

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: P947971

Luminaire Tested: **GALN-SB3A-930-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-930-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9329 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

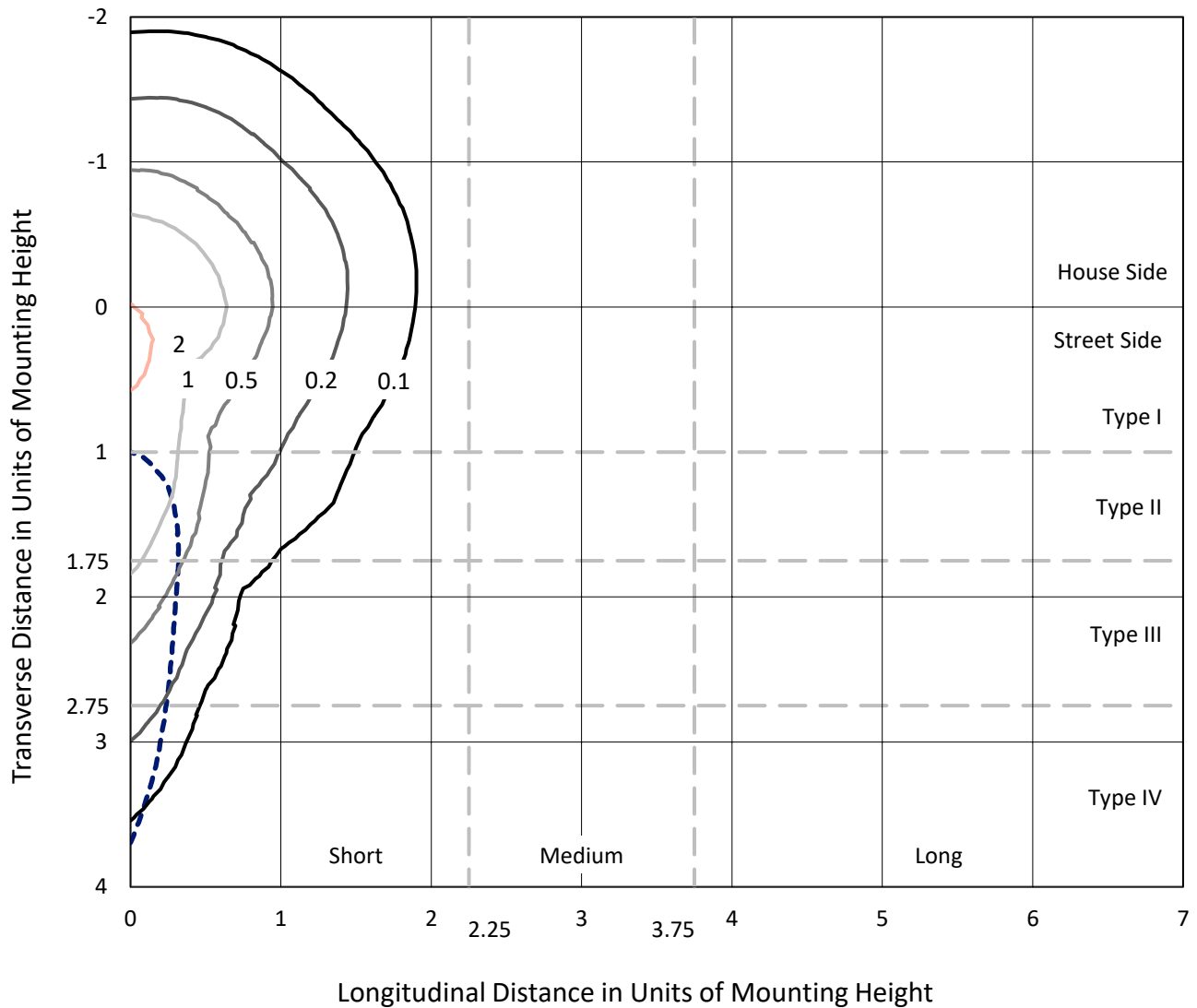
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

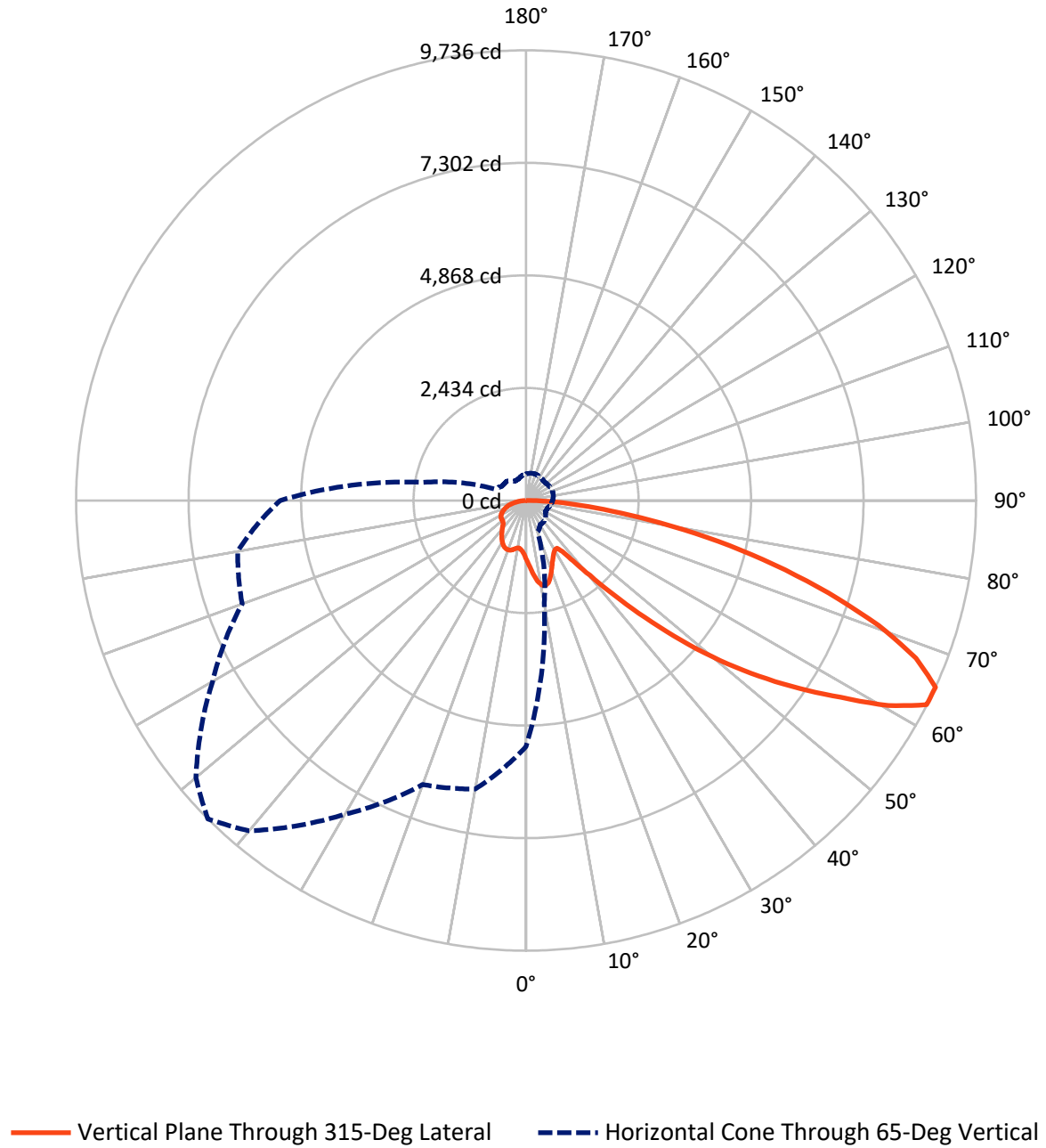
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P947971
CATALOG NUMBER: GALN-SB3A-930-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P947971
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2371.0	0.0	2371.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6958.0	0.0	6958.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	9329.0	0.0	9329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	1.4
10°-20°	399.5	4.3
20°-30°	617.1	6.6
30°-40°	782.0	8.4
40°-50°	1179.4	12.6
50°-60°	1905.5	20.4
60°-70°	2375.5	25.5
70°-80°	1557.7	16.7
80°-90°	385.1	4.1
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°	9329.0	100.0
0°-180°	9329.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947971

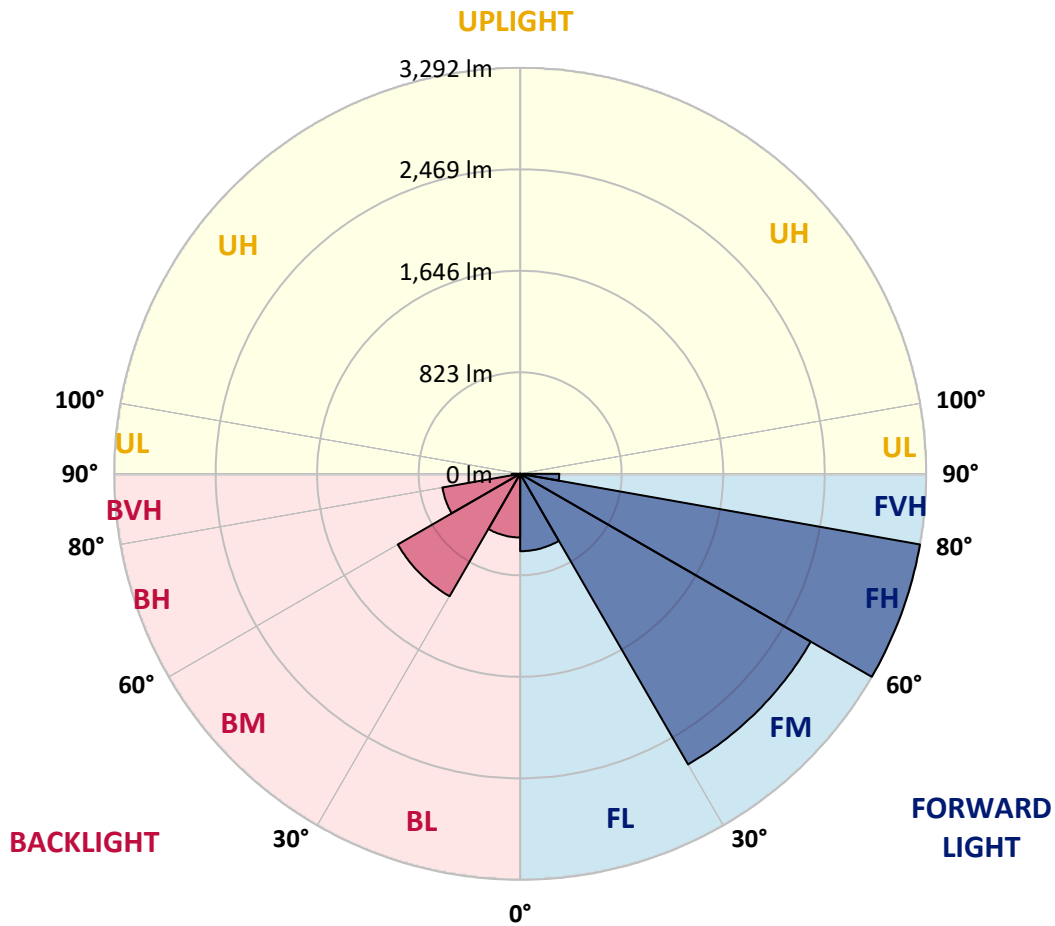
CATALOG NUMBER: GALN-SB3A-930-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.5	6.7			
FM (30°-60°)	2721.1	29.2			
FH (60°-80°)	3292.2	35.3			G2/5000
FVH (80°-90°)	317.2	3.4			G3/500
BL (0°-30°)	516.3	5.5	B2/1000		
BM (30°-60°)	1145.8	12.3	B2/2500		
BH (60°-80°)	641.0	6.9	B2/1000		G2/1000
BVH (80°-90°)	67.9	0.7			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



REPORT NUMBER: P947971

CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
2.5°	1379.5	1369.0	1358.4	1347.1	1335.9	1324.6	1313.2	1302.4	1291.6	1281.1
5°	1483.4	1460.0	1436.6	1413.3	1390.0	1366.6	1343.1	1321.2	1299.3	1278.6
7.5°	1587.8	1549.2	1510.6	1475.0	1439.4	1404.7	1369.9	1339.4	1308.8	1280.6
10°	1667.8	1619.0	1570.2	1523.1	1476.0	1433.9	1391.7	1355.6	1319.3	1284.5
12.5°	1716.7	1663.1	1609.6	1556.2	1502.9	1453.1	1403.4	1362.5	1321.6	1285.0
15°	1746.5	1690.7	1634.8	1576.9	1519.0	1461.8	1404.5	1357.1	1309.8	1269.3
17.5°	1763.3	1706.6	1649.9	1586.8	1523.6	1457.2	1390.7	1333.8	1276.8	1229.2
20°	1781.7	1722.8	1663.9	1594.5	1525.1	1444.6	1364.0	1293.5	1222.9	1167.4
22.5°	1803.1	1743.0	1682.8	1604.9	1527.1	1429.1	1331.2	1246.1	1161.1	1098.0
25°	1830.7	1771.7	1712.8	1623.9	1534.9	1413.9	1292.9	1193.3	1093.8	1029.1
27.5°	1868.1	1811.9	1755.6	1653.4	1551.1	1403.7	1256.2	1145.0	1033.8	974.9
30°	1918.6	1864.2	1809.9	1691.6	1573.3	1398.9	1224.3	1104.7	985.0	935.5
