

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: P939852

Luminaire Tested: **GALN-SB2C-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9037 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

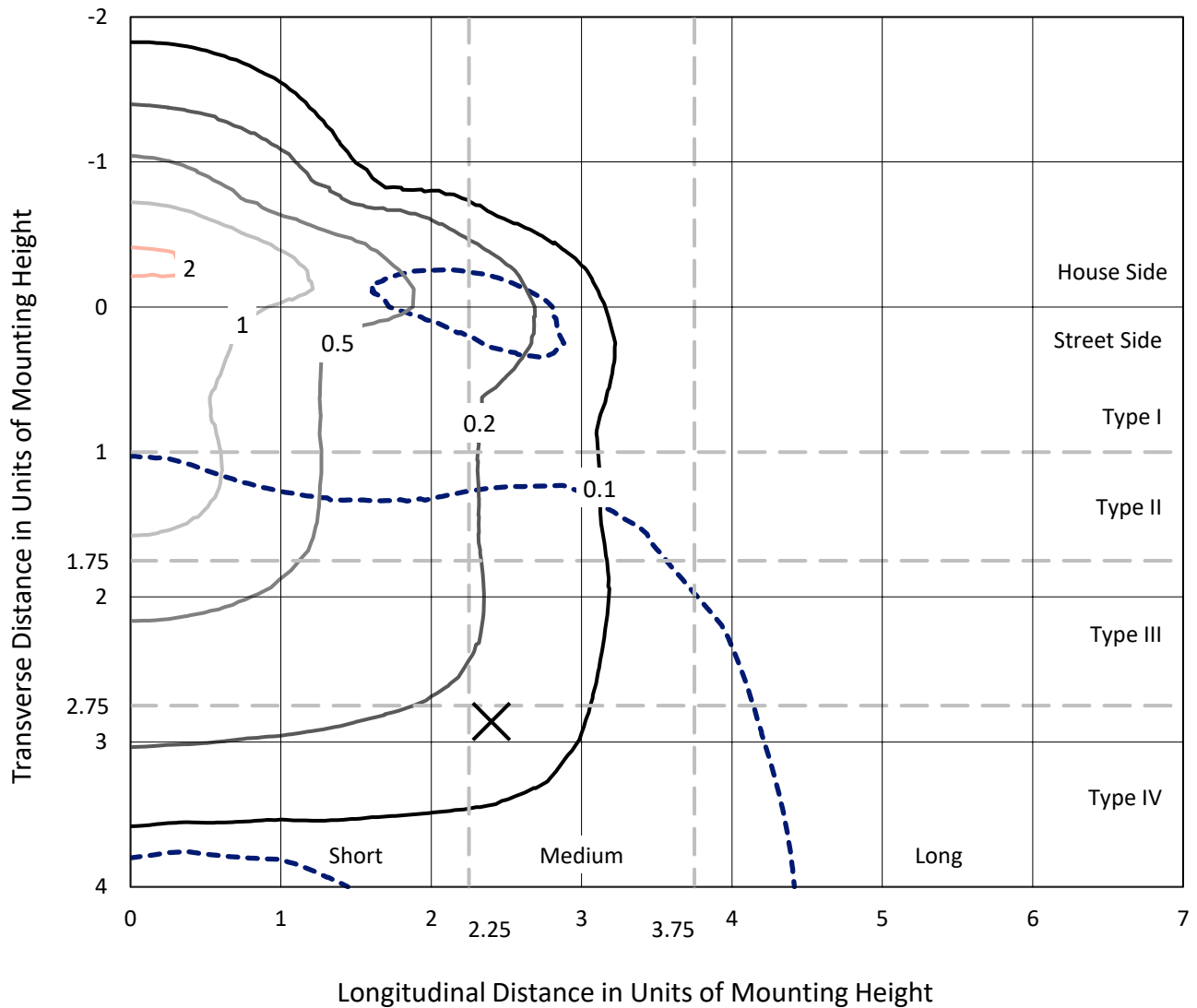
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939852
 CATALOG NUMBER: GALN-SB2C-927-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

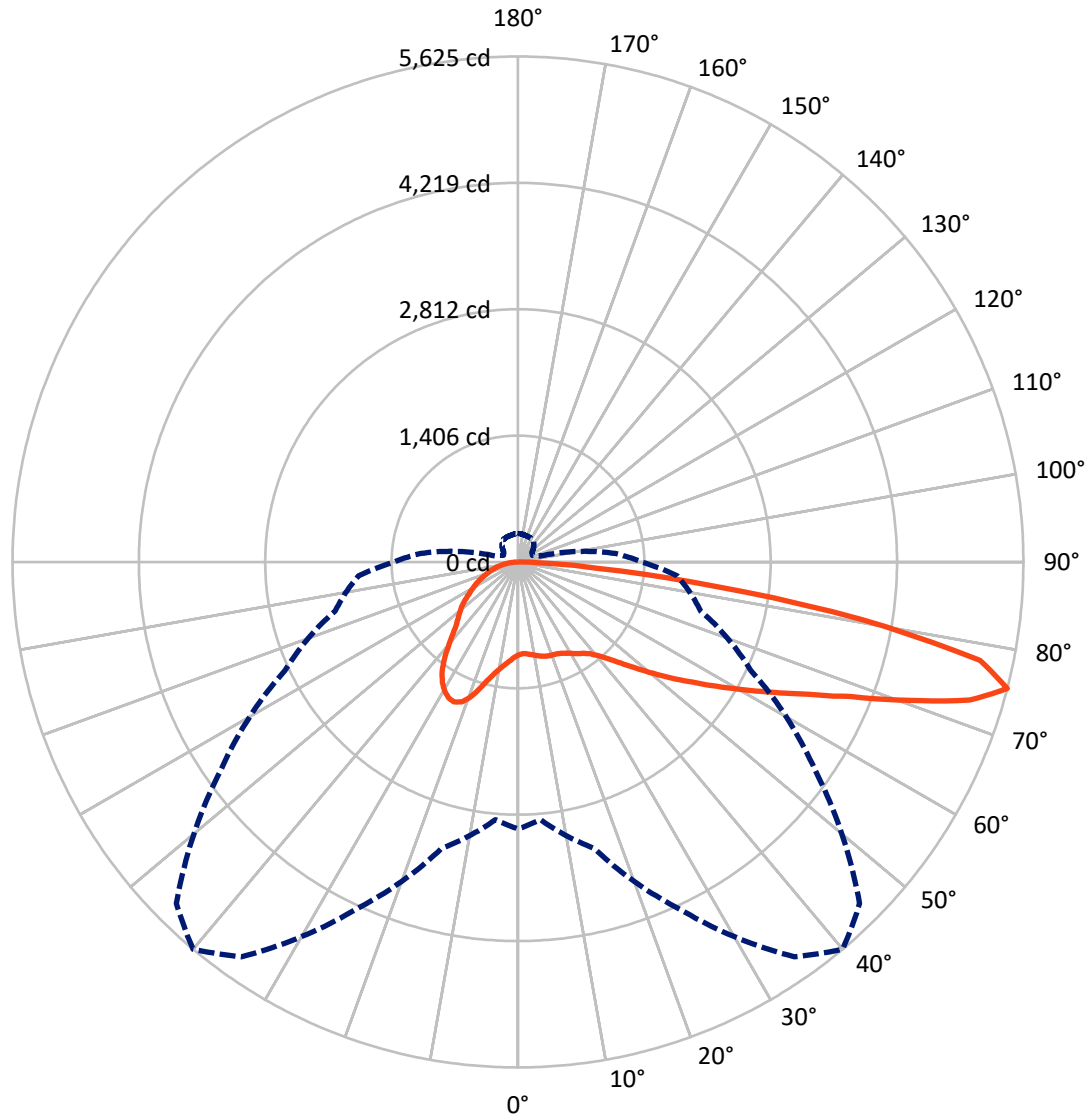
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P939852
CATALOG NUMBER: GALN-SB2C-927-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P939852
 CATALOG NUMBER: GALN-SB2C-927-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2800.0	0.0	2800.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6237.0	0.0	6237.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	9037.0	0.0	9037.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	1.1
10°-20°	346.3	3.8
20°-30°	632.4	7.0
30°-40°	896.9	9.9
40°-50°	1211.0	13.4
50°-60°	1629.2	18.0
60°-70°	2067.8	22.9
70°-80°	1876.7	20.8
80°-90°	273.6	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9037.0	100.0
0°-180°	9037.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939852

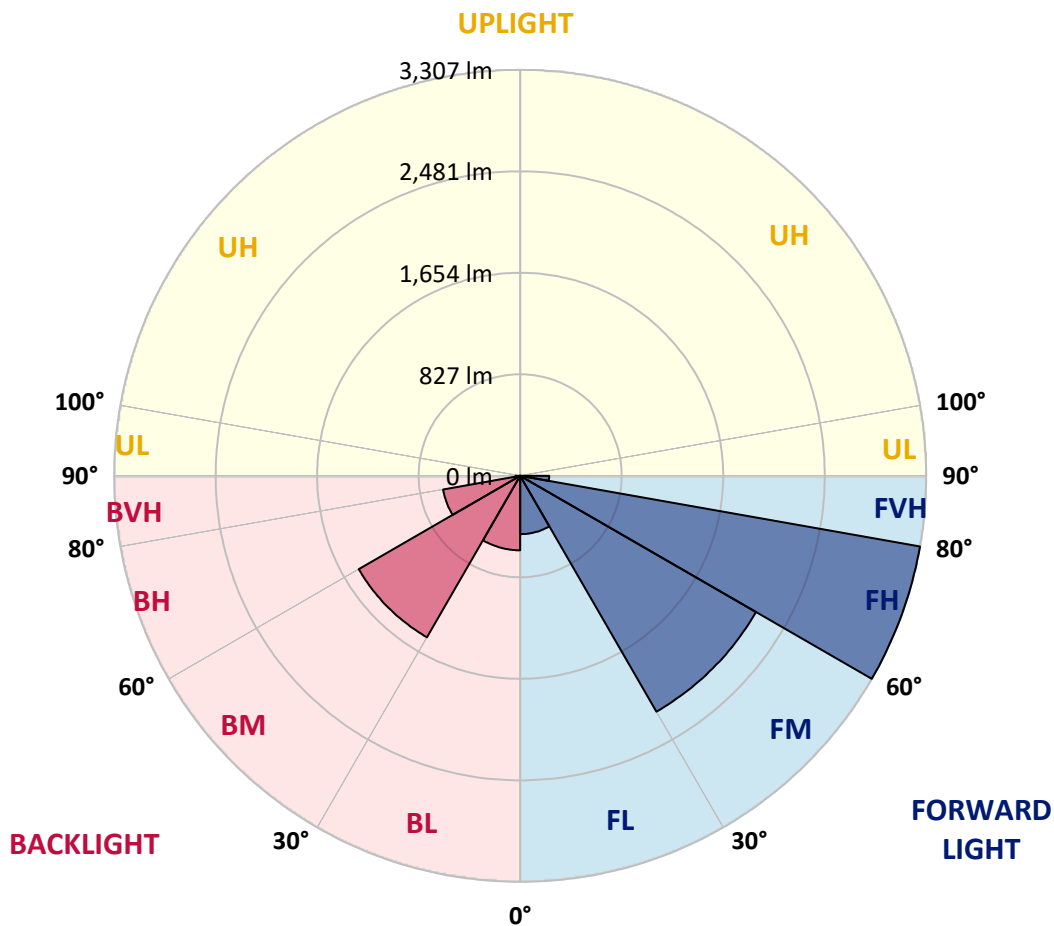
CATALOG NUMBER: GALN-SB2C-927-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.4	5.3			
FM (30°-60°)	2218.4	24.5			
FH (60°-80°)	3307.4	36.6			G2/5000
FVH (80°-90°)	235.9	2.6			G3/500
BL (0°-30°)	606.5	6.7	B2/1000		
BM (30°-60°)	1518.7	16.8	B2/2500		
BH (60°-80°)	637.1	7.0	B2/1000		G2/1000
