

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: INVUE

Report Number: P181088

Luminaire Tested: **ICM-E04-LED-E1-SLR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181088
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E04-LED-E1-SLR
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10353.4 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 97.2
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

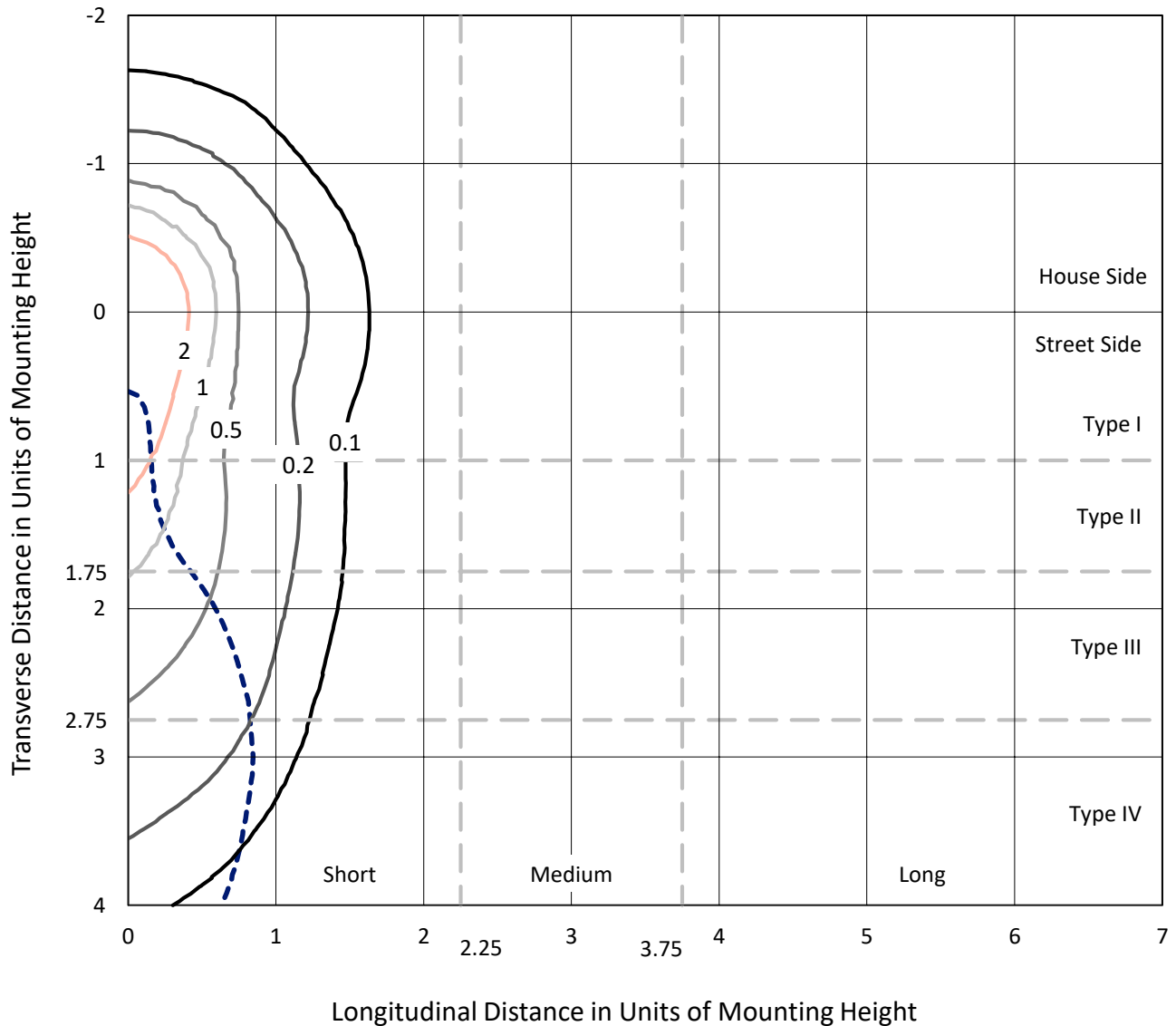


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Iso-Footcandle Lines of Horizontal Illumination

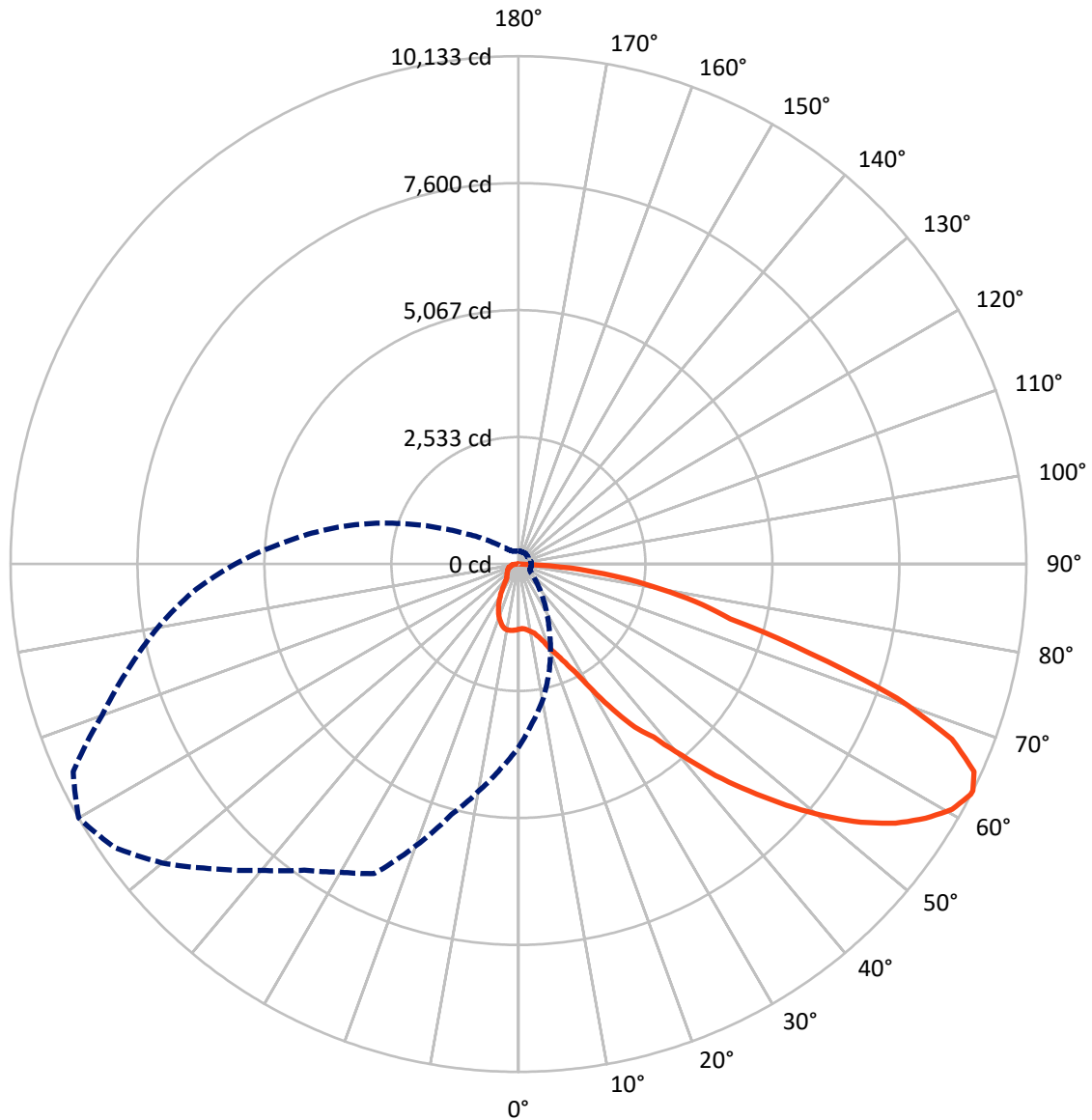
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2245.1	0.0	2245.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8108.3	0.0	8108.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	10353.4	0.0	10353.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	1.2
10°-20°	394.5	3.8
20°-30°	700.8	6.8
30°-40°	1103.5	10.7
40°-50°	1624.1	15.7
50°-60°	2157.2	20.8
60°-70°	2376.2	23.0
70°-80°	1490.8	14.4
80°-90°	379.7	3.7
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°	10353.4	100.0
0°-180°	10353.4	100.0



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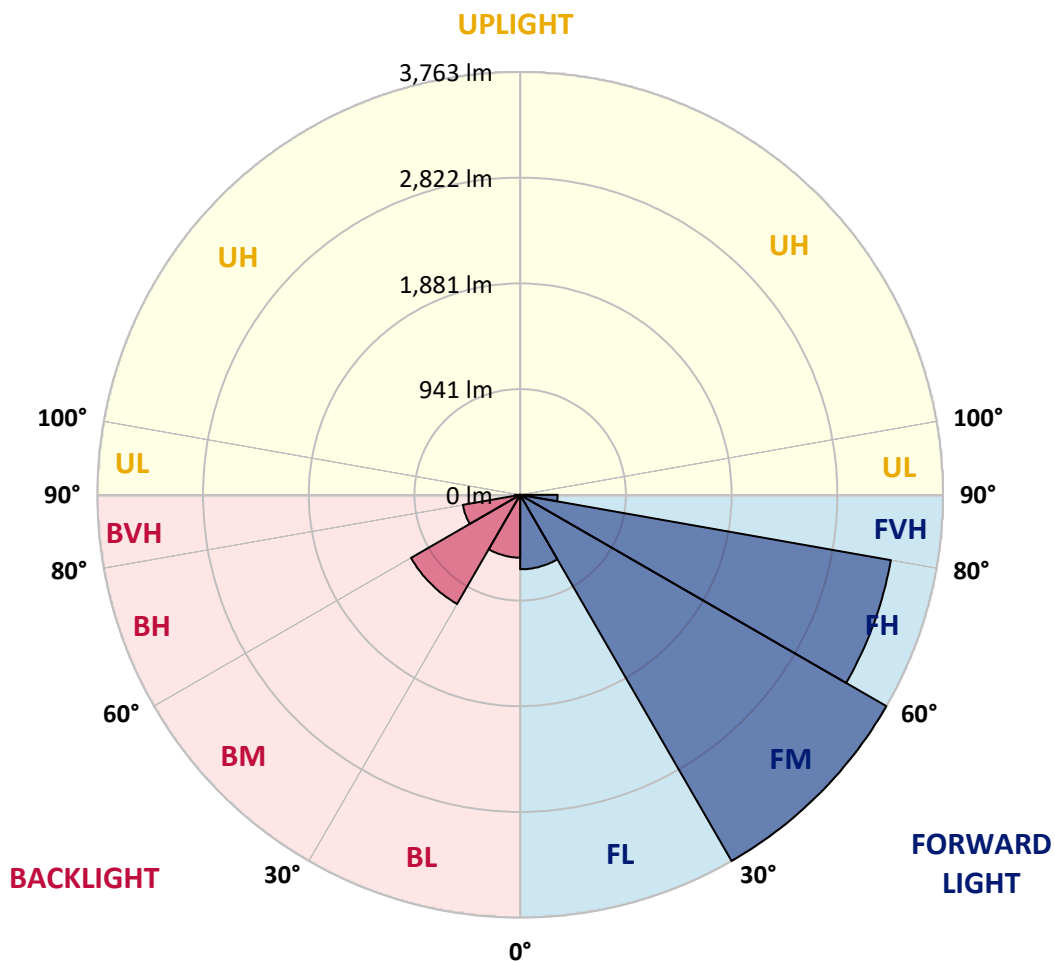
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	662.9	6.4			
FM	(30°-60°)	3762.7	36.3			
FH	(60°-80°)	3349.5	32.4			G2/5000
FVH	(80°-90°)	333.2	3.2			G3/500
BL	(0°-30°)	558.9	5.4	B2/1000		
BM	(30°-60°)	1122.1	10.8	B2/2500		
BH	(60°-80°)	517.5	5.0	B2/1000		G2/1000
BVH	(80°-90°)	46.5	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°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1283.7	1287.4	1286.2	1286.2	1288.7	1287.4	1287.4	1288.7	1288.7	1292.4	1297.4
5°	1273.8	1272.6	1270.1	1272.6	1272.6	1272.6	1267.6	1271.4	1272.6	1275.1	1275.1
7.5°	1286.2	1282.5	1277.5	1278.8	1278.8	1276.3	1272.6	1273.8	1272.6	1272.6	1271.4
10°	1302.3	1293.7	1287.4	1287.4	1287.4	1284.9	1278.8	1282.5	1282.5	1281.2	1282.5
12.5°	1330.9	1320.9	1313.5	1311.0	1311.0	1307.3	1302.3	1307.3	1304.8	1304.8	1302.3
15°	1378.0	1366.8	1358.1	1350.7	1351.9	1351.9	1345.8	1342.1	1337.0	1330.9	1318.4
17.5°	1448.7	1436.3	1425.1	1418.9	1420.2	1411.5	1394.1	1376.8	1353.2	1329.6	1303.5
20°	1549.1	1545.4	1530.5	1524.4	1509.5	1488.4	1440.0	1399.1	1353.2	1308.6	1263.9
22.5°	1722.8	1705.4	1690.5	1667.0	1617.4	1559.1	1478.4	1406.5	1334.6	1271.4	1211.8
25°	1956.0	1924.9	1851.8	1779.8	1678.1	1574.0	1464.8	1371.8	1282.5	1199.4	1126.2
27.5°	2185.4	2091.2	1960.9	1830.7	1681.9	1545.4	1409.0	1298.6	1194.4	1103.9	1023.3