32.5°	1978.1	1924.3	1870.6	1731.6	1592.5	1393.0	1193.3	1069.9	946.4	906.5
35°	2050.5	1999.0	1947.5	1777.0	1606.6	1381.9	1157.2	1035.7	914.1	880.9
37.5°	2172.3	2106.7	2041.0	1828.0	1615.0	1362.8	1110.6	995.4	880.2	851.1
40°	2356.4	2260.7	2165.0	1892.7	1620.3	1336.6	1052.9	947.3	841.8	815.4
42.5°	2600.6	2462.5	2324.3	1977.3	1630.3	1309.5	988.8	894.3	799.8	775.5
45°	2902.1	2715.8	2529.5	2088.6	1647.8	1284.3	920.9	838.0	755.1	730.5
47.5°	3279.2	3016.9	2754.7	2207.3	1659.9	1263.6	867.3	793.5	719.7	687.9
50°	3773.4	3378.1	2982.7	2317.3	1652.0	1240.9	829.8	763.9	697.9	656.2
52.5°	4340.7	3757.4	3174.1	2388.8	1603.5	1202.7	801.9	744.4	686.9	638.9
55°	4944.7	4093.7	3242.7	2373.1	1503.3	1139.3	775.2	730.3	685.3	640.7
57.5°	5494.1	4332.0	3170.0	2262.2	1354.4	1049.9	745.3	713.5	681.8	642.4
60°	5826.1	4391.6	2957.1	2055.9	1154.7	933.8	712.9	687.9	663.0	637.0
62.5°	5657.5	4140.8	2624.1	1776.9	929.8	794.9	660.0	643.4	626.9	623.7
65°	5320.1	3785.9	2251.8	1492.3	732.9	669.9	607.0	599.1	591.3	591.7
67.5°	4867.9	3363.6	1859.3	1213.5	567.7	549.8	531.9	536.3	540.6	539.5
70°	4324.7	2902.8	1481.0	955.5	430.0	435.1	440.2	460.5	480.7	480.7
72.5°	3677.4	2403.3	1129.2	730.5	331.7	347.1	362.5	391.3	420.0	424.8
75°	2858.5	1830.6	802.8	530.2	257.5	271.5	285.5	317.7	349.9	372.1
77.5°	2042.4	1281.3	520.2	359.2	198.3	207.8	217.3	248.6	279.8	316.5
80°	1336.7	825.5	314.3	231.5	148.7	152.6	156.5	183.0	209.5	253.3
82.5°	777.0	477.8	178.6	142.4	106.2	106.9	107.7	127.2	146.7	184.1
85°	341.9	214.9	88.0	76.1	64.2	63.9	63.5	77.8	92.1	119.9
87.5°	105.8	70.4	35.0	31.6	28.2	27.8	27.5	33.3	39.1	50.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1282.8	0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
1269.4	2.5°	1260.0	1250.6	1242.1	1233.6	1226.2	1218.7	1211.2	1203.8	1198.1	1192.2
1258.2	5°	1240.4	1222.5	1207.6	1192.6	1179.4	1166.3	1154.3	1142.3	1133.1	1123.8
1254.2	7.5°	1230.4	1206.8	1187.1	1167.4	1150.8	1134.2	1119.5	1104.9	1093.9	1083.0
1256.1	10°	1231.1	1206.1	1186.4	1166.7	1148.9	1131.0	1114.5	1098.0	1084.9	1071.7
1258.6	12.5°	1238.1	1217.7	1204.6	1191.7	1177.6	1163.6	1146.5	1129.5	1112.7	1096.0
1248.1	15°	1238.3	1228.6	1230.3	1232.1	1228.5	1224.8	1210.0	1195.2	1171.4	1147.5
1216.1	17.5°	1219.7	1223.3	1244.7	1266.2	1277.6	1289.0	1277.0	1265.1	1233.5	1202.0
1163.9	20°	1180.7	1197.4	1234.7	1272.0	1295.9	1319.7	1314.2	1308.7	1272.6	1236.5
1104.7	22.5°	1129.5	1154.2	1196.8	1239.4	1270.5	1301.5	1304.9	1308.2	1273.7	1239.3
1047.3	25°	1075.8	1104.4	1142.6	1180.9	1211.5	1242.1	1253.5	1264.9	1236.6	1208.4
997.1	27.5°	1024.6	1052.2	1083.7	1115.1	1139.6	1164.1	1176.8	1189.5	1169.4	1149.3
