

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: P159014

Luminaire Tested: **VTS-F06-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159014
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-7030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12157.2 lumens
Efficiency: N/A
Efficacy: 77.7 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

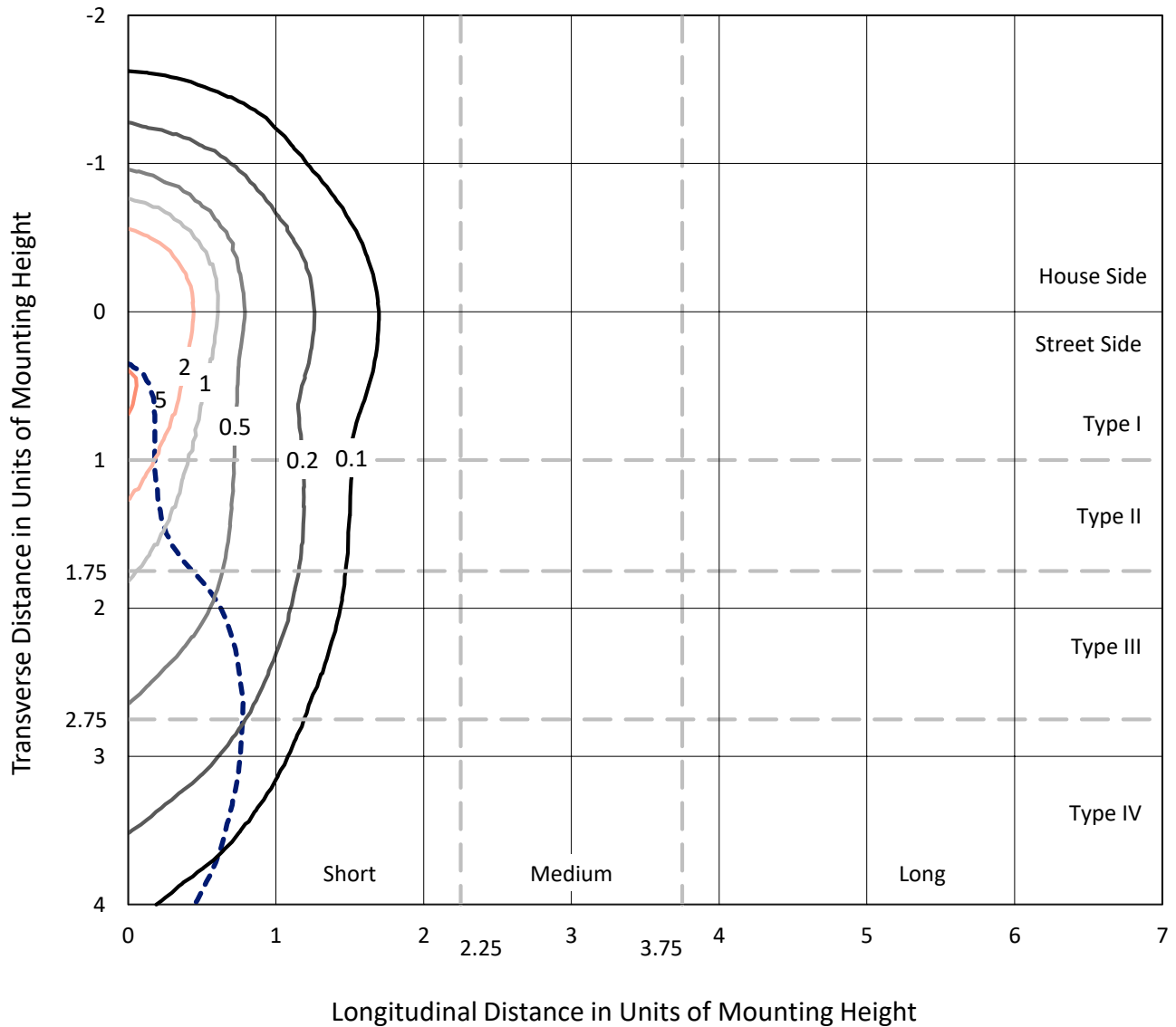
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

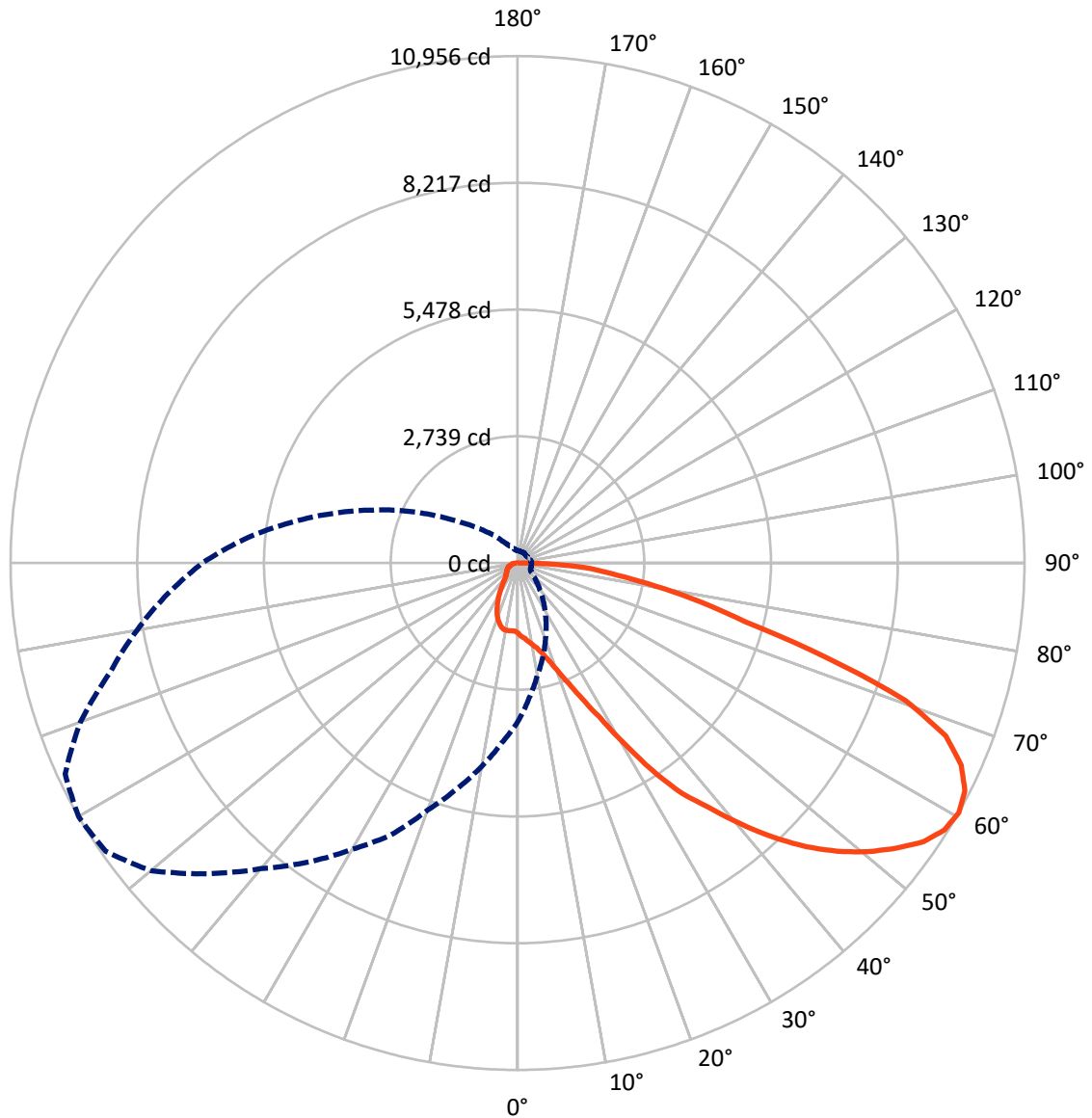
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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	2737.4	0.0	2737.4
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	9419.7	0.0	9419.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	12157.2	0.0	12157.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	1.2
10°-20°	481.6	4.0
20°-30°	913.9	7.5
30°-40°	1439.2	11.8
40°-50°	2008.8	16.5
50°-60°	2484.4	20.4
60°-70°	2575.2	21.2
70°-80°	1620.4	13.3
80°-90°	484.4	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°	12157.2	100.0
0°-180°	12157.2	100.0



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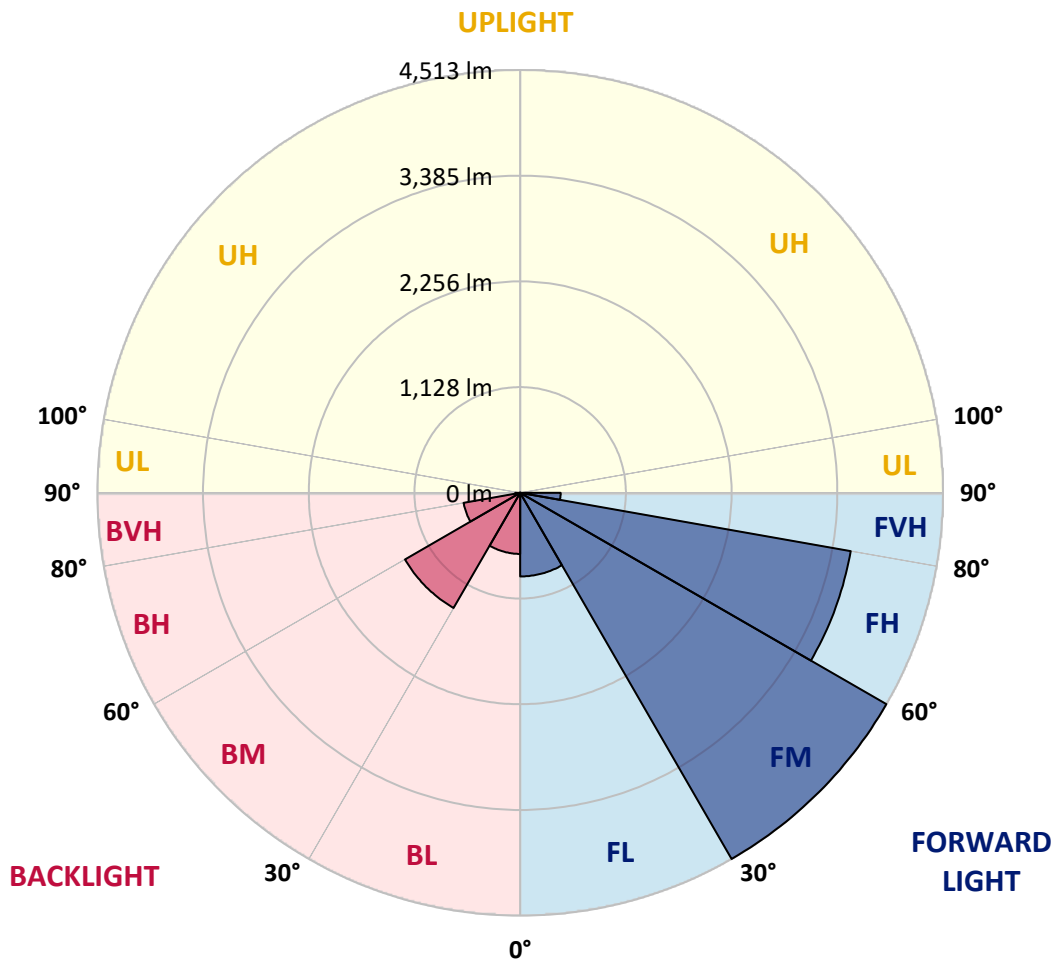
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	892.5	7.3			
FM	(30°-60°)	4512.9	37.1			
FH	(60°-80°)	3582.6	29.5			G2/5000
FVH	(80°-90°)	431.7	3.6			G3/500
BL	(0°-30°)	652.1	5.4	B2/1000		
BM	(30°-60°)	1419.5	11.7	B2/2500		
BH	(60°-80°)	613.1	5.0	B2/1000		G2/1000
BVH	(80°-90°)	52.7	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°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1601.5	1505.6	1507.4	1504.7	1504.7	1502.9	1504.7	1502.9	1501.1	1501.1	1502.0
5°	1622.3	1516.4	1516.4	1513.7	1511.9	1510.1	1511.9	1510.1	1509.2	1507.4	1508.3
7.5°	1642.2	1522.8	1519.1	1515.5	1511.0	1512.8	1512.8	1511.9	1512.8	1511.9	1513.7
10°	1674.8	1543.6	1534.5	1526.4	1525.5	1523.7	1523.7	1521.0	1521.0	1519.1	1520.1
12.5°	1758.0	1607.8	1597.9	1583.4	1580.7	1572.5	1568.0	1562.6	1553.5	1545.4	1539.1
15°	1898.3	1714.6	1695.6	1682.9	1677.5	1661.2	1635.9	1616.0	1589.7	1567.1	1543.6
17.5°	2070.2	1857.5	1834.9	1818.6	1791.5	1747.2	1704.6	1655.8	1605.1	1559.0	1516.4
20°	2310.8	2062.9	2018.6	1979.7	1911.8	1835.8	1756.2	1671.2	1593.3	1521.0	1458.5
22.5°	2636.6	2328.0	2245.7	2141.6	2015.9	1887.4	1760.7	1643.1	1539.1	1445.0	1361.7
25°	3011.1	2581.4	2433.0	2253.8	2061.1	1883.8	1717.3	1566.2	1445.0	1323.7	1233.2
27.5°	3287.1	2793.1	2574.1	2338.9	2092.8	1866.6	1662.1	1479.3	1332.8	1208.8	1099.3
30°	3444.5	2914.3	2651.0	2375.1	2098.2	1837.6	1592.4	1380.7	1211.5	1064.0	959.1