BVH (80°-90°)	37.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



REPORT NUMBER: P939852

CATALOG NUMBER: GALN-SB2C-927-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4
2.5°	1017.6	1023.3	1021.9	1020.0	1020.0	1020.5	1020.0	1023.3	1026.7	1030.0
5°	1028.1	1033.9	1031.0	1028.6	1026.7	1026.2	1024.8	1024.3	1026.2	1030.5
7.5°	1048.7	1054.5	1050.2	1045.9	1042.0	1040.1	1038.2	1035.3	1033.9	1036.3
10°	1071.7	1077.5	1072.2	1064.5	1058.3	1055.9	1054.0	1051.1	1049.2	1050.6
12.5°	1094.7	1100.5	1093.3	1082.8	1074.6	1073.2	1070.8	1069.8	1069.3	1068.9
15°	1116.3	1121.1	1112.0	1099.5	1090.9	1088.5	1086.1	1087.6	1090.0	1092.8
17.5°	1133.1	1137.9	1124.5	1108.2	1100.0	1099.1	1097.6	1102.4	1109.1	1116.3
20°	1148.4	1153.2	1136.0	1113.9	1104.3	1104.3	1104.8	1114.9	1124.5	1135.0
22.5°	1170.0	1173.8	1152.7	1122.5	1108.6	1109.6	1113.4	1123.5	1135.5	1149.9
25°	1202.1	1205.0	1179.1	1138.8	1123.0	1125.9	1129.3	1134.0	1145.6	1162.3
27.5°	1253.9	1256.3	1222.2	1167.6	1143.6	1148.4	1153.2	1149.9	1155.1	1169.5
30°	1326.7	1328.2	1285.0	1212.7	1178.6	1181.0	1182.0	1168.1	1158.0	1169.5
32.5°	1413.0	1412.5	1361.2	1267.3	1218.4	1216.0	1207.9	1180.5	1157.1	1167.1
35°	1546.7	1541.5	1475.3	1344.0	1263.5	1248.6	1229.4	1194.4	1161.8	1164.7
37.5°	1768.2	1751.9	1660.3	1469.6	1330.6	1292.7	1264.4	1217.0	1172.4	1163.8
40°	2017.9	1997.3	1896.6	1641.6	1431.2	1370.3	1324.8	1249.1	1189.6	1168.1
42.5°	2314.1	2284.9	2176.5	1844.4	1558.7	1470.5	1402.0	1289.8	1215.1	1182.0
