

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: P945803

Luminaire Tested: **GALN-SB1C-927-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3672 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

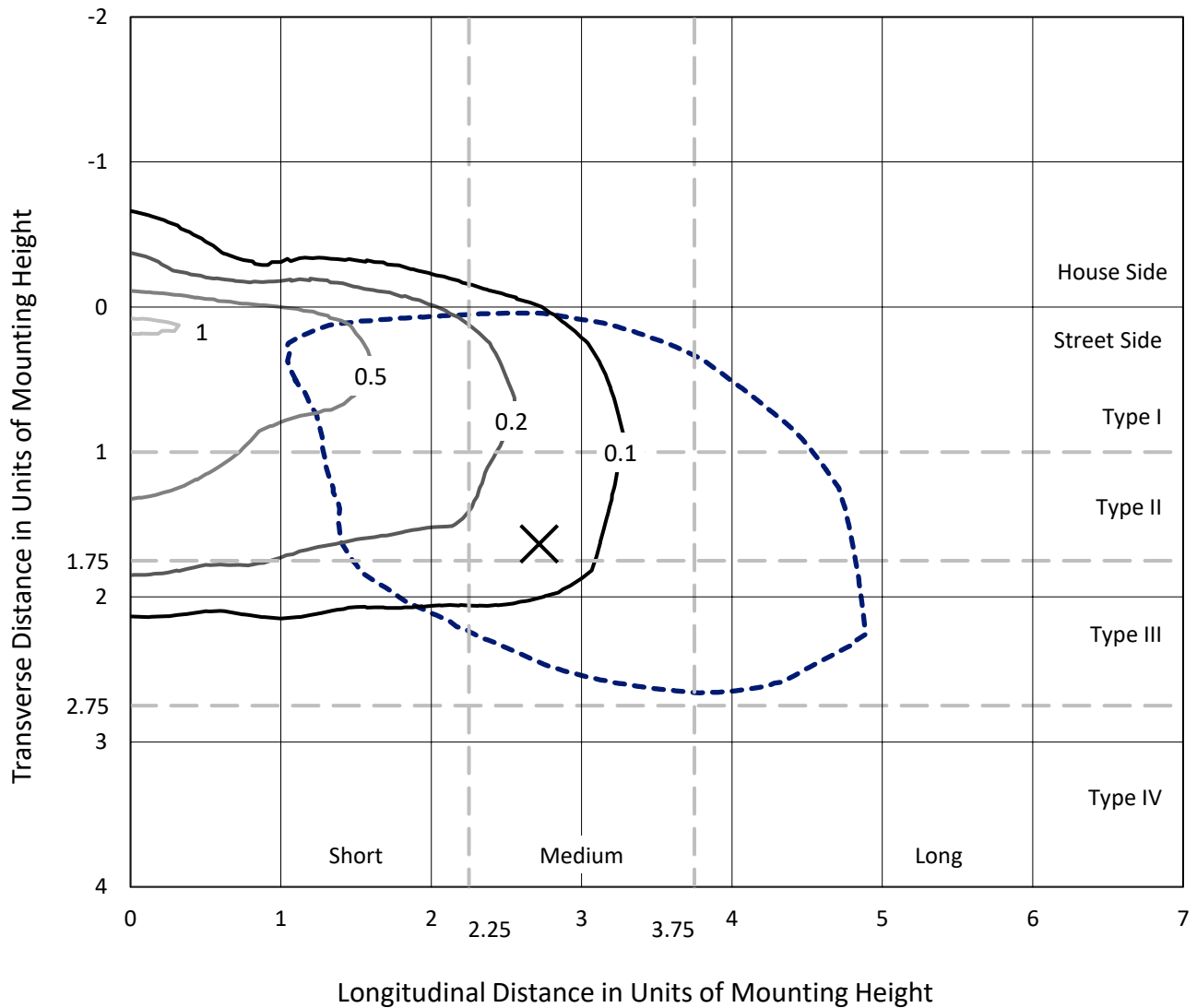
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945803
 CATALOG NUMBER: GALN-SB1C-927-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

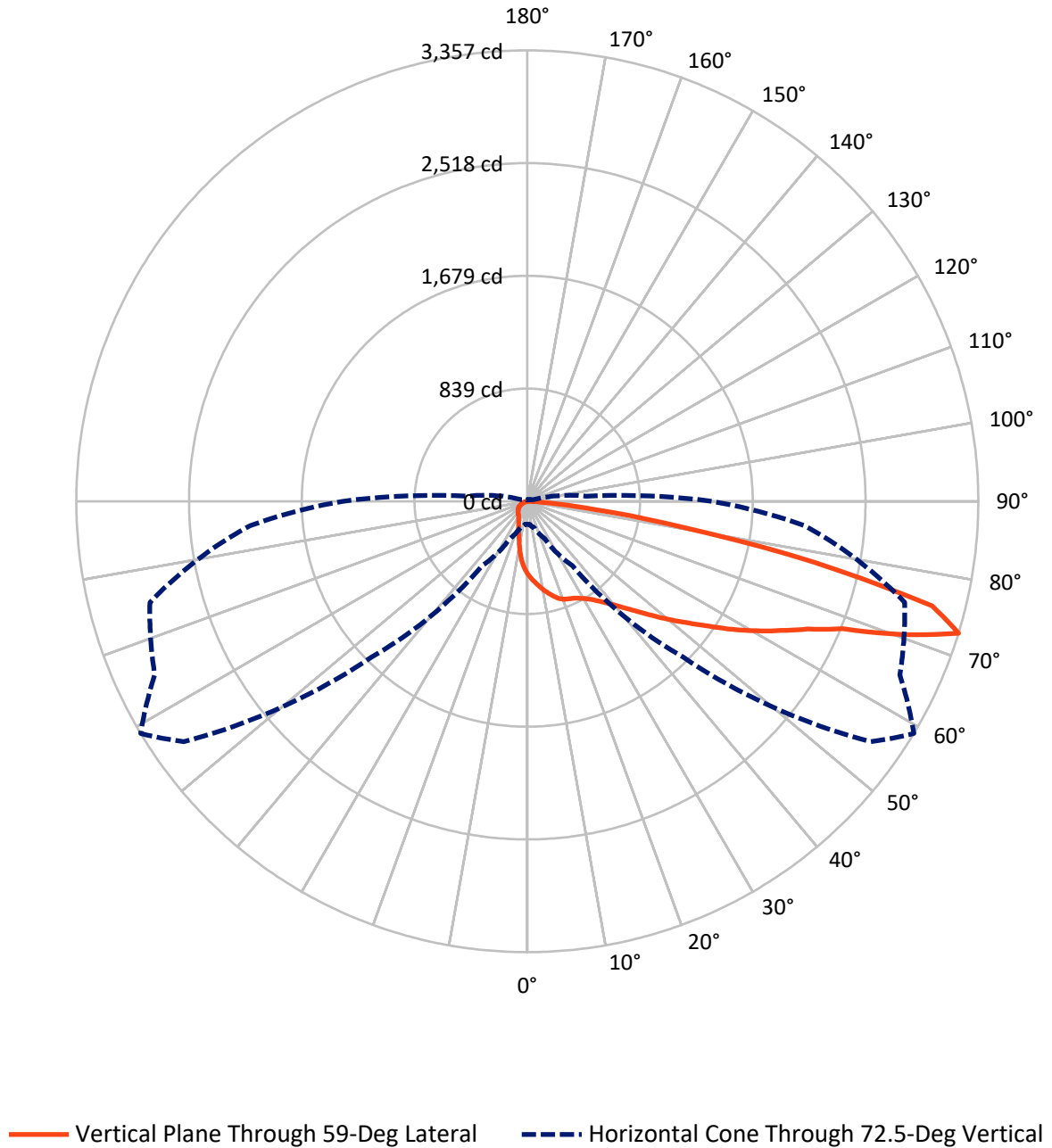
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P945803
CATALOG NUMBER: GALN-SB1C-927-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P945803
 CATALOG NUMBER: GALN-SB1C-927-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.8	0.0	387.8
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	3284.2	0.0	3284.2
	% Fixture	89.4	0.0	89.4
Total	Lumens	3672.0	0.0	3672.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.3
10°-20°	130.5	3.6
20°-30°	206.8	5.6
30°-40°	331.9	9.0
40°-50°	530.1	14.4
50°-60°	767.5	20.9
60°-70°	910.8	24.8
70°-80°	676.2	18.4
80°-90°	69.1	1.9
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°	3672.0	100.0
0°-180°	3672.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945803

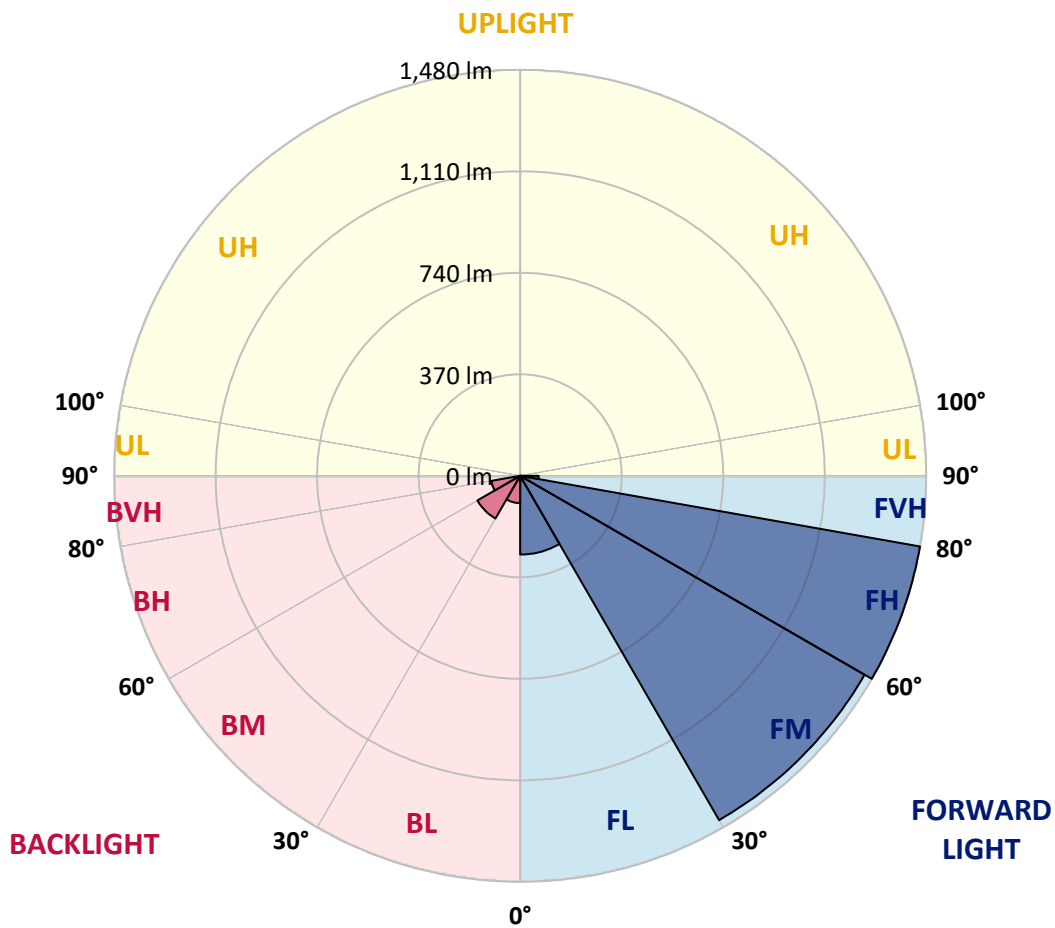
CATALOG NUMBER: GALN-SB1C-927-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.1	7.8			
FM (30°-60°)	1449.7	39.5			
FH (60°-80°)	1480.0	40.3			G1/1800
