

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: P940398

Luminaire Tested: **GALN-SB3B-940-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-940-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9270 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

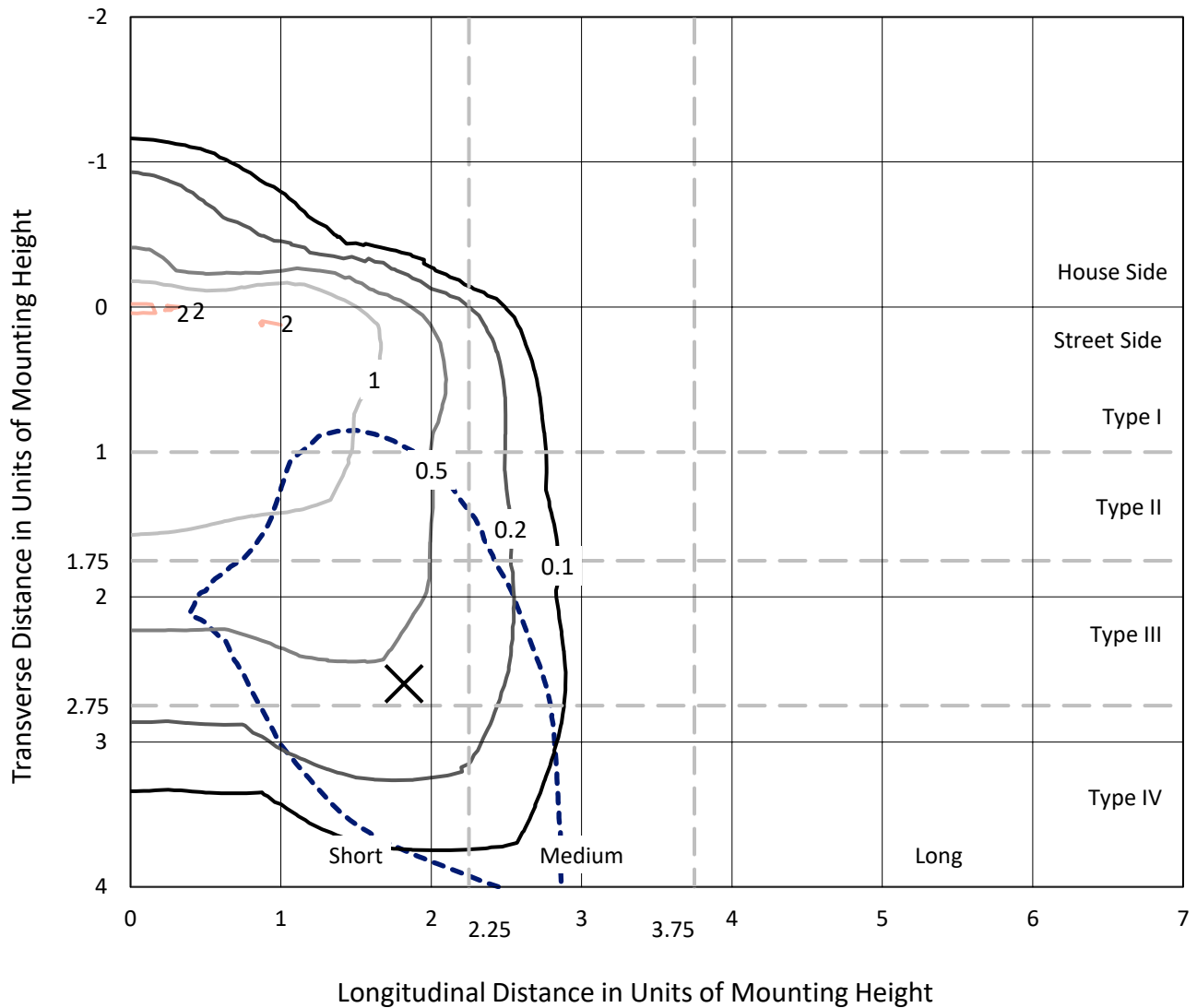
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940398
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

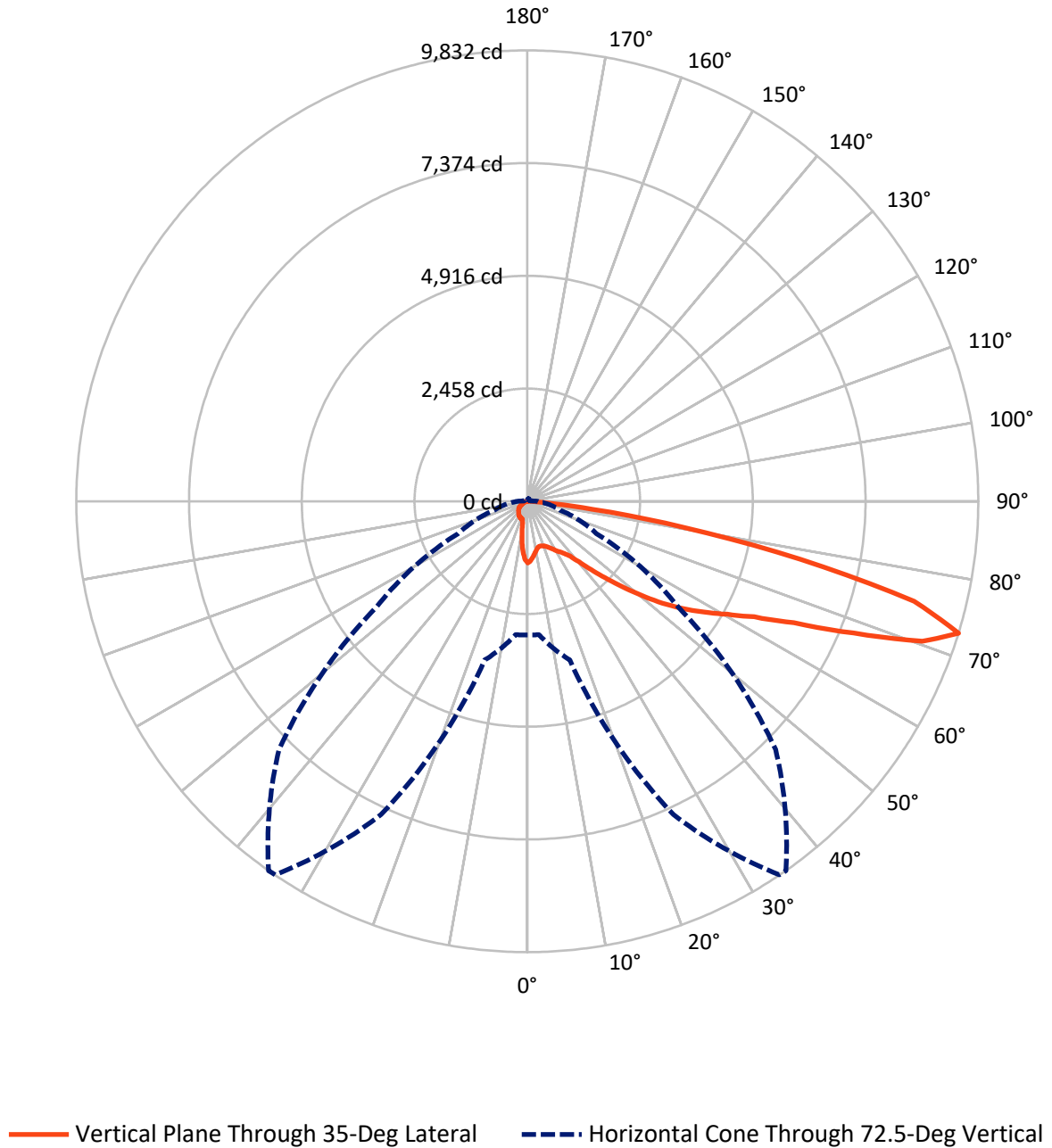
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P940398
CATALOG NUMBER: GALN-SB3B-940-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940398
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1043.3	0.0	1043.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8226.7	0.0	8226.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	9270.0	0.0	9270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	1.2
10°-20°	258.3	2.8
20°-30°	419.6	4.5
30°-40°	700.0	7.6
40°-50°	1324.5	14.3
50°-60°	2104.6	22.7
60°-70°	2603.5	28.1
70°-80°	1618.4	17.5
80°-90°	130.8	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°	9270.0	100.0
0°-180°	9270.0	100.0

Coefficient of Utilization



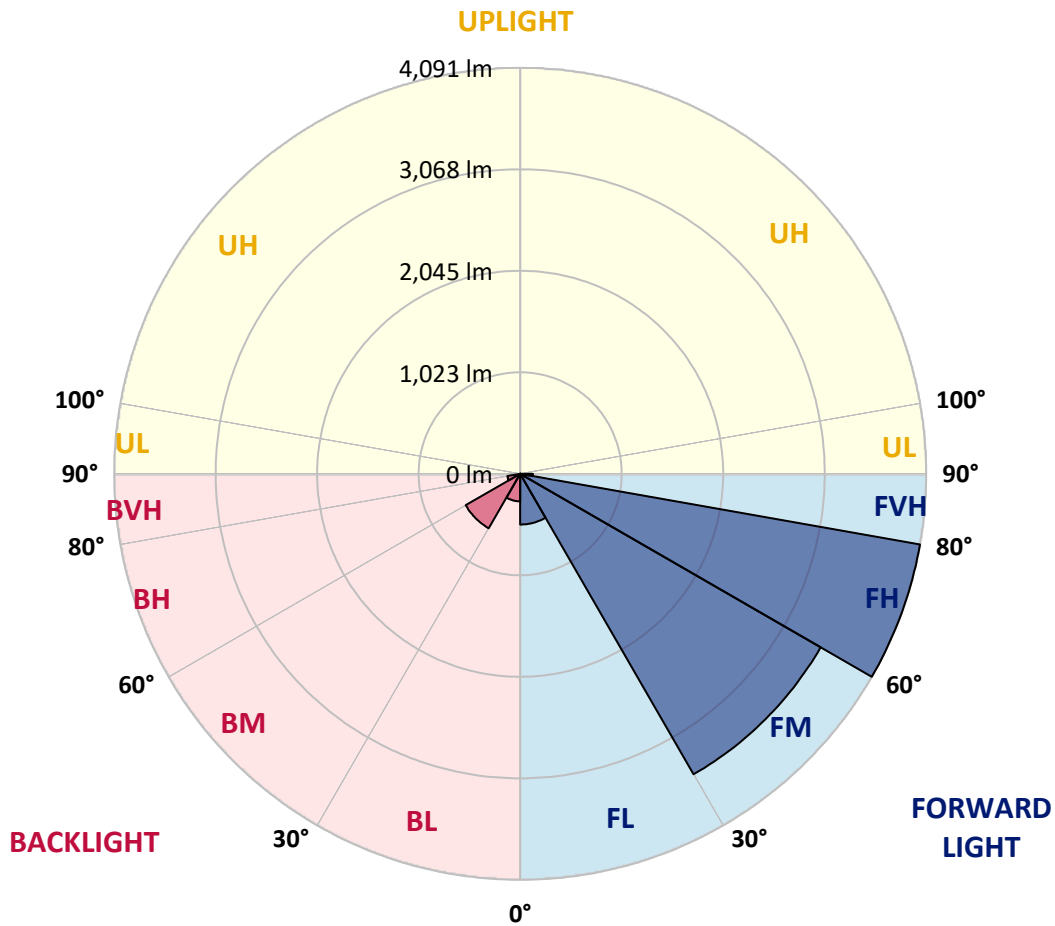
REPORT NUMBER: P940398
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	511.0	5.5			
FM (30°-60°)	3495.7	37.7			
FH (60°-80°)	4091.0	44.1			G2/5000
FVH (80°-90°)	129.0	1.4			G2/225
BL (0°-30°)	277.2	3.0	B1/500		
