

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: P159015

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159015
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
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

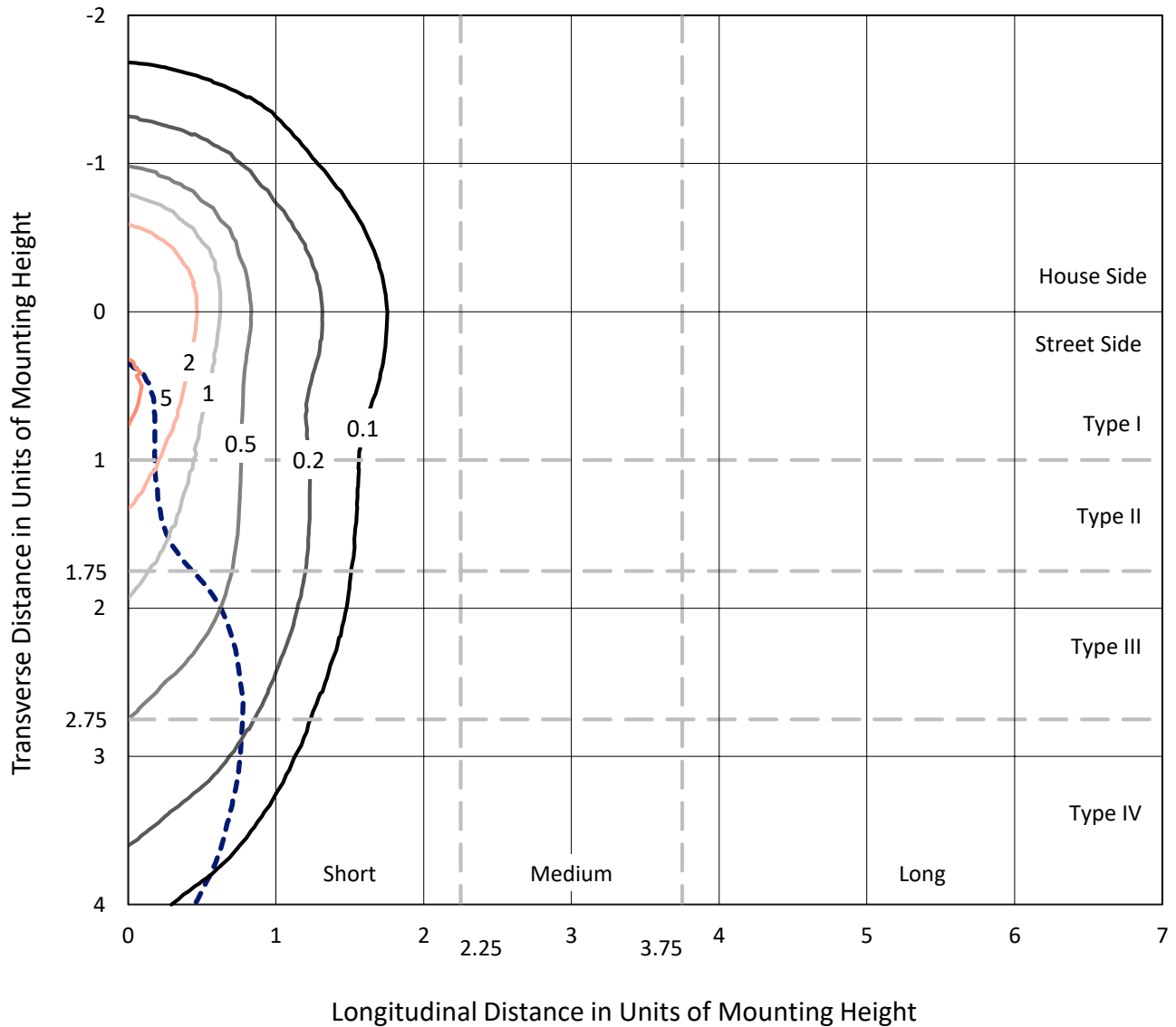
Lumens per Lamp: N/A
Luminaire Lumens: 13310.5 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

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

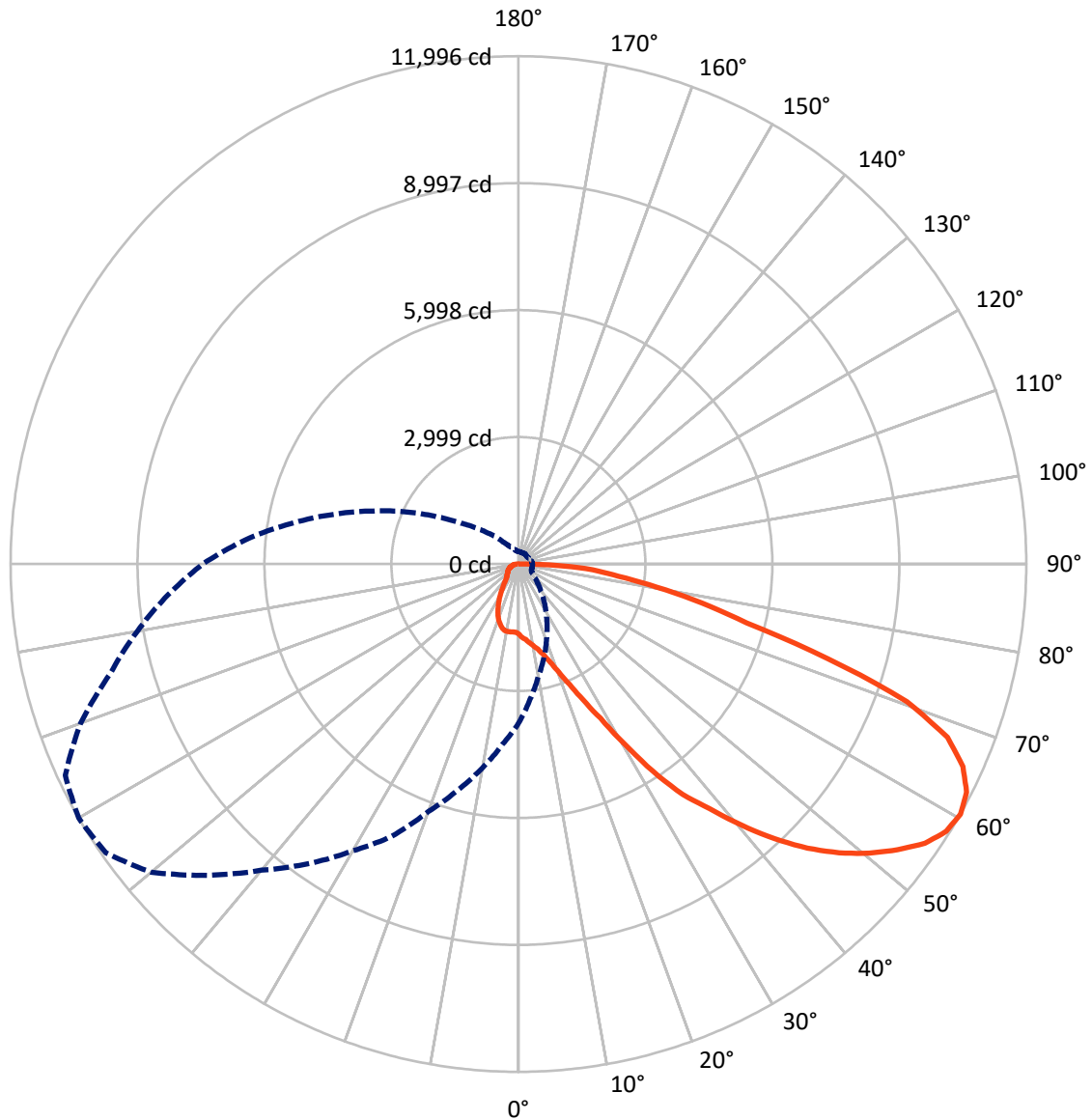
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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	2997.1	0.0	2997.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10313.4	0.0	10313.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	13310.5	0.0	13310.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	1.2
10°-20°	527.3	4.0
20°-30°	1000.6	7.5
30°-40°	1575.8	11.8
40°-50°	2199.4	16.5
50°-60°	2720.1	20.4
60°-70°	2819.5	21.2
70°-80°	1774.2	13.3
80°-90°	530.3	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°	13310.5	100.0
0°-180°	13310.5	100.0



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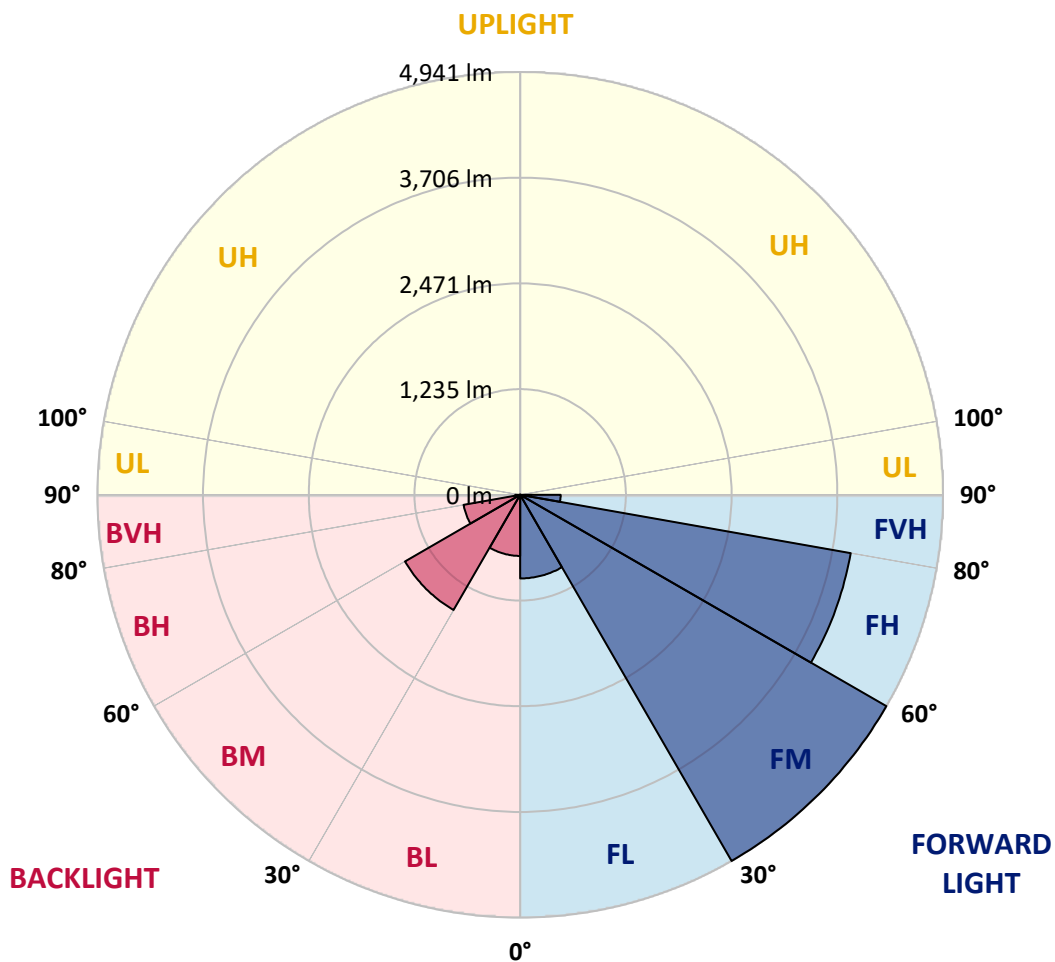
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.2	7.3			
FM (30°-60°)	4941.1	37.1			
FH (60°-80°)	3922.5	29.5			G2/5000
FVH (80°-90°)	472.6	3.6			G3/500
BL (0°-30°)	714.0	5.4	B2/1000		
BM (30°-60°)	1554.2	11.7	B2/2500		
BH (60°-80°)	671.2	5.0	B2/1000		G2/1000
BVH (80°-90°)	57.7	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1753.4	1648.4	1650.4	1647.4	1647.4	1645.4	1647.4	1645.4	1643.5	1643.5	1644.4
5°	1776.2	1660.3	1660.3	1657.3	1655.3	1653.4	1655.3	1653.4	1652.4	1650.4	1651.4
7.5°	1798.0	1667.2	1663.3	1659.3	1654.4	1656.3	1656.3	1655.3	1656.3	1655.3	1657.3
10°	1833.7	1690.0	1680.1	1671.2	1670.2	1668.2	1668.2	1665.2	1665.2	1663.3	1664.3
12.5°	1924.8	1760.3	1749.5	1733.6	1730.6	1721.7	1716.8	1710.8	1700.9	1692.0	1685.1
15°	2078.3	1877.2	1856.4	1842.6	1836.6	1818.8	1791.1	1769.3	1740.5	1715.8	1690.0
17.5°	2266.6	2033.8	2009.0	1991.2	1961.4	1912.9	1866.3	1812.9	1757.4	1706.9	1660.3
20°	2530.1	2258.6	2210.1	2167.5	2093.2	2010.0	1922.8	1829.7	1744.5	1665.2	1596.9
22.5°	2886.7	2548.9	2458.7	2344.8	2207.1	2066.5	1927.8	1799.0	1685.1	1582.0	1490.9
25°	3296.8	2826.3	2663.8	2467.7	2256.7	2062.5	1880.2	1714.8	1582.0	1449.3	1350.2
27.5°	3599.0	3058.1	2818.3	2560.8	2291.3	2043.7	1819.8	1619.7	1459.2	1323.5	1203.6
30°	3771.3	3190.8	2902.5	2600.4	2297.3	2012.0	1743.5	1511.7	1326.5	1165.0	1050.1
32.5°	3882.3	3262.1	2911.5	2560.8	2225.9	1917.9	1627.6	1386.9	1185.8	1013.4	891.6