FVH (80°-90°)	67.4	1.8			G1/100
BL (0°-30°)	99.4	2.7	B0/110		
BM (30°-60°)	179.8	4.9	B0/220		
BH (60°-80°)	107.0	2.9	B0/110		G0/110
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



REPORT NUMBER: P945803
 CATALOG NUMBER: GALN-SB1C-927-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	602.5	599.1	599.6	593.8	589.7	585.4	577.0	575.8	569.9	559.3
5°	655.0	652.8	650.9	644.4	636.0	625.5	611.3	606.3	595.3	577.0
7.5°	693.3	690.7	691.6	685.2	678.5	666.7	647.3	637.9	623.3	595.5
10°	700.7	699.3	705.5	707.9	707.9	700.5	681.6	672.2	650.9	615.4
12.5°	659.0	659.3	674.9	693.6	718.0	725.0	712.3	702.2	681.1	636.5
15°	610.4	610.6	625.7	649.7	689.7	729.8	739.8	733.4	711.5	659.3
17.5°	581.1	579.9	590.0	609.6	651.6	707.9	756.6	760.9	743.2	684.4
20°	577.0	574.9	580.2	590.0	620.0	680.6	758.5	778.9	775.8	713.0
22.5°	602.0	598.6	595.7	596.2	608.9	657.8	753.7	789.0	809.3	747.3
25°	651.4	646.1	636.7	624.8	622.1	653.0	750.4	800.0	840.5	791.1
27.5°	711.8	704.3	686.4	668.4	653.0	666.5	757.3	817.5	875.8	842.2
30°	778.2	769.1	751.1	717.0	692.6	696.4	773.9	840.5	920.8	900.0
32.5°	875.8	854.7	823.3	771.2	738.9	728.8	798.8	869.8	976.7	976.9
35°	959.4	947.7	916.0	851.3	784.9	771.7	831.6	911.0	1054.1	1078.8
37.5°	1014.3	998.3	970.5	921.8	856.3	815.8	875.5	961.6	1136.1	1194.8
40°	1075.7	1059.9	1023.0	977.2	939.3	891.6	930.9	1019.8	1226.0	1314.0
