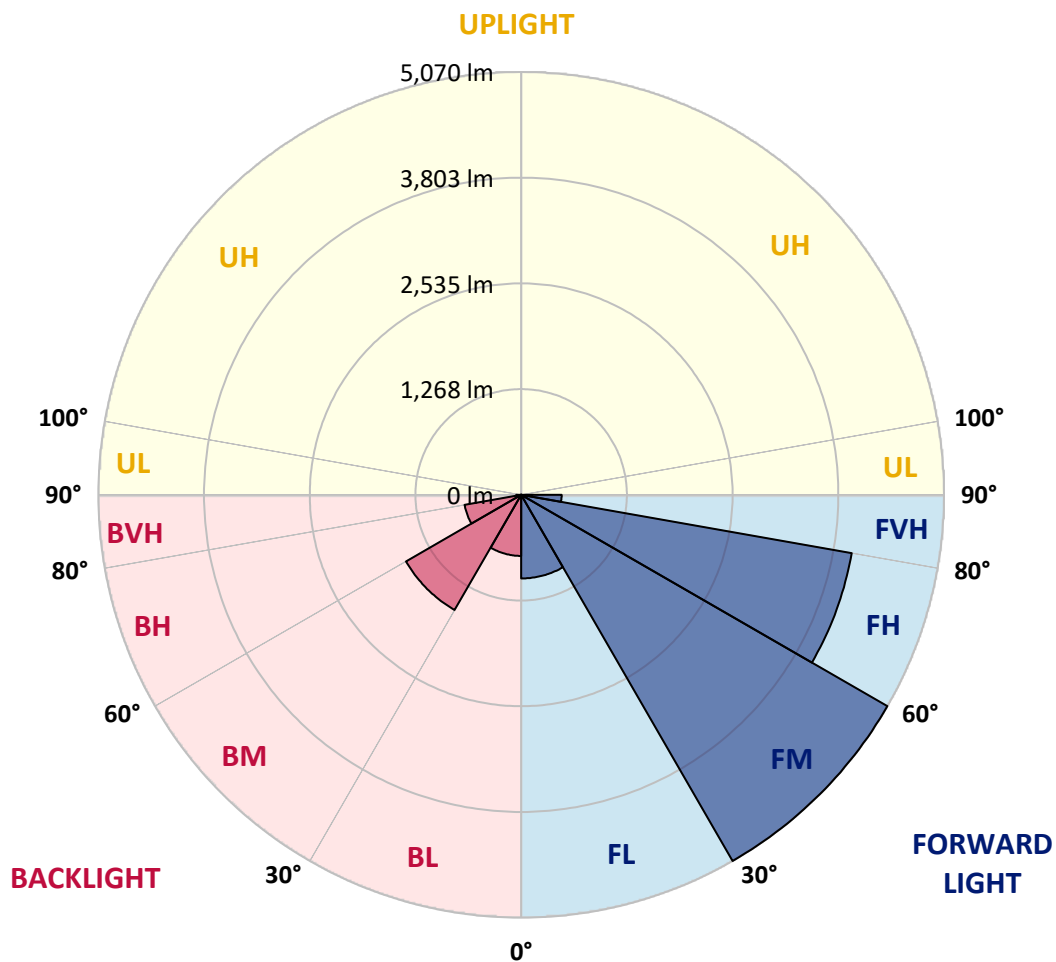
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1002.7	7.3			
FM (30°-60°)	5070.1	37.1			
FH (60°-80°)	4024.9	29.5			G2/5000
FVH (80°-90°)	485.0	3.6			G3/500
BL (0°-30°)	732.7	5.4	B2/1000		
BM (30°-60°)	1594.8	11.7	B2/2500		
BH (60°-80°)	688.7	5.0	B2/1000		G2/1000
BVH (80°-90°)	59.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1799.2	1691.4	1693.5	1690.4	1690.4	1688.4	1690.4	1688.4	1686.4	1686.4	1687.4
5°	1822.6	1703.6	1703.6	1700.6	1698.6	1696.5	1698.6	1696.5	1695.5	1693.5	1694.5
7.5°	1844.9	1710.8	1706.7	1702.6	1697.5	1699.6	1699.6	1698.6	1699.6	1698.6	1700.6
10°	1881.5	1734.1	1724.0	1714.8	1713.8	1711.8	1711.8	1708.7	1708.7	1706.7	1707.7
12.5°	1975.0	1806.3	1795.1	1778.9	1775.8	1766.7	1761.6	1755.5	1745.3	1736.2	1729.1
15°	2132.6	1926.2	1904.9	1890.7	1884.6	1866.3	1837.8	1815.5	1786.0	1760.6	1734.1
17.5°	2325.7	2086.9	2061.4	2043.1	2012.7	1962.8	1915.1	1860.2	1803.3	1751.4	1703.6
20°	2596.1	2317.6	2267.8	2224.1	2147.8	2062.5	1973.0	1877.5	1790.0	1708.7	1638.6
22.5°	2962.1	2615.4	2522.9	2406.0	2264.7	2120.4	1978.1	1845.9	1729.1	1623.3	1529.8
25°	3382.9	2900.0	2733.3	2532.1	2315.6	2116.3	1929.3	1759.5	1623.3	1487.1	1385.5
27.5°	3692.9	3137.9	2891.9	2627.6	2351.1	2097.0	1867.3	1662.0	1497.3	1358.0	1235.0
30°	3869.8	3274.1	2978.3	2668.3	2357.2	2064.5	1789.0	1551.2	1361.1	1195.4	1077.5
32.5°	3983.6	3347.3	2987.5	2627.6	2284.1	1967.9	1670.1	1423.1	1216.7	1039.9	914.8
35°	4079.2	3376.8	2944.8	2537.2	2145.8	1821.6	1517.6	1270.6	1052.1	889.4	761.4
37.5°	4117.8	3371.7	2876.7	2416.2	2010.6	1662.0	1362.1	1109.0	913.8	770.5	660.7
40°	4110.7	3324.9	2784.2	2287.1	1852.0	1495.3	1197.4	974.8	816.2	695.3	615.0
42.5°	4062.9	3262.9	2681.5	2156.0	1706.7	1357.0	1085.6	888.4	760.3	668.9	598.7
45°	4002.9	3188.7	2588.0	2036.0	1591.8	1258.4	1020.6	864.0	753.2	665.8	590.6
47.5°	3921.6	3106.4	2493.5	1950.6	1530.8	1228.9	1019.5	878.2	759.3	658.7	576.4
50°	3833.2	3046.4	2441.6	1914.1	1523.7	1247.2	1055.1	900.6	763.4	651.6	557.0
52.5°	3771.2	3020.0	2440.6	1927.3	1561.3	1298.1	1096.8	929.1	778.6	655.6	553.0
55°	3694.9	3015.9	2467.0	1984.2	1643.7	1384.5	1162.9	977.9	810.1	670.9	556.0
57.5°	3700.0	3096.2	2569.7	2124.5	1792.1	1501.4	1247.2	1037.8	840.6	680.0	550.9
60°	3860.6	3283.3	2772.0	2364.4	1986.2	1638.6	1333.6	1070.4	838.6	659.7	526.5
62.5°	4192.0	3563.8	3074.9	2645.9	2183.4	1744.3	1365.1	1061.2	808.1	616.0	486.9