35°	3975.4	3290.9	2869.9	2472.6	2091.2	1775.2	1479.0	1238.3	1025.3	866.8	742.0
37.5°	4013.0	3285.9	2803.5	2354.7	1959.5	1619.7	1327.4	1080.8	890.6	750.9	643.9
40°	4006.1	3240.4	2713.3	2228.9	1804.9	1457.2	1167.0	950.0	795.5	677.6	599.3
42.5°	3959.5	3179.9	2613.3	2101.1	1663.3	1322.5	1058.0	865.8	741.0	651.8	583.5
45°	3901.1	3107.6	2522.1	1984.2	1551.3	1226.4	994.6	842.0	734.1	648.9	575.6
47.5°	3821.9	3027.4	2430.0	1901.0	1491.9	1197.7	993.6	855.9	740.0	641.9	561.7
50°	3735.7	2968.9	2379.5	1865.4	1485.0	1215.5	1028.3	877.7	744.0	635.0	542.9
52.5°	3675.2	2943.2	2378.5	1878.2	1521.6	1265.0	1068.9	905.4	758.8	639.0	538.9
55°	3600.9	2939.2	2404.3	1933.7	1601.8	1349.2	1133.3	953.0	789.5	653.8	541.9
57.5°	3605.9	3017.5	2504.3	2070.4	1746.5	1463.2	1215.5	1011.4	819.3	662.7	536.9
60°	3762.4	3199.7	2701.4	2304.2	1935.7	1596.9	1299.7	1043.1	817.3	642.9	513.1
62.5°	4085.4	3473.1	2996.7	2578.6	2127.9	1699.9	1330.4	1034.2	787.6	600.3	474.5
65°	4470.7	3793.1	3283.9	2791.6	2244.8	1723.7	1303.7	984.7	728.1	544.8	428.0
67.5°	4856.1	4020.0	3449.4	2852.0	2197.2	1627.6	1204.6	873.7	627.1	469.6	375.4
70°	4994.8	4066.5	3436.5	2716.3	1981.3	1388.9	991.6	703.3	503.2	384.4	316.0
72.5°	4786.7	3775.3	3055.1	2308.2	1610.8	1076.8	727.1	519.1	384.4	301.2	257.6
75°	4015.0	3040.2	2415.2	1738.6	1163.0	761.8	525.0	378.4	289.3	238.7	206.1
77.5°	2861.9	2117.0	1645.4	1142.2	754.9	528.0	376.4	284.3	229.8	191.2	167.4
80°	1798.0	1299.7	1002.5	685.5	470.5	358.6	270.4	224.9	185.2	155.5	139.7
82.5°	1082.8	756.8	590.4	426.0	309.1	245.7	199.1	176.3	147.6	128.8	119.9
85°	735.0	556.7	387.3	251.6	186.2	144.6	135.7	121.8	110.0	92.1	89.2
87.5°	140.7	199.1	173.4	103.0	68.4	58.4	51.5	49.5	44.6	35.7	40.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1638.5	1636.5	1632.6	1632.6	1629.6	1623.6	1622.7	1618.7	1613.7	1614.7	1613.7
5°	1644.4	1640.5	1635.5	1633.5	1629.6	1623.6	1620.7	1615.7	1610.8	1610.8	1610.8
7.5°	1651.4	1646.4	1642.5	1635.5	1627.6	1621.7	1613.7	1607.8	1604.8	1603.8	1604.8
10°	1657.3	1654.4	1648.4	1638.5	1627.6	1615.7	1607.8	1599.9	1591.9	1592.9	1593.9
12.5°	1670.2	1660.3	1644.4	1629.6	1612.7	1597.9	1584.0	1574.1	1564.2	1564.2	1565.2
15°	1661.3	1632.6	1610.8	1582.0	1563.2	1539.4	1523.6	1514.7	1508.7	1506.7	1507.7
17.5°	1608.8	1574.1	1541.4	1515.7	1489.9	1471.1	1464.2	1458.2	1450.3	1454.2	1450.3
20°	1529.5	1486.9	1440.4	1409.7	1379.0	1366.1	1354.2	1348.2	1343.3	1361.1	1361.1
22.5°	1415.6	1364.1	1316.5	1278.9	1244.2	1230.4	1218.5	1211.5	1214.5	1236.3	1238.3
