

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: P947240

Luminaire Tested: **GALN-SB2C-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9239 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

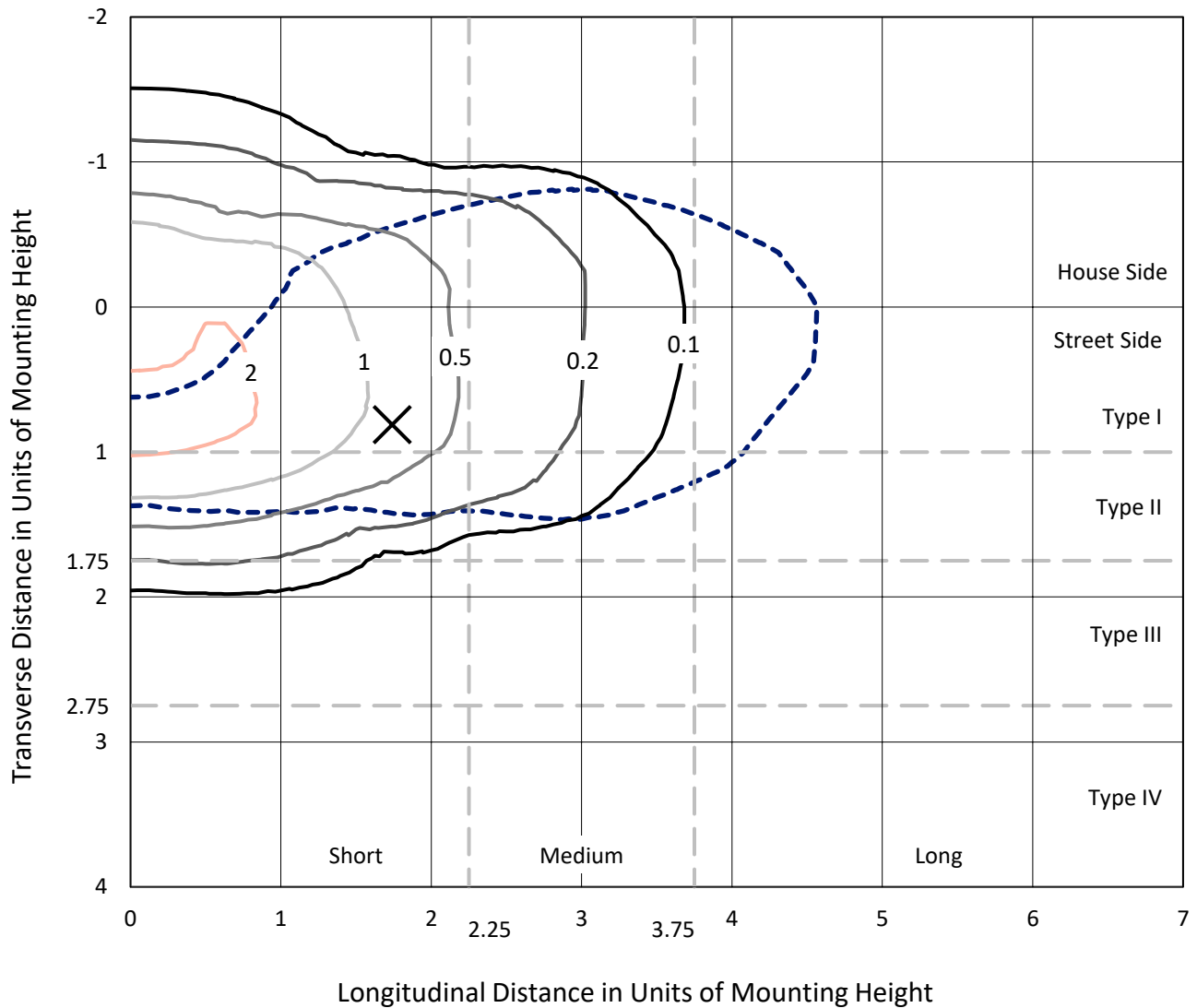
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947240
 CATALOG NUMBER: GALN-SB2C-927-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

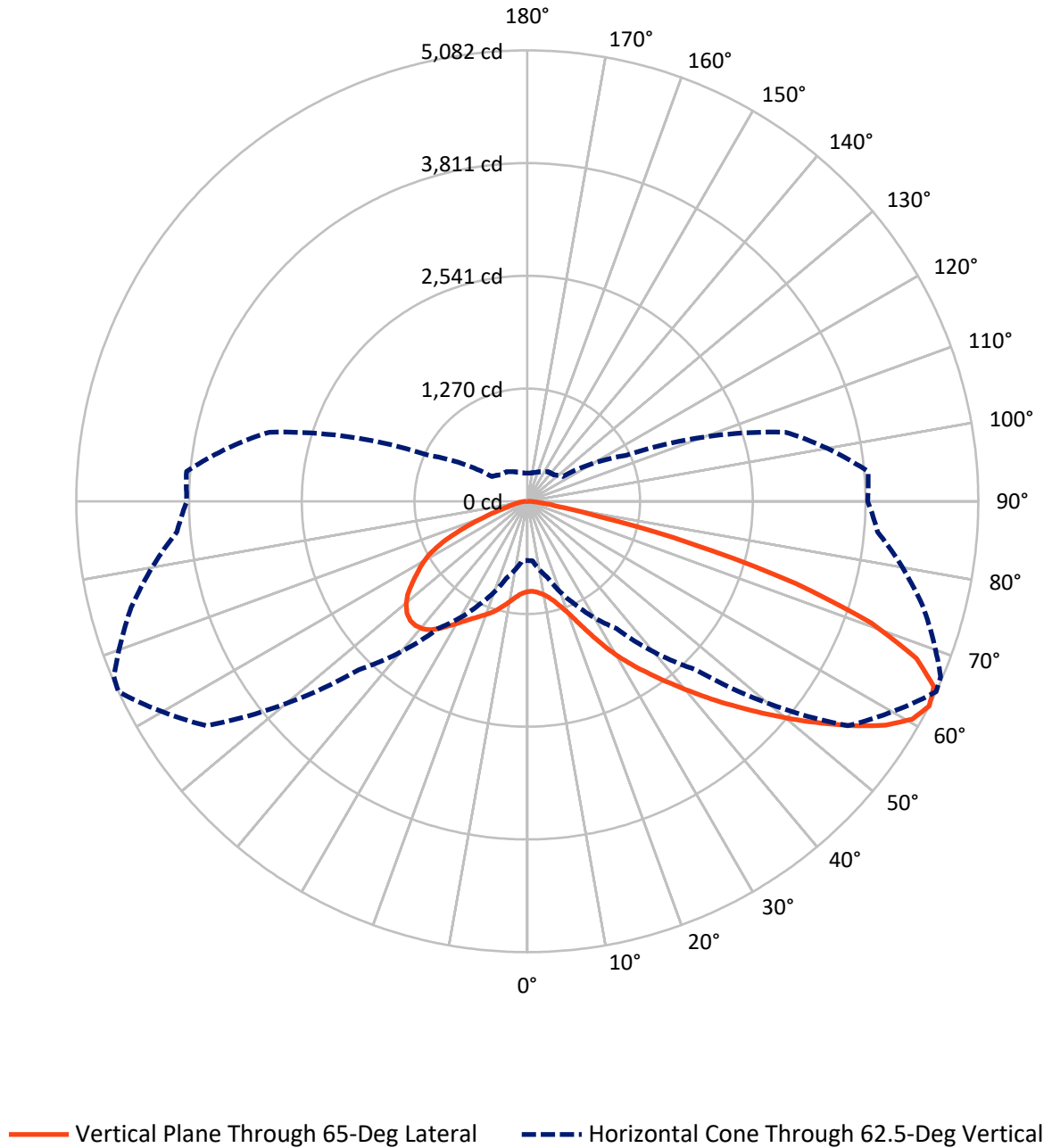
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

REPORT NUMBER: P947240
CATALOG NUMBER: GALN-SB2C-927-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P947240
 CATALOG NUMBER: GALN-SB2C-927-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2915.4	0.0	2915.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6323.6	0.0	6323.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	9239.0	0.0	9239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	1.1
10°-20°	344.2	3.7
20°-30°	697.9	7.6
30°-40°	1207.7	13.1
40°-50°	1827.7	19.8
50°-60°	2142.8	23.2
60°-70°	1796.5	19.4
70°-80°	991.8	10.7
80°-90°	128.8	1.4
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°	9239.0	100.0
0°-180°	9239.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947240

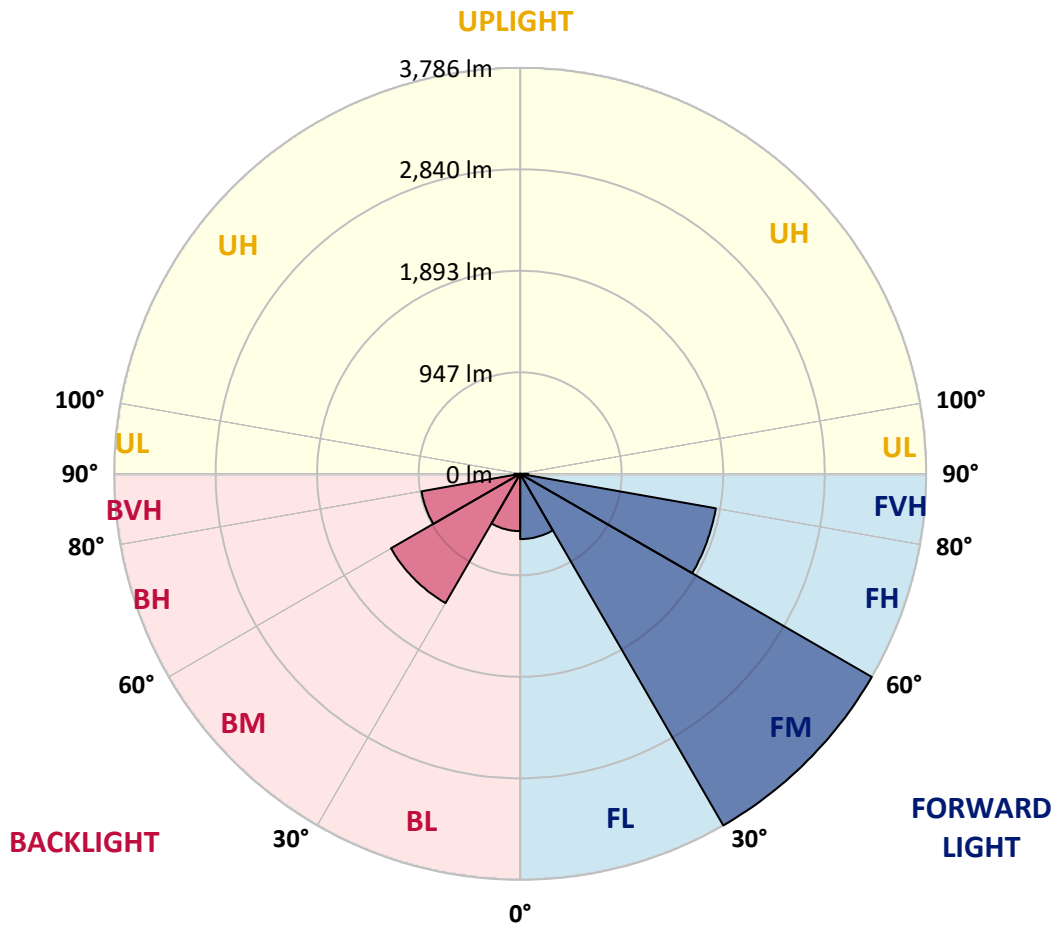
CATALOG NUMBER: GALN-SB2C-927-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.0	6.6			
FM (30°-60°)	3786.4	41.0			
FH (60°-80°)	1853.1	20.1			G2/5000
FVH (80°-90°)	75.1	0.8			G1/100
BL (0°-30°)	534.7	5.8	B2/1000		
BM (30°-60°)	1391.8	15.1	B2/2500		