65°	4587.4	3892.1	3369.7	2864.5	2303.4	1768.7	1337.7	1010.4	747.1	559.1	439.1
67.5°	4982.8	4124.9	3539.4	2926.5	2254.6	1670.1	1236.1	896.5	643.4	481.8	385.2
70°	5125.1	4172.7	3526.2	2787.2	2033.0	1425.1	1017.5	721.7	516.4	394.4	324.3
72.5°	4911.7	3873.8	3134.9	2368.4	1652.8	1104.9	746.1	532.6	394.4	309.0	264.3
75°	4119.8	3119.6	2478.2	1783.9	1193.4	781.7	538.7	388.3	296.8	245.0	211.4
77.5°	2936.6	2172.2	1688.4	1172.0	774.6	541.8	386.3	291.7	235.8	196.2	171.8
80°	1844.9	1333.6	1028.7	703.4	482.8	368.0	277.5	230.7	190.1	159.6	143.3
82.5°	1111.0	776.6	605.8	437.1	317.1	252.1	204.3	180.9	151.5	132.1	123.0
85°	754.2	571.3	397.4	258.2	191.1	148.4	139.3	125.0	112.8	94.5	91.5
87.5°	144.3	204.3	177.9	105.7	70.1	60.0	52.9	50.8	45.7	36.6	41.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1681.3	1679.2	1675.2	1675.2	1672.1	1666.0	1665.0	1660.9	1655.9	1656.9	1655.9
5°	1687.4	1683.3	1678.2	1676.2	1672.1	1666.0	1663.0	1657.9	1652.8	1652.8	1652.8
7.5°	1694.5	1689.4	1685.3	1678.2	1670.1	1664.0	1655.9	1649.8	1646.7	1645.7	1646.7
10°	1700.6	1697.5	1691.4	1681.3	1670.1	1657.9	1649.8	1641.6	1633.5	1634.5	1635.5
12.5°	1713.8	1703.6	1687.4	1672.1	1654.8	1639.6	1625.4	1615.2	1605.0	1605.0	1606.1
15°	1704.7	1675.2	1652.8	1623.3	1604.0	1579.6	1563.4	1554.2	1548.1	1546.1	1547.1
17.5°	1650.8	1615.2	1581.7	1555.2	1528.8	1509.5	1502.4	1496.3	1488.1	1492.2	1488.1
20°	1569.5	1525.8	1478.0	1446.5	1415.0	1401.7	1389.5	1383.4	1378.4	1396.7	1396.7
22.5°	1452.6	1399.7	1350.9	1312.3	1276.7	1262.5	1250.3	1243.2	1246.2	1268.6	1270.6
25°	1305.2	1241.1	1177.1	1153.7	1118.1	1107.0	1099.8	1098.8	1101.9	1124.2	1129.3
27.5°	1148.6	1081.5	1026.7	972.8	956.5	947.4	934.2	949.4	952.5	976.8	987.0
30°	981.9	909.8	851.8	816.2	781.7	786.8	775.6	793.9	802.0	827.4	835.6
32.5°	811.2	743.1	685.1	649.5	625.1	628.2	620.1	636.3	644.5	674.9	690.2
35°	670.9	612.9	566.2	535.7	524.5	513.3	511.3	513.3	521.5	544.8	572.3
37.5°	590.6	542.8	509.3	486.9	471.7	464.5	460.5	460.5	460.5	465.6	478.8
40°	556.0	513.3	483.8	462.5	452.3	448.3	445.2	442.2	437.1	435.1	436.1
42.5°	540.8	492.0	460.5	444.2	438.1	438.1	438.1	436.1	431.0	425.9	420.8
45°	525.5	472.7	441.2	430.0	426.9	427.9	427.9	427.9	423.9	417.8	408.6
47.5°	506.2	451.3	419.8	412.7	412.7	415.7	416.8	416.8	412.7	406.6	399.5
50°	482.8	423.9	395.4	389.3	386.3	386.3	386.3	386.3	383.2	379.2	374.1
52.5°	470.6	408.6	379.2	373.1	373.1	370.0	369.0	365.9	362.9	359.8	352.7