25°	1272.0	1209.6	1147.1	1124.4	1089.7	1078.8	1071.9	1070.9	1073.8	1095.6	1100.6
27.5°	1119.4	1054.0	1000.5	948.0	932.2	923.3	910.4	925.2	928.2	952.0	961.9
30°	956.9	886.6	830.1	795.5	761.8	766.7	755.9	773.7	781.6	806.4	814.3
32.5°	790.5	724.2	667.7	633.0	609.2	612.2	604.3	620.1	628.1	657.8	672.6
35°	653.8	597.3	551.8	522.1	511.2	500.3	498.3	500.3	508.2	531.0	557.7
37.5°	575.6	529.0	496.3	474.5	459.7	452.7	448.8	448.8	448.8	453.7	466.6
40°	541.9	500.3	471.5	450.7	440.8	436.9	433.9	430.9	426.0	424.0	425.0
42.5°	527.0	479.5	448.8	432.9	427.0	427.0	427.0	425.0	420.0	415.1	410.1
45°	512.2	460.6	429.9	419.0	416.1	417.1	417.1	417.1	413.1	407.1	398.2
47.5°	493.3	439.8	409.1	402.2	402.2	405.2	406.2	406.2	402.2	396.3	389.3
50°	470.5	413.1	385.4	379.4	376.4	376.4	376.4	376.4	373.5	369.5	364.6
52.5°	458.7	398.2	369.5	363.6	363.6	360.6	359.6	356.6	353.7	350.7	343.7
55°	454.7	392.3	362.6	357.6	357.6	354.6	351.7	348.7	343.7	338.8	331.9
57.5°	443.8	379.4	353.7	349.7	349.7	347.7	344.7	341.8	336.8	329.9	321.0
60°	419.0	357.6	335.8	334.8	334.8	333.8	331.9	331.9	326.9	320.0	309.1
62.5°	387.3	334.8	314.0	314.0	313.0	312.0	308.1	307.1	301.2	292.2	282.3
65°	356.6	315.0	301.2	297.2	295.2	292.2	290.3	285.3	280.3	272.4	262.5
67.5°	318.0	285.3	276.4	272.4	268.5	265.5	262.5	259.5	253.6	247.7	239.7
70°	276.4	252.6	247.7	246.7	241.7	238.7	237.8	234.8	228.8	222.9	213.0
72.5°	236.8	222.9	218.9	218.9	213.0	209.0	207.0	206.1	202.1	197.1	188.2
75°	191.2	181.3	180.3	185.2	185.2	182.3	180.3	182.3	176.3	173.4	164.4
77.5°	156.5	151.6	148.6	150.6	156.5	153.5	149.6	149.6	149.6	144.6	141.7
80°	132.7	128.8	125.8	127.8	126.8	125.8	123.8	119.9	119.9	119.9	118.9
82.5°	119.9	118.9	108.0	108.0	104.0	101.0	99.1	97.1	95.1	95.1	100.1
85°	90.1	93.1	87.2	86.2	81.2	77.3	73.3	71.3	69.3	72.3	82.2
87.5°	43.6	43.6	41.6	46.6	42.6	40.6	37.6	35.7	37.6	46.6	55.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1611.8	1610.8	1609.8	1607.8	1603.8	1602.8	1600.9	1600.9	1599.9	1597.9	1599.9
5°	1608.8	1610.8	1610.8	1609.8	1606.8	1608.8	1608.8	1611.8	1611.8	1613.7	1618.7
7.5°	1604.8	1609.8	1613.7	1616.7	1620.7	1623.6	1629.6	1638.5	1642.5	1649.4	1652.4
10°	1596.9	1605.8	1612.7	1621.7	1631.6	1642.5	1651.4	1665.2	1670.2	1680.1	1685.1
12.5°	1574.1	1589.0	1600.9	1618.7	1635.5	1652.4	1668.2	1686.1	1695.0	1705.9	1712.8
15°	1518.6	1535.5	1552.3	1568.2	1597.9	1630.6	1656.3	1680.1	1693.0	1706.9	1713.8
17.5°	1452.3	1463.2	1477.0	1497.8	1526.6	1555.3	1596.9	1630.6	1650.4	1666.2	1668.2
20°	1375.0	1390.8	1400.8	1408.7	1431.5	1451.3	1495.9	1534.5	1560.2	1579.1	1584.0
