

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: P946795

Luminaire Tested: **GALN-SB2B-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946795
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-SB2B-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10082 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

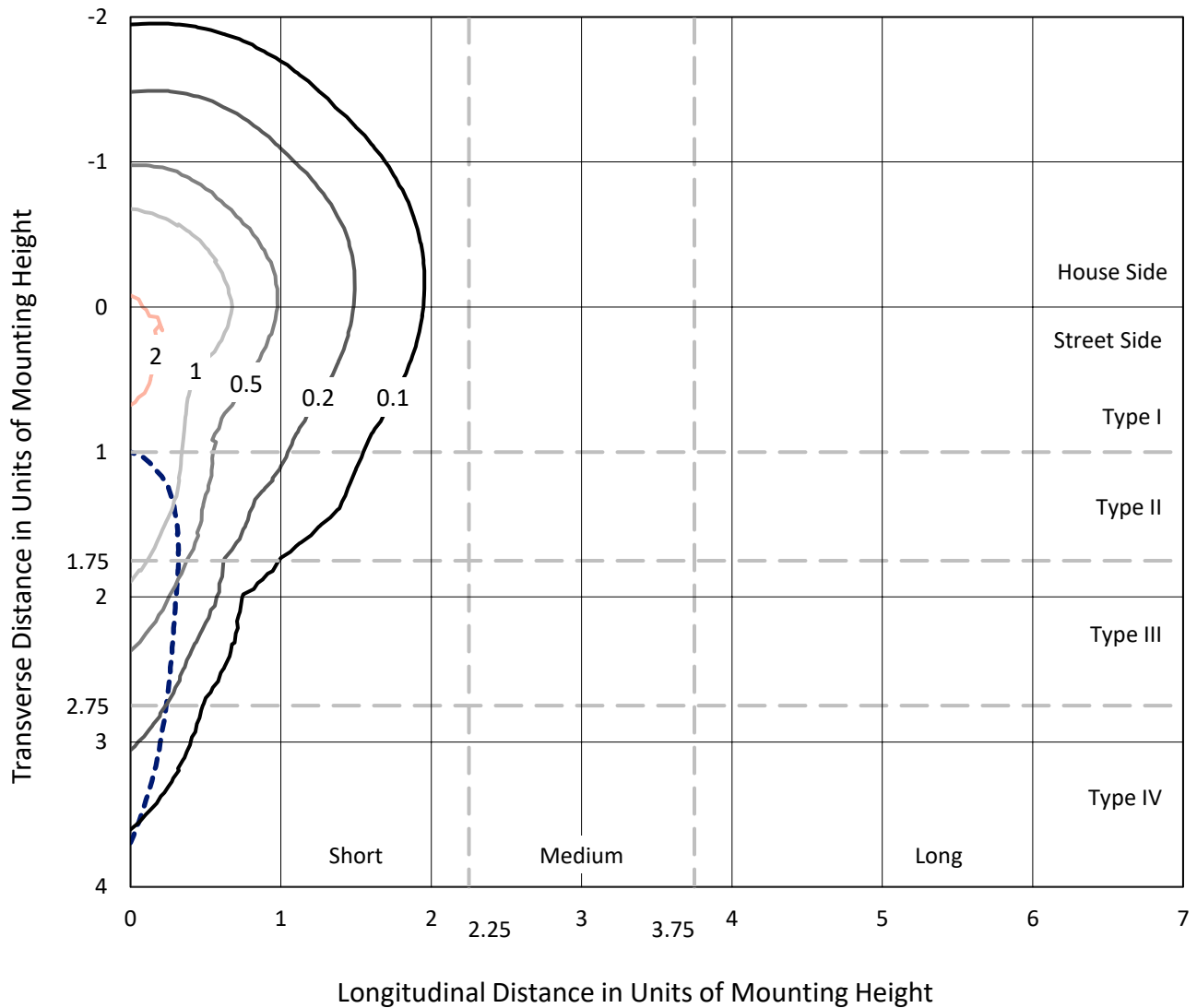
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

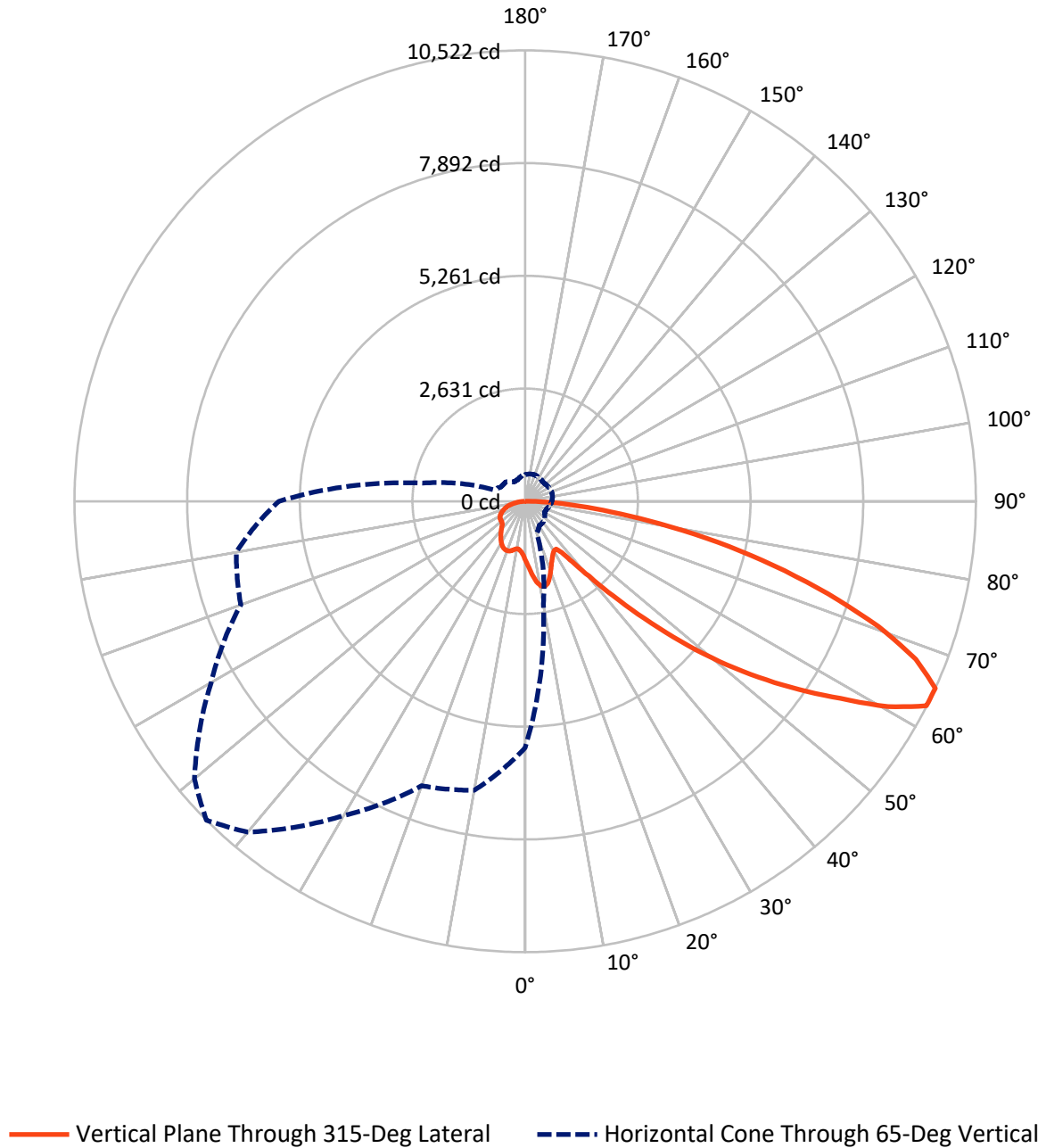
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P946795
CATALOG NUMBER: GALN-SB2B-830-U-SLR

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2562.3	0.0	2562.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7519.7	0.0	7519.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	10082.0	0.0	10082.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	1.4
10°-20°	431.7	4.3
20°-30°	666.9	6.6
30°-40°	845.1	8.4
40°-50°	1274.6	12.6
50°-60°	2059.3	20.4
60°-70°	2567.2	25.5
70°-80°	1683.5	16.7
80°-90°	416.2	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°	10082.0	100.0
0°-180°	10082.0	100.0



REPORT NUMBER: P946795

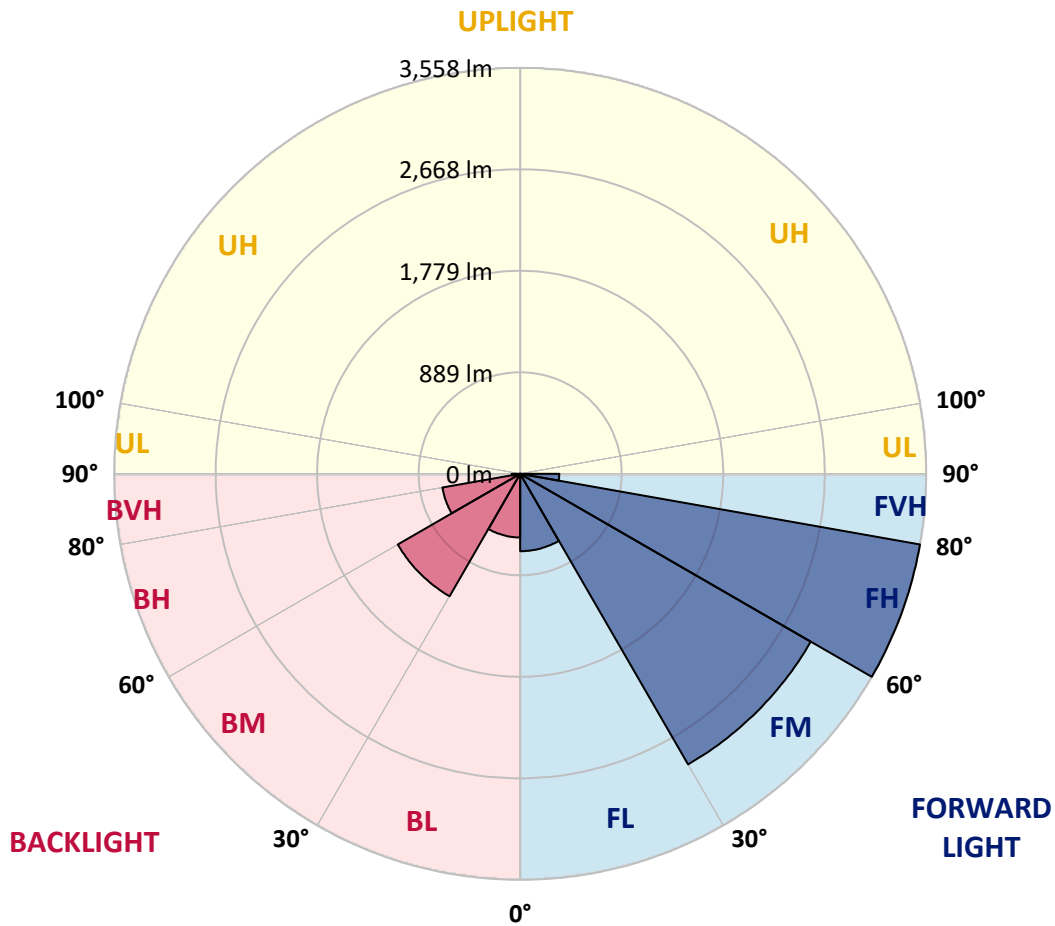
CATALOG NUMBER: GALN-SB2B-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.1	6.7			
FM (30°-60°)	2940.7	29.2			
FH (60°-80°)	3558.0	35.3			G2/5000
FVH (80°-90°)	342.9	3.4			G3/500
BL (0°-30°)	558.0	5.5	B2/1000		
BM (30°-60°)	1238.3	12.3	B2/2500		
BH (60°-80°)	692.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	73.3	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: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
2.5°	1490.9	1479.5	1468.0	1455.8	1443.7	1431.5	1419.2	1407.5	1395.8	1384.5
5°	1603.1	1577.9	1552.6	1527.4	1502.2	1476.9	1451.5	1427.9	1404.2	1381.8
7.5°	1715.9	1674.2	1632.6	1594.1	1555.5	1518.0	1480.5	1447.5	1414.5	1384.0
10°	1802.4	1749.7	1696.9	1646.0	1595.2	1549.6	1504.0	1465.0	1425.8	1388.2
12.5°	1855.3	1797.4	1739.5	1681.8	1624.2	1570.4	1516.7	1472.5	1428.3	1388.8
15°	1887.5	1827.1	1766.7	1704.2	1641.6	1579.7	1517.9	1466.7	1415.5	1371.7
17.5°	1905.6	1844.4	1783.1	1714.9	1646.6	1574.8	1503.0	1441.4	1379.9	1328.4
20°	1925.5	1861.9	1798.2	1723.2	1648.2	1561.2	1474.1	1397.9	1321.6	1261.6
22.5°	1948.7	1883.7	1818.6	1734.5	1650.3	1544.5	1438.6	1346.7	1254.9	1186.6
25°	1978.5	1914.7	1851.1	1754.9	1658.7	1528.0	1397.3	1289.6	1182.1	1112.1
27.5°	2018.9	1958.1	1897.3	1786.8	1676.3	1517.0	1357.6	1237.5	1117.3	1053.6
30°	2073.4	2014.7	1956.0	1828.2	1700.3	1511.8	1323.2	1193.8	1064.5	1011.0
32.5°	2137.8	2079.6	2021.6	1871.3	1721.1	1505.4	1289.6	1156.2	1022.7	979.7