55°	466.6	402.5	372.0	367.0	367.0	363.9	360.9	357.8	352.7	347.6	340.5
57.5°	455.4	389.3	362.9	358.8	358.8	356.8	353.7	350.7	345.6	338.5	329.3
60°	430.0	367.0	344.6	343.6	343.6	342.6	340.5	340.5	335.4	328.3	317.1
62.5°	397.4	343.6	322.2	322.2	321.2	320.2	316.1	315.1	309.0	299.9	289.7
65°	365.9	323.2	309.0	304.9	302.9	299.9	297.8	292.7	287.7	279.5	269.4
67.5°	326.3	292.7	283.6	279.5	275.5	272.4	269.4	266.3	260.2	254.1	246.0
70°	283.6	259.2	254.1	253.1	248.0	245.0	244.0	240.9	234.8	228.7	218.5
72.5°	242.9	228.7	224.6	224.6	218.5	214.5	212.4	211.4	207.4	202.3	193.1
75°	196.2	186.0	185.0	190.1	190.1	187.0	185.0	187.0	180.9	177.9	168.7
77.5°	160.6	155.5	152.5	154.5	160.6	157.6	153.5	153.5	153.5	148.4	145.4
80°	136.2	132.1	129.1	131.1	130.1	129.1	127.1	123.0	123.0	123.0	122.0
82.5°	123.0	122.0	110.8	110.8	106.7	103.7	101.6	99.6	97.6	97.6	102.7
85°	92.5	95.6	89.5	88.4	83.4	79.3	75.2	73.2	71.2	74.2	84.4
87.5°	44.7	44.7	42.7	47.8	43.7	41.7	38.6	36.6	38.6	47.8	56.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1653.8	1652.8	1651.8	1649.8	1645.7	1644.7	1642.6	1642.6	1641.6	1639.6	1641.6
5°	1650.8	1652.8	1652.8	1651.8	1648.7	1650.8	1650.8	1653.8	1653.8	1655.9	1660.9
7.5°	1646.7	1651.8	1655.9	1658.9	1663.0	1666.0	1672.1	1681.3	1685.3	1692.5	1695.5
10°	1638.6	1647.7	1654.8	1664.0	1674.2	1685.3	1694.5	1708.7	1713.8	1724.0	1729.1
12.5°	1615.2	1630.5	1642.6	1660.9	1678.2	1695.5	1711.8	1730.1	1739.2	1750.4	1757.5
15°	1558.3	1575.6	1592.8	1609.1	1639.6	1673.1	1699.6	1724.0	1737.2	1751.4	1758.5
17.5°	1490.2	1501.4	1515.6	1536.9	1566.4	1595.9	1638.6	1673.1	1693.5	1709.7	1711.8
20°	1410.9	1427.2	1437.3	1445.4	1468.8	1489.2	1534.9	1574.5	1601.0	1620.3	1625.4
22.5°	1289.9	1307.2	1324.5	1330.6	1348.9	1375.3	1400.7	1443.4	1481.0	1509.5	1526.8
25°	1151.7	1167.9	1191.3	1209.6	1213.7	1235.0	1260.4	1309.2	1347.9	1393.6	1413.9
27.5°	1013.4	1027.7	1053.1	1063.2	1075.4	1096.8	1117.1	1157.8	1198.4	1251.3	1273.7
30°	851.8	882.3	911.8	931.1	941.3	966.7	980.9	1020.6	1058.2	1096.8	1129.3
32.5°	713.6	741.0	774.6	799.0	811.2	830.5	852.8	886.4	915.9	953.5	991.1
35°	586.5	624.1	646.5	667.8	699.3	708.5	730.9	761.4	778.6	819.3	862.0
37.5°	497.1	519.4	541.8	563.1	589.6	601.8	623.1	648.5	668.9	693.2	731.9
40°	442.2	454.4	470.6	484.9	504.2	519.4	530.6	552.0	567.2	591.6	619.0
42.5°	416.8	419.8	421.8	432.0	442.2	452.3	464.5	473.7	492.0	510.3	527.6
