

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: P955450

Luminaire Tested: **GALN-SB8B-927-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8B-927-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

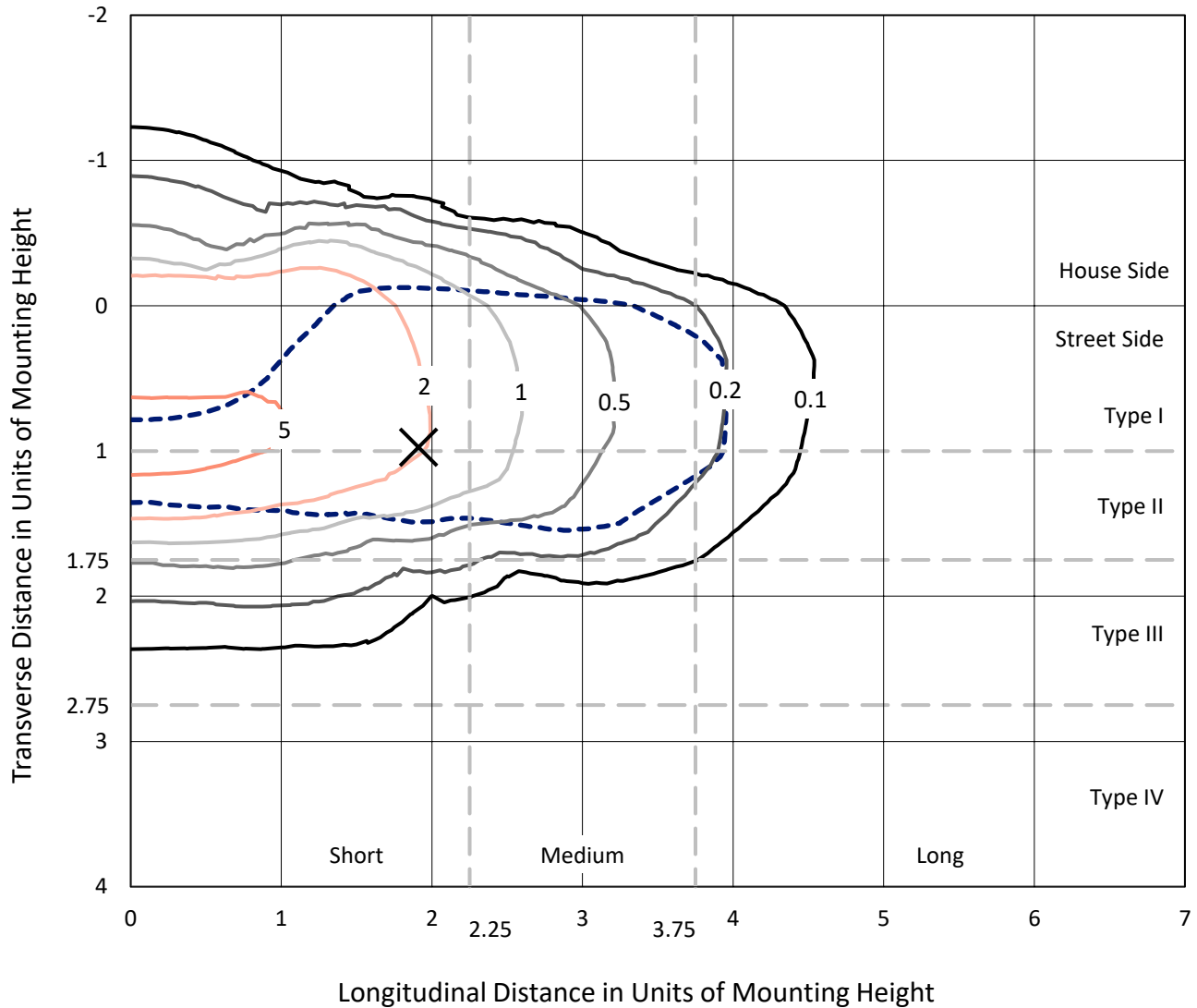
Lumens per Lamp: N/A  
Luminaire Lumens: 21182 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P955450  
 CATALOG NUMBER: GALN-SB8B-927-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