32.5°	3545.9	2979.5	2659.2	2338.9	2033.1	1751.7	1486.6	1266.7	1083.0	925.6	814.3
35°	3630.9	3005.7	2621.2	2258.4	1910.0	1621.4	1350.9	1131.0	936.5	791.7	677.7
37.5°	3665.3	3001.2	2560.6	2150.7	1789.7	1479.3	1212.4	987.1	813.4	685.8	588.1
40°	3659.0	2959.6	2478.2	2035.8	1648.5	1330.9	1065.8	867.7	726.5	618.9	547.4
42.5°	3616.5	2904.4	2386.8	1919.1	1519.1	1207.9	966.3	790.8	676.8	595.4	532.9
45°	3563.1	2838.3	2303.6	1812.3	1416.9	1120.1	908.4	769.1	670.5	592.6	525.7
47.5°	3490.7	2765.0	2219.5	1736.3	1362.6	1093.9	907.5	781.7	675.9	586.3	513.0
50°	3412.0	2711.7	2173.3	1703.7	1356.3	1110.2	939.2	801.6	679.5	580.0	495.8
52.5°	3356.8	2688.1	2172.4	1715.5	1389.8	1155.4	976.3	827.0	693.1	583.6	492.2
55°	3288.9	2684.5	2195.9	1766.2	1463.0	1232.3	1035.1	870.4	721.1	597.2	494.9
57.5°	3293.4	2756.0	2287.3	1891.0	1595.1	1336.4	1110.2	923.8	748.3	605.3	490.4
60°	3436.4	2922.5	2467.4	2104.5	1768.0	1458.5	1187.1	952.7	746.5	587.2	468.7
62.5°	3731.4	3172.2	2737.0	2355.2	1943.5	1552.6	1215.1	944.6	719.3	548.3	433.4
65°	4083.3	3464.4	2999.4	2549.7	2050.3	1574.3	1190.7	899.4	665.0	497.6	390.9
67.5°	4435.3	3671.6	3150.5	2604.9	2006.8	1486.6	1100.2	798.0	572.7	428.9	342.9
70°	4562.0	3714.2	3138.7	2480.9	1809.6	1268.5	905.7	642.4	459.6	351.1	288.6
72.5°	4372.0	3448.2	2790.4	2108.2	1471.2	983.5	664.1	474.1	351.1	275.1	235.2
75°	3667.1	2776.8	2205.9	1587.9	1062.2	695.8	479.5	345.6	264.2	218.1	188.2
77.5°	2613.9	1933.5	1502.9	1043.2	689.5	482.3	343.8	259.7	209.9	174.6	152.9
80°	1642.2	1187.1	915.6	626.1	429.8	327.5	247.0	205.4	169.2	142.1	127.6
82.5°	988.9	691.3	539.3	389.1	282.3	224.4	181.9	161.1	134.8	117.6	109.5
85°	671.4	508.5	353.8	229.8	170.1	132.1	124.0	111.3	100.4	84.1	81.4
87.5°	128.5	181.9	158.3	94.1	62.4	53.4	47.0	45.2	40.7	32.6	37.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1496.5	1494.7	1491.1	1491.1	1488.4	1483.0	1482.0	1478.4	1473.9	1474.8	1473.9
5°	1502.0	1498.3	1493.8	1492.0	1488.4	1483.0	1480.2	1475.7	1471.2	1471.2	1471.2
7.5°	1508.3	1503.8	1500.1	1493.8	1486.6	1481.1	1473.9	1468.5	1465.8	1464.9	1465.8
10°	1513.7	1511.0	1505.6	1496.5	1486.6	1475.7	1468.5	1461.2	1454.0	1454.9	1455.8
12.5°	1525.5	1516.4	1502.0	1488.4	1473.0	1459.4	1446.8	1437.7	1428.7	1428.7	1429.6
15°	1517.3	1491.1	1471.2	1445.0	1427.8	1406.0	1391.6	1383.4	1378.0	1376.2	1377.1
17.5°	1469.4	1437.7	1407.9	1384.3	1360.8	1343.6	1337.3	1331.9	1324.6	1328.2	1324.6
20°	1397.0	1358.1	1315.6	1287.5	1259.5	1247.7	1236.9	1231.4	1226.9	1243.2	1243.2