45°	2677.9	2639.1	2485.7	2073.0	1719.3	1601.9	1510.3	1351.7	1253.9	1208.8
47.5°	3045.5	3055.1	2837.0	2334.7	1912.0	1763.9	1646.0	1444.6	1310.4	1252.0
50°	3436.2	3442.9	3186.5	2624.7	2130.5	1947.0	1798.4	1548.7	1389.0	1313.3
52.5°	3741.0	3742.0	3503.8	2928.1	2358.2	2148.3	1962.8	1667.5	1480.1	1394.8
55°	3931.8	3929.4	3726.2	3215.2	2619.9	2359.6	2144.9	1802.7	1591.3	1490.7
57.5°	4070.3	4063.1	3879.5	3462.1	2898.9	2609.4	2351.0	1956.1	1722.6	1604.7
60°	4123.0	4118.7	3983.5	3675.4	3192.2	2885.4	2588.8	2127.7	1871.7	1739.4
62.5°	4143.2	4151.3	4085.6	3881.9	3506.2	3191.2	2850.0	2332.8	2039.5	1891.8
65°	4214.1	4229.0	4215.5	4152.3	3860.8	3549.3	3196.5	2576.8	2222.6	2055.3
67.5°	4354.5	4369.4	4375.1	4475.8	4294.1	3995.5	3628.9	2880.7	2436.8	2225.0
70°	4351.2	4346.9	4448.5	4733.2	4836.7	4613.4	4211.7	3254.5	2692.3	2365.9
72.5°	3960.5	3926.0	4166.2	4730.3	5288.2	5258.5	4923.5	3736.7	2912.8	2383.1
75°	2971.2	2879.2	3303.4	4263.0	5363.5	5624.7	5375.9	4035.8	2860.5	2105.6
77.5°	1270.7	1178.1	1678.1	3155.8	4800.3	5258.0	4960.9	3521.0	2283.4	1392.4
80°	332.6	332.2	507.1	1430.7	3264.6	3882.9	3406.5	2273.8	1304.7	497.5
82.5°	137.6	134.2	186.5	556.5	1595.1	2178.9	1778.2	1014.2	471.2	134.7
85°	51.3	50.8	90.6	192.2	562.7	898.7	650.4	259.3	117.4	65.7
87.5°	14.4	13.9	19.7	66.6	137.1	208.0	111.2	42.7	33.1	25.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939852
 CATALOG NUMBER: GALN-SB2C-927-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1033.4	0°	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4	1033.4