BM (30°-60°)	633.4	6.8	B1/1000		
BH (60°-80°)	130.9	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P940398
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5
2.5°	1283.8	1294.6	1296.7	1300.1	1300.1	1304.1	1310.9	1320.4	1336.1	1344.2
5°	1183.2	1191.4	1201.6	1209.7	1225.3	1227.4	1253.9	1279.7	1315.7	1342.9
7.5°	1082.0	1091.5	1105.1	1124.8	1145.2	1151.3	1191.4	1234.9	1291.9	1342.9
10°	1010.7	1011.4	1023.6	1043.3	1075.9	1083.4	1132.3	1194.1	1265.4	1334.7
12.5°	970.6	975.4	980.8	995.8	1027.0	1031.8	1084.1	1156.7	1238.9	1329.9
15°	970.6	974.0	977.4	984.9	1010.0	1014.1	1060.3	1133.0	1225.3	1332.0
17.5°	980.8	986.3	983.5	992.4	1018.9	1021.6	1062.3	1126.2	1224.7	1344.9
20°	1005.3	1009.3	1003.9	1009.3	1035.8	1041.3	1083.4	1139.1	1236.2	1367.3
22.5°	1044.0	1046.0	1033.1	1037.2	1064.4	1071.2	1120.1	1175.8	1264.1	1403.3
25°	1092.9	1097.0	1077.3	1082.0	1107.8	1116.0	1172.4	1230.8	1308.2	1452.9
27.5°	1149.3	1151.3	1134.3	1133.6	1166.9	1178.5	1235.5	1298.7	1367.3	1515.4
30°	1213.8	1219.9	1203.6	1200.9	1243.0	1252.5	1308.9	1382.3	1454.2	1609.1
32.5°	1264.7	1269.5	1260.0	1266.8	1309.6	1317.0	1397.9	1500.4	1590.8	1742.2
35°	1338.1	1340.8	1319.1	1331.3	1380.2	1399.2	1519.5	1666.2	1762.6	1909.3
37.5°	1603.7	1603.7	1511.3	1450.9	1497.7	1514.7	1685.9	1874.7	1974.5	2133.5
40°	1971.2	1965.0	1829.9	1706.2	1700.1	1733.4	1922.9	2137.6	2248.3	2402.5
