

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: P946480

Luminaire Tested: **GALN-SB2A-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946480
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-SB2A-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8550 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

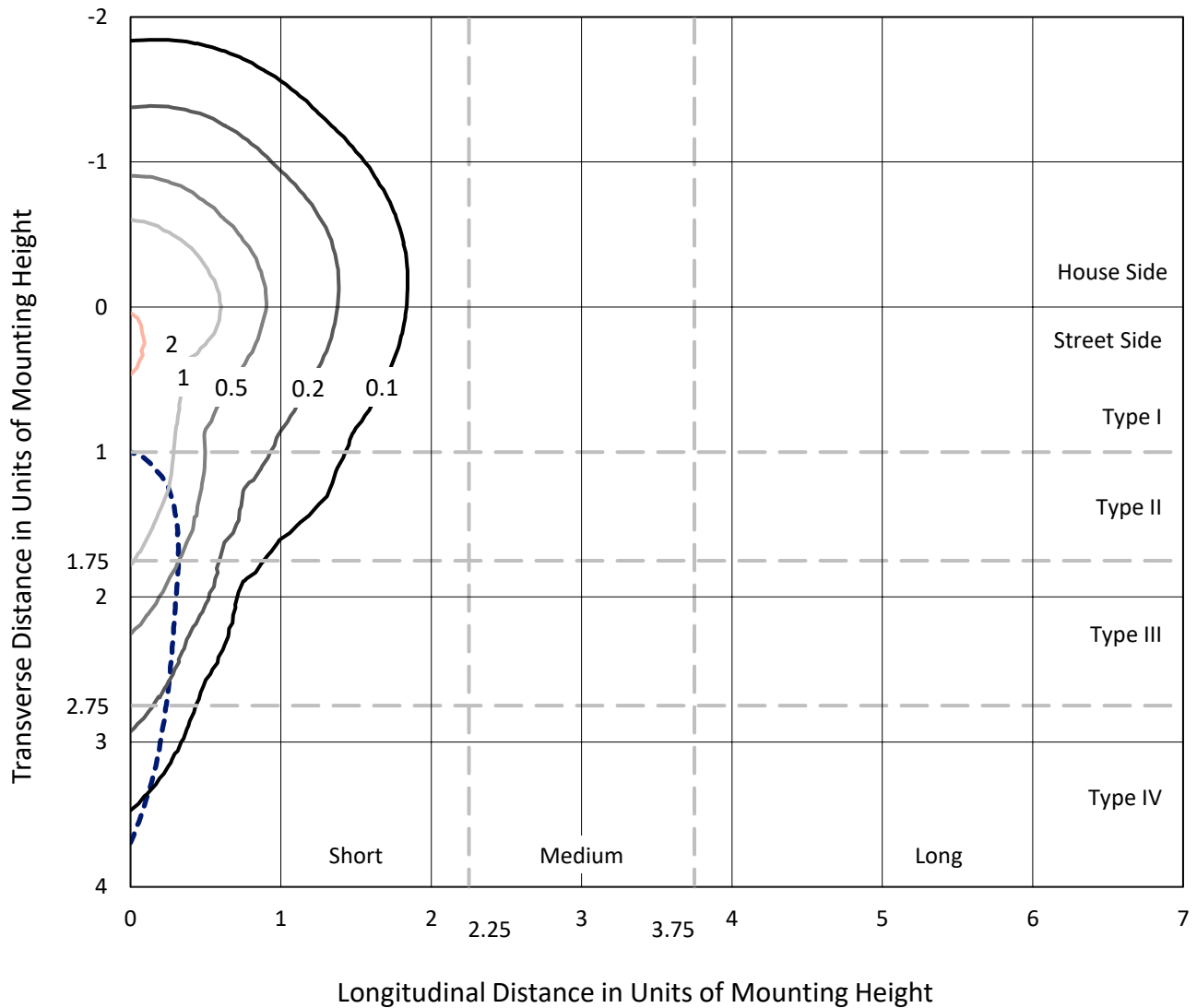
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

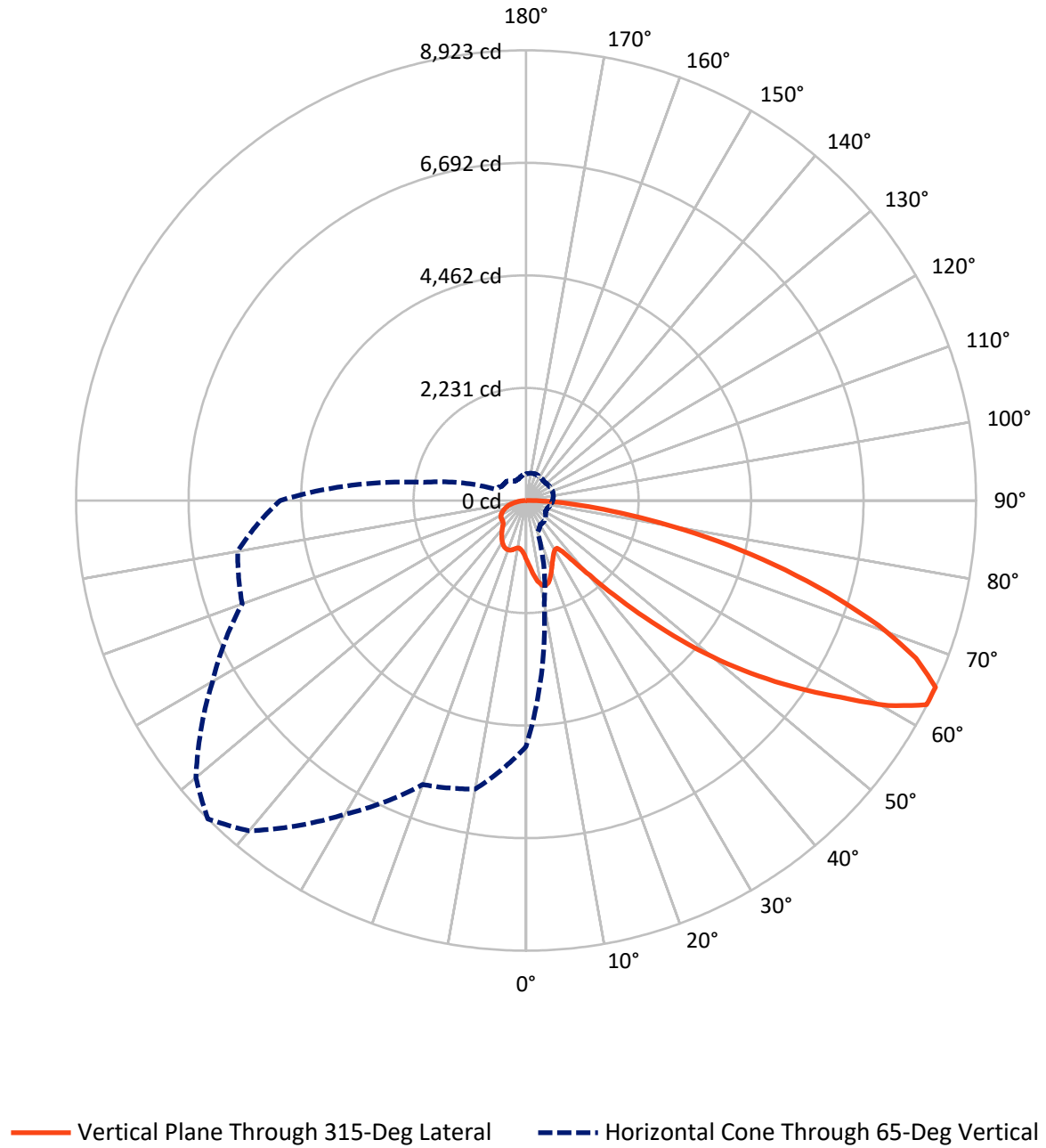
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2173.0	0.0	2173.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6377.0	0.0	6377.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	8550.0	0.0	8550.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	1.4
10°-20°	366.1	4.3
20°-30°	565.5	6.6
30°-40°	716.7	8.4
40°-50°	1080.9	12.6
50°-60°	1746.4	20.4
60°-70°	2177.1	25.5
70°-80°	1427.7	16.7
80°-90°	353.0	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°	8550.0	100.0
0°-180°	8550.0	100.0



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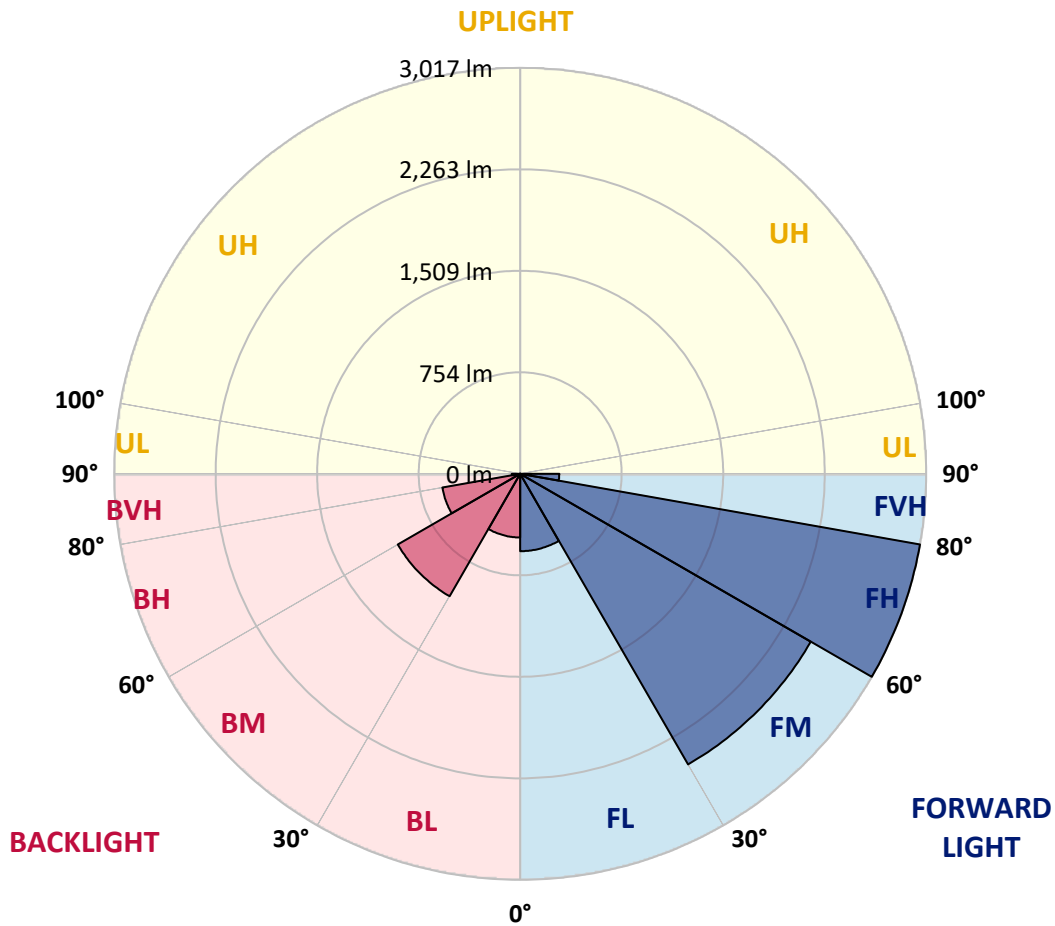
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.1	6.7			
FM (30°-60°)	2493.8	29.2			
FH (60°-80°)	3017.3	35.3			G2/5000
FVH (80°-90°)	290.8	3.4			G3/500
BL (0°-30°)	473.2	5.5	B1/500		
BM (30°-60°)	1050.1	12.3	B2/2500		
BH (60°-80°)	587.5	6.9	B2/1000		G2/1000
BVH (80°-90°)	62.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
2.5°	1264.3	1254.7	1245.0	1234.6	1224.3	1214.0	1203.6	1193.7	1183.7	1174.1
5°	1359.5	1338.1	1316.7	1295.3	1274.0	1252.4	1231.0	1210.9	1190.8	1171.9
7.5°	1455.2	1419.8	1384.5	1351.8	1319.2	1287.4	1255.6	1227.5	1199.5	1173.7
10°	1528.5	1483.8	1439.1	1395.9	1352.8	1314.2	1275.5	1242.4	1209.2	1177.3
12.5°	1573.4	1524.3	1475.2	1426.3	1377.4	1331.8	1286.2	1248.7	1211.2	1177.7
15°	1600.7	1549.5	1498.3	1445.2	1392.2	1339.7	1287.2	1243.8	1200.4	1163.3
17.5°	1616.0	1564.1	1512.2	1454.3	1396.4	1335.5	1274.6	1222.4	1170.2	1126.5
20°	1632.9	1579.0	1525.0	1461.4	1397.8	1323.9	1250.1	1185.4	1120.7	1069.9
22.5°	1652.6	1597.4	1542.3	1470.9	1399.6	1309.8	1220.0	1142.1	1064.2	1006.3
25°	1677.8	1623.8	1569.8	1488.3	1406.7	1295.8	1184.9	1093.7	1002.5	943.1
27.5°	1712.1	1660.6	1609.0	1515.3	1421.6	1286.5	1151.3	1049.4	947.5	893.5
30°	1758.4	1708.6	1658.8	1550.4	1442.0	1282.1	1122.1	1012.4	902.8	857.4
32.5°	1812.9	1763.6	1714.4	1587.0	1459.6	1276.7	1093.7	980.5	867.3	830.8
35°	1879.3	1832.1	1784.8	1628.7	1472.5	1266.5	1060.6	949.2	837.8	807.3
37.5°	1990.9	1930.7	1870.6	1675.3	1480.1	1249.0	1017.9	912.3	806.7	780.0