22.5°	1257.1	1274.0	1290.8	1296.7	1314.6	1340.3	1365.1	1406.7	1443.3	1471.1	1487.9
25°	1122.4	1138.2	1161.0	1178.8	1182.8	1203.6	1228.4	1275.9	1313.6	1358.2	1378.0
27.5°	987.7	1001.5	1026.3	1036.2	1048.1	1068.9	1088.7	1128.3	1168.0	1219.5	1241.3
30°	830.1	859.9	888.6	907.4	917.3	942.1	956.0	994.6	1031.2	1068.9	1100.6
32.5°	695.4	722.2	754.9	778.6	790.5	809.3	831.1	863.8	892.6	929.2	965.9
35°	571.6	608.2	630.0	650.8	681.6	690.5	712.3	742.0	758.8	798.4	840.1
37.5°	484.4	506.2	528.0	548.8	574.6	586.5	607.3	632.0	651.8	675.6	713.3
40°	430.9	442.8	458.7	472.5	491.4	506.2	517.1	537.9	552.8	576.5	603.3
42.5°	406.2	409.1	411.1	421.0	430.9	440.8	452.7	461.6	479.5	497.3	514.1
45°	392.3	386.3	383.4	384.4	388.3	394.3	404.2	414.1	426.0	436.9	446.8
47.5°	380.4	372.5	363.6	358.6	359.6	361.6	369.5	377.4	383.4	392.3	396.3
50°	352.7	345.7	337.8	330.9	331.9	332.9	339.8	345.7	349.7	352.7	357.6
52.5°	334.8	324.9	318.0	311.1	310.1	313.0	319.0	324.9	326.9	328.9	329.9
55°	322.0	312.0	303.1	296.2	293.2	300.2	302.1	310.1	313.0	313.0	314.0
57.5°	312.0	300.2	291.2	284.3	279.4	284.3	289.3	298.2	299.2	297.2	297.2
60°	297.2	288.3	279.4	272.4	267.5	271.4	275.4	285.3	285.3	280.3	279.4
62.5°	271.4	266.5	260.5	257.6	256.6	260.5	263.5	271.4	268.5	262.5	260.5
65°	252.6	248.6	242.7	240.7	239.7	245.7	246.7	251.6	247.7	244.7	243.7
67.5°	229.8	226.9	223.9	222.9	219.9	219.9	221.9	224.9	222.9	222.9	223.9
70°	204.1	200.1	197.1	198.1	196.1	196.1	197.1	199.1	198.1	200.1	202.1
72.5°	180.3	175.3	174.4	174.4	172.4	173.4	173.4	174.4	176.3	177.3	182.3
75°	157.5	152.6	152.6	151.6	151.6	151.6	152.6	154.5	156.5	157.5	159.5
77.5°	136.7	133.7	134.7	133.7	133.7	133.7	133.7	136.7	137.7	138.7	141.7
80°	117.9	117.9	118.9	118.9	117.9	116.9	117.9	119.9	120.9	121.8	122.8
82.5°	107.0	108.0	108.0	108.0	103.0	101.0	104.0	106.0	108.0	109.0	111.0
85°	92.1	88.2	92.1	91.1	84.2	83.2	83.2	84.2	86.2	84.2	84.2
87.5°	59.4	53.5	56.5	56.5	49.5	40.6	51.5	55.5	49.5	52.5	52.5
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1602.8	1600.9	1601.8	1601.8	1603.8	1600.9	1604.8	1608.8	1609.8	1609.8	1610.8
5°	1623.6	1621.7	1628.6	1625.6	1632.6	1631.6	1636.5	1640.5	1642.5	1642.5	1642.5
7.5°	1656.3	1663.3	1667.2	1678.1	1679.1	1685.1	1690.0	1695.0	1693.0	1694.0	1693.0
10°	1693.0	1701.9	1711.8	1722.7	1723.7	1730.6	1738.6	1743.5	1741.5	1740.5	1737.6
12.5°	1724.7	1730.6	1742.5	1753.4	1759.4	1770.3	1778.2	1782.1	1782.1	1779.2	1776.2
15°	1722.7	1731.6	1744.5	1760.3	1771.2	1787.1	1801.0	1809.9	1810.9	1807.9	1806.9
