

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: P159013

Luminaire Tested: **VTS-F06-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159013
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-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

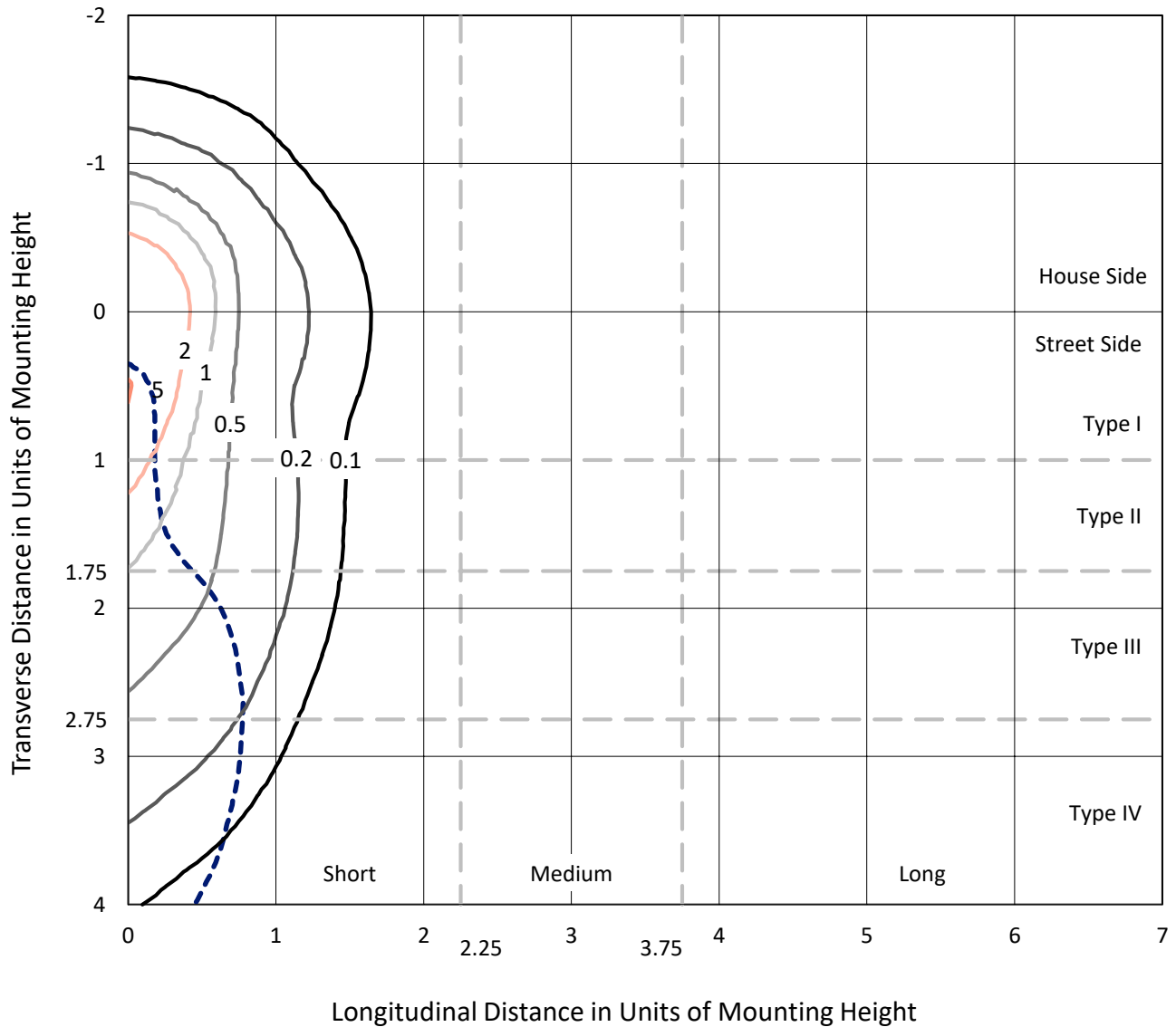
Lumens per Lamp: N/A
Luminaire Lumens: 11233.9 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

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

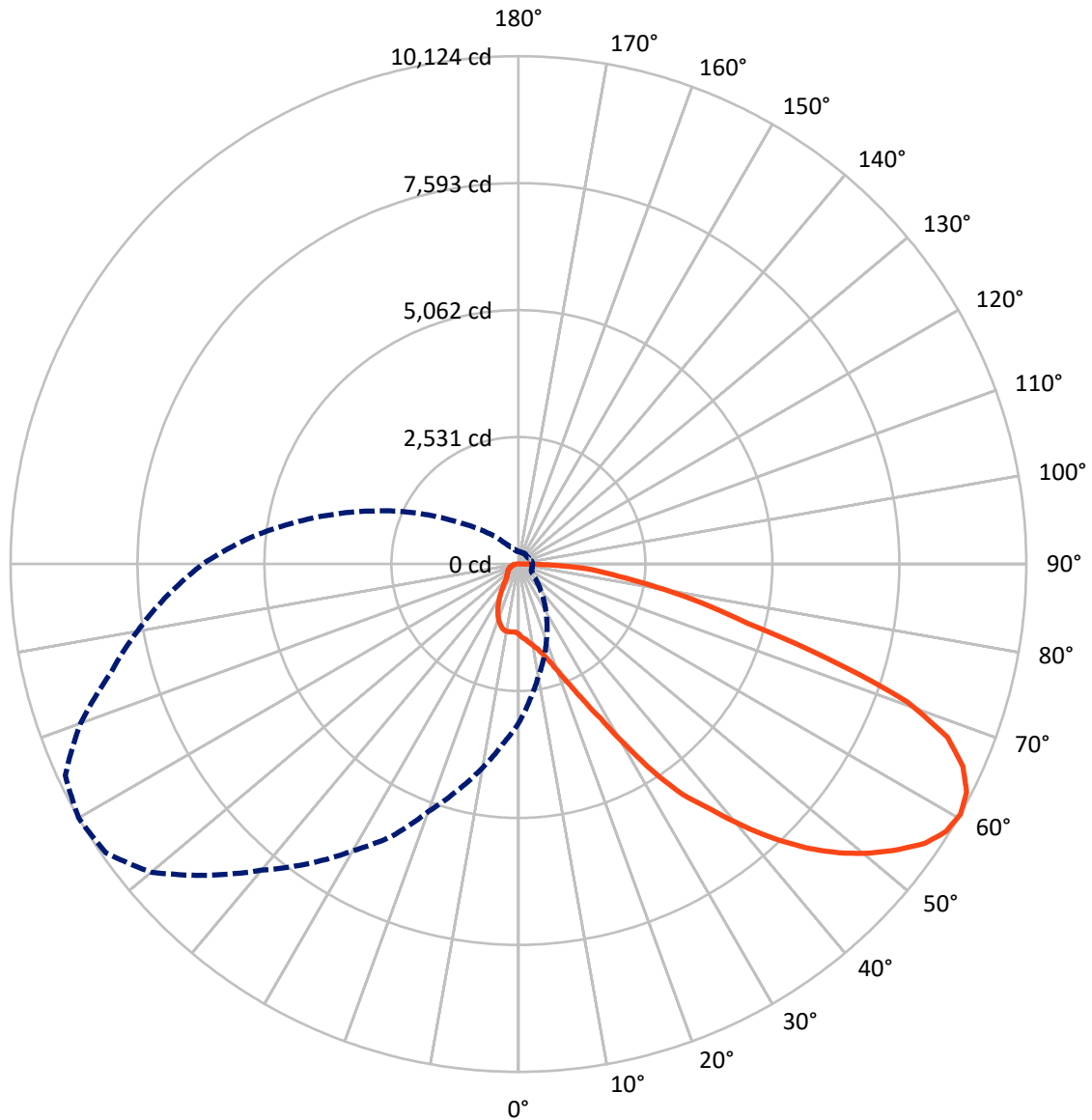
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 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	2529.5	0.0	2529.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	8704.4	0.0	8704.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	11233.9	0.0	11233.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	1.2
10°-20°	445.0	4.0
20°-30°	844.5	7.5
30°-40°	1329.9	11.8
40°-50°	1856.3	16.5
50°-60°	2295.8	20.4
60°-70°	2379.7	21.2
70°-80°	1497.4	13.3
80°-90°	447.6	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°	11233.9	100.0
0°-180°	11233.9	100.0



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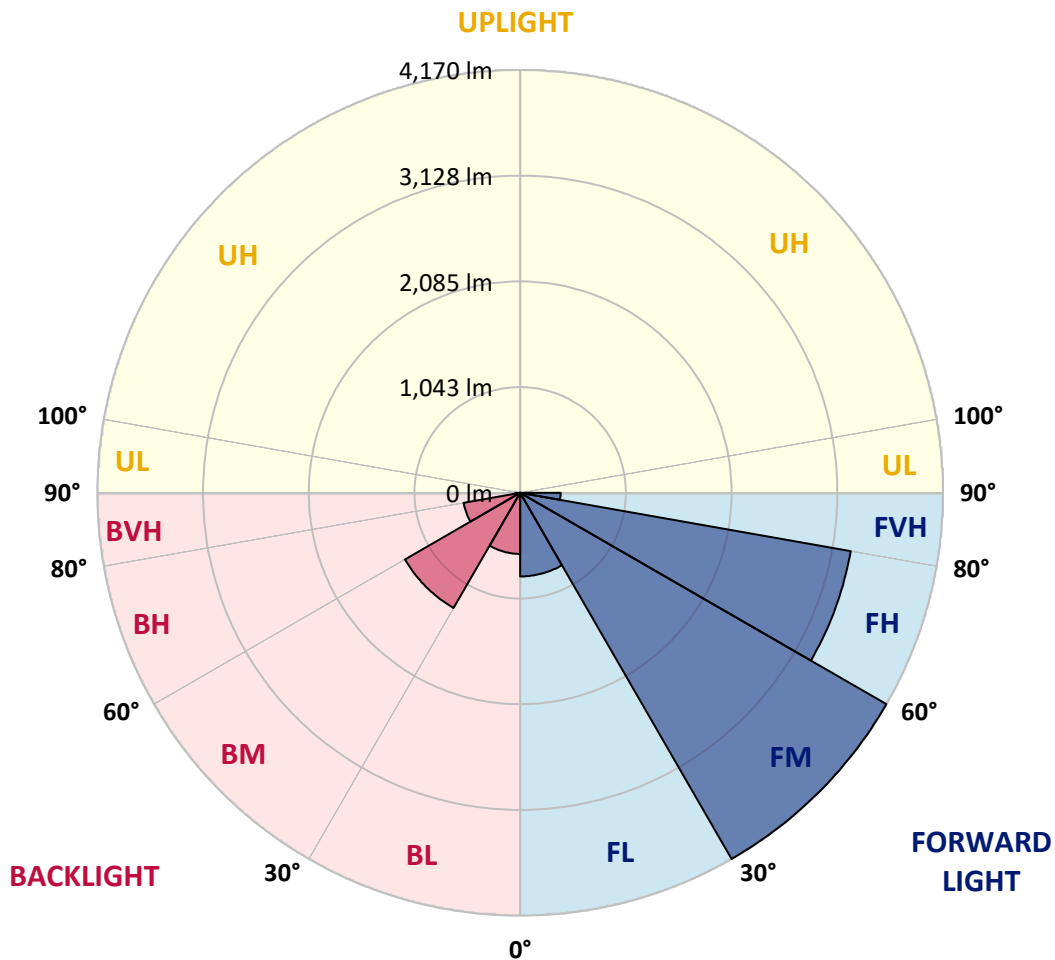
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	824.7	7.3			
FM (30°-60°)	4170.2	37.1			
FH (60°-80°)	3310.5	29.5			G2/5000
FVH (80°-90°)	398.9	3.6			G3/500
BL (0°-30°)	602.6	5.4	B2/1000		
BM (30°-60°)	1311.7	11.7	B2/2500		
BH (60°-80°)	566.5	5.0	B2/1000		G2/1000
BVH (80°-90°)	48.7	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°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1479.9	1391.2	1392.9	1390.4	1390.4	1388.7	1390.4	1388.7	1387.1	1387.1	1387.9
5°	1499.1	1401.3	1401.3	1398.8	1397.1	1395.4	1397.1	1395.4	1394.6	1392.9	1393.7
7.5°	1517.5	1407.1	1403.8	1400.4	1396.3	1397.9	1397.9	1397.1	1397.9	1397.1	1398.8
10°	1547.6	1426.4	1418.0	1410.5	1409.6	1408.0	1408.0	1405.5	1405.5	1403.8	1404.6
12.5°	1624.5	1485.7	1476.5	1463.1	1460.6	1453.1	1448.9	1443.9	1435.6	1428.0	1422.2
15°	1754.1	1584.4	1566.8	1555.1	1550.1	1535.0	1511.6	1493.2	1469.0	1448.1	1426.4
17.5°	1913.0	1716.5	1695.6	1680.5	1655.4	1614.5	1575.2	1530.0	1483.2	1440.6	1401.3
20°	2135.4	1906.3	1865.3	1829.3	1766.6	1696.4	1622.8	1544.2	1472.3	1405.5	1347.8
22.5°	2436.3	2151.2	2075.2	1979.0	1862.8	1744.1	1627.0	1518.3	1422.2	1335.2	1258.3
25°	2782.5	2385.3	2248.2	2082.7	1904.6	1740.7	1586.9	1447.3	1335.2	1223.2	1139.6
27.5°	3037.5	2581.0	2378.7	2161.3	1933.9	1724.8	1535.9	1367.0	1231.5	1117.0	1015.8
30°	3183.0	2693.0	2449.7	2194.7	1938.9	1698.1	1471.5	1275.9	1119.5	983.2	886.2