40°	2159.7	2072.0	1984.3	1734.6	1485.0	1225.0	965.0	868.2	771.5	747.3
42.5°	2383.4	2256.8	2130.2	1812.2	1494.1	1200.2	906.3	819.7	733.0	710.8
45°	2659.8	2489.0	2318.2	1914.2	1510.2	1177.1	844.0	768.0	692.1	669.5
47.5°	3005.3	2765.0	2524.6	2023.0	1521.3	1158.1	794.8	727.2	659.6	630.5
50°	3458.3	3096.0	2733.6	2123.8	1514.1	1137.3	760.5	700.1	639.6	601.4
52.5°	3978.2	3443.6	2909.0	2189.3	1469.6	1102.3	734.9	682.2	629.6	585.6
55°	4531.8	3751.9	2972.0	2174.9	1377.8	1044.1	710.5	669.3	628.1	587.2
57.5°	5035.3	3970.3	2905.3	2073.3	1241.3	962.2	683.0	653.9	624.8	588.8
60°	5339.6	4024.9	2710.2	1884.2	1058.3	855.8	653.4	630.5	607.6	583.8
62.5°	5185.1	3795.0	2405.0	1628.6	852.1	728.5	604.9	589.7	574.5	571.6
65°	4875.8	3469.8	2063.8	1367.7	671.7	614.0	556.3	549.1	541.9	542.3
67.5°	4461.4	3082.8	1704.1	1112.2	520.3	503.9	487.5	491.5	495.5	494.5
70°	3963.6	2660.4	1357.3	875.7	394.1	398.8	403.4	422.0	440.5	440.5
72.5°	3370.3	2202.6	1034.9	669.5	304.0	318.1	332.3	358.6	384.9	389.3
75°	2619.8	1677.8	735.7	485.9	236.0	248.9	261.7	291.2	320.7	341.1
77.5°	1871.8	1174.3	476.8	329.2	181.7	190.4	199.2	227.8	256.5	290.1
80°	1225.1	756.6	288.1	212.1	136.2	139.9	143.5	167.7	192.0	232.1
82.5°	712.1	437.9	163.7	130.5	97.4	98.0	98.7	116.6	134.4	168.7
85°	313.3	197.0	80.7	69.7	58.9	58.6	58.2	71.3	84.4	109.9
87.5°	97.0	64.5	32.0	28.9	25.8	25.5	25.2	30.5	35.9	46.5
90°	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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1163.4	2.5°	1154.8	1146.1	1138.3	1130.6	1123.8	1117.0	1110.1	1103.3	1098.0	1092.7
1153.1	5°	1136.8	1120.4	1106.7	1093.0	1081.0	1068.9	1057.9	1046.9	1038.5	1030.0
1149.4	7.5°	1127.7	1106.0	1087.9	1069.9	1054.7	1039.5	1026.0	1012.6	1002.5	992.5
1151.2	10°	1128.3	1105.4	1087.4	1069.3	1052.9	1036.5	1021.4	1006.3	994.3	982.2
1153.5	12.5°	1134.7	1116.1	1104.1	1092.1	1079.2	1066.4	1050.8	1035.2	1019.8	1004.5
1143.9	15°	1134.9	1126.0	1127.6	1129.2	1125.9	1122.6	1109.0	1095.4	1073.6	1051.7
1114.6	17.5°	1117.9	1121.1	1140.8	1160.4	1170.9	1181.3	1170.4	1159.5	1130.5	1101.6
1066.7	20°	1082.1	1097.4	1131.6	1165.8	1187.7	1209.5	1204.5	1199.4	1166.3	1133.3
1012.5	22.5°	1035.2	1057.9	1096.8	1135.9	1164.4	1192.8	1195.9	1198.9	1167.4	1135.8
959.8	25°	986.0	1012.2	1047.2	1082.3	1110.3	1138.3	1148.8	1159.2	1133.3	1107.5
913.8	27.5°	939.1	964.3	993.2	1021.9	1044.4	1066.9	1078.5	1090.2	1071.8	1053.3
873.3	30°	893.4	913.5	937.4	961.3	979.9	998.6	1008.1	1017.6	1003.5	989.5
837.9	32.5°	849.7	861.6	880.7	899.8	917.7	935.6	946.1	956.7	943.8	930.8