30°	2463.3	2304.5	2104.9	1898.9	1688.1	1504.5	1340.8	1211.8	1091.4	996.0	911.6
32.5°	2723.7	2494.2	2232.6	1962.2	1701.7	1466.1	1262.6	1116.3	992.3	871.9	788.8
35°	2902.3	2604.7	2287.2	1968.4	1668.2	1392.8	1164.7	992.3	868.2	756.6	658.6
37.5°	3009.0	2653.0	2289.6	1923.7	1590.1	1293.7	1040.7	869.5	755.4	648.7	571.8
40°	3076.0	2664.2	2257.4	1859.3	1490.9	1168.4	916.6	762.8	658.6	573.0	513.5
42.5°	3108.2	2646.8	2205.3	1777.4	1390.4	1056.8	829.8	684.7	594.1	533.3	488.7
45°	3113.2	2615.8	2149.5	1703.0	1301.1	976.1	770.2	652.4	578.0	527.2	482.5
47.5°	3113.2	2588.6	2104.9	1648.4	1242.8	941.4	765.3	666.1	592.8	535.8	482.5
50°	3115.6	2579.8	2086.2	1621.1	1223.0	960.0	807.4	708.2	625.1	550.7	481.2
52.5°	3126.8	2591.0	2101.1	1642.1	1258.9	1034.4	886.8	771.4	667.3	568.1	481.2
55°	3151.6	2628.2	2164.4	1715.4	1355.6	1147.3	982.3	839.7	700.7	575.5	473.8
57.5°	3221.1	2722.5	2279.7	1856.8	1520.7	1277.5	1069.1	888.1	713.2	569.3	458.9
60°	3360.0	2909.8	2476.9	2055.2	1695.5	1389.1	1120.0	895.5	702.1	549.5	435.4
62.5°	3582.1	3124.4	2716.3	2271.0	1850.5	1451.2	1126.2	876.9	672.3	513.5	400.7
63°	3658.9	3177.7	2767.2	2311.9	1870.4	1456.1	1121.2	869.5	664.8	503.5	395.6
65°	3873.5	3402.2	2943.3	2455.8	1926.2	1457.4	1094.0	832.3	630.1	465.1	360.9
67.5°	4274.2	3697.4	3165.3	2568.7	1946.1	1417.7	1024.5	762.8	556.9	405.6	317.5
70°	4527.2	3862.3	3250.9	2571.2	1887.7	1304.8	904.2	650.0	463.9	336.1	272.8
72.5°	4461.4	3699.8	3025.1	2339.3	1636.0	1090.2	726.8	511.0	362.1	269.1	227.0
75°	3821.4	3079.7	2468.2	1812.1	1236.6	801.2	532.1	364.7	267.9	210.9	189.8
77.5°	2751.0	2216.5	1770.0	1291.2	833.5	518.4	353.5	260.5	203.4	173.7	156.3
80°	1752.6	1299.8	1082.8	776.5	487.4	321.2	243.1	197.2	167.4	145.1	134.0
82.5°	915.4	641.2	520.9	396.9	270.4	212.1	178.6	161.2	137.7	120.3	114.1
85°	570.5	378.3	280.3	196.0	135.2	121.6	111.6	109.1	98.0	86.8	83.1
87.5°	64.5	58.3	60.7	38.4	28.6	31.0	29.8	39.7	38.4	28.6	29.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1292.4	1294.9	1294.9	1298.6	1298.6	1301.1	1303.5	1303.5	1306.1	1307.3	1309.8
5°	1277.5	1277.5	1277.5	1282.5	1283.7	1291.2	1293.7	1296.1	1298.6	1307.3	1312.3
7.5°	1273.8	1268.8	1271.4	1271.4	1275.1	1281.2	1287.4	1291.2	1294.9	1306.1	1313.5
10°	1281.2	1277.5	1273.8	1273.8	1275.1	1277.5	1282.5	1286.2	1288.7	1299.8	1306.1
12.5°	1301.1	1292.4	1284.9	1278.8	1273.8	1272.6	1270.1	1271.4	1273.8	1280.0	1288.7
15°	1304.8	1288.7	1272.6	1256.5	1244.0	1236.6	1230.4	1227.9	1227.9	1231.6	1241.6
17.5°	1280.0	1252.8	1229.1	1208.1	1194.4	1180.8	1174.6	1169.6	1167.2	1172.1	1173.3
20°	1226.7	1194.4	1162.1	1137.4	1112.6	1108.8	1098.9	1101.4	1103.9	1111.4	1115.1