32.5°	3276.6	2753.2	2457.2	2161.3	1878.7	1618.7	1373.7	1170.5	1000.8	855.3	752.5
35°	3355.2	2777.5	2422.1	2086.9	1765.0	1498.3	1248.3	1045.1	865.3	731.6	626.2
37.5°	3387.0	2773.3	2366.1	1987.4	1653.8	1367.0	1120.4	912.2	751.6	633.8	543.5
40°	3381.1	2734.8	2290.0	1881.2	1523.3	1229.9	984.9	801.8	671.4	571.9	505.8
42.5°	3341.8	2683.8	2205.6	1773.3	1403.8	1116.2	892.9	730.7	625.4	550.1	492.5
45°	3292.5	2622.8	2128.7	1674.7	1309.3	1035.1	839.4	710.7	619.5	547.6	485.8
47.5°	3225.6	2555.1	2050.9	1604.4	1259.1	1010.8	838.6	722.4	624.6	541.8	474.1
50°	3152.9	2505.7	2008.3	1574.3	1253.3	1025.9	867.9	740.8	627.9	535.9	458.2
52.5°	3101.9	2484.0	2007.4	1585.2	1284.2	1067.7	902.1	764.2	640.4	539.3	454.8
55°	3039.2	2480.7	2029.2	1632.0	1351.9	1138.7	956.5	804.3	666.4	551.8	457.3
57.5°	3043.3	2546.7	2113.6	1747.4	1474.0	1234.9	1025.9	853.6	691.4	559.3	453.2
60°	3175.4	2700.5	2280.0	1944.7	1633.7	1347.8	1096.9	880.4	689.8	542.6	433.1
62.5°	3448.0	2931.3	2529.2	2176.3	1795.9	1434.7	1122.9	872.9	664.7	506.7	400.5
65°	3773.2	3201.4	2771.6	2356.1	1894.6	1454.8	1100.3	831.1	614.5	459.8	361.2
67.5°	4098.5	3392.8	2911.2	2407.1	1854.4	1373.7	1016.7	737.4	529.2	396.3	316.9
70°	4215.5	3432.1	2900.4	2292.5	1672.2	1172.2	836.9	593.6	424.7	324.4	266.7
72.5°	4040.0	3186.3	2578.5	1948.1	1359.5	908.8	613.7	438.1	324.4	254.2	217.4
75°	3388.6	2565.9	2038.4	1467.3	981.6	642.9	443.1	319.4	244.1	201.5	173.9
77.5°	2415.4	1786.7	1388.7	964.0	637.1	445.6	317.7	240.0	194.0	161.4	141.3
80°	1517.5	1096.9	846.1	578.6	397.1	302.7	228.3	189.8	156.3	131.3	117.9
82.5°	913.8	638.8	498.3	359.5	260.9	207.3	168.1	148.8	124.6	108.7	101.2
85°	620.4	469.9	326.9	212.4	157.2	122.1	114.5	102.8	92.8	77.8	75.2
87.5°	118.7	168.1	146.3	87.0	57.7	49.3	43.5	41.8	37.6	30.1	34.3
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1382.9	1381.2	1377.9	1377.9	1375.4	1370.3	1369.5	1366.2	1362.0	1362.8	1362.0
5°	1387.9	1384.6	1380.4	1378.7	1375.4	1370.3	1367.8	1363.7	1359.5	1359.5	1359.5
7.5°	1393.7	1389.6	1386.2	1380.4	1373.7	1368.7	1362.0	1357.0	1354.5	1353.6	1354.5
10°	1398.8	1396.3	1391.2	1382.9	1373.7	1363.7	1357.0	1350.3	1343.6	1344.4	1345.3
12.5°	1409.6	1401.3	1387.9	1375.4	1361.1	1348.6	1336.9	1328.5	1320.2	1320.2	1321.0
15°	1402.1	1377.9	1359.5	1335.2	1319.3	1299.3	1285.9	1278.4	1273.4	1271.7	1272.5
17.5°	1357.8	1328.5	1300.9	1279.2	1257.5	1241.6	1235.7	1230.7	1224.0	1227.4	1224.0
20°	1290.9	1255.0	1215.7	1189.7	1163.8	1153.0	1142.9	1137.9	1133.7	1148.8	1148.8