804.4	35°	807.6	810.9	825.5	840.0	857.7	875.5	888.1	900.7	891.5	882.4
769.3	37.5°	765.7	762.1	772.6	783.0	800.6	818.3	833.9	849.5	845.3	841.0
730.9	40°	722.7	714.5	722.1	729.6	746.7	763.7	781.7	799.7	800.7	801.7
690.0	42.5°	679.2	668.4	674.5	680.7	696.8	713.0	732.4	751.8	757.0	762.2
649.4	45°	638.9	628.4	633.5	638.7	654.1	669.4	689.5	709.7	717.1	724.5
613.2	47.5°	604.4	595.5	600.4	605.2	620.2	635.2	655.1	674.9	683.5	692.1
581.3	50°	573.5	565.7	573.2	580.9	595.0	609.1	626.9	644.7	655.7	666.7
557.5	52.5°	549.8	542.1	553.5	564.8	577.8	590.8	607.3	623.9	637.0	650.0
544.9	55°	532.6	520.4	536.6	552.7	566.7	580.7	595.2	609.7	623.5	637.4
537.3	57.5°	519.5	501.6	519.0	536.4	552.8	569.3	583.6	598.0	611.9	625.8
530.2	60°	507.0	483.9	499.2	514.4	533.3	552.1	566.7	581.3	595.3	609.3
521.9	62.5°	492.9	464.0	473.7	483.4	505.4	527.4	543.0	558.5	571.3	584.1
504.4	65°	473.6	442.8	446.5	450.2	473.8	497.4	512.3	527.2	538.4	549.7
473.2	67.5°	447.5	421.9	420.7	419.6	441.3	463.1	477.2	491.3	501.0	510.8
433.6	70°	415.3	397.1	393.0	389.0	408.1	427.2	439.4	451.6	460.4	469.2
389.4	72.5°	376.9	364.4	358.5	352.6	367.6	382.7	393.7	404.7	413.3	421.9
339.4	75°	329.7	320.1	314.4	308.7	319.9	331.1	341.0	351.0	358.8	366.7
289.2	77.5°	281.5	273.8	268.0	262.2	271.3	280.4	289.0	297.5	305.8	314.0
232.0	80°	225.5	219.0	214.2	209.3	216.9	224.4	231.7	238.9	245.2	251.4
170.6	82.5°	167.5	164.3	160.9	157.5	156.8	156.2	153.7	151.1	164.5	177.8
112.3	85°	109.0	105.6	101.7	97.9	94.7	91.4	84.4	77.4	89.9	102.4
49.6	87.5°	48.3	46.9	46.2	45.5	45.3	45.2	39.9	34.5	39.7	45.0
0.0	90°	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1088.4	2.5°	1084.1	1080.8	1077.4	1074.4	1071.3	1067.4	1071.3	1074.4	1077.4	1080.8
1024.1	5°	1018.2	1014.0	1009.8	1006.6	1003.4	1000.2	1003.4	1006.6	1009.8	1014.0
985.5	7.5°	978.5	973.6	968.8	966.0	963.1	961.0	963.1	966.0	968.8	973.6
974.4	10°	966.5	961.9	957.3	954.9	952.5	951.5	952.5	954.9	957.3	961.9
994.3	12.5°	984.2	979.1	974.0	972.0	969.9	969.5	969.9	972.0	974.0	979.1
1036.3	15°	1020.9	1013.8	1006.7	1004.0	1001.3	1001.1	1001.3	1004.0	1006.7	1013.8
1078.9	17.5°	1056.1	1045.7	1035.2	1031.7	1028.3	1027.7	1028.3	1031.7	1035.2	1045.7
1105.4	20°	1077.6	1064.2	1050.7	1046.4	1042.2	1040.8	1042.2	1046.4	1050.7	1064.2
1107.1	22.5°	1078.3	1064.2	1050.1	1045.3	1040.6	1038.5	1040.6	1045.3	1050.1	1064.2
1081.9	25°	1056.5	1044.2	1032.0	1027.5	1023.1	1020.5	1023.1	1027.5	1032.0	1044.2
1033.5	27.5°	1013.7	1005.5	997.3	995.2	993.2	992.5	993.2	995.2	997.3	1005.5