1035.3	2.5°	1036.7	1039.1	1043.5	1046.8	1051.1	1055.9	1062.6	1066.9	1071.3	1074.1
1037.7	5°	1041.1	1046.3	1057.4	1068.4	1081.3	1093.3	1107.2	1117.3	1125.4	1127.8
1046.3	7.5°	1050.6	1059.3	1078.0	1096.7	1117.3	1136.9	1157.1	1174.3	1188.2	1193.5
1061.7	10°	1067.4	1078.9	1105.3	1131.7	1159.0	1189.2	1215.1	1240.0	1259.6	1267.8
1079.9	12.5°	1088.5	1102.9	1137.4	1173.8	1211.7	1253.4	1286.9	1317.6	1342.1	1353.1
1105.3	15°	1115.8	1134.5	1178.6	1227.5	1283.1	1341.1	1383.8	1417.8	1445.1	1458.5
1131.7	17.5°	1145.6	1170.5	1226.1	1299.9	1379.5	1455.7	1505.5	1530.4	1558.7	1571.7
1156.1	20°	1174.3	1205.0	1284.6	1391.9	1497.8	1578.8	1619.1	1625.8	1627.7	1629.2
1179.1	22.5°	1204.0	1245.2	1357.9	1507.9	1621.5	1677.6	1683.3	1654.6	1614.3	1595.6
1201.6	25°	1236.6	1291.3	1453.7	1635.9	1727.9	1734.6	1690.5	1620.5	1544.3	1509.3
1219.8	27.5°	1268.3	1344.5	1568.8	1758.1	1804.6	1745.6	1650.7	1551.5	1459.5	1422.6
1232.8	30°	1299.9	1405.3	1695.8	1865.0	1839.6	1718.3	1588.0	1477.2	1384.7	1345.9
1244.3	32.5°	1332.0	1476.3	1842.0	1942.2	1833.4	1660.3	1509.8	1393.8	1312.4	1271.6
1254.4	35°	1368.4	1563.5	1980.5	1984.3	1791.7	1575.0	1406.8	1294.1	1223.2	1190.6
1266.3	37.5°	1415.9	1674.2	2102.7	1994.9	1718.8	1449.9	1278.8	1176.2	1117.8	1102.9
1284.1	40°	1474.8	1807.5	2196.2	1978.1	1611.0	1298.0	1138.8	1056.9	1023.8	1027.2
1308.0	42.5°	1551.5	1956.5	2261.9	1935.0	1460.9	1141.2	1016.1	979.7	995.5	1008.9
1344.0	45°	1651.2	2111.4	2302.6	1861.6	1291.3	1008.5	943.8	952.4	964.4	965.8