35°	2216.0	2160.4	2104.7	1920.5	1736.3	1493.4	1250.6	1119.3	987.9	952.0
37.5°	2347.7	2276.7	2205.7	1975.5	1745.3	1472.8	1200.3	1075.7	951.2	919.8
40°	2546.6	2443.2	2339.8	2045.4	1751.0	1444.5	1137.9	1023.8	909.7	881.2
42.5°	2810.5	2661.2	2511.9	2136.9	1761.8	1415.2	1068.7	966.5	864.4	838.1
45°	3136.3	2935.0	2733.6	2257.2	1780.8	1388.0	995.2	905.7	816.1	789.5
47.5°	3543.8	3260.5	2977.0	2385.4	1793.9	1365.6	937.3	857.5	777.8	743.5
50°	4078.0	3650.7	3223.4	2504.4	1785.4	1341.1	896.8	825.5	754.3	709.1
52.5°	4691.1	4060.7	3430.3	2581.6	1733.0	1299.8	866.6	804.5	742.4	690.5
55°	5343.8	4424.1	3504.5	2564.6	1624.7	1231.2	837.8	789.2	740.6	692.4
57.5°	5937.5	4681.7	3425.9	2444.8	1463.8	1134.6	805.4	771.1	736.8	694.2
60°	6296.3	4746.1	3195.8	2221.8	1247.9	1009.2	770.4	743.5	716.5	688.4
62.5°	6114.1	4475.0	2835.9	1920.4	1004.8	859.1	713.3	695.4	677.5	674.0
65°	5749.5	4091.5	2433.6	1612.8	792.0	724.0	655.9	647.5	639.0	639.5
67.5°	5260.8	3635.1	2009.4	1311.5	613.5	594.2	574.8	579.5	584.2	583.1
70°	4673.8	3137.1	1600.5	1032.6	464.7	470.2	475.7	497.6	519.5	519.5
72.5°	3974.2	2597.3	1220.4	789.4	358.5	375.1	391.8	422.9	453.9	459.1
75°	3089.3	1978.4	867.6	573.0	278.3	293.4	308.6	343.3	378.1	402.2
77.5°	2207.2	1384.7	562.2	388.2	214.3	224.6	234.9	268.7	302.4	342.1
80°	1444.6	892.1	339.7	250.1	160.7	164.9	169.2	197.8	226.4	273.7
82.5°	839.7	516.3	193.0	153.9	114.8	115.5	116.4	137.5	158.5	199.0
85°	369.5	232.3	95.1	82.2	69.4	69.1	68.6	84.1	99.5	129.5
87.5°	114.4	76.1	37.8	34.1	30.4	30.1	29.7	36.0	42.3	54.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1386.4	0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
1371.9	2.5°	1361.7	1351.5	1342.3	1333.2	1325.1	1317.1	1309.0	1301.0	1294.8	1288.5
1359.8	5°	1340.5	1321.2	1305.0	1288.9	1274.6	1260.4	1247.5	1234.5	1224.5	1214.5
1355.4	7.5°	1329.8	1304.2	1282.9	1261.6	1243.7	1225.7	1209.8	1194.0	1182.2	1170.4
1357.5	10°	1330.5	1303.5	1282.2	1260.9	1241.6	1222.2	1204.4	1186.6	1172.4	1158.2
1360.2	12.5°	1338.1	1316.0	1301.9	1287.8	1272.6	1257.5	1239.1	1220.6	1202.6	1184.5
1348.9	15°	1338.3	1327.7	1329.7	1331.6	1327.6	1323.7	1307.7	1291.7	1265.9	1240.2
1314.3	17.5°	1318.2	1322.0	1345.2	1368.4	1380.7	1393.0	1380.1	1367.2	1333.1	1299.0
1257.9	20°	1276.0	1294.1	1334.3	1374.7	1400.5	1426.3	1420.3	1414.3	1375.3	1336.4
1193.9	22.5°	1220.6	1247.4	1293.4	1339.4	1373.0	1406.6	1410.2	1413.8	1376.5	1339.3
1131.8	25°	1162.7	1193.5	1234.9	1276.2	1309.3	1342.3	1354.7	1366.9	1336.4	1305.9
1077.5	27.5°	1107.3	1137.1	1171.1	1205.1	1231.6	1258.0	1271.8	1285.6	1263.8	1242.1
1029.8	30°	1053.4	1077.2	1105.4	1133.6	1155.5	1177.6	1188.7	1199.9	1183.4	1166.8