22.5°	1292.9	1245.9	1202.5	1168.1	1136.4	1123.8	1112.9	1106.6	1109.3	1129.2	1131.0
25°	1161.8	1104.8	1047.7	1026.9	995.3	985.3	979.0	978.1	980.8	1000.7	1005.2
27.5°	1022.4	962.7	913.8	865.9	851.4	843.3	831.5	845.1	847.8	869.5	878.6
30°	874.0	809.8	758.2	726.5	695.8	700.3	690.4	706.6	713.9	736.5	743.7
32.5°	722.0	661.4	609.8	578.2	556.4	559.2	551.9	566.4	573.6	600.8	614.4
35°	597.2	545.6	504.0	476.8	466.9	456.9	455.1	456.9	464.2	485.0	509.4
37.5°	525.7	483.2	453.3	433.4	419.8	413.5	409.9	409.9	409.9	414.4	426.2
40°	494.9	456.9	430.7	411.7	402.6	399.0	396.3	393.6	389.1	387.3	388.2
42.5°	481.3	437.9	409.9	395.4	390.0	390.0	390.0	388.2	383.6	379.1	374.6
45°	467.8	420.7	392.7	382.7	380.0	380.9	380.9	380.9	377.3	371.9	363.7
47.5°	450.6	401.7	373.7	367.3	367.3	370.1	371.0	371.0	367.3	361.9	355.6
50°	429.8	377.3	352.0	346.5	343.8	343.8	343.8	343.8	341.1	337.5	333.0
52.5°	418.9	363.7	337.5	332.1	332.1	329.3	328.4	325.7	323.0	320.3	314.0
55°	415.3	358.3	331.2	326.6	326.6	323.9	321.2	318.5	314.0	309.4	303.1
57.5°	405.3	346.5	323.0	319.4	319.4	317.6	314.9	312.2	307.6	301.3	293.2
60°	382.7	326.6	306.7	305.8	305.8	304.9	303.1	303.1	298.6	292.2	282.3
62.5°	353.8	305.8	286.8	286.8	285.9	285.0	281.4	280.5	275.1	266.9	257.9
65°	325.7	287.7	275.1	271.4	269.6	266.9	265.1	260.6	256.1	248.8	239.8
67.5°	290.4	260.6	252.4	248.8	245.2	242.5	239.8	237.1	231.6	226.2	219.0
70°	252.4	230.7	226.2	225.3	220.8	218.1	217.2	214.4	209.0	203.6	194.5
72.5°	216.2	203.6	200.0	200.0	194.5	190.9	189.1	188.2	184.6	180.1	171.9
75°	174.6	165.6	164.7	169.2	169.2	166.5	164.7	166.5	161.1	158.3	150.2
77.5°	143.0	138.4	135.7	137.5	143.0	140.2	136.6	136.6	136.6	132.1	129.4
80°	121.2	117.6	114.9	116.7	115.8	114.9	113.1	109.5	109.5	109.5	108.6
82.5°	109.5	108.6	98.6	98.6	95.0	92.3	90.5	88.7	86.9	86.9	91.4
85°	82.3	85.1	79.6	78.7	74.2	70.6	67.0	65.1	63.3	66.0	75.1
87.5°	39.8	39.8	38.0	42.5	38.9	37.1	34.4	32.6	34.4	42.5	50.7
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°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1472.1	1471.2	1470.3	1468.5	1464.9	1464.0	1462.1	1462.1	1461.2	1459.4	1461.2
5°	1469.4	1471.2	1471.2	1470.3	1467.6	1469.4	1469.4	1472.1	1472.1	1473.9	1478.4
7.5°	1465.8	1470.3	1473.9	1476.6	1480.2	1483.0	1488.4	1496.5	1500.1	1506.5	1509.2
10°	1458.5	1466.7	1473.0	1481.1	1490.2	1500.1	1508.3	1521.0	1525.5	1534.5	1539.1
12.5°	1437.7	1451.3	1462.1	1478.4	1493.8	1509.2	1523.7	1540.0	1548.1	1558.1	1564.4
15°	1387.0	1402.4	1417.8	1432.3	1459.4	1489.3	1512.8	1534.5	1546.3	1559.0	1565.3