17.5°	1679.1	1692.0	1703.9	1725.7	1745.5	1767.3	1790.1	1802.9	1814.8	1821.8	1825.7
20°	1600.9	1616.7	1633.5	1662.3	1689.0	1717.8	1744.5	1763.3	1781.2	1802.0	1826.7
22.5°	1508.7	1532.5	1556.3	1592.9	1625.6	1658.3	1689.0	1711.8	1739.5	1775.2	1821.8
25°	1400.8	1425.5	1455.2	1497.8	1539.4	1587.0	1632.6	1678.1	1731.6	1793.0	1865.4
27.5°	1273.0	1300.7	1339.3	1390.8	1438.4	1486.9	1558.3	1630.6	1717.8	1797.0	1879.2
30°	1146.2	1181.8	1223.4	1274.9	1322.5	1391.8	1463.2	1552.3	1644.4	1733.6	1831.7
32.5°	1009.5	1054.0	1105.5	1148.1	1201.6	1272.0	1343.3	1438.4	1536.5	1641.5	1749.5
35°	877.7	920.3	960.9	1008.5	1062.0	1128.3	1197.7	1288.8	1412.6	1524.6	1653.4
37.5°	744.0	783.6	812.3	850.0	896.5	969.8	1044.1	1149.1	1266.0	1403.7	1532.5
40°	627.1	659.8	692.5	722.2	761.8	831.1	910.4	1013.4	1128.3	1262.1	1405.7
42.5°	533.9	558.7	594.4	630.0	663.7	723.2	797.5	898.5	1012.4	1149.1	1292.8
45°	455.7	472.5	501.3	531.0	572.6	622.1	693.4	796.5	912.4	1050.1	1201.6
47.5°	399.2	407.1	427.0	457.7	496.3	544.8	606.3	699.4	812.3	951.0	1110.5
50°	360.6	369.5	379.4	405.2	439.8	489.4	539.9	621.1	724.2	859.9	1018.4
52.5°	333.8	337.8	341.8	357.6	389.3	430.9	484.4	545.8	649.9	779.6	922.3
55°	318.0	319.0	322.0	329.9	353.7	392.3	438.8	497.3	578.5	701.4	847.0
57.5°	299.2	301.2	304.1	309.1	323.9	358.6	398.2	445.8	513.1	616.2	755.9
60°	281.3	286.3	291.2	294.2	302.1	322.9	356.6	394.3	448.8	526.0	637.0
62.5°	262.5	268.5	272.4	275.4	278.4	291.2	316.0	340.8	374.5	425.0	508.2
65°	245.7	249.6	252.6	254.6	256.6	260.5	271.4	281.3	291.2	322.0	382.4
67.5°	226.9	228.8	229.8	230.8	229.8	229.8	230.8	234.8	238.7	250.6	279.4
70°	205.1	208.0	208.0	209.0	209.0	206.1	206.1	206.1	206.1	209.0	224.9
72.5°	184.3	188.2	188.2	189.2	188.2	187.2	187.2	187.2	190.2	192.2	198.1
75°	164.4	168.4	167.4	168.4	169.4	169.4	171.4	172.4	175.3	176.3	180.3
77.5°	144.6	147.6	148.6	147.6	149.6	151.6	155.5	157.5	158.5	159.5	160.5
80°	125.8	127.8	126.8	123.8	128.8	131.8	137.7	144.6	142.7	143.6	145.6
82.5°	104.0	101.0	99.1	101.0	104.0	108.0	113.9	122.8	123.8	128.8	127.8
85°	80.2	71.3	70.3	75.3	74.3	79.3	89.2	96.1	102.0	107.0	102.0
87.5°	47.6	42.6	35.7	33.7	36.7	48.5	50.5	61.4	66.4	68.4	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1700.9	1705.9	1705.9	1707.8	1710.8	1711.8	1715.8	1722.7	1723.7	1723.7	1726.7
5°	1732.6	1737.6	1737.6	1741.5	1742.5	1747.5	1752.4	1760.3	1764.3	1763.3	1776.2
7.5°	1784.1	1780.2	1777.2	1783.1	1786.1	1792.0	1802.0	1808.9	1815.8	1826.7	1844.6
10°	1827.7	1821.8	1818.8	1822.8	1824.7	1831.7	1837.6	1847.5	1864.4	1881.2	1903.0