988.0	32.5°	1002.0	1016.0	1038.5	1061.1	1082.1	1103.2	1115.6	1128.1	1112.9	1097.6
948.5	35°	952.4	956.2	973.4	990.6	1011.4	1032.3	1047.2	1062.1	1051.3	1040.5
907.1	37.5°	902.9	898.6	911.0	923.3	944.1	964.9	983.3	1001.7	996.7	991.7
861.8	40°	852.2	842.6	851.4	860.3	880.4	900.6	921.7	942.9	944.2	945.3
813.7	42.5°	800.9	788.1	795.4	802.7	821.7	840.8	863.7	886.6	892.7	898.8
765.8	45°	753.3	741.0	747.0	753.2	771.3	789.4	813.1	836.8	845.6	854.4
723.1	47.5°	712.7	702.2	708.0	713.7	731.4	749.0	772.4	795.9	806.0	816.1
685.5	50°	676.2	667.0	675.9	684.9	701.6	718.3	739.3	760.2	773.2	786.2
657.4	52.5°	648.3	639.2	652.6	666.0	681.4	696.6	716.2	735.7	751.1	766.5
642.5	55°	628.1	613.6	632.7	651.8	668.3	684.8	701.9	719.0	735.3	751.6
633.6	57.5°	612.5	591.5	612.0	632.5	651.9	671.3	688.2	705.2	721.6	738.0
625.2	60°	597.9	570.6	588.6	606.6	628.8	651.0	668.2	685.5	702.0	718.5
615.4	62.5°	581.3	547.2	558.6	570.0	595.9	621.9	640.2	658.6	673.7	688.8
594.8	65°	558.5	522.1	526.6	530.9	558.7	586.5	604.1	621.6	634.9	648.2
557.9	67.5°	527.7	497.5	496.1	494.7	520.4	546.1	562.7	579.3	590.8	602.3
511.2	70°	489.7	468.3	463.5	458.7	481.2	503.8	518.2	532.5	542.9	553.3
459.2	72.5°	444.5	429.7	422.7	415.7	433.5	451.2	464.2	477.2	487.4	497.5
400.2	75°	388.8	377.4	370.7	364.0	377.2	390.4	402.1	413.9	423.1	432.4
341.0	77.5°	331.9	322.8	316.0	309.2	319.9	330.6	340.7	350.8	360.6	370.3
273.5	80°	265.9	258.3	252.6	246.8	255.8	264.7	273.2	281.7	289.1	296.4
201.2	82.5°	197.5	193.8	189.7	185.7	184.9	184.2	181.2	178.2	194.0	209.7
132.5	85°	128.5	124.5	120.0	115.4	111.6	107.7	99.5	91.2	106.0	120.8
58.5	87.5°	56.9	55.3	54.5	53.6	53.5	53.3	47.0	40.7	46.9	53.1
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: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1386.4	0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
1283.4	2.5°	1278.4	1274.4	1270.5	1266.9	1263.2	1258.7	1263.2	1266.9	1270.5	1274.4
1207.6	5°	1200.6	1195.6	1190.7	1186.9	1183.1	1179.4	1183.1	1186.9	1190.7	1195.6
1162.1	7.5°	1153.8	1148.1	1142.4	1139.0	1135.7	1133.1	1135.7	1139.0	1142.4	1148.1
1149.0	10°	1139.6	1134.3	1128.9	1126.0	1123.1	1122.0	1123.1	1126.0	1128.9	1134.3
1172.5	12.5°	1160.5	1154.5	1148.6	1146.1	1143.7	1143.2	1143.7	1146.1	1148.6	1154.5
1222.0	15°	1203.8	1195.4	1187.1	1183.9	1180.7	1180.5	1180.7	1183.9	1187.1	1195.4
1272.2	17.5°	1245.4	1233.0	1220.6	1216.6	1212.5	1211.9	1212.5	1216.6	1220.6	1233.0
1303.5	20°	1270.7	1254.9	1239.0	1233.9	1228.9	1227.3	1228.9	1233.9	1239.0	1254.9
1305.4	22.5°	1271.6	1254.9	1238.2	1232.6	1227.0	1224.6	1227.0	1232.6	1238.2	1254.9
1275.8	25°	1245.8	1231.3	1216.9	1211.7	1206.4	1203.4	1206.4	1211.7	1216.9	1231.3
