

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: P940198

Luminaire Tested: **GALN-SB3A-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940198
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-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 6203 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

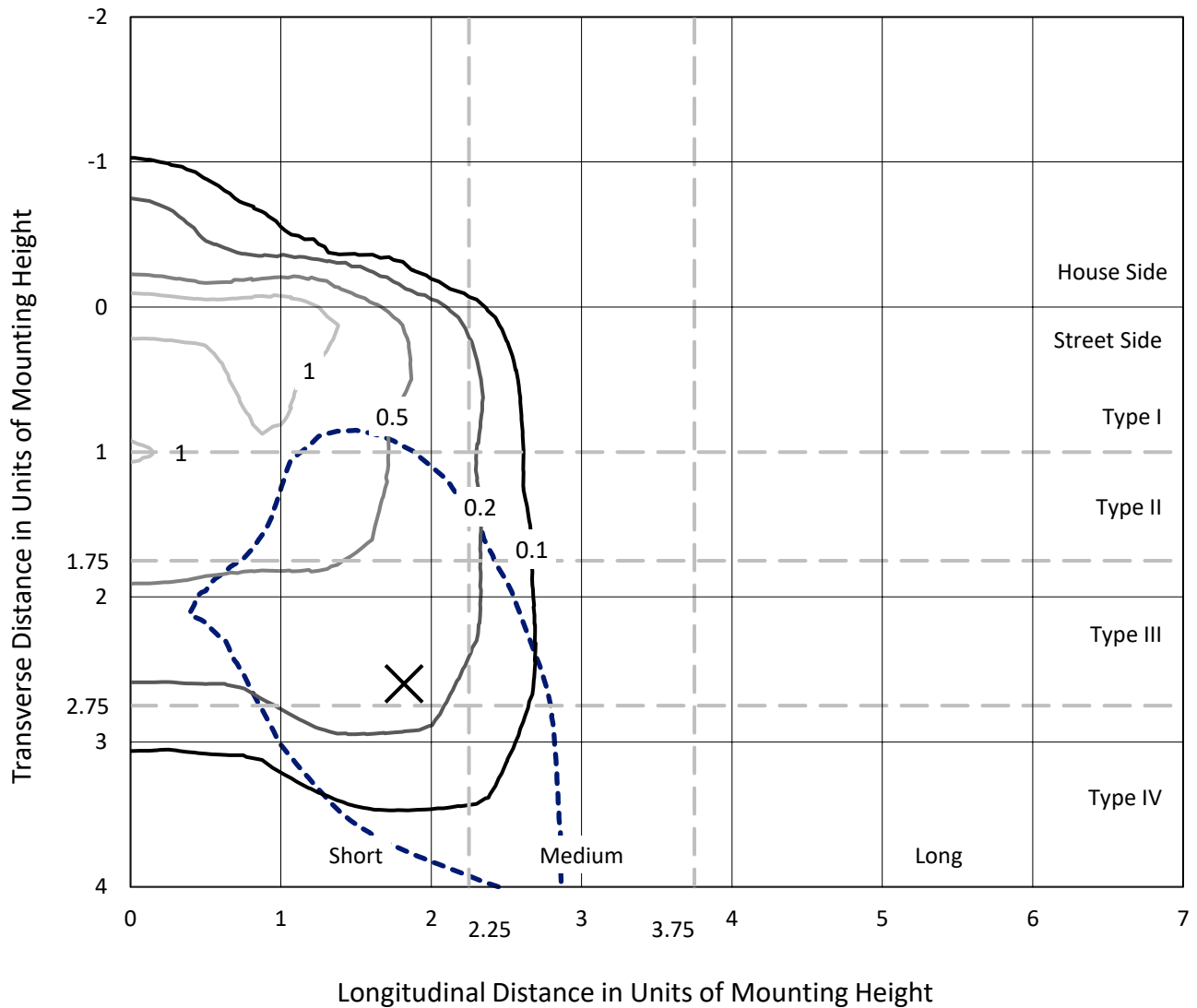
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940198
 CATALOG NUMBER: GALN-SB3A-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

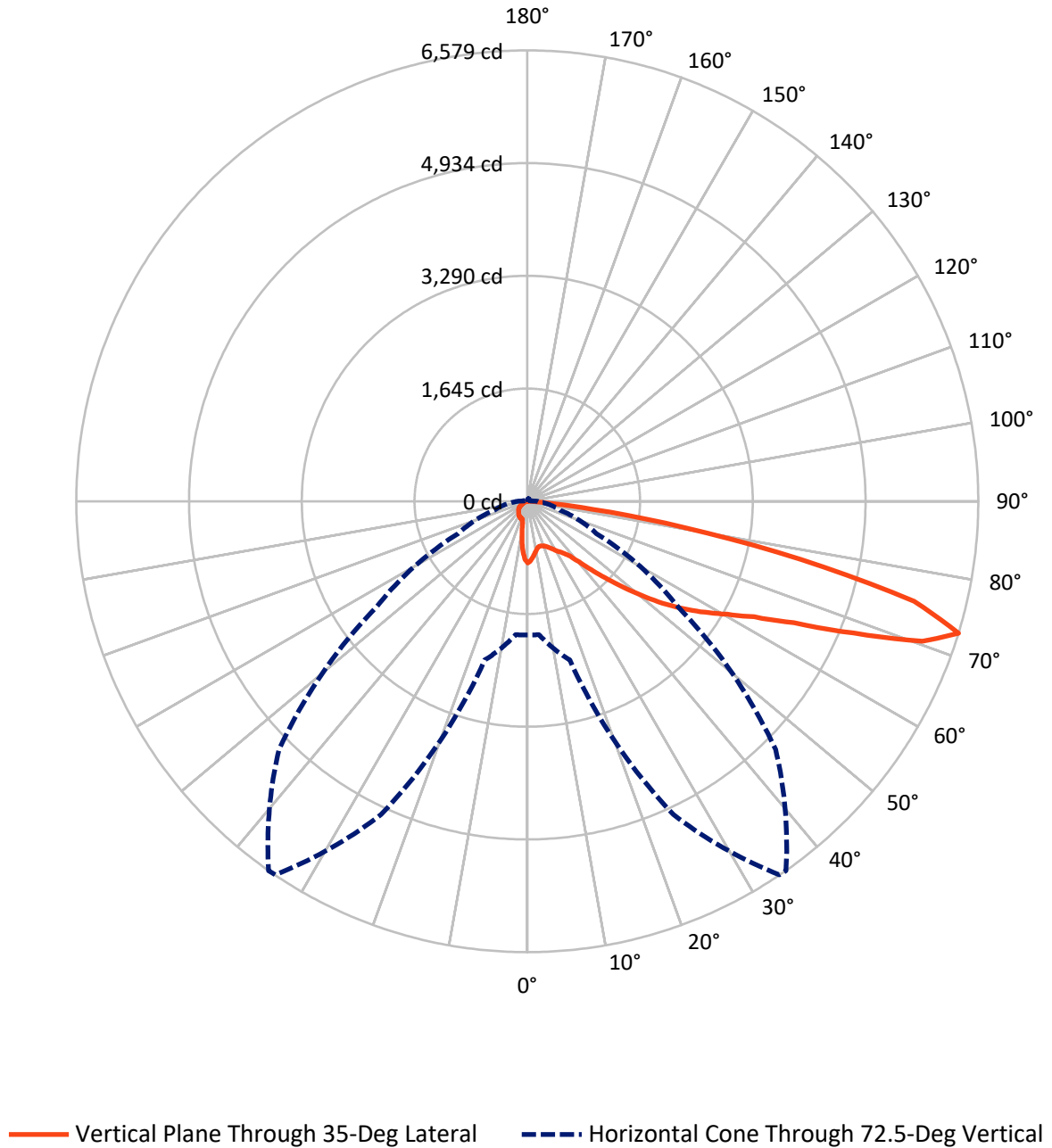
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P940198
CATALOG NUMBER: GALN-SB3A-927-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940198
 CATALOG NUMBER: GALN-SB3A-927-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	698.1	0.0	698.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5504.9	0.0	5504.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	6203.0	0.0	6203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	1.2
10°-20°	172.8	2.8
20°-30°	280.7	4.5
30°-40°	468.4	7.6
40°-50°	886.3	14.3
50°-60°	1408.3	22.7
60°-70°	1742.1	28.1
70°-80°	1082.9	17.5
80°-90°	87.5	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°	6203.0	100.0
0°-180°	6203.0	100.0

Coefficient of Utilization



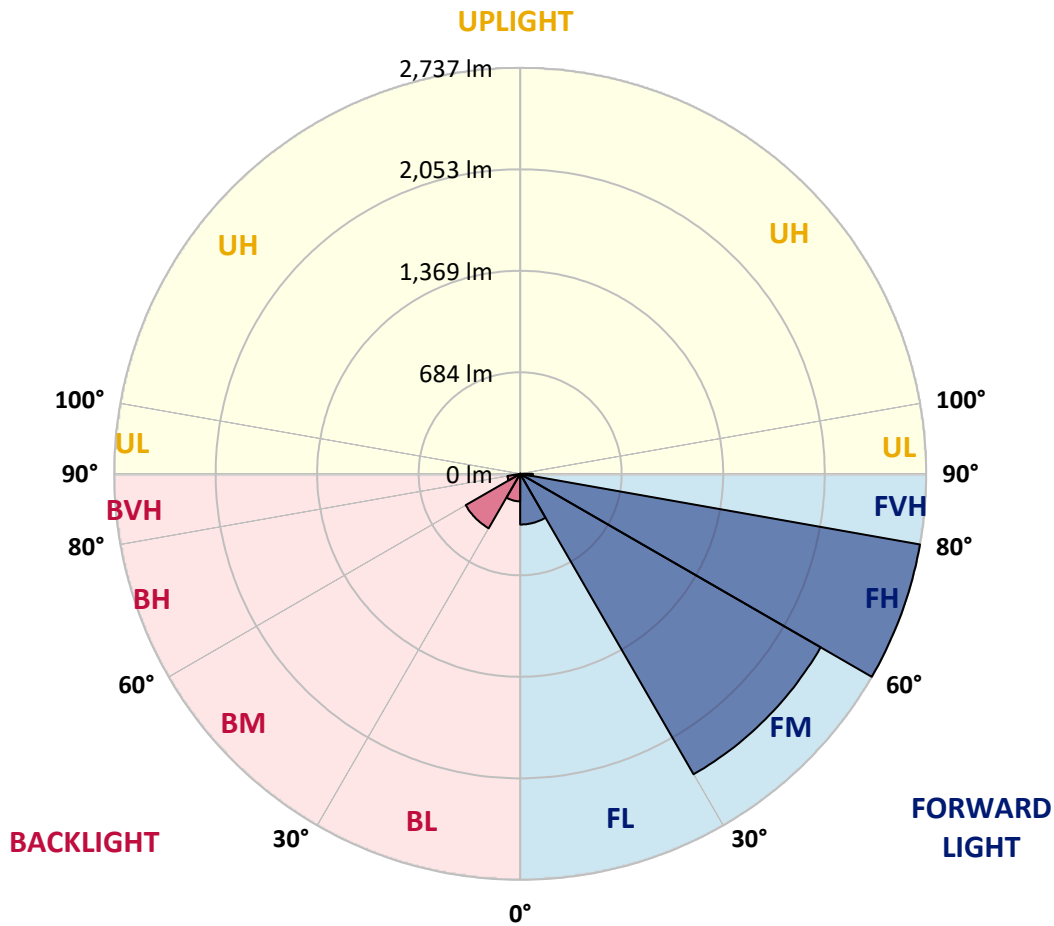
REPORT NUMBER: P940198
 CATALOG NUMBER: GALN-SB3A-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.9	5.5			
