

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: P940238

Luminaire Tested: **GALN-SB3A-950-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940238  
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-SB3A-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

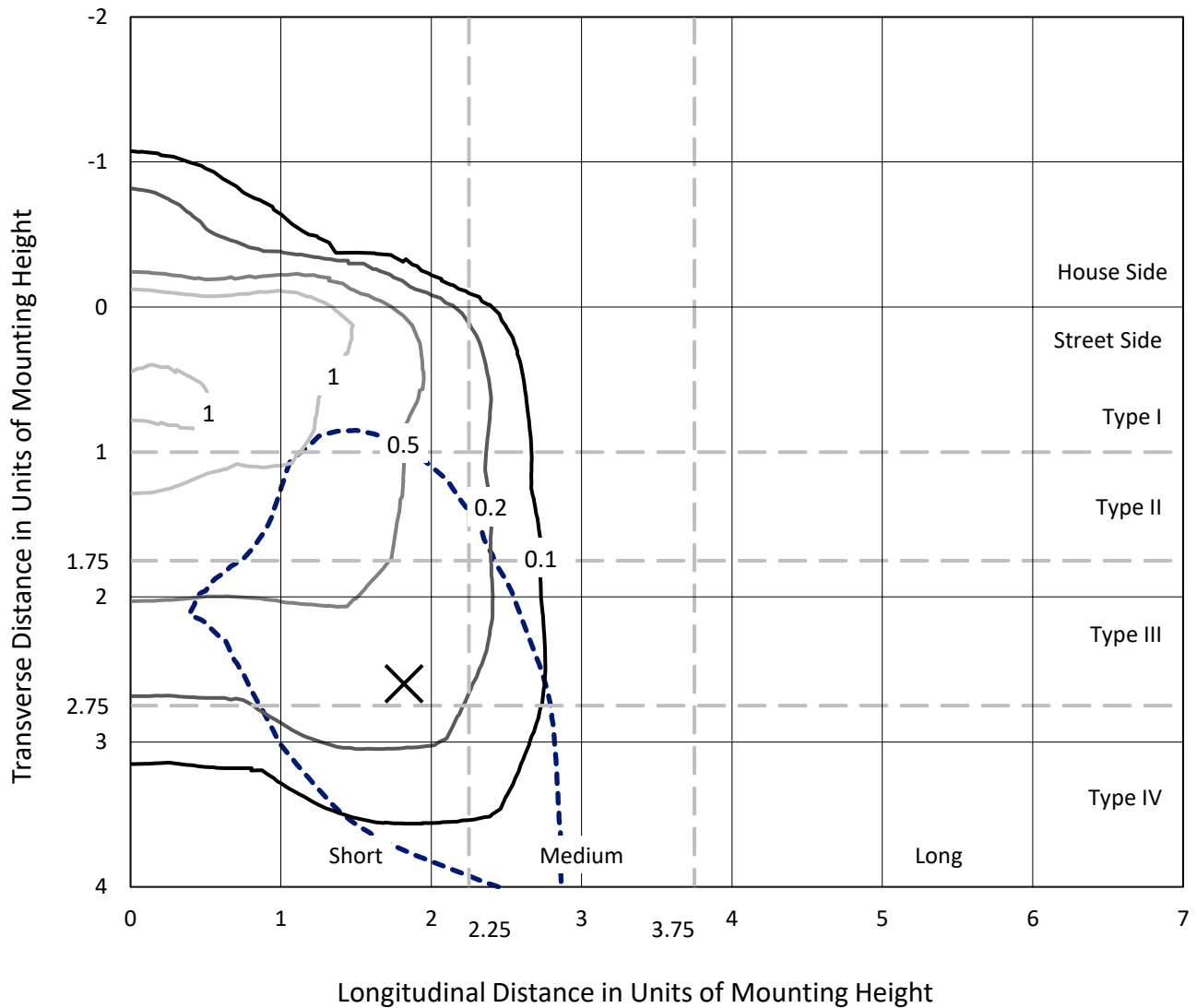
Lumens per Lamp: N/A  
Luminaire Lumens: 7089 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P940238  
 CATALOG NUMBER: GALN-SB3A-950-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

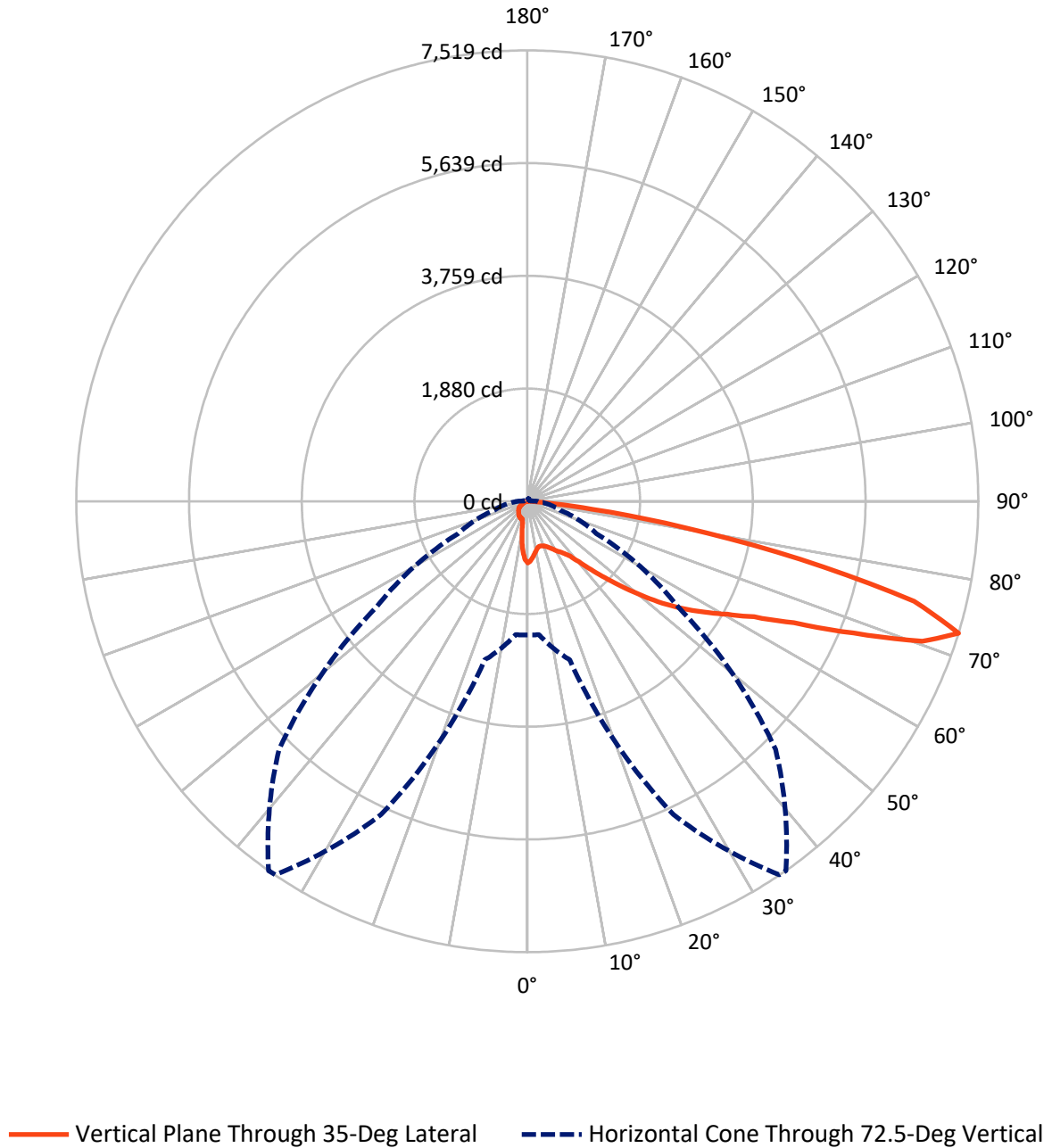
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P940238  
CATALOG NUMBER: GALN-SB3A-950-U-T4FT-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P940238  
 CATALOG NUMBER: GALN-SB3A-950-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	797.8	0.0	797.8
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	6291.2	0.0	6291.2
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	7089.0	0.0	7089.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.4	1.2
10°-20°	197.5	2.8
20°-30°	320.8	4.5
30°-40°	535.3	7.6
40°-50°	1012.9	14.3
50°-60°	1609.4	22.7
60°-70°	1991.0	28.1
70°-80°	1237.6	17.5
80°-90°	100.0	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°	7089.0	100.0
0°-180°	7089.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P940238

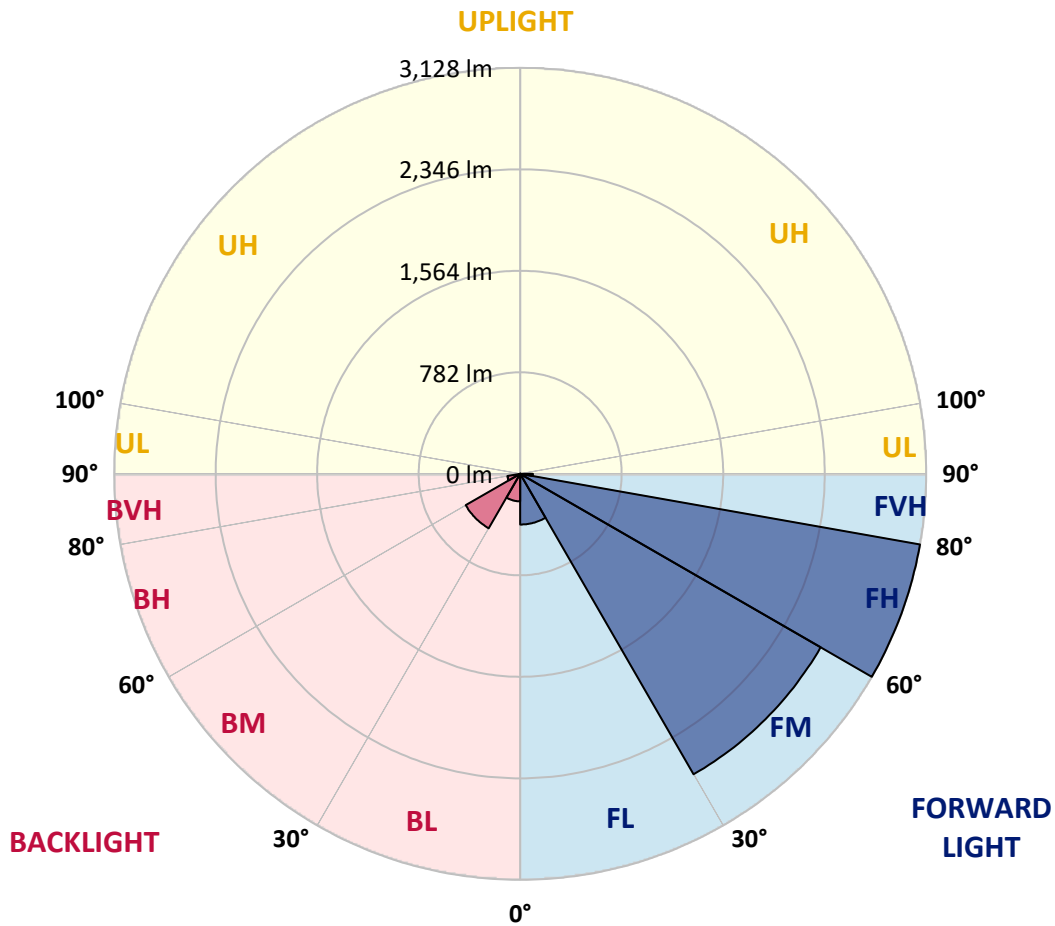
CATALOG NUMBER: GALN-SB3A-950-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.8	5.5			