1218.7	27.5°	1195.4	1185.7	1176.0	1173.6	1171.2	1170.4	1171.2	1173.6	1176.0	1185.7
1150.1	30°	1133.2	1128.3	1123.3	1123.3	1123.3	1124.1	1123.3	1123.3	1123.3	1128.3
1084.2	32.5°	1070.9	1067.6	1064.4	1064.8	1065.3	1066.1	1065.3	1064.8	1064.4	1067.6
1028.1	35°	1015.8	1010.9	1006.0	1004.9	1003.9	1003.3	1003.9	1004.9	1006.0	1010.9
980.4	37.5°	969.0	960.0	951.1	946.4	941.6	939.0	941.6	946.4	951.1	960.0
935.7	40°	926.1	913.0	900.0	891.2	882.5	877.2	882.5	891.2	900.0	913.0
890.7	42.5°	882.6	866.3	850.1	837.3	824.5	816.1	824.5	837.3	850.1	866.3
847.0	45°	839.7	821.2	802.7	787.6	772.6	762.9	772.6	787.6	802.7	821.2
811.0	47.5°	805.9	789.4	772.9	758.9	745.0	735.7	745.0	758.9	772.9	789.4
785.9	50°	785.6	772.4	759.3	746.4	733.5	724.6	733.5	746.4	759.3	772.4
769.3	52.5°	772.0	761.3	750.5	739.0	727.5	719.2	727.5	739.0	750.5	761.3
755.4	55°	759.3	749.9	740.5	730.4	720.3	712.9	720.3	730.4	740.5	749.9
741.9	57.5°	745.7	736.3	726.8	716.8	706.7	699.0	706.7	716.8	726.8	736.3
722.7	60°	727.0	717.7	708.5	698.2	687.9	679.9	687.9	698.2	708.5	717.7
692.9	62.5°	697.0	688.7	680.3	669.5	658.6	649.0	658.6	669.5	680.3	688.7
652.4	65°	656.6	648.5	640.5	630.0	619.5	611.3	619.5	630.0	640.5	648.5
606.4	67.5°	610.5	603.1	595.7	585.9	576.1	568.7	576.1	585.9	595.7	603.1
557.2	70°	561.1	555.1	549.1	539.8	530.4	521.9	530.4	539.8	549.1	555.1
502.2	72.5°	506.9	501.9	496.9	487.9	479.1	470.8	479.1	487.9	496.9	501.9
437.3	75°	442.2	439.7	437.3	429.8	422.3	414.4	422.3	429.8	437.3	439.7
374.8	77.5°	379.4	376.0	372.5	364.9	357.4	351.1	357.4	364.9	372.5	376.0
302.5	80°	308.6	307.1	305.6	295.5	285.3	273.4	285.3	295.5	305.6	307.1
220.0	82.5°	230.4	229.7	229.0	220.5	211.8	204.3	211.8	220.5	229.0	229.7
133.5	85°	146.3	145.2	144.2	137.5	130.8	124.0	130.8	137.5	144.2	145.2
58.3	87.5°	63.4	62.1	60.8	57.3	53.8	50.5	53.8	57.3	60.8	62.1
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: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1386.4	0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
1278.4	2.5°	1283.4	1288.5	1294.8	1301.0	1309.0	1317.1	1325.1	1333.2	1342.3	1351.5
1200.6	5°	1207.6	1214.5	1224.5	1234.5	1247.5	1260.4	1274.6	1288.9	1305.0	1321.2
1153.8	7.5°	1162.1	1170.4	1182.2	1194.0	1209.8	1225.7	1243.7	1261.6	1282.9	1304.2
1139.6	10°	1149.0	1158.2	1172.4	1186.6	1204.4	1222.2	1241.6	1260.9	1282.2	1303.5
1160.5	12.5°	1172.5	1184.5	1202.6	1220.6	1239.1	1257.5	1272.6	1287.8	1301.9	1316.0
1203.8	15°	1222.0	1240.2	1265.9	1291.7	1307.7	1323.7	1327.6	1331.6	1329.7	1327.7
1245.4	17.5°	1272.2	1299.0	1333.1	1367.2	1380.1	1393.0	1380.7	1368.4	1345.2	1322.0