BH (60°-80°)	935.2	10.1	B2/1000		G2/1000
BVH (80°-90°)	53.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P947240
 CATALOG NUMBER: GALN-SB2C-927-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1
2.5°	1011.4	1008.5	1010.9	1010.9	1011.9	1011.4	1014.7	1015.7	1017.1	1020.0
5°	1001.3	1000.8	1005.2	1009.0	1012.8	1016.2	1020.5	1026.7	1027.7	1031.0
7.5°	998.0	995.1	1001.8	1006.6	1015.7	1023.8	1035.4	1045.9	1050.2	1051.7
10°	1023.8	1019.1	1025.3	1028.2	1035.8	1044.0	1057.4	1074.2	1079.0	1084.7
12.5°	1067.9	1062.7	1071.8	1076.1	1083.3	1090.5	1099.6	1115.9	1118.3	1128.8
15°	1128.3	1122.1	1127.9	1133.1	1145.1	1151.8	1160.9	1176.8	1176.8	1184.9
17.5°	1210.3	1202.2	1206.5	1208.4	1216.1	1226.1	1241.5	1255.4	1262.6	1259.7
20°	1332.5	1322.5	1322.5	1312.9	1310.0	1318.2	1338.3	1357.5	1365.1	1350.3
22.5°	1516.1	1501.7	1493.6	1461.0	1448.1	1449.0	1469.1	1492.6	1498.9	1472.5
25°	1749.6	1727.0	1716.0	1668.1	1638.8	1613.4	1629.2	1659.4	1668.1	1635.5
27.5°	1983.0	1984.4	1973.9	1916.4	1868.0	1821.5	1813.3	1844.9	1854.0	1817.1
30°	2310.4	2276.3	2256.2	2187.2	2118.2	2053.0	2019.4	2032.4	2034.8	1990.7
32.5°	2592.7	2584.1	2540.9	2480.5	2391.9	2289.8	2233.7	2213.1	2209.2	2146.4
35°	2914.3	2909.5	2864.0	2792.1	2696.2	2554.4	2453.2	2394.3	2389.5	2301.3
37.5°	3241.2	3241.2	3196.7	3118.0	3018.8	2841.5	2687.6	2594.1	2578.8	2463.8
40°	3502.0	3486.2	3494.3	3461.2	3347.6	3159.3	2947.9	2812.2	2791.6	2653.6
42.5°	3650.1	3644.8	3693.7	3730.6	3684.1	3533.6	3234.5	3048.5	3019.8	2862.6