975.3	30°	961.0	956.8	952.6	952.6	952.6	953.3	952.6	952.6	952.6	956.8
919.5	32.5°	908.2	905.4	902.7	903.0	903.4	904.1	903.4	903.0	902.7	905.4
871.9	35°	861.5	857.3	853.1	852.2	851.3	850.9	851.3	852.2	853.1	857.3
831.4	37.5°	821.8	814.1	806.6	802.6	798.5	796.3	798.5	802.6	806.6	814.1
793.5	40°	785.4	774.3	763.3	755.8	748.4	743.9	748.4	755.8	763.3	774.3
755.3	42.5°	748.5	734.7	720.9	710.1	699.2	692.1	699.2	710.1	720.9	734.7
718.3	45°	712.1	696.4	680.7	667.9	655.2	647.0	655.2	667.9	680.7	696.4
687.7	47.5°	683.4	669.4	655.4	643.6	631.8	623.9	631.8	643.6	655.4	669.4
666.4	50°	666.3	655.1	643.9	633.0	622.0	614.5	622.0	633.0	643.9	655.1
652.4	52.5°	654.7	645.6	636.5	626.7	616.9	610.0	616.9	626.7	636.5	645.6
640.6	55°	643.9	635.9	628.0	619.4	610.9	604.5	610.9	619.4	628.0	635.9
629.1	57.5°	632.4	624.4	616.4	607.9	599.4	592.8	599.4	607.9	616.4	624.4
612.9	60°	616.5	608.6	600.8	592.1	583.3	576.6	583.3	592.1	600.8	608.6
587.6	62.5°	591.1	584.0	576.9	567.7	558.5	550.4	558.5	567.7	576.9	584.0
553.3	65°	556.8	550.0	543.2	534.3	525.4	518.4	525.4	534.3	543.2	550.0
514.3	67.5°	517.7	511.4	505.2	496.9	488.6	482.3	488.6	496.9	505.2	511.4
472.5	70°	475.9	470.8	465.7	457.7	449.8	442.6	449.8	457.7	465.7	470.8
425.9	72.5°	429.9	425.6	421.4	413.8	406.3	399.3	406.3	413.8	421.4	425.6
370.8	75°	375.0	372.9	370.8	364.5	358.1	351.4	358.1	364.5	370.8	372.9
317.9	77.5°	321.8	318.9	315.9	309.5	303.1	297.8	303.1	309.5	315.9	318.9
256.5	80°	261.7	260.4	259.2	250.6	241.9	231.9	241.9	250.6	259.2	260.4
186.6	82.5°	195.3	194.8	194.2	187.0	179.6	173.2	179.6	187.0	194.2	194.8
113.2	85°	124.1	123.2	122.3	116.6	110.9	105.1	110.9	116.6	122.3	123.2
49.4	87.5°	53.8	52.7	51.5	48.6	45.7	42.9	45.7	48.6	51.5	52.7
0.0	90°	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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1084.1	2.5°	1088.4	1092.7	1098.0	1103.3	1110.1	1117.0	1123.8	1130.6	1138.3	1146.1
1018.2	5°	1024.1	1030.0	1038.5	1046.9	1057.9	1068.9	1081.0	1093.0	1106.7	1120.4
978.5	7.5°	985.5	992.5	1002.5	1012.6	1026.0	1039.5	1054.7	1069.9	1087.9	1106.0
966.5	10°	974.4	982.2	994.3	1006.3	1021.4	1036.5	1052.9	1069.3	1087.4	1105.4
984.2	12.5°	994.3	1004.5	1019.8	1035.2	1050.8	1066.4	1079.2	1092.1	1104.1	1116.1
1020.9	15°	1036.3	1051.7	1073.6	1095.4	1109.0	1122.6	1125.9	1129.2	1127.6	1126.0
1056.1	17.5°	1078.9	1101.6	1130.5	1159.5	1170.4	1181.3	1170.9	1160.4	1140.8	1121.1
1077.6	20°	1105.4	1133.3	1166.3	1199.4	1204.5	1209.5	1187.7	1165.8	1131.6	1097.4