1270.7	20°	1303.5	1336.4	1375.3	1414.3	1420.3	1426.3	1400.5	1374.7	1334.3	1294.1
1271.6	22.5°	1305.4	1339.3	1376.5	1413.8	1410.2	1406.6	1373.0	1339.4	1293.4	1247.4
1245.8	25°	1275.8	1305.9	1336.4	1366.9	1354.7	1342.3	1309.3	1276.2	1234.9	1193.5
1195.4	27.5°	1218.7	1242.1	1263.8	1285.6	1271.8	1258.0	1231.6	1205.1	1171.1	1137.1
1133.2	30°	1150.1	1166.8	1183.4	1199.9	1188.7	1177.6	1155.5	1133.6	1105.4	1077.2
1070.9	32.5°	1084.2	1097.6	1112.9	1128.1	1115.6	1103.2	1082.1	1061.1	1038.5	1016.0
1015.8	35°	1028.1	1040.5	1051.3	1062.1	1047.2	1032.3	1011.4	990.6	973.4	956.2
969.0	37.5°	980.4	991.7	996.7	1001.7	983.3	964.9	944.1	923.3	911.0	898.6
926.1	40°	935.7	945.3	944.2	942.9	921.7	900.6	880.4	860.3	851.4	842.6
882.6	42.5°	890.7	898.8	892.7	886.6	863.7	840.8	821.7	802.7	795.4	788.1
839.7	45°	847.0	854.4	845.6	836.8	813.1	789.4	771.3	753.2	747.0	741.0
805.9	47.5°	811.0	816.1	806.0	795.9	772.4	749.0	731.4	713.7	708.0	702.2
785.6	50°	785.9	786.2	773.2	760.2	739.3	718.3	701.6	684.9	675.9	667.0
772.0	52.5°	769.3	766.5	751.1	735.7	716.2	696.6	681.4	666.0	652.6	639.2
759.3	55°	755.4	751.6	735.3	719.0	701.9	684.8	668.3	651.8	632.7	613.6
745.7	57.5°	741.9	738.0	721.6	705.2	688.2	671.3	651.9	632.5	612.0	591.5
727.0	60°	722.7	718.5	702.0	685.5	668.2	651.0	628.8	606.6	588.6	570.6
697.0	62.5°	692.9	688.8	673.7	658.6	640.2	621.9	595.9	570.0	558.6	547.2
656.6	65°	652.4	648.2	634.9	621.6	604.1	586.5	558.7	530.9	526.6	522.1
610.5	67.5°	606.4	602.3	590.8	579.3	562.7	546.1	520.4	494.7	496.1	497.5
561.1	70°	557.2	553.3	542.9	532.5	518.2	503.8	481.2	458.7	463.5	468.3
506.9	72.5°	502.2	497.5	487.4	477.2	464.2	451.2	433.5	415.7	422.7	429.7
442.2	75°	437.3	432.4	423.1	413.9	402.1	390.4	377.2	364.0	370.7	377.4
379.4	77.5°	374.8	370.3	360.6	350.8	340.7	330.6	319.9	309.2	316.0	322.8
308.6	80°	302.5	296.4	289.1	281.7	273.2	264.7	255.8	246.8	252.6	258.3
230.4	82.5°	220.0	209.7	194.0	178.2	181.2	184.2	184.9	185.7	189.7	193.8
146.3	85°	133.5	120.8	106.0	91.2	99.5	107.7	111.6	115.4	120.0	124.5
63.4	87.5°	58.3	53.1	46.9	40.7	47.0	53.3	53.5	53.6	54.5	55.3
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: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1386.4	0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
1361.7	2.5°	1371.9	1384.5	1395.8	1407.5	1419.2	1431.5	1443.7	1455.8	1468.0	1479.5
1340.5	5°	1359.8	1381.8	1404.2	1427.9	1451.5	1476.9	1502.2	1527.4	1552.6	1577.9
1329.8	7.5°	1355.4	1384.0	1414.5	1447.5	1480.5	1518.0	1555.5	1594.1	1632.6	1674.2
1330.5	10°	1357.5	1388.2	1425.8	1465.0	1504.0	1549.6	1595.2	1646.0	1696.9	1749.7