FM (30°-60°)	2673.3	37.7			
FH (60°-80°)	3128.5	44.1			G2/5000
FVH (80°-90°)	98.7	1.4			G1/100
BL (0°-30°)	212.0	3.0	B1/500		
BM (30°-60°)	484.4	6.8	B1/1000		
BH (60°-80°)	100.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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: P940238  
 CATALOG NUMBER: GALN-SB3A-950-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4
2.5°	981.7	990.0	991.6	994.2	994.2	997.3	1002.5	1009.8	1021.7	1028.0
5°	904.8	911.1	918.9	925.1	937.1	938.6	958.9	978.6	1006.1	1026.9
7.5°	827.5	834.7	845.1	860.2	875.8	880.4	911.1	944.3	988.0	1026.9
10°	772.9	773.4	782.8	797.8	822.8	828.5	865.9	913.2	967.7	1020.7
12.5°	742.3	745.9	750.1	761.5	785.4	789.0	829.0	884.6	947.4	1017.0
15°	742.3	744.9	747.5	753.2	772.4	775.5	810.8	866.4	937.1	1018.6
17.5°	750.1	754.2	752.1	758.9	779.1	781.2	812.4	861.2	936.5	1028.5
20°	768.8	771.9	767.7	771.9	792.1	796.3	828.5	871.1	945.4	1045.6
22.5°	798.4	799.9	790.1	793.2	813.9	819.1	856.5	899.1	966.7	1073.1
25°	835.8	838.9	823.8	827.5	847.2	853.4	896.5	941.2	1000.4	1111.1
27.5°	878.9	880.4	867.4	866.9	892.4	901.2	944.8	993.2	1045.6	1158.8
30°	928.2	932.9	920.4	918.4	950.6	957.8	1000.9	1057.0	1112.1	1230.5
32.5°	967.2	970.8	963.5	968.7	1001.5	1007.2	1069.0	1147.4	1216.5	1332.3
35°	1023.3	1025.4	1008.7	1018.1	1055.5	1070.0	1162.0	1274.2	1347.9	1460.1
37.5°	1226.4	1226.4	1155.7	1109.5	1145.3	1158.3	1289.2	1433.6	1510.0	1631.5