22.5°	1153.5	1115.1	1075.4	1049.3	1029.5	1012.1	1000.9	1005.9	1009.6	1017.0	1020.8
25°	1064.2	1008.4	966.2	940.2	919.1	904.2	891.8	896.7	891.8	900.5	914.1
27.5°	958.8	893.0	848.4	818.6	803.7	791.4	778.9	778.9	791.4	791.4	802.5
30°	831.0	782.6	724.4	693.3	674.7	667.3	666.1	663.5	672.3	677.2	689.6
32.5°	710.7	651.2	595.4	565.6	549.5	540.7	542.0	543.3	547.0	554.4	574.2
35°	589.1	537.0	497.4	463.9	447.7	431.6	431.6	429.1	432.8	441.6	465.1
37.5°	511.0	465.1	434.1	408.1	391.9	382.0	373.3	369.6	369.6	373.3	382.0
40°	467.6	434.1	405.6	383.3	368.4	359.7	354.7	351.0	348.6	348.6	349.8
42.5°	447.7	413.0	384.5	364.7	353.5	348.6	347.3	346.0	342.3	341.1	339.8
45°	437.9	398.1	365.9	349.8	341.1	338.6	339.8	339.8	338.6	336.1	331.2
47.5°	430.4	384.5	352.3	337.4	333.7	333.7	333.7	333.7	332.4	331.2	327.4
50°	418.0	363.4	328.7	317.5	315.1	315.1	316.3	316.3	318.8	316.3	313.8
52.5°	404.4	343.5	308.8	298.9	297.7	296.5	296.5	296.5	297.7	297.7	296.5
55°	389.5	328.7	298.9	291.4	292.7	291.4	290.2	289.0	289.0	287.7	285.3
57.5°	374.6	316.3	291.4	286.5	287.7	287.7	285.3	282.8	281.6	277.9	275.4
60°	352.3	298.9	276.6	274.1	277.9	277.9	277.9	276.6	276.6	275.4	269.1
62.5°	322.5	274.1	256.7	258.0	259.3	261.7	261.7	261.7	261.7	259.3	253.0
63°	316.3	269.1	253.0	253.0	256.7	256.7	258.0	256.7	258.0	255.5	248.1
65°	291.4	253.0	240.7	241.9	244.4	244.4	244.4	243.1	243.1	239.4	235.6
67.5°	263.0	233.2	225.8	227.0	228.2	230.7	229.5	229.5	230.7	228.2	224.5
70°	230.7	212.1	207.2	208.4	209.6	209.6	208.4	208.4	209.6	207.2	203.4
72.5°	205.9	198.4	194.7	194.7	192.3	192.3	189.8	188.6	187.3	187.3	183.5
75°	173.7	172.4	173.7	176.1	173.7	171.2	170.0	166.2	163.7	163.7	162.5
77.5°	148.8	148.8	151.3	155.1	156.3	156.3	152.6	146.3	145.1	145.1	145.1
80°	129.0	126.5	126.5	130.2	134.0	132.7	126.5	120.3	120.3	126.5	127.7
82.5°	112.8	112.8	109.1	110.4	109.1	107.9	101.7	98.0	96.7	101.7	106.7
85°	89.3	90.5	89.3	88.1	86.8	83.1	78.1	74.4	73.2	78.1	85.6
87.5°	36.0	34.7	33.5	34.7	33.5	36.0	34.7	32.3	31.0	34.7	42.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1311.0	1313.5	1316.0	1316.0	1318.4	1317.2	1318.4	1319.7	1319.7	1320.9	1320.9
5°	1318.4	1322.1	1327.2	1332.1	1333.3	1337.0	1340.8	1338.3	1342.1	1347.0	1347.0
7.5°	1320.9	1329.6	1333.3	1340.8	1342.1	1347.0	1355.6	1349.5	1356.9	1360.7	1361.9
10°	1317.2	1325.9	1332.1	1340.8	1344.5	1353.2	1361.9	1359.4	1368.1	1374.2	1375.5
12.5°	1294.9	1303.5	1317.2	1329.6	1339.5	1353.2	1369.3	1364.4	1376.8	1384.2	1387.9
15°	1251.4	1260.2	1275.1	1294.9	1313.5	1334.6	1355.6	1359.4	1371.8	1380.5	1384.2