1338.1	12.5°	1360.2	1388.8	1428.3	1472.5	1516.7	1570.4	1624.2	1681.8	1739.5	1797.4
1338.3	15°	1348.9	1371.7	1415.5	1466.7	1517.9	1579.7	1641.6	1704.2	1766.7	1827.1
1318.2	17.5°	1314.3	1328.4	1379.9	1441.4	1503.0	1574.8	1646.6	1714.9	1783.1	1844.4
1276.0	20°	1257.9	1261.6	1321.6	1397.9	1474.1	1561.2	1648.2	1723.2	1798.2	1861.9
1220.6	22.5°	1193.9	1186.6	1254.9	1346.7	1438.6	1544.5	1650.3	1734.5	1818.6	1883.7
1162.7	25°	1131.8	1112.1	1182.1	1289.6	1397.3	1528.0	1658.7	1754.9	1851.1	1914.7
1107.3	27.5°	1077.5	1053.6	1117.3	1237.5	1357.6	1517.0	1676.3	1786.8	1897.3	1958.1
1053.4	30°	1029.8	1011.0	1064.5	1193.8	1323.2	1511.8	1700.3	1828.2	1956.0	2014.7
1002.0	32.5°	988.0	979.7	1022.7	1156.2	1289.6	1505.4	1721.1	1871.3	2021.6	2079.6
952.4	35°	948.5	952.0	987.9	1119.3	1250.6	1493.4	1736.3	1920.5	2104.7	2160.4
902.9	37.5°	907.1	919.8	951.2	1075.7	1200.3	1472.8	1745.3	1975.5	2205.7	2276.7
852.2	40°	861.8	881.2	909.7	1023.8	1137.9	1444.5	1751.0	2045.4	2339.8	2443.2
800.9	42.5°	813.7	838.1	864.4	966.5	1068.7	1415.2	1761.8	2136.9	2511.9	2661.2
753.3	45°	765.8	789.5	816.1	905.7	995.2	1388.0	1780.8	2257.2	2733.6	2935.0
712.7	47.5°	723.1	743.5	777.8	857.5	937.3	1365.6	1793.9	2385.4	2977.0	3260.5
676.2	50°	685.5	709.1	754.3	825.5	896.8	1341.1	1785.4	2504.4	3223.4	3650.7
648.3	52.5°	657.4	690.5	742.4	804.5	866.6	1299.8	1733.0	2581.6	3430.3	4060.7
628.1	55°	642.5	692.4	740.6	789.2	837.8	1231.2	1624.7	2564.6	3504.5	4424.1
612.5	57.5°	633.6	694.2	736.8	771.1	805.4	1134.6	1463.8	2444.8	3425.9	4681.7
597.9	60°	625.2	688.4	716.5	743.5	770.4	1009.2	1247.9	2221.8	3195.8	4746.1
581.3	62.5°	615.4	674.0	677.5	695.4	713.3	859.1	1004.8	1920.4	2835.9	4475.0
558.5	65°	594.8	639.5	639.0	647.5	655.9	724.0	792.0	1612.8	2433.6	4091.5
527.7	67.5°	557.9	583.1	584.2	579.5	574.8	594.2	613.5	1311.5	2009.4	3635.1
489.7	70°	511.2	519.5	519.5	497.6	475.7	470.2	464.7	1032.6	1600.5	3137.1
444.5	72.5°	459.2	459.1	453.9	422.9	391.8	375.1	358.5	789.4	1220.4	2597.3
388.8	75°	400.2	402.2	378.1	343.3	308.6	293.4	278.3	573.0	867.6	1978.4
331.9	77.5°	341.0	342.1	302.4	268.7	234.9	224.6	214.3	388.2	562.2	1384.7
265.9	80°	273.5	273.7	226.4	197.8	169.2	164.9	160.7	250.1	339.7	892.1
197.5	82.5°	201.2	199.0	158.5	137.5	116.4	115.5	114.8	153.9	193.0	516.3
128.5	85°	132.5	129.5	99.5	84.1	68.6	69.1	69.4	82.2	95.1	232.3
56.9	87.5°	58.5	54.8	42.3	36.0	29.7	30.1	30.4	34.1	37.8	76.1
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: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1386.4	0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
1490.9	2.5°	1496.5	1502.2	1510.3	1518.3	1523.1	1527.9	1530.3	1532.7	1531.6	1532.7