FM (30°-60°)	2339.1	37.7			
FH (60°-80°)	2737.5	44.1			G2/5000
FVH (80°-90°)	86.3	1.4			G1/100
BL (0°-30°)	185.5	3.0	B1/500		
BM (30°-60°)	423.8	6.8	B1/1000		
BH (60°-80°)	87.6	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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: P940198
 CATALOG NUMBER: GALN-SB3A-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0
2.5°	859.0	866.3	867.7	869.9	869.9	872.7	877.2	883.6	894.0	899.5
5°	791.8	797.2	804.0	809.5	819.9	821.3	839.0	856.3	880.4	898.6
7.5°	724.0	730.4	739.5	752.7	766.3	770.4	797.2	826.3	864.5	898.6
10°	676.3	676.8	684.9	698.1	719.9	724.9	757.7	799.0	846.8	893.1
12.5°	649.5	652.7	656.3	666.3	687.2	690.4	725.4	774.0	829.0	889.9
15°	649.5	651.8	654.0	659.0	675.9	678.6	709.5	758.1	819.9	891.3
17.5°	656.3	659.9	658.1	664.0	681.8	683.6	710.9	753.6	819.5	899.9
20°	672.7	675.4	671.8	675.4	693.1	696.8	724.9	762.2	827.2	914.9
22.5°	698.6	699.9	691.3	694.0	712.2	716.8	749.5	786.8	845.8	939.0
25°	731.3	734.0	720.9	724.0	741.3	746.8	784.5	823.6	875.4	972.2
27.5°	769.0	770.4	759.0	758.6	780.8	788.6	826.8	869.0	914.9	1014.0
30°	812.2	816.3	805.4	803.6	831.8	838.1	875.8	924.9	973.1	1076.7
32.5°	846.3	849.5	843.1	847.7	876.3	881.3	935.4	1004.0	1064.5	1165.8
35°	895.4	897.2	882.7	890.8	923.6	936.3	1016.7	1114.9	1179.5	1277.6
37.5°	1073.1	1073.1	1011.3	970.8	1002.2	1013.6	1128.1	1254.5	1321.3	1427.6