17.5°	1326.4	1336.4	1349.0	1368.0	1394.3	1420.5	1458.5	1489.3	1507.4	1521.9	1523.7
20°	1255.9	1270.3	1279.4	1286.6	1307.4	1325.5	1366.2	1401.5	1425.0	1442.2	1446.8
22.5°	1148.2	1163.6	1178.9	1184.4	1200.7	1224.2	1246.8	1284.8	1318.3	1343.6	1359.0
25°	1025.1	1039.6	1060.4	1076.7	1080.3	1099.3	1121.9	1165.4	1199.8	1240.5	1258.6
27.5°	902.1	914.7	937.4	946.4	957.3	976.3	994.4	1030.6	1066.7	1113.8	1133.7
30°	758.2	785.4	811.6	828.8	837.8	860.5	873.1	908.4	941.9	976.3	1005.2
32.5°	635.2	659.6	689.5	711.2	722.0	739.2	759.1	789.0	815.2	848.7	882.2
35°	522.1	555.5	575.4	594.4	622.5	630.6	650.5	677.7	693.1	729.3	767.3
37.5°	442.4	462.3	482.3	501.3	524.8	535.6	554.6	577.3	595.4	617.1	651.5
40°	393.6	404.4	418.9	431.6	448.8	462.3	472.3	491.3	504.9	526.6	551.0
42.5°	371.0	373.7	375.5	384.5	393.6	402.6	413.5	421.6	437.9	454.2	469.6
45°	358.3	352.9	350.2	351.1	354.7	360.1	369.2	378.2	389.1	399.0	408.1
47.5°	347.4	340.2	332.1	327.5	328.4	330.2	337.5	344.7	350.2	358.3	361.9
50°	322.1	315.8	308.5	302.2	303.1	304.0	310.3	315.8	319.4	322.1	326.6
52.5°	305.8	296.8	290.4	284.1	283.2	285.9	291.3	296.8	298.6	300.4	301.3
55°	294.1	285.0	276.9	270.5	267.8	274.2	276.0	283.2	285.9	285.9	286.8
57.5°	285.0	274.2	266.0	259.7	255.2	259.7	264.2	272.3	273.2	271.4	271.4
60°	271.4	263.3	255.2	248.8	244.3	247.9	251.5	260.6	260.6	256.1	255.2
62.5°	247.9	243.4	238.0	235.2	234.3	238.0	240.7	247.9	245.2	239.8	238.0
65°	230.7	227.1	221.7	219.9	219.0	224.4	225.3	229.8	226.2	223.5	222.6
67.5°	209.9	207.2	204.5	203.6	200.9	200.9	202.7	205.4	203.6	203.6	204.5
70°	186.4	182.8	180.1	181.0	179.1	179.1	180.1	181.9	181.0	182.8	184.6
72.5°	164.7	160.1	159.2	159.2	157.4	158.3	158.3	159.2	161.1	162.0	166.5
75°	143.9	139.3	139.3	138.4	138.4	138.4	139.3	141.1	143.0	143.9	145.7
77.5°	124.9	122.1	123.1	122.1	122.1	122.1	122.1	124.9	125.8	126.7	129.4
80°	107.7	107.7	108.6	108.6	107.7	106.8	107.7	109.5	110.4	111.3	112.2
82.5°	97.7	98.6	98.6	98.6	94.1	92.3	95.0	96.8	98.6	99.5	101.3
85°	84.1	80.5	84.1	83.2	76.9	76.0	76.0	76.9	78.7	76.9	76.9
87.5°	54.3	48.9	51.6	51.6	45.2	37.1	47.0	50.7	45.2	48.0	48.0
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1464.0	1462.1	1463.0	1463.0	1464.9	1462.1	1465.8	1469.4	1470.3	1470.3	1471.2
5°	1483.0	1481.1	1487.5	1484.8	1491.1	1490.2	1494.7	1498.3	1500.1	1500.1	1500.1
7.5°	1512.8	1519.1	1522.8	1532.7	1533.6	1539.1	1543.6	1548.1	1546.3	1547.2	1546.3
10°	1546.3	1554.4	1563.5	1573.4	1574.3	1580.7	1587.9	1592.4	1590.6	1589.7	1587.0
12.5°	1575.2	1580.7	1591.5	1601.5	1606.9	1616.9	1624.1	1627.7	1627.7	1625.0	1622.3