12.5°	1863.4	1856.4	1848.5	1850.5	1853.5	1862.4	1872.3	1885.2	1909.9	1931.7	1964.4
15°	1893.1	1883.2	1875.3	1879.2	1886.2	1898.0	1914.9	1937.7	1978.3	2015.9	2059.5
17.5°	1921.8	1919.8	1916.9	1929.7	1934.7	1962.4	1987.2	2028.8	2084.3	2140.8	2203.2
20°	1949.6	1971.4	1982.3	2008.0	2023.9	2061.5	2099.1	2149.7	2220.0	2297.3	2382.5
22.5°	1988.2	2047.6	2084.3	2136.8	2163.5	2204.2	2259.6	2326.0	2404.3	2503.3	2612.3
25°	2080.3	2167.5	2240.8	2323.0	2390.4	2452.8	2519.2	2599.4	2712.3	2802.5	2945.1
27.5°	2120.9	2243.8	2353.7	2469.6	2570.7	2666.8	2771.8	2868.9	3002.6	3124.4	3296.8
30°	2082.3	2221.0	2363.6	2515.2	2662.8	2808.4	2961.0	3109.6	3264.1	3434.5	3617.8
32.5°	2011.0	2166.5	2327.0	2505.3	2688.6	2877.8	3075.9	3291.9	3509.8	3721.8	3909.0
35°	1938.7	2106.1	2284.4	2488.5	2704.4	2939.2	3184.9	3458.3	3746.6	4015.0	4259.7
37.5°	1833.7	2017.9	2222.0	2457.8	2714.3	3003.6	3319.6	3656.4	4021.0	4390.5	4711.4
40°	1706.9	1902.0	2124.9	2396.3	2704.4	3070.0	3481.1	3913.0	4381.6	4832.3	5226.6
42.5°	1591.0	1781.2	2018.9	2314.1	2678.7	3128.4	3634.6	4172.5	4727.3	5231.5	5746.6
45°	1488.9	1698.9	1937.7	2256.7	2665.8	3177.9	3748.5	4366.7	5001.7	5602.0	6210.3
47.5°	1395.8	1613.7	1881.2	2225.0	2659.8	3207.7	3827.8	4493.5	5196.8	5886.3	6592.6
50°	1299.7	1511.7	1798.0	2190.3	2645.0	3206.7	3869.4	4579.7	5333.6	6107.2	6856.1
52.5°	1196.7	1409.7	1696.9	2126.9	2613.3	3188.8	3880.3	4638.1	5441.5	6242.9	7080.0
55°	1102.6	1301.7	1589.0	2020.9	2546.9	3145.2	3855.5	4662.9	5517.8	6377.7	7237.5
57.5°	994.6	1201.6	1475.0	1875.3	2422.1	3068.0	3785.2	4628.2	5539.6	6467.8	7362.4
60°	846.0	1049.1	1330.4	1702.9	2226.9	2904.5	3654.4	4523.2	5470.3	6483.7	7451.5
62.5°	675.6	851.0	1122.4	1465.1	1952.5	2648.0	3412.7	4287.4	5254.3	6335.1	7405.9
65°	502.2	619.1	852.9	1154.1	1634.5	2261.6	3023.4	3892.2	4832.3	5922.0	7119.7
67.5°	349.7	433.9	577.5	801.4	1188.8	1746.5	2467.7	3275.0	4179.5	5157.2	6525.3
70°	264.5	303.1	381.4	506.2	769.7	1189.7	1794.0	2513.2	3352.3	4294.4	5583.2
72.5°	225.9	245.7	289.3	346.7	471.5	723.2	1126.3	1729.6	2473.6	3240.4	4283.5
75°	203.1	219.9	247.7	284.3	333.8	438.8	660.8	1094.6	1638.5	2170.5	2988.7
77.5°	184.3	199.1	223.9	242.7	269.5	316.0	421.0	654.8	981.7	1341.3	1854.5
80°	164.4	173.4	196.1	215.0	235.8	262.5	302.1	411.1	563.7	794.5	1093.7
82.5°	140.7	147.6	164.4	190.2	206.1	216.9	228.8	272.4	337.8	430.9	607.3
85°	109.0	113.9	128.8	147.6	154.5	155.5	157.5	169.4	210.0	322.9	523.1
87.5°	55.5	61.4	77.3	83.2	70.3	76.3	77.3	82.2	109.0	177.3	180.3