42.5°	2363.1	2353.6	2169.5	2047.2	2026.8	2038.4	2196.7	2461.6	2574.3	2730.5
45°	2710.8	2708.1	2539.7	2375.3	2338.6	2375.3	2538.3	2840.6	2921.4	3085.8
47.5°	3002.2	3002.2	2879.3	2772.0	2753.0	2774.7	3000.9	3261.0	3253.6	3464.1
50°	3337.8	3335.1	3218.2	3172.0	3191.7	3222.3	3533.4	3703.9	3597.2	3835.7
52.5°	3572.8	3589.1	3549.0	3541.5	3642.1	3695.1	4074.1	4137.2	3904.9	4188.2
55°	3758.9	3777.9	3824.1	3876.4	4070.0	4139.3	4597.8	4548.2	4162.4	4493.8
57.5°	4022.5	3995.3	4066.6	4169.8	4483.0	4566.5	5105.2	4936.0	4369.5	4741.8
60°	4342.4	4346.4	4358.7	4489.1	4895.3	5002.6	5605.1	5302.8	4502.7	4893.9
62.5°	4726.8	4732.9	4758.1	4958.4	5448.9	5550.1	6137.6	5603.0	4563.8	4851.1
65°	4700.3	4726.1	5006.7	5692.0	6290.4	6390.3	6759.1	5813.6	4471.4	4459.9
67.5°	4281.9	4324.0	4793.4	6568.2	7559.2	7670.6	7510.3	5855.0	4072.7	3468.2
70°	3733.1	3748.0	4312.5	7356.2	9028.4	9141.2	8182.8	5399.3	3090.5	1934.5
72.5°	2915.3	2918.7	3580.9	7538.9	9825.9	9832.0	7655.0	4008.2	1662.1	743.1
75°	2082.5	2062.2	2398.4	6113.8	8644.7	8714.0	5738.9	1880.1	635.1	351.2
77.5°	1116.7	1139.1	1357.1	3625.8	5971.9	6090.1	3131.3	542.0	323.3	239.1
80°	345.1	364.1	556.3	1660.1	3382.6	3453.9	1160.8	241.1	225.5	170.5
82.5°	108.7	112.8	259.5	697.6	1404.0	1436.6	336.2	136.5	154.2	112.8
85°	31.2	31.9	115.5	260.1	347.1	353.9	94.4	53.0	88.3	70.0
87.5°	3.4	10.9	43.5	43.5	30.6	29.9	10.2	11.5	25.1	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940398