15°	1573.4	1581.6	1593.3	1607.8	1617.8	1632.2	1644.9	1653.1	1654.0	1651.2	1650.3
17.5°	1533.6	1545.4	1556.2	1576.1	1594.2	1614.1	1635.0	1646.7	1657.6	1663.9	1667.5
20°	1462.1	1476.6	1492.0	1518.2	1542.7	1568.9	1593.3	1610.5	1626.8	1645.8	1668.4
22.5°	1378.0	1399.7	1421.4	1454.9	1484.8	1514.6	1542.7	1563.5	1588.8	1621.4	1663.9
25°	1279.4	1302.0	1329.1	1368.0	1406.0	1449.5	1491.1	1532.7	1581.6	1637.7	1703.7
27.5°	1162.7	1188.0	1223.3	1270.3	1313.8	1358.1	1423.2	1489.3	1568.9	1641.3	1716.4
30°	1046.8	1079.4	1117.4	1164.5	1207.9	1271.2	1336.4	1417.8	1502.0	1583.4	1673.0
32.5°	922.0	962.7	1009.7	1048.7	1097.5	1161.8	1226.9	1313.8	1403.3	1499.2	1597.9
35°	801.6	840.6	877.6	921.1	969.9	1030.6	1093.9	1177.1	1290.2	1392.5	1510.1
37.5°	679.5	715.7	741.9	776.3	818.8	885.8	953.7	1049.6	1156.3	1282.1	1399.7
40°	572.7	602.6	632.4	659.6	695.8	759.1	831.5	925.6	1030.6	1152.7	1283.9
42.5°	487.7	510.3	542.9	575.4	606.2	660.5	728.4	820.6	924.7	1049.6	1180.8
45°	416.2	431.6	457.8	485.0	523.0	568.2	633.4	727.5	833.3	959.1	1097.5
47.5°	364.6	371.9	390.0	418.0	453.3	497.6	553.7	638.8	741.9	868.6	1014.3
50°	329.3	337.5	346.5	370.1	401.7	447.0	493.1	567.3	661.4	785.4	930.1
52.5°	304.9	308.5	312.2	326.6	355.6	393.6	442.4	498.5	593.5	712.1	842.4
55°	290.4	291.3	294.1	301.3	323.0	358.3	400.8	454.2	528.4	640.6	773.6
57.5°	273.2	275.1	277.8	282.3	295.9	327.5	363.7	407.2	468.7	562.8	690.4
60°	257.0	261.5	266.0	268.7	276.0	295.0	325.7	360.1	409.9	480.4	581.8
62.5°	239.8	245.2	248.8	251.5	254.2	266.0	288.6	311.2	342.0	388.2	464.2
65°	224.4	228.0	230.7	232.5	234.3	238.0	247.9	257.0	266.0	294.1	349.2
67.5°	207.2	209.0	209.9	210.8	209.9	209.9	210.8	214.4	218.1	228.9	255.2
70°	187.3	190.0	190.0	190.9	190.9	188.2	188.2	188.2	188.2	190.9	205.4
72.5°	168.3	171.9	171.9	172.8	171.9	171.0	171.0	171.0	173.7	175.5	181.0
75°	150.2	153.8	152.9	153.8	154.7	154.7	156.5	157.4	160.1	161.1	164.7
77.5°	132.1	134.8	135.7	134.8	136.6	138.4	142.1	143.9	144.8	145.7	146.6
80°	114.9	116.7	115.8	113.1	117.6	120.3	125.8	132.1	130.3	131.2	133.0
82.5°	95.0	92.3	90.5	92.3	95.0	98.6	104.1	112.2	113.1	117.6	116.7
85°	73.3	65.1	64.2	68.8	67.9	72.4	81.4	87.8	93.2	97.7	93.2
87.5°	43.4	38.9	32.6	30.8	33.5	44.3	46.1	56.1	60.6	62.4	56.1
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1553.5	1558.1	1558.1	1559.9	1562.6	1563.5	1567.1	1573.4	1574.3	1574.3	1577.1
5°	1582.5	1587.0	1587.0	1590.6	1591.5	1596.1	1600.6	1607.8	1611.4	1610.5	1622.3
7.5°	1629.5	1625.9	1623.2	1628.6	1631.3	1636.8	1645.8	1652.2	1658.5	1668.4	1684.7