45°	402.5	396.4	393.4	394.4	398.5	404.6	414.7	424.9	437.1	448.3	458.4
47.5°	390.3	382.2	373.1	368.0	369.0	371.0	379.2	387.3	393.4	402.5	406.6
50°	361.9	354.8	346.6	339.5	340.5	341.5	348.7	354.8	358.8	361.9	367.0
52.5°	343.6	333.4	326.3	319.2	318.2	321.2	327.3	333.4	335.4	337.5	338.5
55°	330.4	320.2	311.0	303.9	300.9	308.0	310.0	318.2	321.2	321.2	322.2
57.5°	320.2	308.0	298.8	291.7	286.7	291.7	296.8	306.0	307.0	304.9	304.9
60°	304.9	295.8	286.7	279.5	274.5	278.5	282.6	292.7	292.7	287.7	286.7
62.5°	278.5	273.4	267.3	264.3	263.3	267.3	270.4	278.5	275.5	269.4	267.3
65°	259.2	255.1	249.0	247.0	246.0	252.1	253.1	258.2	254.1	251.1	250.1
67.5°	235.8	232.8	229.7	228.7	225.7	225.7	227.7	230.7	228.7	228.7	229.7
70°	209.4	205.3	202.3	203.3	201.3	201.3	202.3	204.3	203.3	205.3	207.4
72.5°	185.0	179.9	178.9	178.9	176.9	177.9	177.9	178.9	180.9	182.0	187.0
75°	161.6	156.5	156.5	155.5	155.5	155.5	156.5	158.6	160.6	161.6	163.7
77.5°	140.3	137.2	138.2	137.2	137.2	137.2	137.2	140.3	141.3	142.3	145.4
80°	121.0	121.0	122.0	122.0	121.0	119.9	121.0	123.0	124.0	125.0	126.0
82.5°	109.8	110.8	110.8	110.8	105.7	103.7	106.7	108.8	110.8	111.8	113.8
85°	94.5	90.5	94.5	93.5	86.4	85.4	85.4	86.4	88.4	86.4	86.4
87.5°	61.0	54.9	57.9	57.9	50.8	41.7	52.9	56.9	50.8	53.9	53.9
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1644.7	1642.6	1643.7	1643.7	1645.7	1642.6	1646.7	1650.8	1651.8	1651.8	1652.8
5°	1666.0	1664.0	1671.1	1668.1	1675.2	1674.2	1679.2	1683.3	1685.3	1685.3	1685.3
7.5°	1699.6	1706.7	1710.8	1721.9	1723.0	1729.1	1734.1	1739.2	1737.2	1738.2	1737.2
10°	1737.2	1746.3	1756.5	1767.7	1768.7	1775.8	1783.9	1789.0	1787.0	1786.0	1782.9
12.5°	1769.7	1775.8	1788.0	1799.2	1805.3	1816.5	1824.6	1828.7	1828.7	1825.6	1822.6
15°	1767.7	1776.8	1790.0	1806.3	1817.5	1833.7	1848.0	1857.1	1858.1	1855.1	1854.1
17.5°	1723.0	1736.2	1748.4	1770.7	1791.1	1813.4	1836.8	1850.0	1862.2	1869.3	1873.4
20°	1642.6	1658.9	1676.2	1705.7	1733.1	1762.6	1790.0	1809.4	1827.7	1849.0	1874.4
22.5°	1548.1	1572.5	1596.9	1634.5	1668.1	1701.6	1733.1	1756.5	1785.0	1821.6	1869.3
25°	1437.3	1462.7	1493.2	1536.9	1579.6	1628.4	1675.2	1721.9	1776.8	1839.8	1914.1
27.5°	1306.2	1334.7	1374.3	1427.2	1475.9	1525.8	1598.9	1673.1	1762.6	1843.9	1928.3
30°	1176.1	1212.7	1255.4	1308.2	1357.0	1428.2	1501.4	1592.8	1687.4	1778.9	1879.5
32.5°	1035.8	1081.5	1134.4	1178.1	1233.0	1305.2	1378.4	1475.9	1576.6	1684.3	1795.1