22.5°	1194.8	1151.3	1111.2	1079.4	1050.1	1038.4	1028.4	1022.5	1025.0	1043.4	1045.1
25°	1073.5	1020.9	968.2	949.0	919.7	910.5	904.6	903.8	906.3	924.7	928.9
27.5°	944.8	889.6	844.4	800.1	786.8	779.2	768.4	780.9	783.4	803.5	811.8
30°	807.7	748.3	700.6	671.4	642.9	647.1	637.9	653.0	659.7	680.6	687.3
32.5°	667.2	611.2	563.5	534.3	514.2	516.7	510.0	523.4	530.1	555.2	567.7
35°	551.8	504.2	465.7	440.6	431.4	422.2	420.5	422.2	428.9	448.1	470.7
37.5°	485.8	446.5	418.9	400.5	387.9	382.1	378.7	378.7	378.7	382.9	393.8
40°	457.3	422.2	398.0	380.4	372.1	368.7	366.2	363.7	359.5	357.8	358.7
42.5°	444.8	404.7	378.7	365.4	360.4	360.4	360.4	358.7	354.5	350.3	346.1
45°	432.3	388.8	362.9	353.7	351.2	352.0	352.0	352.0	348.6	343.6	336.1
47.5°	416.4	371.2	345.3	339.4	339.4	342.0	342.8	342.8	339.4	334.4	328.6
50°	397.1	348.6	325.2	320.2	317.7	317.7	317.7	317.7	315.2	311.9	307.7
52.5°	387.1	336.1	311.9	306.8	306.8	304.3	303.5	301.0	298.5	296.0	290.1
55°	383.8	331.1	306.0	301.8	301.8	299.3	296.8	294.3	290.1	285.9	280.1
57.5°	374.6	320.2	298.5	295.1	295.1	293.5	291.0	288.4	284.3	278.4	270.9
60°	353.7	301.8	283.4	282.6	282.6	281.8	280.1	280.1	275.9	270.1	260.9
62.5°	326.9	282.6	265.0	265.0	264.2	263.4	260.0	259.2	254.2	246.6	238.3
65°	301.0	265.9	254.2	250.8	249.2	246.6	245.0	240.8	236.6	229.9	221.6
67.5°	268.4	240.8	233.3	229.9	226.6	224.1	221.6	219.1	214.0	209.0	202.3
70°	233.3	213.2	209.0	208.2	204.0	201.5	200.7	198.2	193.1	188.1	179.8
72.5°	199.8	188.1	184.8	184.8	179.8	176.4	174.7	173.9	170.6	166.4	158.9
75°	161.4	153.0	152.2	156.3	156.3	153.8	152.2	153.8	148.8	146.3	138.8
77.5°	132.1	127.9	125.4	127.1	132.1	129.6	126.2	126.2	126.2	122.1	119.6
80°	112.0	108.7	106.2	107.9	107.0	106.2	104.5	101.2	101.2	101.2	100.3
82.5°	101.2	100.3	91.1	91.1	87.8	85.3	83.6	81.9	80.3	80.3	84.4
85°	76.1	78.6	73.6	72.7	68.6	65.2	61.9	60.2	58.5	61.0	69.4
87.5°	36.8	36.8	35.1	39.3	36.0	34.3	31.8	30.1	31.8	39.3	46.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1360.3	1359.5	1358.6	1357.0	1353.6	1352.8	1351.1	1351.1	1350.3	1348.6	1350.3
5°	1357.8	1359.5	1359.5	1358.6	1356.1	1357.8	1357.8	1360.3	1360.3	1362.0	1366.2
7.5°	1354.5	1358.6	1362.0	1364.5	1367.8	1370.3	1375.4	1382.9	1386.2	1392.1	1394.6
10°	1347.8	1355.3	1361.1	1368.7	1377.0	1386.2	1393.7	1405.5	1409.6	1418.0	1422.2
12.5°	1328.5	1341.1	1351.1	1366.2	1380.4	1394.6	1408.0	1423.0	1430.5	1439.7	1445.6
15°	1281.7	1295.9	1310.1	1323.5	1348.6	1376.2	1397.9	1418.0	1428.9	1440.6	1446.4
17.5°	1225.7	1234.9	1246.6	1264.2	1288.4	1312.6	1347.8	1376.2	1392.9	1406.3	1408.0