17.5°	1183.3	1194.4	1210.5	1231.6	1255.2	1291.2	1318.4	1332.1	1349.5	1354.4	1360.7
20°	1120.0	1131.2	1141.1	1153.5	1170.9	1205.6	1241.6	1268.8	1291.2	1309.8	1314.7
22.5°	1035.6	1045.6	1058.0	1067.9	1080.3	1105.1	1134.9	1165.9	1200.7	1211.8	1224.2
25°	934.0	940.2	957.5	963.7	972.4	993.5	1017.0	1039.4	1072.8	1096.5	1102.6
27.5°	824.8	831.0	847.2	850.9	862.1	881.9	899.3	907.9	938.9	963.7	983.5
30°	698.3	714.4	734.2	736.7	749.1	761.6	777.7	786.3	814.9	840.9	865.8
32.5°	589.1	605.3	621.4	631.4	637.5	647.4	663.5	672.3	699.5	723.1	747.9
35°	477.5	497.4	514.7	528.4	533.3	545.8	558.1	566.8	595.4	616.5	633.8
37.5°	393.2	408.1	426.7	440.3	454.0	462.6	477.5	490.0	507.3	518.4	537.0
40°	352.3	359.7	369.6	380.7	391.9	401.9	413.0	423.0	434.1	449.0	461.4
42.5°	338.6	339.8	339.8	343.5	349.8	354.7	364.7	372.1	379.5	390.7	396.9
45°	328.7	327.4	324.9	322.5	323.7	326.2	332.4	337.4	346.0	351.0	352.3
47.5°	323.7	318.8	313.8	310.0	308.8	310.0	315.1	320.0	324.9	328.7	330.0
50°	307.6	303.9	296.5	291.4	289.0	291.4	297.7	300.2	305.1	308.8	310.0
52.5°	291.4	286.5	281.6	276.6	276.6	277.9	282.8	287.7	292.7	294.0	296.5
55°	281.6	274.1	269.1	265.4	263.0	266.7	270.4	276.6	282.8	284.0	286.5
57.5°	271.6	264.2	259.3	255.5	253.0	256.7	260.5	269.1	276.6	276.6	276.6
60°	265.4	259.3	251.8	248.1	244.4	248.1	253.0	261.7	269.1	267.9	266.7
62.5°	248.1	241.9	238.1	238.1	234.4	240.7	245.6	255.5	256.7	254.2	251.8
63°	243.1	238.1	235.6	235.6	233.2	239.4	244.4	253.0	253.0	250.5	248.1
65°	230.7	227.0	224.5	227.0	227.0	233.2	234.4	240.7	239.4	235.6	234.4
67.5°	220.7	218.3	215.8	215.8	215.8	217.0	218.3	220.7	219.5	218.3	219.5
70°	204.7	203.4	200.9	200.9	199.7	199.7	199.7	200.9	200.9	202.1	203.4
72.5°	184.8	182.3	182.3	183.5	181.1	182.3	183.5	182.3	184.8	184.8	186.0
75°	162.5	161.2	163.7	166.2	164.9	164.9	166.2	166.2	167.4	167.4	168.7
77.5°	145.1	146.3	147.6	150.0	151.3	151.3	151.3	150.0	151.3	151.3	152.6
80°	129.0	131.4	134.0	136.5	137.7	137.7	137.7	136.5	136.5	136.5	136.5
82.5°	116.6	120.3	122.8	124.0	124.0	124.0	124.0	124.0	124.0	121.6	119.1
85°	98.0	105.4	105.4	106.7	103.0	100.5	98.0	99.3	100.5	95.5	94.2
87.5°	49.6	49.6	52.1	54.6	55.8	55.8	63.3	59.5	58.3	57.0	54.6
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1322.1	1320.9	1323.4	1320.9	1322.1	1323.4	1320.9	1324.7	1327.2	1323.4	1319.7
5°	1349.5	1349.5	1355.6	1358.1	1359.4	1366.8	1363.1	1365.6	1368.1	1366.8	1368.1
7.5°	1366.8	1371.8	1378.0	1384.2	1385.4	1391.6	1390.4	1394.1	1396.6	1402.8	1402.8
10°	1381.7	1387.9	1396.6	1402.8	1409.0	1414.0	1416.5	1423.9	1425.1	1430.1	1430.1
12.5°	1395.4	1402.8	1411.5	1421.4	1427.6	1437.5	1438.8	1450.0	1453.7	1454.9	1451.2