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1343.5	0°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5
1349.6	2.5°	1346.3	1346.9	1338.1	1323.2	1306.9	1293.3	1276.3	1262.7	1253.2	1250.5
1361.9	5°	1355.8	1351.0	1325.9	1280.4	1226.0	1179.2	1126.9	1085.4	1058.3	1046.7
1374.8	7.5°	1370.0	1356.4	1301.4	1211.8	1107.8	1015.5	921.7	849.0	802.9	779.8
1387.0	10°	1382.3	1355.1	1260.7	1112.6	953.7	813.7	687.4	599.8	550.9	527.8
1401.3	12.5°	1393.8	1354.4	1207.7	995.1	779.8	608.6	491.1	447.6	434.0	429.3
1424.4	15°	1415.5	1356.4	1141.1	860.6	606.6	459.8	417.1	416.4	419.1	417.7
1459.7	17.5°	1445.4	1358.5	1065.7	718.0	468.0	405.5	403.5	409.6	413.7	411.6
1503.8	20°	1484.1	1366.6	985.6	576.7	402.1	391.9	396.7	402.1	405.5	402.1
1562.9	22.5°	1538.5	1380.9	898.0	463.2	381.1	383.8	387.8	394.0	397.4	392.6
1638.3	25°	1605.0	1403.3	811.7	402.8	370.9	374.3	380.4	387.2	391.2	386.5
1733.4	27.5°	1691.3	1439.3	732.2	389.2	360.7	362.7	371.5	381.7	387.2	381.1
1868.6	30°	1816.3	1498.4	663.6	395.3	354.6	349.8	362.0	376.3	382.4	377.0
2052.7	32.5°	1982.0	1581.9	621.5	404.8	351.8	334.9	346.4	364.8	374.9	371.5
2293.1	35°	2199.4	1709.0	605.2	415.7	349.8	319.2	327.4	347.1	364.8	368.1
2596.0	37.5°	2462.9	1885.6	610.0	420.4	343.7	306.3	310.4	327.4	350.5	361.4
2937.0	40°	2762.5	2091.4	637.1	415.7	336.9	295.5	296.1	309.1	329.4	345.7
3303.8	42.5°	3071.5	2331.8	687.4	398.0	330.8	286.0	283.9	292.8	306.3	317.9