20°	1160.5	1173.9	1182.2	1188.9	1208.1	1224.9	1262.5	1295.1	1316.8	1332.7	1336.9
22.5°	1061.0	1075.2	1089.4	1094.4	1109.5	1131.2	1152.1	1187.2	1218.2	1241.6	1255.8
25°	947.3	960.7	979.9	994.9	998.3	1015.8	1036.7	1076.9	1108.6	1146.3	1163.0
27.5°	833.6	845.3	866.2	874.5	884.6	902.1	918.9	952.3	985.7	1029.2	1047.6
30°	700.6	725.7	750.0	765.9	774.2	795.1	806.8	839.4	870.4	902.1	928.9
32.5°	586.9	609.5	637.1	657.2	667.2	683.1	701.5	729.1	753.3	784.2	815.2
35°	482.4	513.4	531.7	549.3	575.2	582.7	601.1	626.2	640.4	673.9	709.0
37.5°	408.8	427.2	445.6	463.2	484.9	495.0	512.5	533.4	550.1	570.2	602.0
40°	363.7	373.7	387.1	398.8	414.7	427.2	436.4	454.0	466.5	486.6	509.2
42.5°	342.8	345.3	347.0	355.3	363.7	372.1	382.1	389.6	404.7	419.7	433.9
45°	331.1	326.1	323.6	324.4	327.7	332.8	341.1	349.5	359.5	368.7	377.1
47.5°	321.1	314.4	306.8	302.7	303.5	305.2	311.9	318.5	323.6	331.1	334.4
50°	297.6	291.8	285.1	279.3	280.1	280.9	286.8	291.8	295.1	297.6	301.8
52.5°	282.6	274.2	268.4	262.5	261.7	264.2	269.2	274.2	275.9	277.6	278.4
55°	271.7	263.4	255.8	250.0	247.5	253.3	255.0	261.7	264.2	264.2	265.0
57.5°	263.4	253.3	245.8	240.0	235.8	240.0	244.1	251.7	252.5	250.8	250.8
60°	250.8	243.3	235.8	229.9	225.7	229.1	232.4	240.8	240.8	236.6	235.8
62.5°	229.1	224.9	219.9	217.4	216.5	219.9	222.4	229.1	226.6	221.6	219.9
65°	213.2	209.9	204.8	203.2	202.3	207.3	208.2	212.4	209.0	206.5	205.7
67.5°	194.0	191.5	189.0	188.1	185.6	185.6	187.3	189.8	188.1	188.1	189.0
70°	172.2	168.9	166.4	167.2	165.5	165.5	166.4	168.1	167.2	168.9	170.6
72.5°	152.2	148.0	147.2	147.2	145.5	146.3	146.3	147.2	148.8	149.7	153.8
75°	132.9	128.8	128.8	127.9	127.9	127.9	128.8	130.4	132.1	132.9	134.6
77.5°	115.4	112.9	113.7	112.9	112.9	112.9	112.9	115.4	116.2	117.1	119.6
80°	99.5	99.5	100.3	100.3	99.5	98.7	99.5	101.2	102.0	102.8	103.7
82.5°	90.3	91.1	91.1	91.1	87.0	85.3	87.8	89.5	91.1	92.0	93.6
85°	77.8	74.4	77.8	76.9	71.1	70.2	70.2	71.1	72.7	71.1	71.1
87.5°	50.2	45.1	47.7	47.7	41.8	34.3	43.5	46.8	41.8	44.3	44.3
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1352.8	1351.1	1351.9	1351.9	1353.6	1351.1	1354.5	1357.8	1358.6	1358.6	1359.5
5°	1370.3	1368.7	1374.5	1372.0	1377.9	1377.0	1381.2	1384.6	1386.2	1386.2	1386.2
7.5°	1397.9	1403.8	1407.1	1416.3	1417.2	1422.2	1426.4	1430.5	1428.9	1429.7	1428.9
10°	1428.9	1436.4	1444.8	1453.9	1454.8	1460.6	1467.3	1471.5	1469.8	1469.0	1466.5
12.5°	1455.6	1460.6	1470.7	1479.9	1484.9	1494.1	1500.8	1504.1	1504.1	1501.6	1499.1
15°	1453.9	1461.5	1472.3	1485.7	1494.9	1508.3	1520.0	1527.5	1528.4	1525.9	1525.0