40°	1319.0	1314.9	1224.5	1141.7	1137.6	1159.9	1286.7	1430.3	1504.4	1607.6
42.5°	1581.2	1574.9	1451.7	1369.9	1356.3	1364.0	1469.9	1647.1	1722.6	1827.1
45°	1814.0	1812.1	1699.4	1589.4	1564.9	1589.4	1698.5	1900.8	1954.9	2064.8
47.5°	2008.9	2008.9	1926.7	1854.9	1842.1	1856.7	2008.0	2182.1	2177.1	2318.0
50°	2233.5	2231.6	2153.5	2122.6	2135.7	2156.2	2364.4	2478.4	2407.1	2566.6
52.5°	2390.7	2401.6	2374.8	2369.8	2437.1	2472.5	2726.2	2768.4	2613.0	2802.5
55°	2515.3	2528.0	2558.9	2593.9	2723.4	2769.8	3076.6	3043.4	2785.2	3007.0
57.5°	2691.6	2673.4	2721.2	2790.2	2999.8	3055.7	3416.1	3302.9	2923.9	3172.9
60°	2905.7	2908.4	2916.6	3003.9	3275.7	3347.5	3750.6	3548.4	3013.0	3274.8
62.5°	3162.9	3167.0	3183.8	3317.9	3646.1	3713.8	4107.0	3749.3	3053.9	3246.1
65°	3145.2	3162.5	3350.2	3808.8	4209.2	4276.0	4522.8	3890.2	2992.0	2984.3
67.5°	2865.2	2893.4	3207.5	4395.1	5058.3	5132.8	5025.5	3917.9	2725.2	2320.7
70°	2498.0	2508.0	2885.7	4922.4	6041.4	6116.8	5475.5	3612.9	2068.0	1294.4
72.5°	1950.8	1953.0	2396.2	5044.6	6575.0	6579.0	5122.3	2682.1	1112.2	497.2
75°	1393.5	1379.9	1604.9	4091.1	5784.6	5830.9	3840.2	1258.1	425.0	235.0
77.5°	747.2	762.2	908.1	2426.2	3996.1	4075.1	2095.3	362.7	216.3	160.0
80°	230.9	243.6	372.2	1110.8	2263.5	2311.2	776.8	161.4	150.9	114.1
82.5°	72.7	75.4	173.6	466.8	939.5	961.3	225.0	91.4	103.2	75.4
85°	20.9	21.4	77.3	174.1	232.3	236.8	63.2	35.5	59.1	46.8
87.5°	2.3	7.3	29.1	29.1	20.5	20.0	6.8	7.7	16.8	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940198