42.5°	1149.8	1129.2	1085.5	1036.1	996.6	991.3	1003.3	1092.5	1318.3	1443.4
45°	1236.8	1217.4	1167.3	1104.9	1070.2	1060.8	1094.4	1177.1	1421.2	1585.4
47.5°	1318.3	1295.8	1241.8	1185.0	1146.4	1116.9	1191.2	1277.1	1537.7	1733.8
50°	1387.6	1364.6	1315.2	1254.5	1228.4	1189.8	1286.4	1388.5	1653.2	1884.6
52.5°	1435.1	1414.7	1356.7	1315.4	1297.7	1278.3	1397.9	1506.7	1768.3	2022.6
55°	1424.3	1406.0	1355.0	1352.1	1350.9	1371.3	1531.2	1640.8	1885.5	2153.3
57.5°	1390.0	1369.4	1305.6	1349.5	1391.9	1454.2	1675.5	1799.2	2014.0	2276.5
60°	1289.1	1281.9	1243.0	1344.4	1409.2	1535.5	1840.5	1958.4	2153.1	2384.9
62.5°	1075.5	1081.7	1081.4	1355.0	1440.3	1628.0	1990.3	2119.5	2289.0	2489.2
65°	805.3	826.8	854.4	1260.1	1482.0	1793.2	2169.4	2294.3	2427.1	2610.5
67.5°	541.1	558.3	577.0	1033.7	1357.9	1966.8	2466.9	2533.8	2592.5	2745.0
70°	309.7	315.3	341.4	645.6	1046.7	1918.8	2951.4	2975.6	2839.2	2910.6
72.5°	173.6	171.7	206.2	306.4	585.0	1643.1	3121.1	3357.3	3060.0	2908.0
75°	116.0	116.3	141.9	193.2	228.0	1150.3	2689.6	3113.0	2927.7	2578.6
77.5°	79.1	81.7	104.3	149.4	105.5	561.2	1779.3	2180.6	2370.3	1991.2
80°	34.3	34.5	68.8	107.2	71.2	178.6	922.5	1168.2	1486.6	1118.1
82.5°	17.7	20.1	43.9	69.3	44.8	62.6	435.8	510.4	623.8	328.2
85°	6.2	7.4	27.1	34.0	22.5	22.3	151.8	154.6	132.1	49.4
87.5°	0.0	1.2	10.5	8.4	2.9	2.6	18.0	15.1	12.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945803
