

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: P952302

Luminaire Tested: **GALN-SB6A-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16411 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

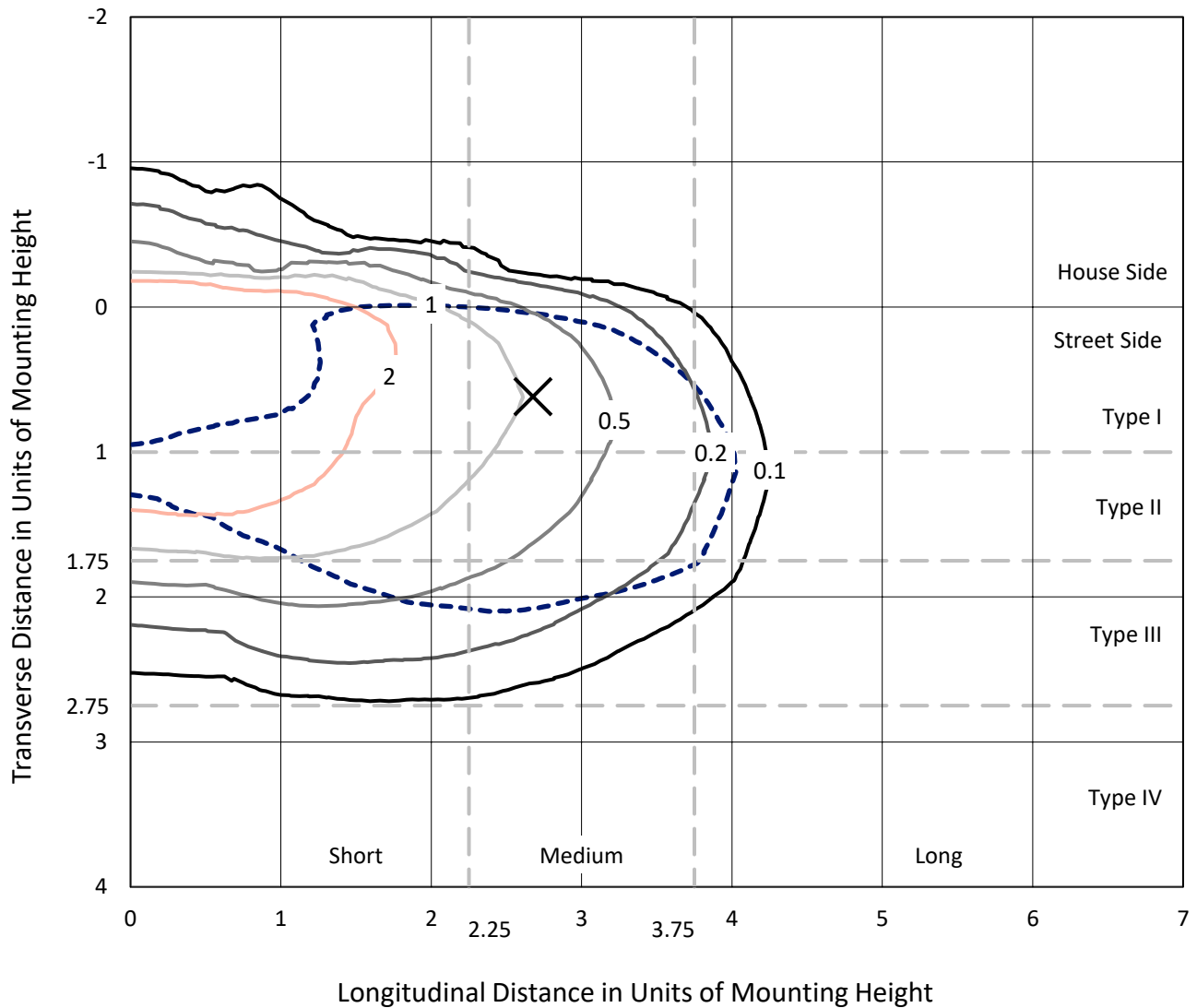
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952302
 CATALOG NUMBER: GALN-SB6A-940-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