1078.3	22.5°	1107.1	1135.8	1167.4	1198.9	1195.9	1192.8	1164.4	1135.9	1096.8	1057.9
1056.5	25°	1081.9	1107.5	1133.3	1159.2	1148.8	1138.3	1110.3	1082.3	1047.2	1012.2
1013.7	27.5°	1033.5	1053.3	1071.8	1090.2	1078.5	1066.9	1044.4	1021.9	993.2	964.3
961.0	30°	975.3	989.5	1003.5	1017.6	1008.1	998.6	979.9	961.3	937.4	913.5
908.2	32.5°	919.5	930.8	943.8	956.7	946.1	935.6	917.7	899.8	880.7	861.6
861.5	35°	871.9	882.4	891.5	900.7	888.1	875.5	857.7	840.0	825.5	810.9
821.8	37.5°	831.4	841.0	845.3	849.5	833.9	818.3	800.6	783.0	772.6	762.1
785.4	40°	793.5	801.7	800.7	799.7	781.7	763.7	746.7	729.6	722.1	714.5
748.5	42.5°	755.3	762.2	757.0	751.8	732.4	713.0	696.8	680.7	674.5	668.4
712.1	45°	718.3	724.5	717.1	709.7	689.5	669.4	654.1	638.7	633.5	628.4
683.4	47.5°	687.7	692.1	683.5	674.9	655.1	635.2	620.2	605.2	600.4	595.5
666.3	50°	666.4	666.7	655.7	644.7	626.9	609.1	595.0	580.9	573.2	565.7
654.7	52.5°	652.4	650.0	637.0	623.9	607.3	590.8	577.8	564.8	553.5	542.1
643.9	55°	640.6	637.4	623.5	609.7	595.2	580.7	566.7	552.7	536.6	520.4
632.4	57.5°	629.1	625.8	611.9	598.0	583.6	569.3	552.8	536.4	519.0	501.6
616.5	60°	612.9	609.3	595.3	581.3	566.7	552.1	533.3	514.4	499.2	483.9
591.1	62.5°	587.6	584.1	571.3	558.5	543.0	527.4	505.4	483.4	473.7	464.0
556.8	65°	553.3	549.7	538.4	527.2	512.3	497.4	473.8	450.2	446.5	442.8
517.7	67.5°	514.3	510.8	501.0	491.3	477.2	463.1	441.3	419.6	420.7	421.9
475.9	70°	472.5	469.2	460.4	451.6	439.4	427.2	408.1	389.0	393.0	397.1
429.9	72.5°	425.9	421.9	413.3	404.7	393.7	382.7	367.6	352.6	358.5	364.4
375.0	75°	370.8	366.7	358.8	351.0	341.0	331.1	319.9	308.7	314.4	320.1
321.8	77.5°	317.9	314.0	305.8	297.5	289.0	280.4	271.3	262.2	268.0	273.8
261.7	80°	256.5	251.4	245.2	238.9	231.7	224.4	216.9	209.3	214.2	219.0
195.3	82.5°	186.6	177.8	164.5	151.1	153.7	156.2	156.8	157.5	160.9	164.3
124.1	85°	113.2	102.4	89.9	77.4	84.4	91.4	94.7	97.9	101.7	105.6
53.8	87.5°	49.4	45.0	39.7	34.5	39.9	45.2	45.3	45.5	46.2	46.9
0.0	90°	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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1154.8	2.5°	1163.4	1174.1	1183.7	1193.7	1203.6	1214.0	1224.3	1234.6	1245.0	1254.7
1136.8	5°	1153.1	1171.9	1190.8	1210.9	1231.0	1252.4	1274.0	1295.3	1316.7	1338.1
1127.7	7.5°	1149.4	1173.7	1199.5	1227.5	1255.6	1287.4	1319.2	1351.8	1384.5	1419.8
1128.3	10°	1151.2	1177.3	1209.2	1242.4	1275.5	1314.2	1352.8	1395.9	1439.1	1483.8
1134.7	12.5°	1153.5	1177.7	1211.2	1248.7	1286.2	1331.8	1377.4	1426.3	1475.2	1524.3
1134.9	15°	1143.9	1163.3	1200.4	1243.8	1287.2	1339.7	1392.2	1445.2	1498.3	1549.5