35°	900.6	944.3	986.0	1034.8	1089.7	1157.8	1228.9	1322.5	1449.5	1564.4	1696.5
37.5°	763.4	804.0	833.5	872.1	919.9	995.1	1071.4	1179.1	1299.1	1440.4	1572.5
40°	643.4	677.0	710.5	741.0	781.7	852.8	934.2	1039.9	1157.8	1295.0	1442.4
42.5°	547.9	573.3	609.9	646.5	681.0	742.0	818.3	922.0	1038.9	1179.1	1326.5
45°	467.6	484.9	514.3	544.8	587.5	638.4	711.5	817.3	936.2	1077.5	1233.0
47.5°	409.6	417.8	438.1	469.6	509.3	559.1	622.1	717.6	833.5	975.8	1139.5
50°	370.0	379.2	389.3	415.7	451.3	502.1	554.0	637.3	743.1	882.3	1045.0
52.5°	342.6	346.6	350.7	367.0	399.5	442.2	497.1	560.1	666.8	800.0	946.4
55°	326.3	327.3	330.4	338.5	362.9	402.5	450.3	510.3	593.6	719.7	869.1
57.5°	307.0	309.0	312.1	317.1	332.4	368.0	408.6	457.4	526.5	632.3	775.6
60°	288.7	293.8	298.8	301.9	310.0	331.4	365.9	404.6	460.5	539.8	653.6
62.5°	269.4	275.5	279.5	282.6	285.6	298.8	324.3	349.7	384.2	436.1	521.5
65°	252.1	256.2	259.2	261.2	263.3	267.3	278.5	288.7	298.8	330.4	392.4
67.5°	232.8	234.8	235.8	236.8	235.8	235.8	236.8	240.9	245.0	257.2	286.7
70°	210.4	213.5	213.5	214.5	214.5	211.4	211.4	211.4	211.4	214.5	230.7
72.5°	189.1	193.1	193.1	194.1	193.1	192.1	192.1	192.1	195.2	197.2	203.3
75°	168.7	172.8	171.8	172.8	173.8	173.8	175.9	176.9	179.9	180.9	185.0
77.5°	148.4	151.5	152.5	151.5	153.5	155.5	159.6	161.6	162.6	163.7	164.7
80°	129.1	131.1	130.1	127.1	132.1	135.2	141.3	148.4	146.4	147.4	149.4
82.5°	106.7	103.7	101.6	103.7	106.7	110.8	116.9	126.0	127.1	132.1	131.1
85°	82.3	73.2	72.2	77.3	76.2	81.3	91.5	98.6	104.7	109.8	104.7
87.5°	48.8	43.7	36.6	34.6	37.6	49.8	51.8	63.0	68.1	70.1	63.0
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°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1745.3	1750.4	1750.4	1752.4	1755.5	1756.5	1760.6	1767.7	1768.7	1768.7	1771.7
5°	1777.8	1782.9	1782.9	1787.0	1788.0	1793.1	1798.2	1806.3	1810.4	1809.4	1822.6
7.5°	1830.7	1826.6	1823.6	1829.7	1832.7	1838.8	1849.0	1856.1	1863.2	1874.4	1892.7
10°	1875.4	1869.3	1866.3	1870.3	1872.4	1879.5	1885.6	1895.8	1913.0	1930.3	1952.7
12.5°	1912.0	1904.9	1896.8	1898.8	1901.9	1911.0	1921.2	1934.4	1959.8	1982.2	2015.7
15°	1942.5	1932.3	1924.2	1928.3	1935.4	1947.6	1964.9	1988.3	2029.9	2068.6	2113.3
17.5°	1972.0	1970.0	1966.9	1980.1	1985.2	2013.7	2039.1	2081.8	2138.7	2196.6	2260.7
20°	2000.5	2022.8	2034.0	2060.4	2076.7	2115.3	2153.9	2205.8	2278.0	2357.2	2444.7