952.9	30°	974.8	996.7	1022.8	1048.9	1069.2	1089.6	1099.9	1110.3	1095.0	1079.6
914.2	32.5°	927.2	940.1	960.9	981.8	1001.3	1020.8	1032.3	1043.8	1029.7	1015.6
877.7	35°	881.2	884.8	900.7	916.6	935.9	955.2	969.0	982.8	972.7	962.8
839.4	37.5°	835.5	831.5	842.9	854.3	873.6	892.9	909.9	926.9	922.3	917.7
797.5	40°	788.5	779.6	787.9	796.1	814.7	833.3	852.9	872.5	873.7	874.7
752.9	42.5°	741.1	729.3	736.0	742.7	760.3	778.0	799.2	820.3	826.0	831.7
708.6	45°	697.1	685.6	691.2	696.9	713.7	730.4	752.4	774.3	782.4	790.6
669.1	47.5°	659.4	649.8	655.1	660.4	676.8	693.1	714.8	736.4	745.8	755.1
634.3	50°	625.7	617.2	625.5	633.8	649.2	664.6	684.0	703.4	715.4	727.5
608.3	52.5°	599.9	591.4	603.9	616.3	630.5	644.6	662.7	680.8	695.0	709.2
594.5	55°	581.2	567.8	585.5	603.1	618.4	633.6	649.5	665.3	680.3	695.5
586.3	57.5°	566.8	547.3	566.3	585.3	603.2	621.1	636.8	652.5	667.7	682.9
578.5	60°	553.2	527.9	544.6	561.3	581.8	602.4	618.3	634.3	649.5	664.8
569.4	62.5°	537.8	506.3	516.9	527.5	551.4	575.4	592.4	609.4	623.4	637.4
550.3	65°	516.8	483.1	487.2	491.3	517.0	542.7	559.0	575.2	587.5	599.8
516.3	67.5°	488.3	460.4	459.1	457.8	481.5	505.3	520.7	536.1	546.7	557.3
473.1	70°	453.2	433.3	428.9	424.4	445.3	466.2	479.5	492.7	502.3	511.9
424.9	72.5°	411.3	397.6	391.1	384.7	401.1	417.5	429.5	441.6	451.0	460.4
370.3	75°	359.8	349.3	343.1	336.8	349.0	361.2	372.1	383.0	391.5	400.1
315.5	77.5°	307.1	298.7	292.4	286.1	296.0	305.9	315.3	324.6	333.7	342.6
253.1	80°	246.1	239.0	233.7	228.4	236.7	244.9	252.8	260.6	267.5	274.3
186.2	82.5°	182.7	179.3	175.5	171.8	171.1	170.4	167.7	164.9	179.5	194.0
122.6	85°	118.9	115.2	111.0	106.8	103.3	99.7	92.1	84.4	98.1	111.7
54.1	87.5°	52.7	51.2	50.4	49.6	49.5	49.3	43.5	37.7	43.4	49.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1282.8	0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
1187.6	2.5°	1182.9	1179.2	1175.6	1172.3	1168.9	1164.7	1168.9	1172.3	1175.6	1179.2
1117.4	5°	1110.9	1106.3	1101.8	1098.3	1094.8	1091.3	1094.8	1098.3	1101.8	1106.3
1075.3	7.5°	1067.6	1062.3	1057.1	1054.0	1050.9	1048.5	1050.9	1054.0	1057.1	1062.3
1063.2	10°	1054.5	1049.5	1044.6	1041.9	1039.2	1038.2	1039.2	1041.9	1044.6	1049.5
1084.9	12.5°	1073.9	1068.3	1062.8	1060.5	1058.3	1057.9	1058.3	1060.5	1062.8	1068.3
1130.7	15°	1113.9	1106.1	1098.5	1095.5	1092.6	1092.3	1092.6	1095.5	1098.5	1106.1
1177.2	17.5°	1152.4	1140.9	1129.5	1125.7	1121.9	1121.4	1121.9	1125.7	1129.5	1140.9
1206.1	20°	1175.8	1161.1	1146.5	1141.8	1137.1	1135.6	1137.1	1141.8	1146.5	1161.1
1207.9	22.5°	1176.6	1161.2	1145.7	1140.6	1135.4	1133.2	1135.4	1140.6	1145.7	1161.2