1117.9	17.5°	1114.6	1126.5	1170.2	1222.4	1274.6	1335.5	1396.4	1454.3	1512.2	1564.1
1082.1	20°	1066.7	1069.9	1120.7	1185.4	1250.1	1323.9	1397.8	1461.4	1525.0	1579.0
1035.2	22.5°	1012.5	1006.3	1064.2	1142.1	1220.0	1309.8	1399.6	1470.9	1542.3	1597.4
986.0	25°	959.8	943.1	1002.5	1093.7	1184.9	1295.8	1406.7	1488.3	1569.8	1623.8
939.1	27.5°	913.8	893.5	947.5	1049.4	1151.3	1286.5	1421.6	1515.3	1609.0	1660.6
893.4	30°	873.3	857.4	902.8	1012.4	1122.1	1282.1	1442.0	1550.4	1658.8	1708.6
849.7	32.5°	837.9	830.8	867.3	980.5	1093.7	1276.7	1459.6	1587.0	1714.4	1763.6
807.6	35°	804.4	807.3	837.8	949.2	1060.6	1266.5	1472.5	1628.7	1784.8	1832.1
765.7	37.5°	769.3	780.0	806.7	912.3	1017.9	1249.0	1480.1	1675.3	1870.6	1930.7
722.7	40°	730.9	747.3	771.5	868.2	965.0	1225.0	1485.0	1734.6	1984.3	2072.0
679.2	42.5°	690.0	710.8	733.0	819.7	906.3	1200.2	1494.1	1812.2	2130.2	2256.8
638.9	45°	649.4	669.5	692.1	768.0	844.0	1177.1	1510.2	1914.2	2318.2	2489.0
604.4	47.5°	613.2	630.5	659.6	727.2	794.8	1158.1	1521.3	2023.0	2524.6	2765.0
573.5	50°	581.3	601.4	639.6	700.1	760.5	1137.3	1514.1	2123.8	2733.6	3096.0
549.8	52.5°	557.5	585.6	629.6	682.2	734.9	1102.3	1469.6	2189.3	2909.0	3443.6
532.6	55°	544.9	587.2	628.1	669.3	710.5	1044.1	1377.8	2174.9	2972.0	3751.9
519.5	57.5°	537.3	588.8	624.8	653.9	683.0	962.2	1241.3	2073.3	2905.3	3970.3
507.0	60°	530.2	583.8	607.6	630.5	653.4	855.8	1058.3	1884.2	2710.2	4024.9
492.9	62.5°	521.9	571.6	574.5	589.7	604.9	728.5	852.1	1628.6	2405.0	3795.0
473.6	65°	504.4	542.3	541.9	549.1	556.3	614.0	671.7	1367.7	2063.8	3469.8
447.5	67.5°	473.2	494.5	495.5	491.5	487.5	503.9	520.3	1112.2	1704.1	3082.8
415.3	70°	433.6	440.5	440.5	422.0	403.4	398.8	394.1	875.7	1357.3	2660.4
376.9	72.5°	389.4	389.3	384.9	358.6	332.3	318.1	304.0	669.5	1034.9	2202.6
329.7	75°	339.4	341.1	320.7	291.2	261.7	248.9	236.0	485.9	735.7	1677.8
281.5	77.5°	289.2	290.1	256.5	227.8	199.2	190.4	181.7	329.2	476.8	1174.3
225.5	80°	232.0	232.1	192.0	167.7	143.5	139.9	136.2	212.1	288.1	756.6
167.5	82.5°	170.6	168.7	134.4	116.6	98.7	98.0	97.4	130.5	163.7	437.9
109.0	85°	112.3	109.9	84.4	71.3	58.2	58.6	58.9	69.7	80.7	197.0
48.3	87.5°	49.6	46.5	35.9	30.5	25.2	25.5	25.8	28.9	32.0	64.5
0.0	90°	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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1264.3	2.5°	1269.1	1274.0	1280.8	1287.6	1291.6	1295.7	1297.7	1299.8	1298.9	1299.8
1359.5	5°	1376.3	1393.1	1409.7	1426.3	1435.3	1444.4	1449.8	1455.3	1459.5	1455.3