22.5°	2040.1	2101.1	2138.7	2192.6	2220.0	2261.7	2318.6	2386.7	2467.0	2568.7	2680.5
25°	2134.6	2224.1	2299.3	2383.7	2452.8	2516.8	2584.9	2667.3	2783.2	2875.7	3022.0
27.5°	2176.3	2302.4	2415.2	2534.1	2637.8	2736.4	2844.1	2943.8	3081.0	3206.0	3382.9
30°	2136.7	2279.0	2425.3	2580.9	2732.3	2881.8	3038.3	3190.8	3349.3	3524.2	3712.2
32.5°	2063.5	2223.1	2387.7	2570.7	2758.8	2952.9	3156.2	3377.8	3601.4	3819.0	4011.1
35°	1989.3	2161.1	2344.0	2553.4	2775.0	3015.9	3268.0	3548.6	3844.4	4119.8	4370.9
37.5°	1881.5	2070.6	2280.0	2521.9	2785.2	3082.0	3406.3	3751.9	4125.9	4505.1	4834.4
40°	1751.4	1951.7	2180.4	2458.9	2775.0	3150.1	3571.9	4015.1	4495.9	4958.4	5363.0
42.5°	1632.5	1827.7	2071.6	2374.5	2748.6	3210.1	3729.5	4281.5	4850.7	5368.1	5896.7
45°	1527.8	1743.3	1988.3	2315.6	2735.4	3260.9	3846.4	4480.7	5132.3	5748.3	6372.4
47.5°	1432.2	1655.9	1930.3	2283.0	2729.3	3291.4	3927.7	4610.8	5332.5	6040.0	6764.7
50°	1333.6	1551.2	1844.9	2247.5	2714.0	3290.4	3970.4	4699.2	5472.8	6266.7	7035.1
52.5°	1227.9	1446.5	1741.2	2182.4	2681.5	3272.1	3981.6	4759.2	5583.6	6405.9	7264.9
55°	1131.4	1335.7	1630.5	2073.6	2613.4	3227.4	3956.2	4784.6	5661.9	6544.2	7426.5
57.5°	1020.6	1233.0	1513.6	1924.2	2485.3	3148.1	3884.0	4749.0	5684.2	6636.7	7554.6
60°	868.1	1076.5	1365.1	1747.3	2285.1	2980.4	3749.8	4641.3	5613.1	6652.9	7646.0
62.5°	693.2	873.2	1151.7	1503.4	2003.5	2717.1	3501.8	4399.4	5391.5	6500.5	7599.3
65°	515.4	635.3	875.2	1184.2	1677.2	2320.6	3102.3	3993.8	4958.4	6076.6	7305.5
67.5°	358.8	445.2	592.6	822.3	1219.8	1792.1	2532.1	3360.5	4288.6	5291.9	6695.6
70°	271.4	311.0	391.3	519.4	789.8	1220.8	1840.9	2578.8	3439.8	4406.5	5728.9
72.5°	231.8	252.1	296.8	355.8	483.8	742.0	1155.7	1774.8	2538.2	3324.9	4395.3
75°	208.4	225.7	254.1	291.7	342.6	450.3	678.0	1123.2	1681.3	2227.1	3066.8
77.5°	189.1	204.3	229.7	249.0	276.5	324.3	432.0	671.9	1007.3	1376.3	1902.9
80°	168.7	177.9	201.3	220.6	241.9	269.4	310.0	421.8	578.4	815.2	1122.2
82.5°	144.3	151.5	168.7	195.2	211.4	222.6	234.8	279.5	346.6	442.2	623.1
85°	111.8	116.9	132.1	151.5	158.6	159.6	161.6	173.8	215.5	331.4	536.7
87.5°	56.9	63.0	79.3	85.4	72.2	78.3	79.3	84.4	111.8	182.0	185.0
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	0°
2.5°	1771.7	1774.8	1781.9	1780.9	1786.0	1786.0	1786.0	1791.1	1788.0	1791.1	1796.1	2.5°
5°	1822.6	1827.7	1837.8	1837.8	1838.8	1835.8	1841.9	1845.9	1840.9	1838.8	1839.8	5°
7.5°	1896.8	1904.9	1913.0	1921.2	1927.3	1924.2	1925.2	1916.1	1914.1	1906.9	1897.8	7.5°