1180.5	25°	1152.8	1139.4	1126.0	1121.2	1116.3	1113.5	1116.3	1121.2	1126.0	1139.4
1127.7	27.5°	1106.1	1097.1	1088.1	1085.9	1083.7	1083.0	1083.7	1085.9	1088.1	1097.1
1064.2	30°	1048.6	1044.0	1039.4	1039.4	1039.4	1040.1	1039.4	1039.4	1039.4	1044.0
1003.3	32.5°	990.9	987.9	984.9	985.3	985.7	986.5	985.7	985.3	984.9	987.9
951.3	35°	940.0	935.4	930.9	929.9	928.9	928.4	928.9	929.9	930.9	935.4
907.2	37.5°	896.6	888.3	880.1	875.7	871.3	868.8	871.3	875.7	880.1	888.3
865.8	40°	856.9	844.8	832.8	824.6	816.6	811.7	816.6	824.6	832.8	844.8
824.1	42.5°	816.7	801.6	786.6	774.8	762.9	755.1	762.9	774.8	786.6	801.6
783.8	45°	777.0	759.8	742.7	728.8	714.9	705.9	714.9	728.8	742.7	759.8
750.4	47.5°	745.7	730.4	715.1	702.3	689.4	680.8	689.4	702.3	715.1	730.4
727.2	50°	727.0	714.8	702.5	690.6	678.7	670.5	678.7	690.6	702.5	714.8
711.8	52.5°	714.4	704.4	694.5	683.8	673.2	665.5	673.2	683.8	694.5	704.4
699.0	55°	702.5	693.9	685.2	675.9	666.5	659.6	666.5	675.9	685.2	693.9
686.5	57.5°	690.0	681.3	672.5	663.3	654.0	646.8	654.0	663.3	672.5	681.3
668.7	60°	672.7	664.1	655.6	646.0	636.5	629.1	636.5	646.0	655.6	664.1
641.2	62.5°	645.0	637.2	629.5	619.5	609.4	600.6	609.4	619.5	629.5	637.2
603.7	65°	607.5	600.1	592.7	582.9	573.2	565.6	573.2	582.9	592.7	600.1
561.1	67.5°	564.9	558.0	551.2	542.2	533.1	526.2	533.1	542.2	551.2	558.0
515.6	70°	519.2	513.7	508.1	499.4	490.8	482.9	490.8	499.4	508.1	513.7
464.7	72.5°	469.0	464.4	459.8	451.5	443.3	435.6	443.3	451.5	459.8	464.4
404.6	75°	409.2	406.9	404.6	397.7	390.8	383.5	390.8	397.7	404.6	406.9
346.8	77.5°	351.1	347.9	344.7	337.7	330.7	324.9	330.7	337.7	344.7	347.9
279.9	80°	285.5	284.1	282.8	273.4	263.9	253.0	263.9	273.4	282.8	284.1
203.6	82.5°	213.1	212.6	211.9	204.0	196.0	189.0	196.0	204.0	211.9	212.6
123.6	85°	135.4	134.4	133.4	127.2	121.0	114.7	121.0	127.2	133.4	134.4
53.9	87.5°	58.7	57.5	56.2	53.1	49.8	46.8	49.8	53.1	56.2	57.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1282.8	0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
1182.9	2.5°	1187.6	1192.2	1198.1	1203.8	1211.2	1218.7	1226.2	1233.6	1242.1	1250.6
1110.9	5°	1117.4	1123.8	1133.1	1142.3	1154.3	1166.3	1179.4	1192.6	1207.6	1222.5
1067.6	7.5°	1075.3	1083.0	1093.9	1104.9	1119.5	1134.2	1150.8	1167.4	1187.1	1206.8
1054.5	10°	1063.2	1071.7	1084.9	1098.0	1114.5	1131.0	1148.9	1166.7	1186.4	1206.1
1073.9	12.5°	1084.9	1096.0	1112.7	1129.5	1146.5	1163.6	1177.6	1191.7	1204.6	1217.7
1113.9	15°	1130.7	1147.5	1171.4	1195.2	1210.0	1224.8	1228.5	1232.1	1230.3	1228.6
1152.4	17.5°	1177.2	1202.0	1233.5	1265.1	1277.0	1289.0	1277.6	1266.2	1244.7	1223.3