45°	3683.2	3677.4	3764.7	3899.8	3965.0	3903.2	3546.1	3297.3	3262.3	3081.1
47.5°	3607.0	3595.5	3723.4	3936.7	4145.7	4254.5	3883.5	3567.2	3516.4	3294.0
50°	3377.8	3366.8	3560.5	3843.8	4206.6	4493.2	4249.7	3853.3	3775.7	3522.1
52.5°	2879.8	2885.1	3188.5	3577.7	4126.6	4641.8	4565.1	4154.8	4061.4	3755.6
55°	2243.3	2254.8	2627.7	3056.2	3806.4	4619.3	4780.4	4465.4	4372.5	3975.1
57.5°	1606.2	1657.0	2006.5	2430.7	3191.4	4262.2	4827.3	4760.7	4670.6	4214.8
60°	1041.1	1050.2	1409.7	1837.3	2430.2	3627.6	4731.9	4984.6	4914.1	4459.2
62.5°	667.2	673.5	892.5	1285.1	1749.1	2683.8	4410.8	5081.9	5060.3	4620.7
65°	490.4	485.6	599.6	849.4	1178.2	1655.1	3787.2	5034.9	5077.5	4721.9
67.5°	409.3	402.6	458.7	588.1	868.1	940.0	2802.2	4729.6	4885.8	4710.4
70°	372.9	367.2	401.2	436.7	677.3	629.4	1412.6	4111.7	4352.3	4579.5
72.5°	315.9	305.8	352.3	387.8	526.8	482.7	583.8	3158.3	3451.7	4160.1
75°	244.9	238.2	278.0	341.3	395.9	376.8	369.1	1917.8	2238.0	3217.3
77.5°	194.1	185.0	221.5	266.0	356.1	284.2	268.9	825.9	1143.2	2053.9
80°	146.2	138.0	168.2	210.4	273.7	214.3	174.0	337.0	430.9	1040.6
82.5°	104.0	96.8	117.4	154.3	184.1	192.2	106.9	188.9	212.3	401.2
85°	66.6	62.3	78.6	96.8	117.0	123.7	65.2	98.7	108.3	165.4
87.5°	36.4	29.7	42.2	45.1	54.2	49.4	31.2	35.9	38.8	59.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947240
 CATALOG NUMBER: GALN-SB2C-927-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1018.1	0°	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1