10°	1968.9	1991.3	2006.6	2020.8	2021.8	2018.8	2019.8	2004.5	2001.5	1987.2	1978.1	10°
12.5°	2043.1	2071.6	2096.0	2111.3	2120.4	2122.4	2123.4	2123.4	2109.2	2097.0	2075.7	12.5°
15°	2152.9	2202.7	2240.3	2256.6	2269.8	2282.0	2285.1	2289.1	2278.0	2261.7	2258.6	15°
17.5°	2326.7	2373.5	2423.3	2467.0	2496.5	2498.5	2523.9	2521.9	2545.3	2527.0	2521.9	17.5°
20°	2533.1	2634.7	2686.6	2744.5	2778.1	2794.3	2853.3	2835.0	2852.3	2881.8	2852.3	20°
22.5°	2791.3	2920.4	2995.6	3074.9	3129.8	3169.4	3212.1	3245.7	3292.4	3314.8	3294.4	22.5°
25°	3133.8	3281.2	3370.7	3480.5	3567.9	3639.0	3713.2	3802.7	3801.7	3855.5	3893.2	25°
27.5°	3527.2	3715.3	3845.4	4038.5	4113.7	4233.7	4360.7	4499.0	4523.4	4593.5	4629.1	27.5°
30°	3897.2	4130.0	4388.2	4617.9	4878.1	5056.0	5203.4	5301.0	5448.4	5411.8	5391.5	30°
32.5°	4238.8	4548.8	4916.8	5293.9	5706.6	5988.1	6248.4	6369.3	6460.8	6266.7	6009.5	32.5°
35°	4682.0	5053.0	5473.8	5939.4	6463.9	6863.3	7131.7	7169.3	7117.5	6868.4	6442.5	35°
37.5°	5230.9	5620.2	6098.9	6590.9	7148.0	7523.0	7829.0	7883.9	7746.7	7302.5	6855.2	37.5°
40°	5772.7	6229.1	6748.5	7330.9	7908.3	8321.0	8628.0	8644.2	8420.6	7901.2	7377.7	40°
42.5°	6365.3	6864.4	7442.7	8088.2	8684.9	9102.7	9324.3	9394.4	9078.3	8412.5	7910.3	42.5°
45°	6876.6	7473.2	8117.7	8803.8	9428.0	9824.4	10050.0	10027.7	9645.5	8987.8	8399.3	45°
47.5°	7374.6	8031.3	8710.3	9439.1	10059.2	10459.7	10691.4	10671.1	10186.3	9429.0	8781.5	47.5°
50°	7817.8	8530.4	9256.2	10034.8	10652.8	11019.8	11303.4	11213.9	10601.0	9783.7	9027.5	50°
52.5°	8125.8	8920.7	9679.0	10520.7	11157.0	11504.6	11865.5	11577.8	10846.0	10001.3	9159.6	52.5°
55°	8321.0	9189.1	9979.9	10911.0	11536.2	11951.9	12184.7	11776.0	10940.5	10061.2	9205.3	55°
57.5°	8453.1	9336.5	10156.8	11136.7	11877.7	12226.4	12283.3	11783.2	10879.5	9966.7	9159.6	57.5°
60°	8518.2	9380.2	10237.1	11295.2	12117.6	12308.7	12205.0	11618.5	10669.1	9689.2	8864.8	60°
62.5°	8511.1	9325.3	10195.4	11348.1	12165.4	12189.8	11953.9	11337.9	10281.8	9106.7	8374.9	62.5°
65°	8330.1	9125.0	9960.6	11151.9	11942.7	11838.1	11541.2	10811.4	9528.6	8346.4	7976.4	65°
67.5°	7808.7	8571.0	9346.6	10509.5	11315.6	11213.9	10764.6	9776.6	8653.4	7673.5	7474.3	67.5°
70°	6936.5	7583.0	8264.1	9285.6	10131.4	9994.1	9208.4	8607.6	7786.3	6895.9	6826.8	70°
72.5°	5799.1	6289.0	6783.0	7543.4	8125.8	7845.3	7351.3	7319.7	6656.0	5975.9	5990.2	72.5°