1175.8	20°	1206.1	1236.5	1272.6	1308.7	1314.2	1319.7	1295.9	1272.0	1234.7	1197.4
1176.6	22.5°	1207.9	1239.3	1273.7	1308.2	1304.9	1301.5	1270.5	1239.4	1196.8	1154.2
1152.8	25°	1180.5	1208.4	1236.6	1264.9	1253.5	1242.1	1211.5	1180.9	1142.6	1104.4
1106.1	27.5°	1127.7	1149.3	1169.4	1189.5	1176.8	1164.1	1139.6	1115.1	1083.7	1052.2
1048.6	30°	1064.2	1079.6	1095.0	1110.3	1099.9	1089.6	1069.2	1048.9	1022.8	996.7
990.9	32.5°	1003.3	1015.6	1029.7	1043.8	1032.3	1020.8	1001.3	981.8	960.9	940.1
940.0	35°	951.3	962.8	972.7	982.8	969.0	955.2	935.9	916.6	900.7	884.8
896.6	37.5°	907.2	917.7	922.3	926.9	909.9	892.9	873.6	854.3	842.9	831.5
856.9	40°	865.8	874.7	873.7	872.5	852.9	833.3	814.7	796.1	787.9	779.6
816.7	42.5°	824.1	831.7	826.0	820.3	799.2	778.0	760.3	742.7	736.0	729.3
777.0	45°	783.8	790.6	782.4	774.3	752.4	730.4	713.7	696.9	691.2	685.6
745.7	47.5°	750.4	755.1	745.8	736.4	714.8	693.1	676.8	660.4	655.1	649.8
727.0	50°	727.2	727.5	715.4	703.4	684.0	664.6	649.2	633.8	625.5	617.2
714.4	52.5°	711.8	709.2	695.0	680.8	662.7	644.6	630.5	616.3	603.9	591.4
702.5	55°	699.0	695.5	680.3	665.3	649.5	633.6	618.4	603.1	585.5	567.8
690.0	57.5°	686.5	682.9	667.7	652.5	636.8	621.1	603.2	585.3	566.3	547.3
672.7	60°	668.7	664.8	649.5	634.3	618.3	602.4	581.8	561.3	544.6	527.9
645.0	62.5°	641.2	637.4	623.4	609.4	592.4	575.4	551.4	527.5	516.9	506.3
607.5	65°	603.7	599.8	587.5	575.2	559.0	542.7	517.0	491.3	487.2	483.1
564.9	67.5°	561.1	557.3	546.7	536.1	520.7	505.3	481.5	457.8	459.1	460.4
519.2	70°	515.6	511.9	502.3	492.7	479.5	466.2	445.3	424.4	428.9	433.3
469.0	72.5°	464.7	460.4	451.0	441.6	429.5	417.5	401.1	384.7	391.1	397.6
409.2	75°	404.6	400.1	391.5	383.0	372.1	361.2	349.0	336.8	343.1	349.3
351.1	77.5°	346.8	342.6	333.7	324.6	315.3	305.9	296.0	286.1	292.4	298.7
285.5	80°	279.9	274.3	267.5	260.6	252.8	244.9	236.7	228.4	233.7	239.0
213.1	82.5°	203.6	194.0	179.5	164.9	167.7	170.4	171.1	171.8	175.5	179.3
135.4	85°	123.6	111.7	98.1	84.4	92.1	99.7	103.3	106.8	111.0	115.2
58.7	87.5°	53.9	49.1	43.4	37.7	43.5	49.3	49.5	49.6	50.4	51.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1282.8	0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
1260.0	2.5°	1269.4	1281.1	1291.6	1302.4	1313.2	1324.6	1335.9	1347.1	1358.4	1369.0
1240.4	5°	1258.2	1278.6	1299.3	1321.2	1343.1	1366.6	1390.0	1413.3	1436.6	1460.0
1230.4	7.5°	1254.2	1280.6	1308.8	1339.4	1369.9	1404.7	1439.4	1475.0	1510.6	1549.2
1231.1	10°	1256.1	1284.5	1319.3	1355.6	1391.7	1433.9	1476.0	1523.1	1570.2	1619.0
1238.1	12.5°	1258.6	1285.0	1321.6	1362.5	1403.4	1453.1	1502.9	1556.2	1609.6	1663.1