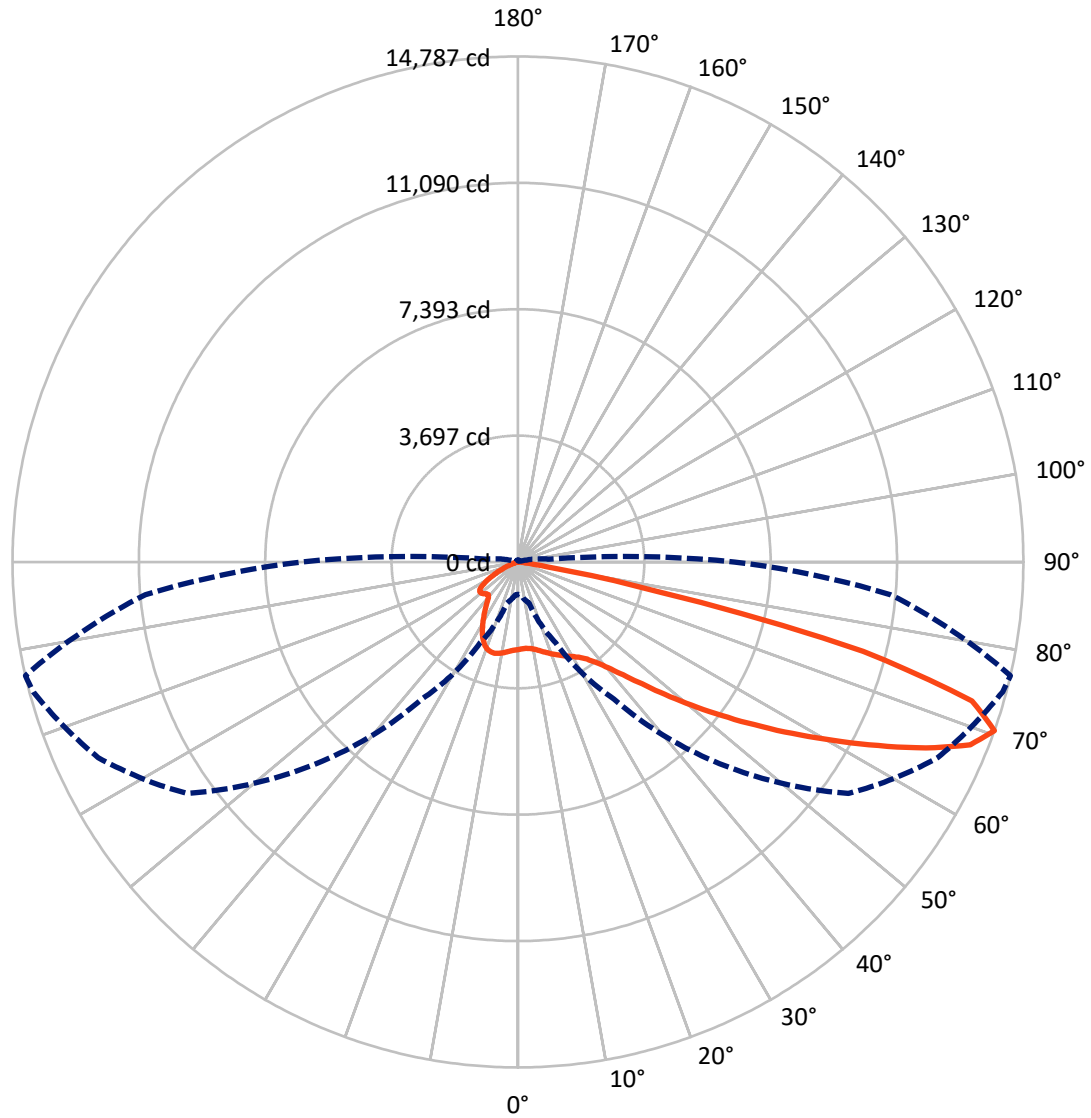
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P952302
CATALOG NUMBER: GALN-SB6A-940-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P952302
 CATALOG NUMBER: GALN-SB6A-940-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1730.0	0.0	1730.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	14681.0	0.0	14681.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	16411.0	0.0	16411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	1.3
10°-20°	523.7	3.2
20°-30°	810.0	4.9
30°-40°	1469.9	9.0
40°-50°	2774.6	16.9
50°-60°	4009.0	24.4
60°-70°	4267.5	26.0
70°-80°	2261.5	13.8
80°-90°	74.3	0.5
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°	16411.0	100.0
0°-180°	16411.0	100.0