75°	4535.6	4903.6	5134.3	5581.6	5968.8	5717.8	5747.2	5922.1	5703.5	5167.8	4994.0	75°
77.5°	3286.3	3639.0	3712.2	3977.5	4249.9	4535.6	4913.7	5325.4	5394.5	5093.6	4463.4	77.5°
80°	2150.9	2539.2	2394.9	2489.4	2872.6	3394.1	4084.3	4762.3	4995.0	4724.6	3949.1	80°
82.5°	1268.6	1812.4	1582.7	1744.3	1987.2	2441.6	2918.3	3429.6	3819.0	3531.3	3298.5	82.5°
85°	963.6	1429.2	1513.6	1709.7	1789.0	1808.3	1891.7	2058.4	2259.7	2334.9	2328.8	85°
87.5°	502.1	1111.0	1247.2	1153.7	1076.5	933.1	727.8	783.7	716.6	979.9	928.1	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°
1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
1797.2	1794.1	1796.1	1797.2	1797.2	1797.2	1799.2
1838.8	1830.7	1827.7	1827.7	1826.6	1823.6	1822.6
1883.6	1869.3	1864.2	1858.1	1853.1	1850.0	1844.9
1963.9	1951.7	1926.2	1912.0	1898.8	1889.7	1881.5
2071.6	2054.3	2029.9	2011.6	1991.3	1985.2	1975.0
2238.3	2223.1	2201.7	2181.4	2169.2	2147.8	2132.6
2498.5	2468.0	2446.7	2420.3	2390.8	2347.1	2325.7
2841.1	2780.1	2737.4	2714.0	2655.1	2648.0	2596.1
3234.5	3216.2	3151.1	3122.7	3065.7	3043.4	2962.1
3823.0	3808.8	3675.6	3661.4	3574.0	3508.9	3382.9
4596.6	4479.7	4329.2	4224.5	4075.1	3907.4	3692.9
5272.5	5033.7	4803.9	4560.0	4353.6	4112.7	3869.8
5703.5	5383.3	5087.5	4837.5	4582.3	4295.7	3983.6
6081.7	5758.4	5436.2	5140.4	4831.4	4464.4	4079.2
6534.0	6212.8	5849.9	5434.2	5037.7	4588.4	4117.8
6997.5	6621.4	6168.1	5658.8	5160.7	4649.4	4110.7
7472.2	6991.4	6388.6	5808.2	5239.0	4658.6	4062.9
7857.5	7249.6	6552.3	5884.5	5255.3	4627.1	4002.9
8129.9	7415.3	6625.5	5910.9	5234.9	4577.3	3921.6
8285.4	7505.8	6643.8	5891.6	5193.3	4506.1	3833.2
8342.3	7533.2	6625.5	5851.9	5155.6	4429.9	3771.2
8336.2	7518.0	6558.4	5759.4	5055.0	4328.2	3694.9
8221.4	7376.7	6421.2	5648.6	4969.6	4281.5	3700.0
8026.2	7287.2	6380.5	5671.0	5014.3	4382.1	3860.6
7937.8	7466.1	6609.2	5894.6	5244.1	4669.8	4192.0
7888.0	7756.8	6936.5	6135.5	5516.5	5018.4	4587.4
7684.7	7840.2	7122.6	6272.8	5759.4	5368.1	4982.8
7356.3	7646.0	6981.3	6246.3	5893.6	5636.4	5125.1
6671.2	6977.2	6352.1	5857.0	5725.9	5640.5	4911.7
5404.7	5563.3	5207.5	5095.7	5144.5	5145.5	4119.8
3985.7	3890.1	3729.5	3737.6	4066.0	4015.1	2936.6
3253.8	2663.2	2435.5	2521.9	2927.5	2708.9	1844.9
3028.1	2375.5	1960.8	1981.1	2210.9	1745.3	1111.0
2448.7	2165.1	1736.2	1558.3	1512.5	1162.9	754.2
1024.6	942.3	701.4	632.3	518.4	317.1	144.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)