17.5°	1417.2	1428.0	1438.1	1456.5	1473.2	1491.6	1510.8	1521.7	1531.7	1537.6	1540.9
20°	1351.1	1364.5	1378.7	1402.9	1425.5	1449.8	1472.3	1488.2	1503.3	1520.8	1541.7
22.5°	1273.4	1293.4	1313.5	1344.4	1372.0	1399.6	1425.5	1444.8	1468.2	1498.3	1537.6
25°	1182.2	1203.1	1228.2	1264.2	1299.3	1339.4	1377.9	1416.3	1461.5	1513.3	1574.3
27.5°	1074.4	1097.8	1130.4	1173.9	1214.0	1255.0	1315.2	1376.2	1449.8	1516.7	1586.0
30°	967.3	997.4	1032.6	1076.0	1116.2	1174.7	1234.9	1310.1	1387.9	1463.1	1545.9
32.5°	852.0	889.6	933.1	969.0	1014.2	1073.5	1133.7	1214.0	1296.8	1385.4	1476.5
35°	740.8	776.7	811.0	851.1	896.3	952.3	1010.8	1087.7	1192.3	1286.7	1395.4
37.5°	627.9	661.3	685.6	717.4	756.7	818.5	881.2	969.9	1068.5	1184.7	1293.4
40°	529.2	556.8	584.4	609.5	642.9	701.5	768.4	855.3	952.3	1065.2	1186.4
42.5°	450.6	471.6	501.6	531.7	560.2	610.3	673.0	758.3	854.5	969.9	1091.1
45°	384.6	398.8	423.1	448.1	483.3	525.1	585.3	672.2	770.0	886.2	1014.2
47.5°	336.9	343.6	360.4	386.3	418.9	459.8	511.7	590.3	685.6	802.6	937.2
50°	304.3	311.9	320.2	342.0	371.2	413.0	455.7	524.2	611.2	725.7	859.5
52.5°	281.8	285.1	288.4	301.8	328.6	363.7	408.8	460.7	548.5	658.0	778.4
55°	268.4	269.2	271.7	278.4	298.5	331.1	370.4	419.7	488.3	591.9	714.9
57.5°	252.5	254.2	256.7	260.9	273.4	302.7	336.1	376.2	433.1	520.0	637.9
60°	237.4	241.6	245.8	248.3	255.0	272.6	301.0	332.8	378.7	444.0	537.6
62.5°	221.6	226.6	229.9	232.4	234.9	245.8	266.7	287.6	316.0	358.7	428.9
65°	207.3	210.7	213.2	214.9	216.5	219.9	229.1	237.4	245.8	271.7	322.7
67.5°	191.5	193.1	194.0	194.8	194.0	194.0	194.8	198.2	201.5	211.5	235.8
70°	173.1	175.6	175.6	176.4	176.4	173.9	173.9	173.9	173.9	176.4	189.8
72.5°	155.5	158.9	158.9	159.7	158.9	158.0	158.0	158.0	160.5	162.2	167.2
75°	138.8	142.1	141.3	142.1	143.0	143.0	144.6	145.5	148.0	148.8	152.2
77.5°	122.1	124.6	125.4	124.6	126.2	127.9	131.3	132.9	133.8	134.6	135.4
80°	106.2	107.9	107.0	104.5	108.7	111.2	116.2	122.1	120.4	121.2	122.9
82.5°	87.8	85.3	83.6	85.3	87.8	91.1	96.1	103.7	104.5	108.7	107.9
85°	67.7	60.2	59.4	63.5	62.7	66.9	75.2	81.1	86.1	90.3	86.1
87.5°	40.1	36.0	30.1	28.4	30.9	41.0	42.6	51.8	56.0	57.7	51.8
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°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
2.5°	1435.6	1439.7	1439.7	1441.4	1443.9	1444.8	1448.1	1453.9	1454.8	1454.8	1457.3
5°	1462.3	1466.5	1466.5	1469.8	1470.7	1474.8	1479.0	1485.7	1489.1	1488.2	1499.1
7.5°	1505.8	1502.4	1499.9	1504.9	1507.5	1512.5	1520.8	1526.7	1532.5	1541.7	1556.8