1455.2	7.5°	1482.4	1509.6	1534.1	1558.6	1573.4	1588.1	1596.1	1604.1	1607.9	1604.1
1528.5	10°	1560.7	1592.9	1621.7	1650.4	1667.8	1685.1	1692.9	1700.6	1703.5	1700.6
1573.4	12.5°	1608.3	1643.2	1669.2	1695.1	1707.7	1720.3	1724.6	1728.8	1729.3	1728.8
1600.7	15°	1630.8	1660.9	1677.2	1693.5	1694.0	1694.4	1689.9	1685.4	1680.1	1685.4
1616.0	17.5°	1636.4	1656.7	1657.0	1657.3	1639.0	1620.8	1604.0	1587.2	1575.4	1587.2
1632.9	20°	1640.0	1647.2	1625.7	1604.3	1564.0	1523.6	1494.3	1464.9	1446.8	1464.9
1652.6	22.5°	1643.3	1634.0	1589.6	1545.2	1485.9	1426.5	1389.8	1353.1	1333.2	1353.1
1677.8	25°	1648.5	1619.2	1551.8	1484.4	1412.3	1340.3	1301.7	1263.1	1244.3	1263.1
1712.1	27.5°	1659.7	1607.2	1517.9	1428.7	1348.9	1269.0	1231.0	1193.1	1175.2	1193.1
1758.4	30°	1680.2	1602.0	1492.1	1382.2	1299.0	1215.9	1180.6	1145.4	1128.8	1145.4
1812.9	32.5°	1705.9	1598.9	1474.5	1350.2	1272.0	1193.8	1166.2	1138.5	1126.5	1138.5
1879.3	35°	1748.3	1617.3	1487.7	1358.2	1303.9	1249.6	1243.1	1236.7	1235.7	1236.7
1990.9	37.5°	1836.8	1682.7	1565.0	1447.2	1443.7	1440.2	1469.7	1499.2	1514.5	1499.2
2159.7	40°	1992.1	1824.5	1736.9	1649.3	1711.1	1772.9	1844.7	1916.4	1952.1	1916.4
2383.4	42.5°	2217.1	2050.8	2000.4	1950.0	2084.8	2219.6	2350.0	2480.5	2557.1	2480.5
2659.8	45°	2510.4	2361.0	2338.7	2316.4	2532.4	2748.4	2962.8	3177.2	3307.4	3177.2
3005.3	47.5°	2860.0	2714.7	2710.2	2705.6	3017.2	3328.7	3642.5	3956.4	4140.7	3956.4
3458.3	50°	3278.8	3099.3	3100.1	3100.8	3502.4	3903.9	4318.2	4732.5	4983.0	4732.5
3978.2	52.5°	3760.9	3543.6	3521.6	3499.6	3979.2	4458.8	4971.4	5484.0	5784.2	5484.0
4531.8	55°	4317.1	4102.3	4016.6	3931.0	4464.8	4998.5	5609.6	6220.7	6577.8	6220.7
5035.3	57.5°	4918.4	4801.4	4629.5	4457.7	4996.7	5535.7	6227.9	6920.0	7362.8	6920.0
5339.6	60°	5521.2	5702.9	5489.5	5276.1	5786.2	6296.3	7037.3	7778.4	8257.0	7778.4
5185.1	62.5°	5681.4	6177.7	6153.6	6129.6	6596.8	7064.1	7769.2	8474.2	8916.5	8474.2
4875.8	65°	5341.6	5807.4	5899.6	5991.7	6585.5	7179.4	7863.1	8546.7	8923.3	8546.7
4461.4	67.5°	4904.5	5347.5	5390.7	5433.9	6052.6	6671.3	7357.9	8044.5	8339.5	8044.5
3963.6	70°	4445.5	4927.4	4946.7	4966.0	5519.3	6072.6	6663.5	7254.3	7418.3	7254.3
3370.3	72.5°	3923.3	4476.3	4490.2	4504.1	4936.9	5369.8	5812.4	6254.8	6271.4	6254.8
2619.8	75°	3192.2	3764.5	3815.9	3867.3	4204.0	4540.8	4852.4	5163.9	5080.4	5163.9
1871.8	77.5°	2406.1	2940.4	3013.9	3087.4	3343.5	3599.5	3820.4	4041.4	3897.9	4041.4
1225.1	80°	1674.6	2124.0	2215.4	2306.8	2500.2	2693.5	2809.5	2925.5	2694.7	2925.5
712.1	82.5°	1019.4	1326.7	1428.8	1531.0	1664.1	1797.2	1845.6	1893.9	1712.6	1893.9