15°	1392.8	1401.6	1411.5	1422.6	1433.8	1446.2	1453.7	1464.8	1471.0	1473.5	1467.3
17.5°	1369.3	1376.8	1389.1	1404.0	1417.7	1433.8	1447.5	1463.5	1473.5	1476.0	1474.7
20°	1323.4	1328.4	1344.5	1364.4	1380.5	1405.3	1425.1	1450.0	1466.1	1478.4	1482.1
22.5°	1232.8	1245.3	1261.4	1283.7	1307.3	1338.3	1366.8	1402.8	1437.5	1467.3	1497.0
25°	1123.7	1146.1	1170.9	1200.7	1229.1	1261.4	1293.7	1334.6	1385.4	1447.5	1518.1
27.5°	1013.3	1051.8	1082.8	1121.2	1154.7	1187.0	1223.0	1267.6	1323.4	1397.9	1488.4
30°	901.7	945.1	978.6	1023.3	1067.9	1111.4	1147.3	1194.4	1249.0	1324.7	1423.9
32.5°	782.6	826.1	865.8	906.7	956.3	1008.4	1051.8	1110.1	1168.4	1246.5	1347.0
35°	659.8	698.3	731.8	775.2	829.8	885.6	942.6	1009.6	1072.8	1154.7	1261.4
37.5°	553.2	580.5	612.7	651.2	693.3	752.8	817.4	896.7	968.7	1058.0	1167.2
40°	465.1	480.0	498.6	530.9	569.3	627.6	690.9	775.2	862.1	960.0	1065.4
42.5°	396.9	404.4	409.3	430.4	461.4	518.4	579.3	661.1	756.6	863.3	970.0
45°	352.3	356.0	357.2	368.4	390.7	440.3	503.5	573.0	664.8	769.0	880.7
47.5°	331.2	334.9	337.4	339.8	353.5	391.9	449.0	514.7	599.1	694.6	808.7
50°	313.8	317.5	321.2	320.0	326.2	351.0	399.4	460.2	539.5	627.6	740.5
52.5°	296.5	298.9	298.9	298.9	302.6	318.8	353.5	409.3	482.5	565.6	677.2
55°	286.5	289.0	290.2	291.4	292.7	301.4	327.4	372.1	435.4	512.3	612.7
57.5°	276.6	277.9	280.3	281.6	284.0	289.0	305.1	337.4	390.7	455.2	539.5
60°	267.9	270.4	275.4	276.6	279.1	280.3	287.7	307.6	342.3	391.9	460.2
62.5°	254.2	258.0	263.0	264.2	266.7	267.9	269.1	280.3	296.5	326.2	377.0
63°	250.5	254.2	260.5	261.7	263.0	263.0	264.2	271.6	286.5	312.6	349.8
65°	236.9	241.9	245.6	246.8	248.1	248.1	246.8	249.3	250.5	261.7	284.0
67.5°	222.0	225.8	228.2	229.5	228.2	229.5	228.2	225.8	223.3	225.8	235.6
70°	207.2	209.6	209.6	210.9	212.1	213.3	210.9	208.4	205.9	204.7	210.9
72.5°	189.8	192.3	192.3	193.5	193.5	196.0	196.0	194.7	194.7	196.0	197.2
75°	172.4	174.9	173.7	176.1	176.1	179.8	179.8	181.1	183.5	182.3	181.1
77.5°	156.3	157.5	157.5	158.8	160.0	166.2	170.0	171.2	171.2	168.7	166.2
80°	138.9	138.9	136.5	135.2	136.5	142.6	150.0	151.3	155.1	153.8	155.1
82.5°	116.6	111.6	107.9	107.9	110.4	114.1	116.6	119.1	121.6	121.6	124.0
85°	89.3	84.4	80.7	81.9	85.6	86.8	85.6	85.6	90.5	94.2	90.5
87.5°	53.3	48.4	45.9	42.1	43.4	47.2	45.9	42.1	43.4	34.7	32.3
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1322.1	1320.9	1318.4	1314.7	1313.5	1311.0	1312.3	1308.6	1306.1	1303.5	1299.8
5°	1368.1	1368.1	1360.7	1360.7	1356.9	1355.6	1347.0	1343.3	1335.8	1338.3	1329.6
7.5°	1400.3	1404.0	1395.4	1394.1	1389.1	1387.9	1376.8	1373.0	1366.8	1364.4	1356.9