1238.3	15°	1248.1	1269.3	1309.8	1357.1	1404.5	1461.8	1519.0	1576.9	1634.8	1690.7
1219.7	17.5°	1216.1	1229.2	1276.8	1333.8	1390.7	1457.2	1523.6	1586.8	1649.9	1706.6
1180.7	20°	1163.9	1167.4	1222.9	1293.5	1364.0	1444.6	1525.1	1594.5	1663.9	1722.8
1129.5	22.5°	1104.7	1098.0	1161.1	1246.1	1331.2	1429.1	1527.1	1604.9	1682.8	1743.0
1075.8	25°	1047.3	1029.1	1093.8	1193.3	1292.9	1413.9	1534.9	1623.9	1712.8	1771.7
1024.6	27.5°	997.1	974.9	1033.8	1145.0	1256.2	1403.7	1551.1	1653.4	1755.6	1811.9
974.8	30°	952.9	935.5	985.0	1104.7	1224.3	1398.9	1573.3	1691.6	1809.9	1864.2
927.2	32.5°	914.2	906.5	946.4	1069.9	1193.3	1393.0	1592.5	1731.6	1870.6	1924.3
881.2	35°	877.7	880.9	914.1	1035.7	1157.2	1381.9	1606.6	1777.0	1947.5	1999.0
835.5	37.5°	839.4	851.1	880.2	995.4	1110.6	1362.8	1615.0	1828.0	2041.0	2106.7
788.5	40°	797.5	815.4	841.8	947.3	1052.9	1336.6	1620.3	1892.7	2165.0	2260.7
741.1	42.5°	752.9	775.5	799.8	894.3	988.8	1309.5	1630.3	1977.3	2324.3	2462.5
697.1	45°	708.6	730.5	755.1	838.0	920.9	1284.3	1647.8	2088.6	2529.5	2715.8
659.4	47.5°	669.1	687.9	719.7	793.5	867.3	1263.6	1659.9	2207.3	2754.7	3016.9
625.7	50°	634.3	656.2	697.9	763.9	829.8	1240.9	1652.0	2317.3	2982.7	3378.1
599.9	52.5°	608.3	638.9	686.9	744.4	801.9	1202.7	1603.5	2388.8	3174.1	3757.4
581.2	55°	594.5	640.7	685.3	730.3	775.2	1139.3	1503.3	2373.1	3242.7	4093.7
566.8	57.5°	586.3	642.4	681.8	713.5	745.3	1049.9	1354.4	2262.2	3170.0	4332.0
553.2	60°	578.5	637.0	663.0	687.9	712.9	933.8	1154.7	2055.9	2957.1	4391.6
537.8	62.5°	569.4	623.7	626.9	643.4	660.0	794.9	929.8	1776.9	2624.1	4140.8
516.8	65°	550.3	591.7	591.3	599.1	607.0	669.9	732.9	1492.3	2251.8	3785.9
488.3	67.5°	516.3	539.5	540.6	536.3	531.9	549.8	567.7	1213.5	1859.3	3363.6
453.2	70°	473.1	480.7	480.7	460.5	440.2	435.1	430.0	955.5	1481.0	2902.8
411.3	72.5°	424.9	424.8	420.0	391.3	362.5	347.1	331.7	730.5	1129.2	2403.3
359.8	75°	370.3	372.1	349.9	317.7	285.5	271.5	257.5	530.2	802.8	1830.6
307.1	77.5°	315.5	316.5	279.8	248.6	217.3	207.8	198.3	359.2	520.2	1281.3
246.1	80°	253.1	253.3	209.5	183.0	156.5	152.6	148.7	231.5	314.3	825.5
182.7	82.5°	186.2	184.1	146.7	127.2	107.7	106.9	106.2	142.4	178.6	477.8
118.9	85°	122.6	119.9	92.1	77.8	63.5	63.9	64.2	76.1	88.0	214.9
52.7	87.5°	54.1	50.7	39.1	33.3	27.5	27.8	28.2	31.6	35.0	70.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1282.8	0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
1379.5	2.5°	1384.8	1390.0	1397.5	1404.9	1409.3	1413.8	1416.0	1418.2	1417.2	1418.2
1483.4	5°	1501.7	1520.0	1538.1	1556.3	1566.1	1576.0	1581.9	1587.9	1592.4	1587.9