Coefficient of Utilization



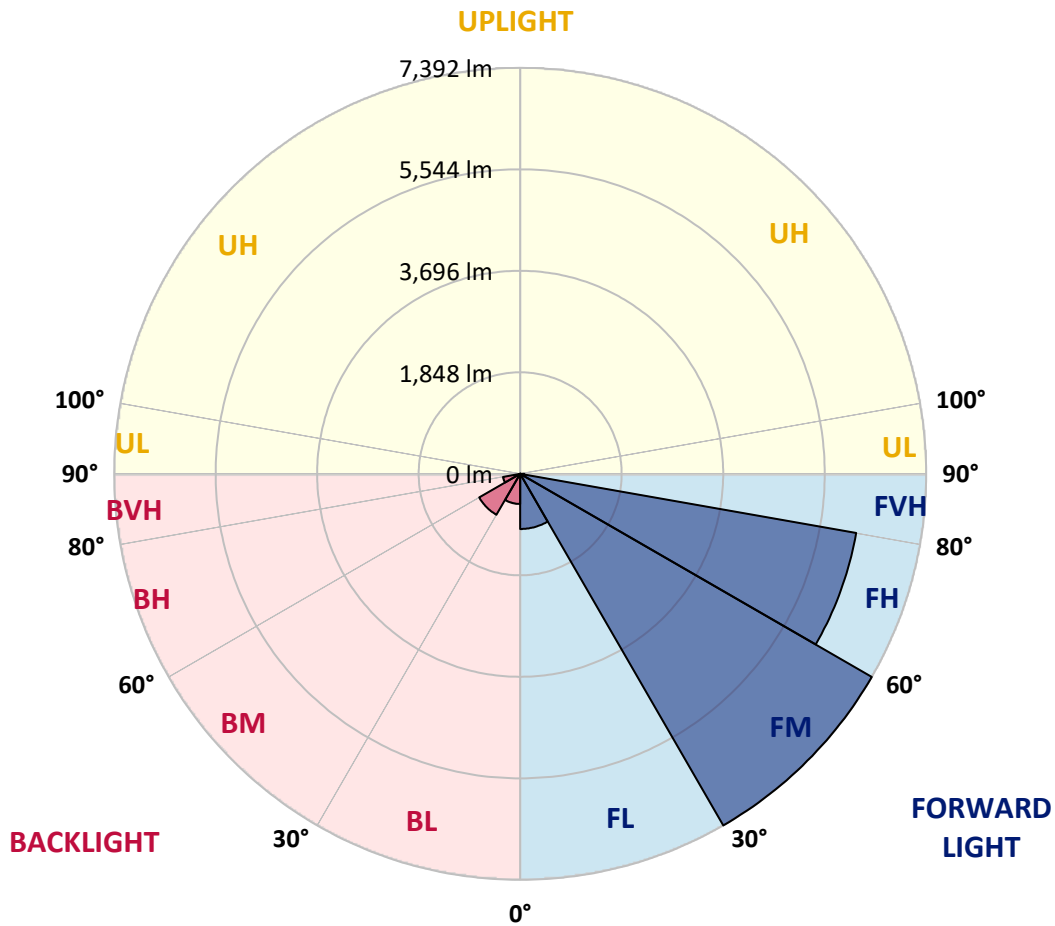
REPORT NUMBER: P952302
 CATALOG NUMBER: GALN-SB6A-940-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1004.7	6.1			
FM (30°-60°)	7392.2	45.0			
FH (60°-80°)	6211.8	37.9			G3/7500
FVH (80°-90°)	72.3	0.4			G1/100
BL (0°-30°)	549.6	3.3	B2/1000		
BM (30°-60°)	861.2	5.2	B1/1000		
BH (60°-80°)	317.1	1.9	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