10°	1542.6	1537.6	1535.0	1538.4	1540.1	1545.9	1550.9	1559.3	1573.5	1587.7	1606.1
12.5°	1572.7	1566.8	1560.1	1561.8	1564.3	1571.8	1580.2	1591.1	1612.0	1630.4	1658.0
15°	1597.8	1589.4	1582.7	1586.0	1591.9	1601.9	1616.1	1635.4	1669.7	1701.4	1738.2
17.5°	1622.0	1620.3	1617.8	1628.7	1632.9	1656.3	1677.2	1712.3	1759.1	1806.8	1859.4
20°	1645.4	1663.8	1673.0	1694.7	1708.1	1739.9	1771.7	1814.3	1873.7	1938.9	2010.8
22.5°	1678.0	1728.2	1759.1	1803.4	1826.0	1860.3	1907.1	1963.1	2029.2	2112.8	2204.7
25°	1755.8	1829.3	1891.2	1960.6	2017.5	2070.1	2126.2	2193.9	2289.2	2365.3	2485.7
27.5°	1790.1	1893.7	1986.5	2084.4	2169.6	2250.7	2339.4	2421.3	2534.2	2637.0	2782.5
30°	1757.4	1874.5	1994.9	2122.8	2247.4	2370.3	2499.1	2624.5	2754.9	2898.7	3053.4
32.5°	1697.2	1828.5	1964.0	2114.5	2269.1	2428.8	2596.0	2778.3	2962.2	3141.2	3299.2
35°	1636.2	1777.5	1928.0	2100.2	2282.5	2480.7	2688.0	2918.8	3162.1	3388.6	3595.2
37.5°	1547.6	1703.1	1875.3	2074.3	2290.9	2535.0	2801.7	3086.0	3393.7	3705.5	3976.4
40°	1440.6	1605.3	1793.4	2022.5	2282.5	2591.0	2938.0	3302.5	3698.0	4078.4	4411.2
42.5°	1342.7	1503.3	1703.9	1953.1	2260.8	2640.3	3067.6	3521.6	3989.8	4415.4	4850.1
45°	1256.6	1433.9	1635.4	1904.6	2249.9	2682.2	3163.7	3685.5	4221.4	4728.0	5241.4
47.5°	1178.0	1362.0	1587.7	1877.8	2244.9	2707.2	3230.6	3792.5	4386.1	4968.0	5564.1
50°	1096.9	1275.9	1517.5	1848.6	2232.3	2706.4	3265.7	3865.2	4501.5	5154.4	5786.5
52.5°	1010.0	1189.7	1432.2	1795.1	2205.6	2691.4	3274.9	3914.5	4592.6	5269.0	5975.5
55°	930.6	1098.6	1341.1	1705.6	2149.6	2654.6	3254.0	3935.4	4657.0	5382.7	6108.4
57.5°	839.4	1014.2	1244.9	1582.7	2044.2	2589.3	3194.7	3906.2	4675.4	5458.8	6213.8
60°	714.0	885.4	1122.9	1437.2	1879.5	2451.4	3084.3	3817.6	4616.8	5472.2	6289.0
62.5°	570.2	718.2	947.3	1236.6	1647.9	2234.8	2880.3	3618.6	4434.6	5346.7	6250.6
65°	423.9	522.6	719.9	974.0	1379.5	1908.8	2551.7	3285.0	4078.4	4998.1	6008.9
67.5°	295.1	366.2	487.4	676.4	1003.3	1474.0	2082.7	2764.1	3527.4	4352.6	5507.3
70°	223.2	255.8	321.9	427.2	649.6	1004.1	1514.1	2121.1	2829.3	3624.4	4712.2
72.5°	190.6	207.3	244.1	292.6	398.0	610.3	950.6	1459.8	2087.7	2734.8	3615.2
75°	171.4	185.6	209.0	240.0	281.8	370.4	557.7	923.9	1382.9	1831.9	2522.5
77.5°	155.5	168.1	189.0	204.8	227.4	266.7	355.3	552.7	828.6	1132.1	1565.1
80°	138.8	146.3	165.5	181.4	199.0	221.6	255.0	347.0	475.7	670.5	923.0
82.5°	118.7	124.6	138.8	160.5	173.9	183.1	193.1	229.9	285.1	363.7	512.5
85°	92.0	96.1	108.7	124.6	130.4	131.3	132.9	143.0	177.2	272.6	441.5
87.5°	46.8	51.8	65.2	70.2	59.4	64.4	65.2	69.4	92.0	149.7	152.2