10°	1669.3	1663.9	1661.2	1664.8	1666.6	1673.0	1678.4	1687.4	1702.8	1718.2	1738.1
12.5°	1701.9	1695.6	1688.3	1690.2	1692.9	1701.0	1710.1	1721.8	1744.4	1764.3	1794.2
15°	1729.1	1720.0	1712.8	1716.4	1722.7	1733.6	1749.0	1769.8	1806.9	1841.3	1881.1
17.5°	1755.3	1753.5	1750.8	1762.5	1767.1	1792.4	1815.0	1853.0	1903.7	1955.3	2012.3
20°	1780.6	1800.5	1810.5	1834.0	1848.5	1882.9	1917.3	1963.4	2027.6	2098.2	2176.0
22.5°	1815.9	1870.2	1903.7	1951.6	1976.1	2013.2	2063.8	2124.5	2195.9	2286.4	2385.9
25°	1900.1	1979.7	2046.6	2121.7	2183.3	2240.3	2300.9	2374.2	2477.3	2559.7	2689.9
27.5°	1937.2	2049.4	2149.8	2255.6	2347.9	2435.7	2531.6	2620.3	2742.4	2853.7	3011.1
30°	1901.9	2028.5	2158.8	2297.3	2432.1	2565.1	2704.4	2840.1	2981.3	3136.9	3304.3
32.5°	1836.7	1978.8	2125.4	2288.2	2455.6	2628.4	2809.4	3006.6	3205.7	3399.3	3570.3
35°	1770.7	1923.6	2086.5	2272.8	2470.1	2684.5	2908.9	3158.6	3421.9	3667.1	3890.6
37.5°	1674.8	1843.1	2029.4	2244.8	2479.1	2743.3	3032.0	3339.6	3672.6	4010.0	4303.2
40°	1559.0	1737.2	1940.8	2188.7	2470.1	2804.0	3179.4	3573.9	4001.9	4413.6	4773.7
42.5°	1453.1	1626.8	1844.0	2113.6	2446.6	2857.3	3319.7	3811.0	4317.7	4778.2	5248.7
45°	1359.9	1551.7	1769.8	2061.1	2434.8	2902.6	3423.7	3988.3	4568.3	5116.6	5672.1
47.5°	1274.9	1473.9	1718.2	2032.2	2429.4	2929.7	3496.1	4104.1	4746.5	5376.3	6021.4
50°	1187.1	1380.7	1642.2	2000.5	2415.8	2928.8	3534.1	4182.9	4871.4	5578.0	6262.1
52.5°	1093.0	1287.5	1549.9	1942.6	2386.8	2912.5	3544.1	4236.2	4970.0	5702.0	6466.5
55°	1007.0	1188.9	1451.3	1845.8	2326.2	2872.7	3521.5	4258.9	5039.7	5825.1	6610.4
57.5°	908.4	1097.5	1347.2	1712.8	2212.2	2802.1	3457.2	4227.2	5059.6	5907.4	6724.4
60°	772.7	958.2	1215.1	1555.3	2034.0	2652.9	3337.8	4131.3	4996.3	5921.9	6805.8
62.5°	617.1	777.2	1025.1	1338.2	1783.3	2418.5	3117.0	3915.9	4799.0	5786.1	6764.2
65°	458.7	565.5	779.0	1054.1	1492.9	2065.6	2761.4	3554.9	4413.6	5408.8	6502.7
67.5°	319.4	396.3	527.5	732.0	1085.8	1595.1	2253.8	2991.2	3817.3	4710.3	5959.9
70°	241.6	276.9	348.3	462.3	703.0	1086.7	1638.6	2295.5	3061.8	3922.3	5099.4
72.5°	206.3	224.4	264.2	316.7	430.7	660.5	1028.7	1579.8	2259.3	2959.6	3912.3
75°	185.5	200.9	226.2	259.7	304.9	400.8	603.5	999.8	1496.5	1982.4	2729.8
77.5°	168.3	181.9	204.5	221.7	246.1	288.6	384.5	598.1	896.6	1225.1	1693.8
80°	150.2	158.3	179.1	196.3	215.3	239.8	276.0	375.5	514.8	725.6	998.9
82.5°	128.5	134.8	150.2	173.7	188.2	198.1	209.0	248.8	308.5	393.6	554.6
85°	99.5	104.1	117.6	134.8	141.1	142.1	143.9	154.7	191.8	295.0	477.7
87.5°	50.7	56.1	70.6	76.0	64.2	69.7	70.6	75.1	99.5	162.0	164.7