313.3	85°	476.4	639.5	726.4	813.2	922.6	1031.9	1059.3	1086.8	941.6	1086.8
97.0	87.5°	151.8	206.6	255.1	303.5	358.2	412.9	415.2	417.5	350.5	417.5
0.0	90°	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):

325°		330°	335°	340°	345°	350°	355°	360°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1297.7	2.5°	1295.7	1291.6	1287.6	1280.8	1274.0	1269.1	1264.3
1449.8	5°	1444.4	1435.3	1426.3	1409.7	1393.1	1376.3	1359.5
1596.1	7.5°	1588.1	1573.4	1558.6	1534.1	1509.6	1482.4	1455.2
1692.9	10°	1685.1	1667.8	1650.4	1621.7	1592.9	1560.7	1528.5
1724.6	12.5°	1720.3	1707.7	1695.1	1669.2	1643.2	1608.3	1573.4
1689.9	15°	1694.4	1694.0	1693.5	1677.2	1660.9	1630.8	1600.7
1604.0	17.5°	1620.8	1639.0	1657.3	1657.0	1656.7	1636.4	1616.0
1494.3	20°	1523.6	1564.0	1604.3	1625.7	1647.2	1640.0	1632.9
1389.8	22.5°	1426.5	1485.9	1545.2	1589.6	1634.0	1643.3	1652.6
1301.7	25°	1340.3	1412.3	1484.4	1551.8	1619.2	1648.5	1677.8
1231.0	27.5°	1269.0	1348.9	1428.7	1517.9	1607.2	1659.7	1712.1
1180.6	30°	1215.9	1299.0	1382.2	1492.1	1602.0	1680.2	1758.4
1166.2	32.5°	1193.8	1272.0	1350.2	1474.5	1598.9	1705.9	1812.9
1243.1	35°	1249.6	1303.9	1358.2	1487.7	1617.3	1748.3	1879.3
1469.7	37.5°	1440.2	1443.7	1447.2	1565.0	1682.7	1836.8	1990.9
1844.7	40°	1772.9	1711.1	1649.3	1736.9	1824.5	1992.1	2159.7
2350.0	42.5°	2219.6	2084.8	1950.0	2000.4	2050.8	2217.1	2383.4
2962.8	45°	2748.4	2532.4	2316.4	2338.7	2361.0	2510.4	2659.8
3642.5	47.5°	3328.7	3017.2	2705.6	2710.2	2714.7	2860.0	3005.3
4318.2	50°	3903.9	3502.4	3100.8	3100.1	3099.3	3278.8	3458.3
4971.4	52.5°	4458.8	3979.2	3499.6	3521.6	3543.6	3760.9	3978.2
5609.6	55°	4998.5	4464.8	3931.0	4016.6	4102.3	4317.1	4531.8
6227.9	57.5°	5535.7	4996.7	4457.7	4629.5	4801.4	4918.4	5035.3
7037.3	60°	6296.3	5786.2	5276.1	5489.5	5702.9	5521.2	5339.6
7769.2	62.5°	7064.1	6596.8	6129.6	6153.6	6177.7	5681.4	5185.1
7863.1	65°	7179.4	6585.5	5991.7	5899.6	5807.4	5341.6	4875.8
7357.9	67.5°	6671.3	6052.6	5433.9	5390.7	5347.5	4904.5	4461.4
6663.5	70°	6072.6	5519.3	4966.0	4946.7	4927.4	4445.5	3963.6
5812.4	72.5°	5369.8	4936.9	4504.1	4490.2	4476.3	3923.3	3370.3
4852.4	75°	4540.8	4204.0	3867.3	3815.9	3764.5	3192.2	2619.8
3820.4	77.5°	3599.5	3343.5	3087.4	3013.9	2940.4	2406.1	1871.8
2809.5	80°	2693.5	2500.2	2306.8	2215.4	2124.0	1674.6	1225.1
1845.6	82.5°	1797.2	1664.1	1531.0	1428.8	1326.7	1019.4	712.1
1059.3	85°	1031.9	922.6	813.2	726.4	639.5	476.4	313.3
415.2	87.5°	412.9	358.2	303.5	255.1	206.6	151.8	97.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)