REPORT NUMBER: P952302
 CATALOG NUMBER: GALN-SB6A-940-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8
2.5°	2403.3	2425.1	2422.0	2436.5	2441.7	2462.4	2483.1	2511.1	2542.2	2541.2
5°	2267.6	2289.3	2294.5	2314.2	2339.1	2371.2	2413.7	2469.7	2527.7	2537.0
7.5°	2106.9	2129.7	2143.2	2182.6	2228.2	2294.5	2363.9	2445.8	2542.2	2555.7
10°	1946.3	1967.0	1984.6	2040.6	2113.1	2211.6	2324.6	2442.7	2572.3	2591.9
12.5°	1846.8	1866.5	1886.2	1934.9	2025.1	2145.3	2298.7	2457.2	2622.0	2650.0
15°	1811.6	1829.2	1844.7	1888.3	1972.2	2109.0	2293.5	2487.3	2685.2	2722.5
17.5°	1816.7	1826.1	1836.4	1869.6	1951.5	2092.4	2302.8	2539.1	2759.8	2793.0
20°	1846.8	1852.0	1853.0	1875.8	1948.4	2090.3	2321.5	2588.8	2830.3	2874.9
22.5°	1885.1	1887.2	1885.1	1900.7	1968.1	2105.9	2346.3	2648.9	2909.1	2950.5
25°	2064.4	2025.1	1975.3	1945.3	2001.2	2135.9	2383.6	2729.8	2995.1	3035.5
27.5°	2621.0	2508.0	2329.7	2129.7	2069.6	2179.5	2435.5	2811.7	3082.1	3118.4
30°	3524.7	3376.5	3073.9	2623.0	2289.3	2270.7	2502.8	2893.5	3174.4	3213.8
32.5°	4430.5	4394.2	4044.9	3421.0	2783.7	2473.8	2614.7	3004.4	3296.7	3327.8
35°	5346.6	5273.0	4987.0	4370.3	3545.4	2887.3	2801.3	3149.5	3457.3	3492.5
37.5°	6048.2	6003.7	5826.4	5318.6	4449.1	3525.7	3120.5	3374.4	3690.5	3729.9
40°	6668.0	6647.2	6587.1	6252.4	5459.6	4361.0	3616.9	3722.6	4013.8	4060.5
42.5°	7155.1	7203.8	7238.0	7144.7	6501.1	5314.5	4284.3	4211.8	4464.7	4512.3
45°	7653.5	7670.1	7808.0	7942.7	7535.4	6311.5	5036.7	4784.9	5025.3	5084.4
47.5°	7973.8	8040.1	8282.6	8520.0	8404.9	7300.1	5845.1	5461.6	5675.1	5786.0
50°	7997.6	8123.0	8456.7	8870.2	9038.1	8241.2	6723.9	6232.7	6459.7	6581.9
52.5°	7600.7	7795.5	8312.7	8917.9	9380.1	9038.1	7632.8	7003.7	7295.0	7454.6
55°	5827.5	6082.4	7770.7	8658.8	9393.6	9642.3	8517.9	7806.9	8225.6	8406.0
57.5°	5077.1	5205.7	6109.4	8209.0	9143.8	9885.9	9318.0	8571.8	9238.2	9462.0
60°	4224.2	4393.1	5123.8	7473.2	8805.0	9909.7	10024.8	9558.4	10335.7	10587.5
62.5°	2870.7	3054.2	3780.7	6208.9	8341.7	9898.3	10604.1	10574.0	11555.5	11826.0
65°	1778.4	1893.4	2372.2	5069.9	7694.0	9910.8	11210.4	11807.3	12842.6	13117.3
67.5°	1405.3	1458.2	1707.9	3892.6	6577.8	9630.9	11815.6	12967.0	14054.1	14271.8
70°	944.1	976.3	1242.6	2609.6	4893.7	8339.6	11804.2	13549.4	14678.0	14786.8
72.5°	497.5	522.3	726.5	1208.4	2955.7	5928.0	9950.1	12853.0	14057.2	13893.5
75°	248.7	290.2	489.2	613.5	1262.3	3306.0	6178.8	10133.6	11064.2	10430.0
77.5°	188.6	228.0	404.2	404.2	439.4	1113.1	2616.8	5526.9	5097.9	4244.9
80°	120.2	155.5	353.4	305.7	183.4	282.9	681.9	1548.3	1083.0	823.9
82.5°	70.5	101.6	294.3	202.1	102.6	104.7	192.8	329.6	280.9	218.7
85°	28.0	66.3	202.1	79.8	40.4	25.9	58.0	70.5	58.0	43.5
87.5°	0.0	15.5	35.2	0.0	3.1	2.1	4.1	5.2	5.2	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952302
 CATALOG NUMBER: GALN-SB6A-940-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2559.8	0°	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8	2559.8