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	0°
2.5°	1577.1	1579.8	1586.1	1585.2	1589.7	1589.7	1589.7	1594.2	1591.5	1594.2	1598.8	2.5°
5°	1622.3	1626.8	1635.9	1635.9	1636.8	1634.1	1639.5	1643.1	1638.6	1636.8	1637.7	5°
7.5°	1688.3	1695.6	1702.8	1710.1	1715.5	1712.8	1713.7	1705.5	1703.7	1697.4	1689.2	7.5°
10°	1752.6	1772.5	1786.1	1798.7	1799.6	1796.9	1797.8	1784.3	1781.5	1768.9	1760.7	10°
12.5°	1818.6	1844.0	1865.7	1879.3	1887.4	1889.2	1890.1	1890.1	1877.4	1866.6	1847.6	12.5°
15°	1916.3	1960.7	1994.2	2008.6	2020.4	2031.3	2034.0	2037.6	2027.6	2013.2	2010.4	15°
17.5°	2071.1	2112.7	2157.0	2195.9	2222.2	2224.0	2246.6	2244.8	2265.6	2249.3	2244.8	17.5°
20°	2254.7	2345.2	2391.4	2442.9	2472.8	2487.3	2539.8	2523.5	2538.8	2565.1	2538.8	20°
22.5°	2484.6	2599.5	2666.4	2737.0	2785.9	2821.1	2859.1	2889.0	2930.6	2950.5	2932.4	22.5°
25°	2789.5	2920.7	3000.3	3098.0	3175.8	3239.2	3305.2	3384.8	3383.9	3431.9	3465.4	25°
27.5°	3139.6	3307.0	3422.8	3594.7	3661.7	3768.5	3881.6	4004.6	4026.3	4088.8	4120.4	27.5°
30°	3469.0	3676.2	3906.0	4110.5	4342.1	4500.4	4631.6	4718.5	4849.7	4817.1	4799.0	30°
32.5°	3773.0	4048.9	4376.5	4712.2	5079.5	5330.1	5561.8	5669.4	5750.9	5578.0	5349.1	32.5°
35°	4167.5	4497.7	4872.3	5286.7	5753.6	6109.2	6348.0	6381.5	6335.4	6113.7	5734.6	35°
37.5°	4656.1	5002.6	5428.8	5866.7	6362.5	6696.4	6968.7	7017.6	6895.4	6500.0	6101.9	37.5°
40°	5138.3	5544.6	6006.9	6525.4	7039.3	7406.6	7679.9	7694.4	7495.3	7032.9	6567.0	40°
42.5°	5665.8	6110.1	6624.9	7199.4	7730.5	8102.4	8299.7	8362.1	8080.7	7488.1	7041.1	42.5°
45°	6120.9	6652.0	7225.7	7836.4	8391.9	8744.8	8945.7	8925.8	8585.6	8000.2	7476.3	45°
47.5°	6564.3	7148.8	7753.2	8401.9	8953.8	9310.3	9516.6	9498.5	9066.9	8392.9	7816.5	47.5°
50°	6958.8	7593.0	8239.0	8932.1	9482.2	9808.9	10061.3	9981.7	9436.1	8708.6	8035.5	50°
52.5°	7232.9	7940.5	8615.4	9364.6	9931.0	10240.4	10561.6	10305.6	9654.1	8902.3	8153.1	52.5°
55°	7406.6	8179.3	8883.2	9712.0	10268.5	10638.5	10845.7	10482.0	9738.3	8955.6	8193.8	55°
57.5°	7524.3	8310.5	9040.7	9912.9	10572.5	10882.8	10933.5	10488.4	9684.0	8871.5	8153.1	57.5°
60°	7582.2	8349.4	9112.2	10054.1	10786.0	10956.1	10863.8	10341.8	9496.7	8624.5	7890.7	60°
62.5°	7575.8	8300.6	9075.1	10101.1	10828.6	10850.3	10640.4	10092.1	9152.0	8106.0	7454.6	62.5°
65°	7414.8	8122.3	8866.1	9926.5	10630.4	10537.2	10273.0	9623.4	8481.5	7429.2	7099.9	65°
67.5°	6950.6	7629.2	8319.6	9354.6	10072.1	9981.7	9581.7	8702.3	7702.5	6830.3	6652.9	67.5°
70°	6174.3	6749.7	7356.0	8265.3	9018.1	8895.9	8196.5	7661.8	6930.7	6138.1	6076.6	70°