1402.0	47.5°	1778.7	2268.1	2329.4	1750.9	1118.2	915.0	897.7	899.7	897.3	887.2
1488.7	50°	1937.9	2420.5	2353.4	1604.3	971.1	856.5	833.5	826.8	793.7	761.1
1604.3	52.5°	2119.0	2560.5	2363.5	1422.1	856.5	807.6	770.3	728.1	666.2	656.2
1749.5	55°	2320.3	2689.9	2337.6	1198.3	760.2	744.8	688.3	637.5	630.8	622.1
1940.7	57.5°	2561.0	2829.4	2284.9	948.6	661.4	671.5	616.4	622.1	610.2	596.7
2186.6	60°	2824.1	2973.6	2192.4	720.9	559.4	580.0	597.7	597.2	593.9	582.8
2445.9	62.5°	3060.9	3068.5	2010.2	552.2	469.7	509.0	557.4	557.0	554.1	547.9
2716.7	65°	3201.8	3054.2	1706.3	434.7	395.9	450.6	502.8	506.6	507.1	506.6
2920.4	67.5°	3176.9	2885.9	1289.3	346.1	335.0	391.1	448.6	453.9	457.7	458.7
2946.3	70°	2895.0	2516.4	840.7	276.1	280.9	338.9	397.3	402.6	406.0	409.8
2556.6	72.5°	2256.6	1850.1	481.2	223.4	233.4	293.8	346.5	352.8	354.7	361.9
1779.2	75°	1375.1	1088.0	259.8	175.9	191.7	251.2	296.2	303.4	306.8	315.4
873.8	77.5°	653.8	471.2	148.1	137.1	154.3	205.1	250.2	258.3	249.2	254.0
241.1	80°	221.0	174.9	93.5	104.5	117.9	160.1	200.4	208.5	189.3	188.4
80.0	82.5°	77.2	70.9	59.4	69.5	76.2	114.6	151.5	162.0	140.9	140.4
35.9	85°	30.2	28.8	33.1	37.9	45.5	70.5	99.7	105.0	86.8	70.0
10.5	87.5°	6.2	6.7	8.1	8.6	13.9	24.4	35.9	44.1	35.0	29.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
1033.4
1072.2
1128.8
1194.0
1268.3
1353.1
1457.6
1571.2
1633.0
1600.9
1514.6
1426.9
1350.2
1276.9
1197.8
1113.4
1038.7
1021.4
975.4
894.9
765.5
659.5
623.6
594.3
579.0
545.5
506.6
459.7
411.7
364.8
316.3
250.2
186.5
133.7
69.0
27.3
0.0

F REPORT)