40°	1507.4	1502.7	1399.3	1304.8	1300.1	1325.6	1470.5	1634.6	1719.3	1837.2
42.5°	1807.1	1799.8	1659.1	1565.6	1550.0	1558.8	1679.8	1882.4	1968.6	2088.1
45°	2073.0	2071.0	1942.2	1816.4	1788.4	1816.4	1941.1	2172.3	2234.1	2359.8
47.5°	2295.9	2295.9	2201.9	2119.8	2105.3	2121.9	2294.8	2493.8	2488.1	2649.1
50°	2552.5	2550.4	2461.1	2425.7	2440.8	2464.2	2702.1	2832.5	2750.9	2933.2
52.5°	2732.2	2744.7	2714.0	2708.3	2785.2	2825.7	3115.5	3163.9	2986.2	3202.8
55°	2874.5	2889.1	2924.4	2964.4	3112.4	3165.4	3516.0	3478.1	3183.1	3436.6
57.5°	3076.1	3055.3	3109.8	3188.8	3428.2	3492.1	3904.0	3774.7	3341.5	3626.1
60°	3320.7	3323.8	3333.2	3432.9	3743.5	3825.6	4286.3	4055.2	3443.3	3742.5
62.5°	3614.7	3619.4	3638.6	3791.8	4166.9	4244.3	4693.6	4284.8	3490.1	3709.8
65°	3594.5	3614.2	3828.7	4352.8	4810.4	4886.8	5168.9	4445.8	3419.4	3410.6
67.5°	3274.5	3306.7	3665.6	5022.9	5780.7	5865.9	5743.3	4477.5	3114.5	2652.2
70°	2854.8	2866.2	3297.9	5625.4	6904.3	6990.5	6257.6	4129.0	2363.4	1479.3
72.5°	2229.4	2232.0	2738.4	5765.2	7514.1	7518.8	5854.0	3065.2	1271.0	568.3
75°	1592.6	1577.0	1834.1	4675.4	6610.8	6663.8	4388.7	1437.8	485.7	268.5
77.5°	853.9	871.1	1037.8	2772.7	4566.8	4657.2	2394.6	414.5	247.2	182.8
80°	263.9	278.4	425.4	1269.5	2586.8	2641.3	887.7	184.4	172.5	130.4
82.5°	83.1	86.2	198.4	533.5	1073.7	1098.6	257.1	104.4	117.9	86.2
85°	23.9	24.4	88.3	198.9	265.4	270.6	72.2	40.5	67.5	53.5
87.5°	2.6	8.3	33.2	33.2	23.4	22.9	7.8	8.8	19.2	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940238  