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°	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	0°
2.5°	1457.3	1459.8	1465.7	1464.8	1469.0	1469.0	1469.0	1473.2	1470.7	1473.2	1477.4	2.5°
5°	1499.1	1503.3	1511.6	1511.6	1512.5	1510.0	1515.0	1518.3	1514.1	1512.5	1513.3	5°
7.5°	1560.1	1566.8	1573.5	1580.2	1585.2	1582.7	1583.5	1576.0	1574.3	1568.5	1561.0	7.5°
10°	1619.5	1637.9	1650.4	1662.1	1663.0	1660.5	1661.3	1648.8	1646.2	1634.5	1627.0	10°
12.5°	1680.5	1703.9	1724.0	1736.5	1744.1	1745.7	1746.6	1746.6	1734.9	1724.8	1707.3	12.5°
15°	1770.8	1811.8	1842.7	1856.1	1867.0	1877.0	1879.5	1882.9	1873.7	1860.3	1857.8	15°
17.5°	1913.8	1952.3	1993.2	2029.2	2053.4	2055.1	2076.0	2074.3	2093.6	2078.5	2074.3	17.5°
20°	2083.5	2167.1	2209.8	2257.4	2285.0	2298.4	2346.9	2331.8	2346.0	2370.3	2346.0	20°
22.5°	2295.9	2402.1	2463.9	2529.2	2574.3	2606.9	2642.0	2669.6	2708.1	2726.5	2709.7	22.5°
25°	2577.6	2698.9	2772.5	2862.7	2934.7	2993.2	3054.2	3127.8	3126.9	3171.3	3202.2	25°
27.5°	2901.2	3055.9	3162.9	3321.8	3383.6	3482.3	3586.8	3700.5	3720.6	3778.3	3807.5	27.5°
30°	3205.5	3397.0	3609.4	3798.3	4012.4	4158.7	4279.9	4360.2	4481.4	4451.3	4434.6	30°
32.5°	3486.5	3741.5	4044.1	4354.3	4693.8	4925.4	5139.4	5238.9	5314.1	5154.4	4942.9	32.5°
35°	3851.0	4156.2	4502.3	4885.2	5316.6	5645.2	5866.0	5896.9	5854.3	5649.4	5299.1	35°
37.5°	4302.5	4622.7	5016.5	5421.2	5879.3	6187.8	6439.5	6484.7	6371.8	6006.4	5638.5	37.5°
40°	4748.1	5123.5	5550.8	6029.8	6504.7	6844.2	7096.7	7110.0	6926.1	6498.9	6068.3	40°
42.5°	5235.5	5646.1	6121.8	6652.7	7143.5	7487.1	7669.4	7727.1	7467.1	6919.4	6506.4	42.5°
45°	5656.1	6146.9	6677.0	7241.3	7754.7	8080.7	8266.3	8248.0	7933.6	7392.6	6908.6	45°
47.5°	6065.8	6605.9	7164.4	7763.9	8273.9	8603.3	8793.9	8777.2	8378.4	7755.5	7222.9	47.5°
50°	6430.3	7016.4	7613.4	8253.8	8762.1	9064.0	9297.2	9223.7	8719.5	8047.3	7425.3	50°
52.5°	6683.6	7337.5	7961.2	8653.5	9176.8	9462.8	9759.6	9523.0	8921.0	8226.2	7533.9	52.5°
55°	6844.2	7558.2	8208.7	8974.5	9488.7	9830.7	10022.1	9686.0	8998.8	8275.5	7571.6	55°
57.5°	6952.9	7679.4	8354.1	9160.1	9769.6	10056.4	10103.2	9691.9	8948.6	8197.8	7533.9	57.5°
60°	7006.4	7715.4	8420.2	9290.6	9966.9	10124.1	10038.8	9556.4	8775.5	7969.5	7291.5	60°
62.5°	7000.5	7670.2	8385.9	9334.0	10006.2	10026.3	9832.3	9325.7	8457.0	7490.5	6888.5	62.5°
65°	6851.7	7505.5	8192.8	9172.7	9823.1	9737.0	9492.9	8892.6	7837.4	6865.1	6560.7	65°
67.5°	6422.8	7049.8	7687.8	8644.3	9307.3	9223.7	8854.1	8041.4	7117.6	6311.6	6147.7	67.5°