1587.8	7.5°	1617.5	1647.2	1673.9	1700.6	1716.7	1732.8	1741.6	1750.2	1754.4	1750.2
1667.8	10°	1702.9	1738.1	1769.4	1800.8	1819.8	1838.7	1847.1	1855.6	1858.8	1855.6
1716.7	12.5°	1754.8	1792.9	1821.2	1849.5	1863.3	1877.1	1881.7	1886.3	1886.8	1886.3
1746.5	15°	1779.4	1812.2	1830.0	1847.8	1848.3	1848.8	1843.9	1839.0	1833.2	1839.0
1763.3	17.5°	1785.5	1807.7	1808.0	1808.3	1788.4	1768.4	1750.2	1731.9	1719.0	1731.9
1781.7	20°	1789.4	1797.2	1773.8	1750.5	1706.5	1662.4	1630.4	1598.4	1578.7	1598.4
1803.1	22.5°	1793.0	1782.9	1734.4	1686.0	1621.2	1556.5	1516.4	1476.4	1454.6	1476.4
1830.7	25°	1798.7	1766.7	1693.2	1619.6	1541.0	1462.4	1420.3	1378.2	1357.6	1378.2
1868.1	27.5°	1810.9	1753.7	1656.2	1558.9	1471.7	1384.6	1343.2	1301.8	1282.3	1301.8
1918.6	30°	1833.3	1748.0	1628.1	1508.2	1417.4	1326.6	1288.2	1249.7	1231.6	1249.7
1978.1	32.5°	1861.3	1744.6	1608.9	1473.2	1387.9	1302.6	1272.4	1242.2	1229.2	1242.2
2050.5	35°	1907.5	1764.6	1623.3	1481.9	1422.7	1363.4	1356.4	1349.4	1348.3	1349.4
2172.3	37.5°	2004.2	1836.0	1707.5	1579.1	1575.2	1571.4	1603.6	1635.8	1652.5	1635.8
2356.4	40°	2173.6	1990.7	1895.1	1799.6	1867.0	1934.5	2012.7	2091.0	2130.0	2091.0
2600.6	42.5°	2419.1	2237.7	2182.7	2127.6	2274.7	2421.8	2564.2	2706.5	2790.1	2706.5
2902.1	45°	2739.1	2576.1	2551.8	2527.5	2763.1	2998.8	3232.7	3466.7	3608.7	3466.7
3279.2	47.5°	3120.6	2962.0	2957.1	2952.2	3292.1	3632.0	3974.4	4316.8	4517.9	4316.8
3773.4	50°	3577.5	3381.7	3382.5	3383.4	3821.5	4259.6	4711.6	5163.7	5437.0	5163.7
4340.7	52.5°	4103.5	3866.4	3842.4	3818.4	4341.7	4865.1	5424.4	5983.6	6311.2	5983.6
4944.7	55°	4710.4	4476.1	4382.6	4289.1	4871.6	5453.9	6120.7	6787.5	7177.1	6787.5
5494.1	57.5°	5366.5	5238.8	5051.3	4863.9	5452.0	6040.1	6795.3	7550.5	8033.6	7550.5
5826.1	60°	6024.3	6222.5	5989.7	5756.8	6313.4	6869.9	7678.5	8487.1	9009.3	8487.1
5657.5	62.5°	6199.0	6740.6	6714.3	6688.0	7197.9	7707.7	8477.0	9246.3	9728.9	9246.3
5320.1	65°	5828.3	6336.6	6437.1	6537.6	7185.6	7833.5	8579.5	9325.4	9736.3	9325.4
4867.9	67.5°	5351.3	5834.7	5881.9	5929.0	6604.1	7279.1	8028.2	8777.4	9099.3	8777.4
4324.7	70°	4850.5	5376.3	5397.4	5418.5	6022.2	6625.9	7270.6	7915.2	8094.2	7915.2
3677.4	72.5°	4280.8	4884.2	4899.3	4914.4	5386.8	5859.1	6341.9	6824.7	6842.8	6824.7
2858.5	75°	3483.0	4107.5	4163.5	4219.6	4587.1	4954.6	5294.5	5634.4	5543.3	5634.4
2042.4	77.5°	2625.3	3208.3	3288.5	3368.8	3648.1	3927.5	4168.5	4409.6	4253.1	4409.6
1336.7	80°	1827.2	2317.5	2417.3	2517.0	2728.0	2938.9	3065.5	3192.0	2940.2	3192.0
777.0	82.5°	1112.3	1447.6	1559.0	1670.5	1815.7	1960.9	2013.7	2066.5	1868.6	2066.5