1020.0	2.5°	1021.9	1023.4	1028.2	1029.6	1033.0	1037.3	1040.1	1043.0	1043.0	1045.9
1035.4	5°	1035.8	1039.2	1049.3	1054.5	1063.2	1071.8	1077.1	1083.3	1087.1	1089.0
1059.8	7.5°	1062.7	1067.9	1082.3	1091.4	1106.3	1118.3	1126.4	1135.1	1137.0	1142.2
1093.8	10°	1099.1	1105.3	1121.6	1138.9	1156.6	1171.5	1179.2	1185.4	1187.8	1188.7
1137.5	12.5°	1140.8	1149.9	1171.0	1192.1	1210.8	1223.7	1225.6	1224.2	1217.5	1211.7
1191.1	15°	1192.1	1200.2	1223.7	1246.7	1265.0	1267.3	1255.4	1247.7	1239.5	1238.1
1251.1	17.5°	1253.4	1257.8	1279.3	1301.9	1303.3	1295.2	1277.4	1270.2	1262.6	1257.3
1329.2	20°	1324.9	1323.4	1338.8	1348.4	1338.3	1313.4	1286.5	1274.5	1266.9	1260.6
1425.0	22.5°	1410.2	1399.2	1397.2	1394.9	1368.0	1315.8	1279.3	1264.0	1252.0	1243.4
1558.8	25°	1534.3	1492.2	1462.9	1446.6	1386.2	1302.8	1256.3	1222.3	1199.8	1184.9
1722.2	27.5°	1689.6	1618.7	1544.9	1505.1	1386.2	1276.5	1200.7	1145.6	1108.7	1093.4
1880.4	30°	1837.8	1763.5	1654.6	1575.6	1382.9	1233.3	1111.1	1034.4	991.3	975.9
2015.6	32.5°	1964.3	1883.3	1771.1	1652.7	1374.7	1163.3	999.9	915.0	873.3	855.1
2149.3	35°	2081.7	1995.5	1888.1	1737.6	1353.1	1060.8	877.7	812.9	766.4	737.2
2285.4	37.5°	2202.0	2099.5	1998.8	1814.3	1314.3	940.9	783.7	728.6	673.9	634.6
2430.2	40°	2332.9	2210.2	2117.2	1859.8	1250.6	826.8	710.8	660.5	602.5	560.8
2597.0	42.5°	2485.8	2343.0	2249.0	1883.3	1163.3	745.8	663.4	614.0	559.4	525.3
2775.8	45°	2645.4	2489.2	2369.3	1882.8	1066.0	708.0	648.1	599.2	538.8	503.3
2959.4	47.5°	2812.7	2642.1	2473.3	1852.1	981.7	713.2	639.4	567.0	500.4	465.9