 CATALOG NUMBER: GALN-SB3A-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
899.0	0°	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0
903.1	2.5°	900.8	901.3	895.4	885.4	874.5	865.4	854.0	844.9	838.6	836.8
911.3	5°	907.2	904.0	887.2	856.8	820.4	789.0	754.0	726.3	708.1	700.4
919.9	7.5°	916.7	907.7	870.8	810.8	741.3	679.5	616.8	568.1	537.2	521.8
928.1	10°	924.9	906.7	843.6	744.5	638.1	544.5	460.0	401.3	368.6	353.2
937.7	12.5°	932.7	906.3	808.1	665.9	521.8	407.2	328.6	299.5	290.4	287.3
953.1	15°	947.2	907.7	763.6	575.9	405.9	307.7	279.1	278.6	280.4	279.5
976.7	17.5°	967.2	909.0	713.1	480.4	313.2	271.3	270.0	274.1	276.8	275.4
1006.3	20°	993.1	914.5	659.5	385.9	269.1	262.3	265.4	269.1	271.3	269.1
1045.8	22.5°	1029.5	924.0	600.9	310.0	255.0	256.8	259.5	263.6	265.9	262.7
1096.3	25°	1074.0	939.0	543.1	269.5	248.2	250.4	254.5	259.1	261.8	258.6
1159.9	27.5°	1131.7	963.1	490.0	260.4	241.3	242.7	248.6	255.4	259.1	255.0
1250.4	30°	1215.4	1002.7	444.1	264.5	237.3	234.1	242.3	251.8	255.9	252.3
1373.5	32.5°	1326.3	1058.6	415.9	270.9	235.4	224.1	231.8	244.1	250.9	248.6
1534.4	35°	1471.7	1143.5	405.0	278.2	234.1	213.6	219.1	232.3	244.1	246.3
1737.1	37.5°	1648.1	1261.7	408.2	281.3	230.0	205.0	207.7	219.1	234.5	241.8
1965.3	40°	1848.5	1399.4	426.3	278.2	225.4	197.7	198.2	206.8	220.4	231.3
2210.7	42.5°	2055.3	1560.3	460.0	266.3	221.3	191.3	190.0	195.9	205.0	212.7