 CATALOG NUMBER: GALN-SB3A-950-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1027.4	0°	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4
1032.1	2.5°	1029.5	1030.0	1023.3	1011.9	999.4	989.0	976.0	965.6	958.3	956.3
1041.5	5°	1036.8	1033.1	1013.9	979.1	937.6	901.7	861.7	830.1	809.3	800.4
1051.3	7.5°	1047.7	1037.3	995.2	926.7	847.2	776.5	704.9	649.3	614.0	596.3
1060.7	10°	1057.0	1036.3	964.1	850.8	729.3	622.3	525.7	458.7	421.3	403.6
1071.6	12.5°	1065.9	1035.7	923.5	761.0	596.3	465.4	375.5	342.3	331.9	328.3
1089.2	15°	1082.5	1037.3	872.6	658.1	463.9	351.7	318.9	318.4	320.5	319.4
1116.3	17.5°	1105.3	1038.9	815.0	549.0	357.9	310.1	308.5	313.2	316.3	314.8
1150.0	20°	1135.0	1045.1	753.7	441.0	307.5	299.7	303.3	307.5	310.1	307.5
1195.2	22.5°	1176.5	1056.0	686.7	354.3	291.4	293.5	296.6	301.3	303.9	300.2
1252.9	25°	1227.4	1073.1	620.7	308.0	283.6	286.2	290.9	296.1	299.2	295.6
1325.6	27.5°	1293.4	1100.7	559.9	297.6	275.8	277.4	284.1	291.9	296.1	291.4
1429.0	30°	1389.0	1145.9	507.5	302.3	271.1	267.5	276.9	287.8	292.4	288.3
1569.7	32.5°	1515.7	1209.8	475.3	309.6	269.1	256.1	264.9	278.9	286.7	284.1
1753.6	35°	1681.9	1306.9	462.8	317.9	267.5	244.1	250.4	265.4	278.9	281.5
1985.3	37.5°	1883.5	1441.9	466.4	321.5	262.8	234.3	237.4	250.4	268.0	276.3
2246.0	40°	2112.5	1599.3	487.2	317.9	257.6	226.0	226.5	236.3	251.9	264.4
2526.5	42.5°	2348.9	1783.2	525.7	304.4	253.0	218.7	217.1	223.9	234.3	243.1