3144.9	50°	2980.5	2809.4	2574.0	1794.6	945.7	701.7	607.3	522.0	443.4	412.2
3318.9	52.5°	3146.8	2987.2	2660.8	1712.6	909.3	659.1	566.1	463.5	419.9	398.3
3498.6	55°	3314.1	3163.1	2755.2	1593.3	818.2	609.2	497.1	441.5	401.2	381.5
3674.5	57.5°	3481.9	3366.3	2844.8	1473.9	703.7	547.9	459.2	414.6	382.5	365.7
3821.7	60°	3656.3	3598.8	2937.3	1364.2	590.5	469.3	431.4	393.1	360.5	341.8
3963.1	62.5°	3836.1	3854.8	3009.7	1222.8	486.5	421.3	406.5	367.2	335.5	317.8
4080.1	65°	4017.3	4101.6	3057.2	1026.7	394.5	375.8	379.6	338.9	306.8	291.4
4165.9	67.5°	4153.9	4279.5	3043.7	777.0	323.5	332.7	346.1	309.2	279.0	267.0
4152.0	70°	4169.2	4258.4	2911.5	532.1	270.8	290.5	308.7	279.9	248.8	240.1
3956.4	72.5°	3965.0	3970.8	2542.8	347.5	229.1	255.0	269.4	250.2	220.0	211.4
3461.2	75°	3429.6	3283.9	1867.0	229.1	191.7	219.1	232.5	219.1	189.8	191.7
2589.8	77.5°	2598.5	2325.7	1133.6	163.0	160.1	184.1	202.3	192.7	167.8	188.4
1302.3	80°	1338.8	1258.2	505.7	121.7	126.5	147.2	166.3	153.9	132.8	126.5
291.0	82.5°	306.8	356.6	199.4	87.2	91.6	105.9	127.0	115.5	95.4	80.5
121.3	85°	107.4	117.4	88.2	54.6	53.7	66.1	86.3	77.2	64.7	51.8
51.3	87.5°	34.0	44.6	33.1	22.0	23.0	29.7	39.8	36.4	30.2	19.7
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>
1018.1
1045.9
1090.0
1140.3
1186.3
1211.7
1238.1
1257.8
1261.1
1246.3
1190.7
1101.0
985.0
864.2
746.8
645.2
569.0
532.1
509.0
470.7
414.1
398.3
379.6
362.9
340.3
317.3
291.0
267.5
240.6
210.9
185.0
165.8
115.5
79.6
54.6
20.6
0.0

F REPORT)