341.9	85°	519.8	697.8	792.5	887.3	1006.6	1125.9	1155.9	1185.8	1027.3	1185.8
105.8	87.5°	165.6	225.5	278.3	331.2	390.9	450.5	453.1	455.6	382.5	455.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947971
 CATALOG NUMBER: GALN-SB3A-930-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1282.8	0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
1416.0	2.5°	1413.8	1409.3	1404.9	1397.5	1390.0	1384.8	1379.5
1581.9	5°	1576.0	1566.1	1556.3	1538.1	1520.0	1501.7	1483.4
1741.6	7.5°	1732.8	1716.7	1700.6	1673.9	1647.2	1617.5	1587.8
1847.1	10°	1838.7	1819.8	1800.8	1769.4	1738.1	1702.9	1667.8
1881.7	12.5°	1877.1	1863.3	1849.5	1821.2	1792.9	1754.8	1716.7
1843.9	15°	1848.8	1848.3	1847.8	1830.0	1812.2	1779.4	1746.5
1750.2	17.5°	1768.4	1788.4	1808.3	1808.0	1807.7	1785.5	1763.3
1630.4	20°	1662.4	1706.5	1750.5	1773.8	1797.2	1789.4	1781.7
1516.4	22.5°	1556.5	1621.2	1686.0	1734.4	1782.9	1793.0	1803.1
1420.3	25°	1462.4	1541.0	1619.6	1693.2	1766.7	1798.7	1830.7
1343.2	27.5°	1384.6	1471.7	1558.9	1656.2	1753.7	1810.9	1868.1
1288.2	30°	1326.6	1417.4	1508.2	1628.1	1748.0	1833.3	1918.6
1272.4	32.5°	1302.6	1387.9	1473.2	1608.9	1744.6	1861.3	1978.1
1356.4	35°	1363.4	1422.7	1481.9	1623.3	1764.6	1907.5	2050.5
1603.6	37.5°	1571.4	1575.2	1579.1	1707.5	1836.0	2004.2	2172.3
2012.7	40°	1934.5	1867.0	1799.6	1895.1	1990.7	2173.6	2356.4
2564.2	42.5°	2421.8	2274.7	2127.6	2182.7	2237.7	2419.1	2600.6
3232.7	45°	2998.8	2763.1	2527.5	2551.8	2576.1	2739.1	2902.1
3974.4	47.5°	3632.0	3292.1	2952.2	2957.1	2962.0	3120.6	3279.2
4711.6	50°	4259.6	3821.5	3383.4	3382.5	3381.7	3577.5	3773.4
5424.4	52.5°	4865.1	4341.7	3818.4	3842.4	3866.4	4103.5	4340.7
6120.7	55°	5453.9	4871.6	4289.1	4382.6	4476.1	4710.4	4944.7
6795.3	57.5°	6040.1	5452.0	4863.9	5051.3	5238.8	5366.5	5494.1
7678.5	60°	6869.9	6313.4	5756.8	5989.7	6222.5	6024.3	5826.1
8477.0	62.5°	7707.7	7197.9	6688.0	6714.3	6740.6	6199.0	5657.5
8579.5	65°	7833.5	7185.6	6537.6	6437.1	6336.6	5828.3	5320.1
8028.2	67.5°	7279.1	6604.1	5929.0	5881.9	5834.7	5351.3	4867.9
7270.6	70°	6625.9	6022.2	5418.5	5397.4	5376.3	4850.5	4324.7
6341.9	72.5°	5859.1	5386.8	4914.4	4899.3	4884.2	4280.8	3677.4
5294.5	75°	4954.6	4587.1	4219.6	4163.5	4107.5	3483.0	2858.5
4168.5	77.5°	3927.5	3648.1	3368.8	3288.5	3208.3	2625.3	2042.4
3065.5	80°	2938.9	2728.0	2517.0	2417.3	2317.5	1827.2	1336.7
2013.7	82.5°	1960.9	1815.7	1670.5	1559.0	1447.6	1112.3	777.0
1155.9	85°	1125.9	1006.6	887.3	792.5	697.8	519.8	341.9
453.1	87.5°	450.5	390.9	331.2	278.3	225.5	165.6	105.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)