3669.9	45°	3365.6	2579.1	737.0	373.6	323.3	276.5	271.7	275.1	277.8	282.6
4026.5	47.5°	3622.4	2753.0	722.7	351.2	313.1	265.6	257.4	256.1	247.9	247.2
4345.1	50°	3799.7	2791.0	641.9	328.8	298.2	253.4	240.5	232.3	218.0	211.2
4583.5	52.5°	3856.0	2640.9	524.4	306.3	273.7	237.1	218.7	205.8	188.1	182.0
4720.7	55°	3781.3	2346.8	419.1	279.2	239.8	215.3	194.9	178.0	163.7	156.2
4735.7	57.5°	3598.6	1972.5	331.5	247.2	203.8	190.9	170.5	153.5	141.3	133.8
4569.9	60°	3295.7	1566.3	262.2	209.2	173.9	164.4	143.3	132.5	121.6	112.8
4142.0	62.5°	2835.8	1118.0	205.8	165.7	145.4	134.5	122.3	114.1	101.2	89.0
3372.4	65°	2213.0	684.0	158.9	121.6	116.8	111.4	103.9	96.5	80.8	68.6
2200.1	67.5°	1395.8	324.0	113.4	91.7	92.4	89.7	86.3	80.2	68.6	57.7
985.6	70°	614.7	156.9	74.7	70.0	68.6	68.6	71.3	69.3	58.4	48.2
342.3	72.5°	209.2	84.2	55.7	53.0	49.6	48.9	59.8	57.7	46.9	37.4
170.5	75°	109.4	56.4	40.8	38.0	29.9	36.0	47.5	44.8	33.3	24.5
112.8	77.5°	71.3	40.1	27.8	24.5	17.0	23.8	35.3	31.2	19.7	12.2
74.0	80°	44.8	26.5	16.3	11.5	8.2	12.9	19.0	13.6	7.5	2.7
43.5	82.5°	23.8	13.6	6.1	4.1	3.4	4.1	4.8	3.4	1.4	0.0
22.4	85°	9.5	4.8	2.0	1.4	0.7	0.0	1.4	0.7	0.0	0.0
4.1	87.5°	3.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
1343.5
1255.2
1050.8
783.2
528.4
427.9
417.1
410.9
401.4
391.9
385.8
381.1
376.3
371.5
368.1
364.1
351.2
322.6
285.3
246.6
211.9
181.4
156.2
132.5
110.7
86.9
66.6
56.4
46.2
35.3
22.4
10.9
2.0
0.0
0.0
0.0
0.0

F REPORT)