10°	1423.9	1423.9	1412.8	1404.0	1397.9	1391.6	1380.5	1375.5	1370.5	1371.8	1366.8
12.5°	1442.5	1433.8	1417.7	1405.3	1396.6	1390.4	1381.7	1378.0	1376.8	1385.4	1386.7
15°	1457.4	1444.9	1425.1	1416.5	1409.0	1407.7	1407.7	1411.5	1420.2	1436.3	1448.7
17.5°	1466.1	1458.6	1448.7	1446.2	1458.6	1466.1	1476.0	1487.2	1499.5	1521.9	1535.5
20°	1482.1	1487.2	1494.6	1504.5	1524.4	1543.0	1555.4	1571.5	1586.3	1613.7	1636.0
22.5°	1524.4	1552.8	1576.5	1596.3	1626.1	1652.1	1668.2	1690.5	1701.7	1720.3	1755.1
25°	1578.9	1637.2	1686.8	1729.0	1774.9	1802.2	1824.5	1853.0	1870.4	1901.4	1932.4
27.5°	1562.8	1645.9	1720.3	1798.4	1861.7	1932.4	1982.1	2029.1	2058.9	2104.9	2145.8
30°	1513.2	1612.4	1712.8	1815.8	1916.3	2018.0	2112.3	2197.9	2263.5	2329.3	2396.3
32.5°	1446.2	1560.3	1683.1	1809.6	1941.1	2082.5	2212.8	2341.7	2450.9	2546.3	2639.4
35°	1369.3	1498.3	1626.1	1782.3	1944.8	2124.7	2305.8	2484.4	2650.5	2819.3	2933.3
37.5°	1277.5	1409.0	1551.6	1731.5	1922.5	2144.5	2375.2	2608.4	2844.0	3071.0	3268.2
40°	1179.5	1313.5	1463.5	1658.3	1874.2	2132.1	2419.8	2733.7	3057.4	3386.1	3647.7
42.5°	1092.8	1230.4	1394.1	1591.4	1825.8	2116.0	2455.8	2841.6	3237.2	3644.0	4028.6
45°	1008.4	1159.7	1332.1	1544.2	1804.7	2128.4	2509.1	2942.1	3398.4	3892.1	4361.0
47.5°	932.7	1086.5	1254.0	1485.9	1773.7	2134.6	2561.2	3042.5	3551.0	4085.6	4642.5
50°	864.5	1013.3	1178.3	1411.5	1725.3	2130.9	2608.4	3133.0	3682.5	4238.2	4859.6
52.5°	797.5	948.8	1117.5	1339.5	1665.8	2109.8	2630.7	3207.5	3804.0	4391.9	5034.4
55°	731.8	880.7	1050.5	1271.4	1587.6	2055.2	2628.2	3255.8	3900.8	4537.1	5203.1
57.5°	654.9	796.3	962.5	1195.6	1504.5	1970.9	2591.0	3278.2	3983.9	4681.0	5405.3
60°	559.4	692.1	852.1	1085.3	1395.4	1863.0	2512.9	3265.8	4032.3	4787.7	5577.7
62.5°	441.6	556.9	703.3	931.4	1258.9	1707.9	2366.5	3152.9	3955.4	4772.8	5658.4
63°	416.7	525.9	668.6	894.2	1200.7	1665.8	2323.1	3108.2	3918.2	4741.7	5647.2
65°	334.9	405.6	519.7	721.9	1004.7	1458.6	2107.3	2878.8	3718.4	4523.5	5485.9
67.5°	256.7	292.7	353.5	494.9	710.7	1147.3	1706.7	2439.7	3227.3	3983.9	4966.3
70°	219.5	235.6	261.7	328.7	451.4	724.4	1198.1	1819.5	2501.7	3157.9	4041.0
72.5°	199.7	207.2	220.7	249.3	310.0	434.1	764.0	1184.5	1701.7	2251.2	2933.3
75°	183.5	189.8	200.9	215.8	238.1	289.0	435.4	724.4	1106.3	1478.4	1979.5
77.5°	167.4	171.2	183.5	197.2	212.1	238.1	287.7	416.7	636.3	871.9	1193.2
80°	153.8	151.3	160.0	182.3	197.2	212.1	227.0	270.4	362.1	477.5	644.9
82.5°	122.8	125.3	132.7	155.1	161.2	157.5	160.0	167.4	202.1	220.7	330.0
85°	83.1	76.9	75.6	78.1	78.1	74.4	74.4	73.2	80.7	91.8	157.5