 CATALOG NUMBER: GALN-SB1C-927-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
543.0	0°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
548.5	2.5°	543.5	537.0	526.5	513.5	498.4	490.3	478.5	471.3	464.8	465.1
555.9	5°	544.2	533.4	506.6	478.0	446.4	423.1	397.2	379.0	365.1	361.8
563.6	7.5°	546.4	528.1	484.3	436.8	384.1	345.0	309.3	286.7	274.0	270.7
571.5	10°	549.2	522.4	459.1	386.5	321.0	274.0	244.3	229.9	224.2	219.8
581.6	12.5°	551.6	516.4	427.4	334.4	264.9	228.2	205.7	193.7	188.7	185.6
593.3	15°	555.7	508.5	393.2	286.0	227.0	197.1	175.7	166.9	165.4	165.9
606.3	17.5°	559.8	500.8	354.8	248.1	199.2	169.7	156.8	155.3	157.3	159.2
621.2	20°	564.3	489.8	316.0	219.6	173.6	150.8	147.4	148.4	149.4	152.7
641.5	22.5°	571.1	475.9	281.9	195.4	152.2	141.7	140.0	140.7	141.4	144.8
668.4	25°	580.6	461.0	254.4	173.1	138.8	134.3	132.6	132.6	133.5	136.6
699.5	27.5°	590.7	439.9	232.1	152.5	130.9	126.1	123.2	123.2	124.4	128.0
738.6	30°	602.0	420.7	214.6	137.1	124.2	117.9	114.1	113.2	114.6	119.1
795.2	32.5°	622.4	408.3	202.1	129.9	118.2	110.5	105.2	102.6	104.0	109.3
874.3	35°	653.3	405.4	193.5	126.3	112.4	103.8	96.4	92.3	93.5	99.0
971.9	37.5°	689.5	411.4	185.1	121.5	106.9	97.3	87.5	82.2	84.1	89.2
1083.4	40°	741.5	436.3	178.6	117.9	101.4	89.7	78.6	73.4	76.5	80.8
1199.4	42.5°	804.3	480.7	176.9	114.6	94.7	81.5	70.5	66.6	69.0	73.1