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°	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	0°
2.5°	1726.7	1729.6	1736.6	1735.6	1740.5	1740.5	1740.5	1745.5	1742.5	1745.5	1750.4	2.5°
5°	1776.2	1781.2	1791.1	1791.1	1792.0	1789.1	1795.0	1799.0	1794.0	1792.0	1793.0	5°
7.5°	1848.5	1856.4	1864.4	1872.3	1878.2	1875.3	1876.3	1867.3	1865.4	1858.4	1849.5	7.5°
10°	1918.9	1940.6	1955.5	1969.4	1970.4	1967.4	1968.4	1953.5	1950.6	1936.7	1927.8	10°
12.5°	1991.2	2018.9	2042.7	2057.5	2066.5	2068.4	2069.4	2069.4	2055.6	2043.7	2022.9	12.5°
15°	2098.2	2146.7	2183.3	2199.2	2212.1	2224.0	2226.9	2230.9	2220.0	2204.2	2201.2	15°
17.5°	2267.6	2313.1	2361.7	2404.3	2433.0	2435.0	2459.7	2457.8	2480.5	2462.7	2457.8	17.5°
20°	2468.6	2567.7	2618.2	2674.7	2707.4	2723.2	2780.7	2762.9	2779.7	2808.4	2779.7	20°
22.5°	2720.3	2846.1	2919.4	2996.7	3050.1	3088.8	3130.4	3163.1	3208.7	3230.4	3210.6	22.5°
25°	3054.1	3197.8	3284.9	3391.9	3477.1	3546.5	3618.8	3705.9	3705.0	3757.5	3794.1	25°
27.5°	3437.5	3620.8	3747.6	3935.8	4009.1	4126.0	4249.8	4384.5	4408.3	4476.7	4511.3	27.5°
30°	3798.1	4024.9	4276.5	4500.4	4754.0	4927.4	5071.0	5166.1	5309.8	5274.1	5254.3	30°
32.5°	4130.9	4433.1	4791.7	5159.2	5561.4	5835.8	6089.4	6207.3	6296.4	6107.2	5856.6	32.5°
35°	4562.8	4924.4	5334.5	5788.3	6299.4	6688.7	6950.3	6986.9	6936.4	6693.7	6278.6	35°
37.5°	5097.8	5477.2	5943.8	6423.2	6966.1	7331.7	7629.8	7683.3	7549.6	7116.7	6680.8	37.5°
40°	5625.8	6070.6	6576.8	7144.4	7707.1	8109.3	8408.5	8424.3	8206.4	7700.2	7190.0	40°
42.5°	6203.3	6689.7	7253.4	7882.4	8463.9	8871.1	9087.0	9155.4	8847.3	8198.5	7709.1	42.5°
45°	6701.6	7283.1	7911.2	8579.8	9188.1	9574.4	9794.4	9772.6	9400.1	8759.1	8185.6	45°
47.5°	7187.0	7827.0	8488.7	9199.0	9803.3	10193.6	10419.4	10399.6	9927.1	9189.1	8558.1	47.5°
50°	7618.9	8313.4	9020.7	9779.5	10381.8	10739.4	11015.8	10928.6	10331.3	9534.8	8797.8	50°
52.5°	7919.1	8693.8	9432.8	10253.0	10873.2	11211.9	11563.6	11283.3	10570.0	9746.8	8926.6	52.5°
55°	8109.3	8955.3	9726.0	10633.4	11242.7	11647.8	11874.7	11476.4	10662.1	9805.3	8971.1	55°
57.5°	8238.1	9098.9	9898.4	10853.3	11575.5	11915.3	11970.8	11483.4	10602.7	9713.1	8926.6	57.5°
60°	8301.5	9141.5	9976.6	11007.9	11809.3	11995.5	11894.5	11322.9	10397.7	9442.7	8639.3	60°
62.5°	8294.5	9088.0	9936.0	11059.4	11855.9	11879.6	11649.8	11049.5	10020.2	8875.1	8161.8	62.5°
65°	8118.2	8892.9	9707.2	10868.2	11638.9	11536.9	11247.6	10536.3	9286.2	8134.1	7773.5	65°
67.5°	7610.0	8353.0	9108.8	10242.1	11027.7	10928.6	10490.8	9527.9	8433.2	7478.3	7284.1	67.5°
70°	6760.1	7390.1	8053.8	9049.4	9873.6	9739.9	8974.1	8388.7	7588.2	6720.4	6653.1	70°