87.5°	22.3	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	0°
2.5°	1297.4	1296.1	1297.4	1291.2	1291.2	1290.0	1288.7	1286.2	1286.2	1281.2	1284.9	2.5°
5°	1322.1	1319.7	1314.7	1307.3	1303.5	1298.6	1298.6	1293.7	1290.0	1284.9	1286.2	5°
7.5°	1350.7	1351.9	1343.3	1337.0	1334.6	1329.6	1330.9	1323.4	1324.7	1320.9	1318.4	7.5°
10°	1366.8	1366.8	1369.3	1368.1	1370.5	1370.5	1374.2	1369.3	1366.8	1363.1	1363.1	10°
12.5°	1392.8	1397.9	1407.7	1407.7	1415.2	1417.7	1418.9	1421.4	1416.5	1414.0	1405.3	12.5°
15°	1457.4	1469.8	1478.4	1490.9	1505.8	1510.7	1510.7	1505.8	1503.3	1499.5	1483.5	15°
17.5°	1564.0	1591.4	1598.8	1618.6	1621.1	1627.3	1644.7	1634.7	1628.6	1602.5	1597.5	17.5°
20°	1673.2	1707.9	1742.6	1767.5	1779.8	1804.7	1808.4	1803.5	1778.6	1753.8	1742.6	20°
22.5°	1804.7	1856.8	1896.5	1934.9	1953.5	1965.9	1993.2	1987.0	1967.2	1930.0	1915.1	22.5°
25°	1990.7	2055.2	2097.4	2144.5	2169.3	2181.7	2209.0	2209.0	2187.9	2176.8	2175.5	25°
27.5°	2225.1	2304.5	2374.0	2390.1	2454.6	2469.5	2495.6	2495.6	2475.6	2462.1	2527.7	27.5°
30°	2485.6	2568.7	2689.0	2769.6	2847.7	2924.7	2923.5	2928.4	2951.9	2964.4	2992.9	30°
32.5°	2746.1	2849.0	2976.8	3151.6	3319.1	3461.7	3646.5	3764.4	3728.4	3627.9	3588.2	32.5°
35°	3062.3	3176.5	3331.5	3507.6	3814.0	3998.8	4088.1	4151.4	4158.8	4172.4	4201.0	35°
37.5°	3414.6	3605.6	3785.4	3985.1	4155.1	4379.6	4586.7	4752.9	4791.4	4869.5	4824.9	37.5°
40°	3859.8	4073.2	4261.7	4519.7	4747.9	5018.4	5314.7	5543.0	5634.7	5605.0	5381.7	40°
42.5°	4326.3	4590.4	4811.2	5115.1	5411.5	5768.7	6075.1	6393.8	6450.9	6221.4	5887.8	42.5°
45°	4755.4	5082.8	5357.0	5673.2	6035.4	6463.3	6872.6	7200.0	7188.9	6795.7	6349.2	45°
47.5°	5141.1	5543.0	5877.9	6289.6	6679.1	7188.9	7658.9	7900.8	7758.2	7293.1	6746.1	47.5°
50°	5459.8	5961.0	6374.0	6790.7	7285.6	7899.6	8352.3	8488.7	8213.4	7707.3	7131.9	50°
52.5°	5716.6	6345.4	6809.3	7289.3	7914.5	8560.7	8950.1	8899.3	8543.3	8023.6	7450.6	52.5°
55°	5933.7	6639.4	7192.6	7759.4	8534.7	9130.0	9389.2	9252.8	8755.4	8228.2	7668.9	55°
57.5°	6158.2	6924.7	7544.9	8202.2	9065.5	9576.5	9720.3	9440.1	8855.9	8306.4	7763.1	57.5°
60°	6382.6	7162.8	7856.1	8589.2	9467.3	9941.2	9901.5	9482.2	8826.1	8249.4	7699.9	60°
62.5°	6534.0	7304.2	8037.3	8827.3	9768.7	10127.2	9884.1	9332.2	8653.7	8024.9	7511.4	62.5°
63°	6537.7	7309.2	8048.4	8843.5	9802.2	10133.4	9850.6	9278.8	8599.1	7978.9	7455.6	63°
65°	6459.6	7216.1	7949.2	8770.3	9773.7	9990.8	9561.6	8963.8	8287.8	7661.4	7165.3	65°
67.5°	6060.2	6831.7	7479.1	8253.1	9262.7	9324.7	8787.7	8305.2	7697.4	7048.7	6530.3	67.5°
70°	5255.2	5896.5	6531.5	7177.7	8024.9	8013.7	7508.9	7263.3	6731.2	5991.9	5576.5	70°