72.5°	5161.8	5597.9	6037.7	6714.5	7232.9	6983.2	6543.5	6515.4	5924.6	5319.3	5331.9	72.5°
75°	4037.2	4364.7	4570.1	4968.2	5312.9	5089.5	5115.7	5271.3	5076.8	4600.0	4445.2	75°
77.5°	2925.2	3239.2	3304.3	3540.5	3782.9	4037.2	4373.8	4740.2	4801.7	4533.9	3972.9	77.5°
80°	1914.5	2260.2	2131.7	2215.8	2556.9	3021.1	3635.5	4239.0	4446.1	4205.5	3515.1	80°
82.5°	1129.2	1613.2	1408.8	1552.6	1768.9	2173.3	2597.7	3052.8	3399.3	3143.2	2936.1	82.5°
85°	857.7	1272.1	1347.2	1521.9	1592.4	1609.6	1683.8	1832.2	2011.4	2078.3	2072.9	85°
87.5°	447.0	988.9	1110.2	1026.9	958.2	830.6	647.8	697.6	637.9	872.2	826.1	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°
1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
1599.7	1597.0	1598.8	1599.7	1599.7	1599.7	1601.5
1636.8	1629.5	1626.8	1626.8	1625.9	1623.2	1622.3
1676.6	1663.9	1659.4	1654.0	1649.4	1646.7	1642.2
1748.1	1737.2	1714.6	1701.9	1690.2	1682.0	1674.8
1844.0	1828.6	1806.9	1790.6	1772.5	1767.1	1758.0
1992.4	1978.8	1959.8	1941.7	1930.8	1911.8	1898.3
2224.0	2196.8	2177.8	2154.3	2128.1	2089.2	2070.2
2528.9	2474.6	2436.6	2415.8	2363.3	2357.0	2310.8
2879.0	2862.8	2804.9	2779.5	2728.9	2708.9	2636.6
3402.9	3390.3	3271.7	3259.1	3181.2	3123.3	3011.1
4091.5	3987.4	3853.5	3760.3	3627.3	3478.0	3287.1
4693.2	4480.5	4276.0	4058.9	3875.2	3660.8	3444.5
5076.8	4791.8	4528.5	4305.9	4078.8	3823.7	3545.9
5413.4	5125.6	4838.8	4575.5	4300.5	3973.8	3630.9
5816.0	5530.1	5207.1	4837.0	4484.1	4084.2	3665.3
6228.6	5893.8	5490.3	5037.0	4593.6	4138.5	3659.0
6651.1	6223.2	5686.6	5170.0	4663.3	4146.7	3616.5
6994.0	6453.0	5832.3	5237.8	4677.8	4118.6	3563.1
7236.5	6600.5	5897.4	5261.4	4659.7	4074.3	3490.7
7375.0	6681.0	5913.7	5244.2	4622.6	4010.9	3412.0
7425.6	6705.4	5897.4	5208.9	4589.1	3943.1	3356.8
7420.2	6691.8	5837.7	5126.6	4499.5	3852.6	3288.9
7318.0	6566.1	5715.6	5027.9	4423.5	3811.0	3293.4
7144.2	6486.5	5679.4	5047.8	4463.3	3900.6	3436.4
7065.5	6645.7	5883.0	5246.9	4667.8	4156.6	3731.4
7021.2	6904.5	6174.3	5461.3	4910.3	4467.0	4083.3
6840.2	6978.7	6339.9	5583.5	5126.6	4778.2	4435.3
6548.0	6805.8	6214.1	5559.9	5246.0	5017.1	4562.0
5938.2	6210.5	5654.0	5213.4	5096.7	5020.7	4372.0
4810.8	4951.9	4635.3	4535.7	4579.2	4580.1	3667.1
3547.7	3462.6	3319.7	3326.9	3619.2	3573.9	2613.9
2896.2	2370.6	2167.9	2244.8	2605.8	2411.3	1642.2
2695.4	2114.5	1745.3	1763.4	1967.9	1553.5	988.9
2179.6	1927.2	1545.4	1387.0	1346.3	1035.1	671.4
912.0	838.7	624.3	562.8	461.4	282.3	128.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)