2455.7	45°	2252.1	1725.8	493.1	250.0	216.3	185.0	181.8	184.1	185.9	189.1
2694.3	47.5°	2423.9	1842.1	483.6	235.0	209.5	177.7	172.3	171.4	165.9	165.4
2907.5	50°	2542.5	1867.6	429.5	220.0	199.5	169.5	160.9	155.4	145.9	141.4
3067.0	52.5°	2580.3	1767.1	350.9	205.0	183.2	158.6	146.4	137.7	125.9	121.8
3158.9	55°	2530.3	1570.3	280.4	186.8	160.4	144.1	130.4	119.1	109.5	104.5
3168.9	57.5°	2408.0	1319.9	221.8	165.4	136.4	127.7	114.1	102.7	94.5	89.5
3057.9	60°	2205.3	1048.1	175.4	140.0	116.4	110.0	95.9	88.6	81.4	75.4
2771.6	62.5°	1897.6	748.1	137.7	110.9	97.3	90.0	81.8	76.4	67.7	59.5
2256.6	65°	1480.8	457.7	106.4	81.4	78.2	74.5	69.5	64.5	54.1	45.9
1472.2	67.5°	934.0	216.8	75.9	61.4	61.8	60.0	57.7	53.6	45.9	38.6
659.5	70°	411.3	105.0	50.0	46.8	45.9	45.9	47.7	46.4	39.1	32.3
229.1	72.5°	140.0	56.4	37.3	35.5	33.2	32.7	40.0	38.6	31.4	25.0
114.1	75°	73.2	37.7	27.3	25.5	20.0	24.1	31.8	30.0	22.3	16.4
75.4	77.5°	47.7	26.8	18.6	16.4	11.4	15.9	23.6	20.9	13.2	8.2
49.5	80°	30.0	17.7	10.9	7.7	5.5	8.6	12.7	9.1	5.0	1.8
29.1	82.5°	15.9	9.1	4.1	2.7	2.3	2.7	3.2	2.3	0.9	0.0
15.0	85°	6.4	3.2	1.4	0.9	0.5	0.0	0.9	0.5	0.0	0.0
2.7	87.5°	2.3	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

<u>180°</u>
899.0
839.9
703.1
524.1
353.6
286.3
279.1
275.0
268.6
262.3
258.2
255.0
251.8
248.6
246.3
243.6
235.0
215.9
190.9
165.0
141.8
121.4
104.5
88.6
74.1
58.2
44.5
37.7
30.9
23.6
15.0
7.3
1.4
0.0
0.0
0.0
0.0

F REPORT)