2561.9	2.5°	2571.2	2573.3	2579.5	2580.5	2566.0	2547.4	2540.1	2537.0	2524.6	2523.5
2578.5	5°	2602.3	2611.6	2602.3	2575.4	2511.1	2420.9	2352.5	2296.6	2245.8	2230.3
2635.5	7.5°	2664.5	2673.8	2645.8	2540.1	2378.5	2199.2	2037.5	1923.5	1820.9	1782.5
2704.9	10°	2753.6	2766.1	2678.0	2464.5	2178.4	1890.3	1616.7	1424.0	1273.7	1212.5
2799.2	12.5°	2865.5	2870.7	2695.6	2349.4	1918.3	1506.9	1119.3	913.0	779.3	729.6
2913.2	15°	2988.9	2981.6	2697.7	2192.9	1563.9	1065.4	730.6	600.1	546.2	529.6
3027.2	17.5°	3118.4	3088.4	2656.2	1967.0	1175.2	728.6	542.0	510.9	501.6	497.5
3140.2	20°	3245.9	3178.5	2580.5	1671.7	843.6	544.1	492.3	482.9	477.8	475.7
3254.2	22.5°	3362.0	3246.9	2451.0	1328.6	612.5	480.9	465.3	457.0	447.7	443.6
3365.1	25°	3474.9	3286.3	2268.6	1008.4	490.2	449.8	437.3	421.8	409.4	404.2
3484.3	27.5°	3584.8	3311.2	2040.6	746.2	437.3	420.8	398.0	376.2	366.9	364.8
3611.7	30°	3701.9	3319.5	1781.5	556.5	405.2	384.5	351.3	326.5	321.3	322.3
3783.8	32.5°	3844.9	3331.9	1520.3	456.0	378.3	341.0	301.6	275.7	271.5	275.7
4034.6	35°	4015.9	3356.8	1268.5	419.7	354.4	296.4	253.9	232.1	228.0	231.1
4355.8	37.5°	4248.1	3397.2	1033.3	412.5	334.7	259.1	213.5	195.9	195.9	196.9
4749.7	40°	4556.9	3505.0	822.9	407.3	324.4	231.1	180.3	173.1	176.2	178.3
5251.3	42.5°	4933.1	3734.0	680.9	401.1	313.0	218.7	163.7	160.6	165.8	167.9
5852.3	45°	5354.9	4024.2	631.1	390.7	302.6	227.0	156.5	152.3	158.6	159.6
6526.0	47.5°	5791.2	4308.2	624.9	379.3	292.3	239.4	154.4	145.1	152.3	153.4
7245.2	50°	6232.7	4493.7	631.1	361.7	275.7	239.4	155.5	137.8	144.1	147.2
7991.4	52.5°	6677.3	4578.7	627.0	323.3	246.7	224.9	155.5	131.6	137.8	139.9
8797.7	55°	7108.4	4562.1	563.8	266.3	209.3	199.0	151.3	126.4	130.6	131.6
9559.4	57.5°	7449.4	4331.0	446.7	207.3	170.0	165.8	137.8	120.2	123.3	122.3
10257.9	60°	7627.6	3823.1	319.2	159.6	133.7	130.6	121.3	111.9	114.0	108.8
10849.7	62.5°	7629.7	3151.6	213.5	126.4	106.7	103.6	103.6	100.5	98.5	88.1
11307.8	65°	7467.0	2406.4	142.0	100.5	86.0	80.8	87.1	86.0	78.8	64.3
11447.7	67.5°	7098.1	1577.3	107.8	78.8	66.3	63.2	69.4	72.5	67.4	53.9
10937.8	70°	6339.4	918.2	89.1	61.1	49.7	46.6	56.0	62.2	56.0	43.5
9349.0	72.5°	5265.8	495.4	72.5	45.6	34.2	31.1	44.6	50.8	44.6	32.1
5998.5	75°	3416.9	265.3	56.0	30.1	17.6	19.7	33.2	37.3	31.1	20.7
1760.8	77.5°	1147.3	117.1	35.2	14.5	8.3	8.3	19.7	22.8	14.5	7.3
320.2	80°	256.0	48.7	14.5	6.2	3.1	3.1	4.1	4.1	2.1	0.0
98.5	82.5°	83.9	19.7	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
24.9	85°	32.1	7.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.3	87.5°	12.4	1.0	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

180°
2559.8
2525.6
2220.9
1767.0
1186.6
714.1
529.6
496.4
473.6
442.5
402.1
362.7
322.3
274.6
230.1
195.9
178.3
167.9
160.6
154.4
148.2
139.9
131.6
122.3
107.8
85.0
62.2
52.9
41.5
31.1
18.7
6.2
0.0
0.0
0.0
0.0
0.0

F REPORT)