1316.6	45°	882.2	537.2	184.6	110.3	87.3	73.6	64.0	61.9	62.6	66.6
1427.4	47.5°	965.9	595.3	205.7	106.4	80.8	67.1	59.0	57.1	56.6	60.4
1528.6	50°	1050.5	646.8	230.6	103.6	76.2	61.9	55.1	52.7	51.5	53.9
1628.5	52.5°	1134.2	687.8	246.9	98.8	71.7	56.6	51.8	48.2	46.0	47.2
1728.0	55°	1219.1	723.8	247.9	91.6	67.4	53.2	48.4	44.4	41.7	41.7
1823.9	57.5°	1298.4	755.4	233.7	82.0	61.4	50.1	43.9	40.5	37.6	36.7
1909.0	60°	1368.7	778.9	210.2	71.2	56.1	46.0	39.3	36.7	33.1	31.2
1984.8	62.5°	1431.2	790.4	178.1	60.2	49.6	41.2	35.0	32.1	27.3	24.9
2061.7	65°	1484.2	778.7	144.6	49.9	44.1	36.0	30.0	27.1	21.8	18.9
2148.3	67.5°	1536.7	725.0	109.3	42.0	38.4	30.2	24.7	22.1	18.2	15.8
2211.3	70°	1543.4	612.0	76.5	35.2	31.9	23.3	19.9	18.2	14.9	12.7
2070.6	72.5°	1373.9	440.4	46.5	28.8	24.9	16.5	15.8	14.4	11.0	9.6
1691.8	75°	1098.2	269.9	27.3	21.6	16.5	11.7	11.7	10.3	7.4	6.2
1168.0	77.5°	759.0	141.2	16.1	13.9	9.8	7.0	7.7	6.2	3.6	2.9
462.7	80°	304.0	53.7	8.6	6.5	4.6	3.1	2.6	1.4	0.7	0.5
94.9	82.5°	60.7	14.1	2.9	1.7	1.7	0.7	0.0	0.0	0.0	0.0
26.1	85°	15.6	3.1	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.0
8.6	87.5°	4.8	0.0	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>
543.0
470.4
366.8
274.0
222.5
187.2
166.6
159.9
153.7
145.8
137.8
129.5
120.3
110.8
100.7
90.6
81.5
73.8
68.6
62.8
54.9
48.2
42.2
36.9
30.7
24.7
18.9
15.8
12.5
9.3
6.2
2.9
0.7
0.0
0.0
0.0
0.0

F REPORT)