1603.1	5°	1622.9	1642.7	1662.3	1681.9	1692.5	1703.2	1709.6	1716.1	1721.0	1716.1
1715.9	7.5°	1748.1	1780.1	1809.0	1837.9	1855.3	1872.7	1882.1	1891.5	1896.0	1891.5
1802.4	10°	1840.4	1878.3	1912.2	1946.1	1966.7	1987.1	1996.2	2005.3	2008.8	2005.3
1855.3	12.5°	1896.5	1937.6	1968.3	1998.8	2013.7	2028.6	2033.6	2038.6	2039.1	2038.6
1887.5	15°	1923.0	1958.5	1977.7	1997.0	1997.5	1998.0	1992.7	1987.4	1981.1	1987.4
1905.6	17.5°	1929.6	1953.6	1953.9	1954.3	1932.7	1911.2	1891.4	1871.6	1857.7	1871.6
1925.5	20°	1933.9	1942.3	1917.0	1891.8	1844.2	1796.6	1762.0	1727.4	1706.1	1727.4
1948.7	22.5°	1937.7	1926.8	1874.4	1822.1	1752.1	1682.1	1638.8	1595.5	1572.0	1595.5
1978.5	25°	1943.9	1909.3	1829.8	1750.3	1665.4	1580.4	1534.9	1489.5	1467.2	1489.5
2018.9	27.5°	1957.1	1895.2	1789.9	1684.7	1590.5	1496.4	1451.6	1406.8	1385.8	1406.8
2073.4	30°	1981.2	1889.1	1759.5	1629.9	1531.8	1433.7	1392.2	1350.6	1331.0	1350.6
2137.8	32.5°	2011.6	1885.4	1738.8	1592.1	1499.9	1407.7	1375.1	1342.5	1328.4	1342.5
2216.0	35°	2061.5	1907.1	1754.3	1601.6	1537.5	1473.5	1465.9	1458.3	1457.1	1458.3
2347.7	37.5°	2165.9	1984.2	1845.4	1706.5	1702.4	1698.2	1733.0	1767.8	1785.9	1767.8
2546.6	40°	2349.0	2151.4	2048.1	1944.8	2017.7	2090.6	2175.2	2259.8	2301.9	2259.8
2810.5	42.5°	2614.4	2418.3	2358.8	2299.4	2458.3	2617.3	2771.1	2925.0	3015.3	2925.0
3136.3	45°	2960.2	2784.0	2757.8	2731.5	2986.2	3240.9	3493.7	3746.5	3900.0	3746.5
3543.8	47.5°	3372.5	3201.1	3195.8	3190.4	3557.8	3925.1	4295.2	4665.3	4882.6	4665.3
4078.0	50°	3866.3	3654.7	3655.6	3656.5	4129.9	4603.4	5091.9	5580.5	5875.8	5580.5
4691.1	52.5°	4434.8	4178.5	4152.6	4126.6	4692.2	5257.7	5862.2	6466.6	6820.6	6466.6
5343.8	55°	5090.6	4837.4	4736.3	4635.3	5264.8	5894.2	6614.7	7335.3	7756.4	7335.3
5937.5	57.5°	5799.6	5661.7	5459.1	5256.5	5892.0	6527.6	7343.8	8159.9	8682.1	8159.9
6296.3	60°	6510.5	6724.8	6473.1	6221.5	6823.0	7424.4	8298.3	9172.1	9736.5	9172.1
6114.1	62.5°	6699.4	7284.6	7256.3	7227.9	7778.8	8329.9	9161.3	9992.6	10514.2	9992.6
5749.5	65°	6298.7	6848.0	6956.7	7065.3	7765.5	8465.8	9272.0	10078.1	10522.2	10078.1
5260.8	67.5°	5783.2	6305.7	6356.6	6407.5	7137.1	7866.6	8676.3	9485.9	9833.8	9485.9
4673.8	70°	5242.0	5810.3	5833.0	5855.9	6508.3	7160.7	7857.4	8554.1	8747.5	8554.1
3974.2	72.5°	4626.3	5278.4	5294.8	5311.1	5821.5	6332.0	6853.8	7375.6	7395.2	7375.6
3089.3	75°	3764.1	4439.0	4499.6	4560.2	4957.3	5354.5	5721.8	6089.1	5990.7	6089.1
2207.2	77.5°	2837.2	3467.2	3553.9	3640.7	3942.6	4244.5	4505.0	4765.6	4596.4	4765.6
1444.6	80°	1974.6	2504.6	2612.4	2720.2	2948.2	3176.1	3312.9	3449.7	3177.6	3449.7