70°	5705.4	6237.2	6797.4	7637.6	8333.2	8220.4	7574.1	7079.9	6404.4	5672.0	5615.1	70°
72.5°	4769.9	5172.8	5579.2	6204.6	6683.6	6452.9	6046.5	6020.6	5474.7	4915.3	4927.0	72.5°
75°	3730.6	4033.3	4223.1	4590.9	4909.5	4703.0	4727.2	4871.0	4691.3	4250.6	4107.7	75°
77.5°	2703.1	2993.2	3053.4	3271.6	3495.7	3730.6	4041.6	4380.2	4437.1	4189.6	3671.2	77.5°
80°	1769.2	2088.5	1969.8	2047.6	2362.8	2791.7	3359.4	3917.0	4108.5	3886.1	3248.2	80°
82.5°	1043.4	1490.7	1301.8	1434.7	1634.5	2008.3	2400.4	2820.9	3141.2	2904.6	2713.1	82.5°
85°	792.6	1175.5	1244.9	1406.3	1471.5	1487.4	1555.9	1693.1	1858.6	1920.5	1915.5	85°
87.5°	413.0	913.8	1025.9	949.0	885.4	767.5	598.6	644.6	589.4	806.0	763.3	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°
1397.1	1397.1	1397.1	1397.1	1397.1	1397.1	1397.1
1478.2	1475.7	1477.4	1478.2	1478.2	1478.2	1479.9
1512.5	1505.8	1503.3	1503.3	1502.4	1499.9	1499.1
1549.3	1537.6	1533.4	1528.4	1524.2	1521.7	1517.5
1615.3	1605.3	1584.4	1572.7	1561.8	1554.3	1547.6
1703.9	1689.7	1669.7	1654.6	1637.9	1632.9	1624.5
1841.1	1828.5	1811.0	1794.2	1784.2	1766.6	1754.1
2055.1	2030.0	2012.5	1990.7	1966.5	1930.5	1913.0
2336.9	2286.7	2251.6	2232.3	2183.8	2178.0	2135.4
2660.4	2645.4	2591.9	2568.4	2521.6	2503.2	2436.3
3144.5	3132.8	3023.3	3011.6	2939.7	2886.2	2782.5
3780.8	3684.6	3560.9	3474.8	3351.9	3213.9	3037.5
4336.8	4140.3	3951.3	3750.7	3580.9	3382.8	3183.0
4691.3	4427.9	4184.6	3978.9	3769.1	3533.3	3276.6
5002.3	4736.4	4471.4	4228.1	3973.9	3672.1	3355.2
5374.3	5110.1	4811.7	4469.7	4143.6	3774.1	3387.0
5755.6	5446.2	5073.3	4654.5	4244.8	3824.2	3381.1
6146.0	5750.6	5254.8	4777.4	4309.2	3831.8	3341.8
6462.9	5962.9	5389.4	4840.1	4322.5	3805.8	3292.5
6687.0	6099.2	5449.6	4861.8	4305.8	3764.9	3225.6
6814.9	6173.6	5464.6	4845.9	4271.5	3706.4	3152.9
6861.7	6196.2	5449.6	4813.3	4240.6	3643.6	3101.9
6856.7	6183.7	5394.4	4737.2	4157.8	3560.0	3039.2
6762.2	6067.5	5281.5	4646.1	4087.6	3521.6	3043.3
6601.7	5993.9	5248.1	4664.5	4124.4	3604.4	3175.4
6529.0	6141.0	5436.2	4848.4	4313.4	3841.0	3448.0
6488.0	6380.1	5705.4	5046.6	4537.4	4127.7	3773.2
6320.8	6448.7	5858.4	5159.5	4737.2	4415.4	4098.5
6050.7	6289.0	5742.2	5137.7	4847.6	4636.1	4215.5
5487.2	5738.9	5224.7	4817.5	4709.7	4639.4	4040.0
4445.5	4575.9	4283.3	4191.3	4231.4	4232.3	3388.6
3278.3	3199.7	3067.6	3074.3	3344.3	3302.5	2415.4
2676.3	2190.5	2003.3	2074.3	2407.9	2228.2	1517.5
2490.7	1953.9	1612.8	1629.5	1818.5	1435.6	913.8
2014.1	1780.9	1428.0	1281.7	1244.1	956.5	620.4
842.8	775.0	576.9	520.0	426.4	260.9	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)