72.5°	4179.8	4755.4	5201.9	5634.7	6192.9	6080.0	5755.1	5823.3	5478.5	4926.5	4679.7	72.5°
75°	3103.3	3735.8	3954.2	4130.3	4365.9	4367.2	4456.5	4650.0	4645.0	4338.6	4027.3	75°
77.5°	2035.4	2727.5	2800.7	2942.1	3224.9	3609.3	4006.3	4432.9	4539.6	4297.7	3837.5	77.5°
80°	1134.9	1854.2	1770.0	1891.5	2196.6	2718.8	3304.2	3775.6	4053.3	3918.2	3430.7	80°
82.5°	580.5	1069.1	1022.1	1190.7	1437.5	1891.5	2278.4	2640.7	2968.1	2949.5	2764.7	82.5°
85°	301.4	585.4	666.1	754.1	878.1	1040.7	1187.0	1292.4	1428.8	1669.5	1751.4	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	89.3	64.5	177.4	253.0	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°



IUMBER: P181088

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
1286.2	1287.4	1284.9	1284.9	1286.2	1286.2	1283.7
1283.7	1283.7	1281.2	1278.8	1276.3	1276.3	1273.8
1312.3	1312.3	1303.5	1299.8	1293.7	1288.7	1286.2
1354.4	1347.0	1337.0	1329.6	1319.7	1308.6	1302.3
1396.6	1385.4	1373.0	1361.9	1349.5	1337.0	1330.9
1466.1	1451.2	1435.1	1421.4	1404.0	1385.4	1378.0
1572.8	1549.1	1528.1	1508.2	1477.2	1463.5	1448.7
1714.2	1679.4	1652.1	1618.6	1580.2	1567.7	1549.1
1885.3	1855.5	1800.9	1776.1	1737.7	1719.1	1722.8
2145.8	2107.3	2044.0	2020.5	2016.8	1975.8	1956.0
2485.6	2488.1	2429.8	2366.5	2331.8	2267.3	2185.4
2969.3	2935.8	2867.6	2803.1	2721.2	2599.7	2463.3
3554.7	3480.3	3367.5	3247.2	3102.1	2914.7	2723.7
4126.5	3996.3	3816.5	3615.6	3405.9	3172.8	2902.3
4628.9	4426.7	4157.5	3926.8	3630.4	3338.9	3009.0
5087.8	4837.2	4490.0	4191.0	3841.2	3466.7	3076.0
5531.8	5214.3	4788.9	4384.5	3988.9	3552.3	3108.2
5954.7	5545.4	5040.7	4559.4	4096.8	3608.1	3113.2
6279.8	5833.2	5266.4	4685.9	4171.2	3650.3	3113.2
6581.2	6076.3	5438.8	4785.1	4240.7	3678.8	3115.6
6815.6	6247.5	5550.5	4855.8	4295.2	3699.8	3126.8
6985.4	6359.1	5624.9	4899.3	4334.9	3729.6	3151.6
7104.5	6432.3	5665.8	4937.7	4383.3	3781.7	3221.1
7161.6	6567.5	5734.0	5014.6	4466.4	3892.1	3360.0
7118.2	6777.1	5928.7	5144.9	4581.7	4064.5	3582.1
7099.6	6815.6	5982.1	5173.3	4607.7	4101.7	3658.9
6954.5	6854.0	6201.6	5317.2	4731.8	4266.7	3873.5
6504.2	6702.6	6386.4	5560.3	4998.4	4667.3	4274.2
5921.2	6478.2	6352.9	5591.4	5168.4	4996.0	4527.2
5223.0	5799.8	5683.1	5178.4	4981.1	4999.8	4461.4
4110.4	4543.3	4466.4	4289.0	4328.7	4465.1	3821.4
3293.0	3234.7	3057.4	3069.8	3299.3	3459.3	2751.0
2690.2	2178.0	1947.3	1953.5	2354.2	2520.3	1752.6
2560.0	2060.2	1678.1	1466.1	1712.8	1649.6	915.4
1823.3	1827.0	1515.6	1231.6	1193.2	1014.6	570.5
431.6	346.0	246.8	183.5	193.5	127.7	64.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)