72.5°	5651.5	6129.0	6610.5	7351.5	7919.1	7645.7	7164.2	7133.5	6486.6	5823.9	5837.8	72.5°
75°	4420.2	4778.8	5003.7	5439.5	5817.0	5572.3	5601.0	5771.4	5558.4	5036.4	4867.0	75°
77.5°	3202.7	3546.5	3617.8	3876.3	4141.8	4420.2	4788.7	5189.9	5257.3	4964.0	4349.9	77.5°
80°	2096.2	2474.6	2333.9	2426.1	2799.5	3307.7	3980.4	4641.1	4868.0	4604.4	3848.6	80°
82.5°	1236.3	1766.3	1542.4	1699.9	1936.7	2379.5	2844.1	3342.4	3721.8	3441.4	3214.6	82.5°
85°	939.1	1392.8	1475.0	1666.2	1743.5	1762.3	1843.6	2006.0	2202.2	2275.5	2269.5	85°
87.5°	489.4	1082.8	1215.5	1124.4	1049.1	909.4	709.3	763.8	698.4	955.0	904.4	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°
1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3
1751.4	1748.5	1750.4	1751.4	1751.4	1751.4	1753.4
1792.0	1784.1	1781.2	1781.2	1780.2	1777.2	1776.2
1835.6	1821.8	1816.8	1810.9	1805.9	1802.9	1798.0
1913.9	1902.0	1877.2	1863.4	1850.5	1841.6	1833.7
2018.9	2002.1	1978.3	1960.5	1940.6	1934.7	1924.8
2181.4	2166.5	2145.7	2125.9	2114.0	2093.2	2078.3
2435.0	2405.2	2384.4	2358.7	2330.0	2287.4	2266.6
2768.8	2709.4	2667.8	2645.0	2587.5	2580.6	2530.1
3152.2	3134.4	3071.0	3043.2	2987.7	2965.9	2886.7
3725.8	3711.9	3582.1	3568.2	3483.1	3419.7	3296.8
4479.6	4365.7	4219.1	4117.1	3971.4	3808.0	3599.0
5138.4	4905.6	4681.7	4444.0	4242.9	4008.1	3771.3
5558.4	5246.4	4958.1	4714.4	4465.8	4186.4	3882.3
5926.9	5611.9	5297.9	5009.6	4708.5	4350.8	3975.4
6367.8	6054.7	5701.1	5295.9	4909.6	4471.7	4013.0
6819.5	6453.0	6011.1	5514.8	5029.4	4531.1	4006.1
7282.1	6813.6	6226.1	5660.5	5105.7	4540.1	3959.5
7657.6	7065.2	6385.6	5734.8	5121.6	4509.3	3901.1
7923.1	7226.6	6456.9	5760.5	5101.7	4460.8	3821.9
8074.6	7314.8	6474.8	5741.7	5061.1	4391.5	3735.7
8130.1	7341.6	6456.9	5703.1	5024.5	4317.2	3675.2
8124.2	7326.7	6391.5	5612.9	4926.4	4218.1	3600.9
8012.2	7189.0	6257.8	5504.9	4843.2	4172.5	3605.9
7822.0	7101.8	6218.2	5526.7	4886.8	4270.6	3762.4
7735.8	7276.2	6441.1	5744.7	5110.7	4551.0	4085.4
7687.3	7559.5	6760.1	5979.4	5376.1	4890.7	4470.7
7489.2	7640.7	6941.3	6113.2	5612.9	5231.5	4856.1
7169.2	7451.5	6803.6	6087.4	5743.7	5493.0	4994.8
6501.5	6799.7	6190.4	5708.0	5580.2	5497.0	4786.7
5267.2	5421.7	5075.0	4966.0	5013.6	5014.6	4015.0
3884.3	3791.1	3634.6	3642.5	3962.5	3913.0	2861.9
3171.0	2595.5	2373.5	2457.8	2853.0	2640.0	1798.0
2951.1	2315.1	1910.9	1930.7	2154.6	1700.9	1082.8
2386.4	2110.0	1692.0	1518.6	1474.1	1133.3	735.0
998.6	918.3	683.5	616.2	505.2	309.1	140.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)