2806.5	45°	2573.8	1972.3	563.6	285.7	247.2	211.4	207.8	210.4	212.4	216.1
3079.2	47.5°	2770.1	2105.3	552.7	268.5	239.5	203.1	196.9	195.8	189.6	189.1
3322.8	50°	2905.7	2134.3	490.9	251.4	228.0	193.7	183.9	177.6	166.7	161.5
3505.1	52.5°	2948.8	2019.5	401.0	234.3	209.3	181.3	167.3	157.4	143.9	139.2
3610.0	55°	2891.7	1794.6	320.5	213.5	183.4	164.7	149.1	136.1	125.2	119.5
3621.5	57.5°	2751.9	1508.4	253.5	189.1	155.8	146.0	130.4	117.4	108.0	102.3
3494.7	60°	2520.3	1197.8	200.5	160.0	133.0	125.7	109.6	101.3	93.0	86.2
3167.5	62.5°	2168.6	855.0	157.4	126.7	111.2	102.8	93.5	87.3	77.4	68.0
2579.0	65°	1692.3	523.1	121.5	93.0	89.3	85.2	79.5	73.8	61.8	52.5
1682.4	67.5°	1067.4	247.8	86.7	70.1	70.6	68.6	66.0	61.3	52.5	44.2
753.7	70°	470.1	120.0	57.1	53.5	52.5	52.5	54.5	53.0	44.7	36.9
261.8	72.5°	160.0	64.4	42.6	40.5	37.9	37.4	45.7	44.2	35.8	28.6
130.4	75°	83.6	43.1	31.2	29.1	22.9	27.5	36.4	34.3	25.5	18.7
86.2	77.5°	54.5	30.6	21.3	18.7	13.0	18.2	27.0	23.9	15.1	9.3
56.6	80°	34.3	20.3	12.5	8.8	6.2	9.9	14.5	10.4	5.7	2.1
33.2	82.5°	18.2	10.4	4.7	3.1	2.6	3.1	3.6	2.6	1.0	0.0
17.1	85°	7.3	3.6	1.6	1.0	0.5	0.0	1.0	0.5	0.0	0.0
3.1	87.5°	2.6	0.5	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

180°
1027.4
959.9
803.6
598.9
404.1
327.2
318.9
314.3
307.0
299.7
295.0
291.4
287.8
284.1
281.5
278.4
268.5
246.7
218.2
188.6
162.1
138.7
119.5
101.3
84.7
66.5
50.9
43.1
35.3
27.0
17.1
8.3
1.6
0.0
0.0
0.0
0.0

F REPORT)