839.7	82.5°	1202.1	1564.5	1684.9	1805.3	1962.2	2119.2	2176.3	2233.3	2019.4	2233.3
369.5	85°	561.8	754.1	856.5	958.9	1087.9	1216.8	1249.2	1281.6	1110.3	1281.6
114.4	87.5°	179.0	243.7	300.8	357.9	422.4	486.9	489.6	492.4	413.4	492.4
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: P946795
 CATALOG NUMBER: GALN-SB2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1386.4	0°	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4	1386.4
1530.3	2.5°	1527.9	1523.1	1518.3	1510.3	1502.2	1496.5	1490.9
1709.6	5°	1703.2	1692.5	1681.9	1662.3	1642.7	1622.9	1603.1
1882.1	7.5°	1872.7	1855.3	1837.9	1809.0	1780.1	1748.1	1715.9
1996.2	10°	1987.1	1966.7	1946.1	1912.2	1878.3	1840.4	1802.4
2033.6	12.5°	2028.6	2013.7	1998.8	1968.3	1937.6	1896.5	1855.3
1992.7	15°	1998.0	1997.5	1997.0	1977.7	1958.5	1923.0	1887.5
1891.4	17.5°	1911.2	1932.7	1954.3	1953.9	1953.6	1929.6	1905.6
1762.0	20°	1796.6	1844.2	1891.8	1917.0	1942.3	1933.9	1925.5
1638.8	22.5°	1682.1	1752.1	1822.1	1874.4	1926.8	1937.7	1948.7
1534.9	25°	1580.4	1665.4	1750.3	1829.8	1909.3	1943.9	1978.5
1451.6	27.5°	1496.4	1590.5	1684.7	1789.9	1895.2	1957.1	2018.9
1392.2	30°	1433.7	1531.8	1629.9	1759.5	1889.1	1981.2	2073.4
1375.1	32.5°	1407.7	1499.9	1592.1	1738.8	1885.4	2011.6	2137.8
1465.9	35°	1473.5	1537.5	1601.6	1754.3	1907.1	2061.5	2216.0
1733.0	37.5°	1698.2	1702.4	1706.5	1845.4	1984.2	2165.9	2347.7
2175.2	40°	2090.6	2017.7	1944.8	2048.1	2151.4	2349.0	2546.6
2771.1	42.5°	2617.3	2458.3	2299.4	2358.8	2418.3	2614.4	2810.5
3493.7	45°	3240.9	2986.2	2731.5	2757.8	2784.0	2960.2	3136.3
4295.2	47.5°	3925.1	3557.8	3190.4	3195.8	3201.1	3372.5	3543.8
5091.9	50°	4603.4	4129.9	3656.5	3655.6	3654.7	3866.3	4078.0
5862.2	52.5°	5257.7	4692.2	4126.6	4152.6	4178.5	4434.8	4691.1
6614.7	55°	5894.2	5264.8	4635.3	4736.3	4837.4	5090.6	5343.8
7343.8	57.5°	6527.6	5892.0	5256.5	5459.1	5661.7	5799.6	5937.5
8298.3	60°	7424.4	6823.0	6221.5	6473.1	6724.8	6510.5	6296.3
9161.3	62.5°	8329.9	7778.8	7227.9	7256.3	7284.6	6699.4	6114.1
9272.0	65°	8465.8	7765.5	7065.3	6956.7	6848.0	6298.7	5749.5
8676.3	67.5°	7866.6	7137.1	6407.5	6356.6	6305.7	5783.2	5260.8
7857.4	70°	7160.7	6508.3	5855.9	5833.0	5810.3	5242.0	4673.8
6853.8	72.5°	6332.0	5821.5	5311.1	5294.8	5278.4	4626.3	3974.2
5721.8	75°	5354.5	4957.3	4560.2	4499.6	4439.0	3764.1	3089.3
4505.0	77.5°	4244.5	3942.6	3640.7	3553.9	3467.2	2837.2	2207.2
3312.9	80°	3176.1	2948.2	2720.2	2612.4	2504.6	1974.6	1444.6
2176.3	82.5°	2119.2	1962.2	1805.3	1684.9	1564.5	1202.1	839.7
1249.2	85°	1216.8	1087.9	958.9	856.5	754.1	561.8	369.5
489.6	87.5°	486.9	422.4	357.9	300.8	243.7	179.0	114.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)