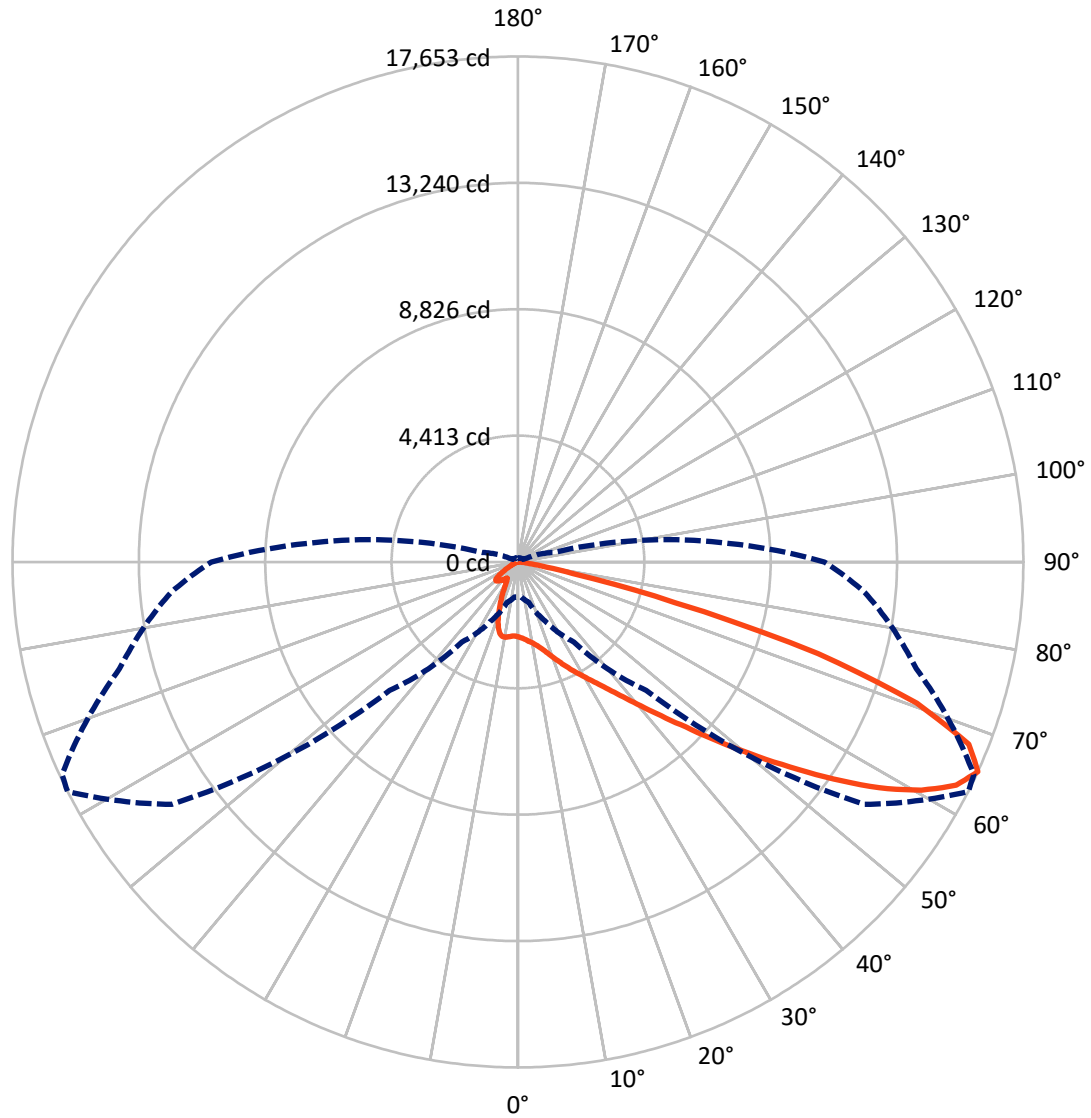
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P955450  
CATALOG NUMBER: GALN-SB8B-927-U-T2U-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P955450  
 CATALOG NUMBER: GALN-SB8B-927-U-T2U-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3113.6	0.0	3113.6
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	18068.4	0.0	18068.4
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	21182.0	0.0	21182.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.3	1.2
10°-20°	683.4	3.2
20°-30°	1190.0	5.6
30°-40°	2144.9	10.1
40°-50°	4254.0	20.1
50°-60°	5794.6	27.4
60°-70°	4625.2	21.8
70°-80°	2093.0	9.9
80°-90°	150.4	0.7
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°	21182.0	100.0
0°-180°	21182.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P955450

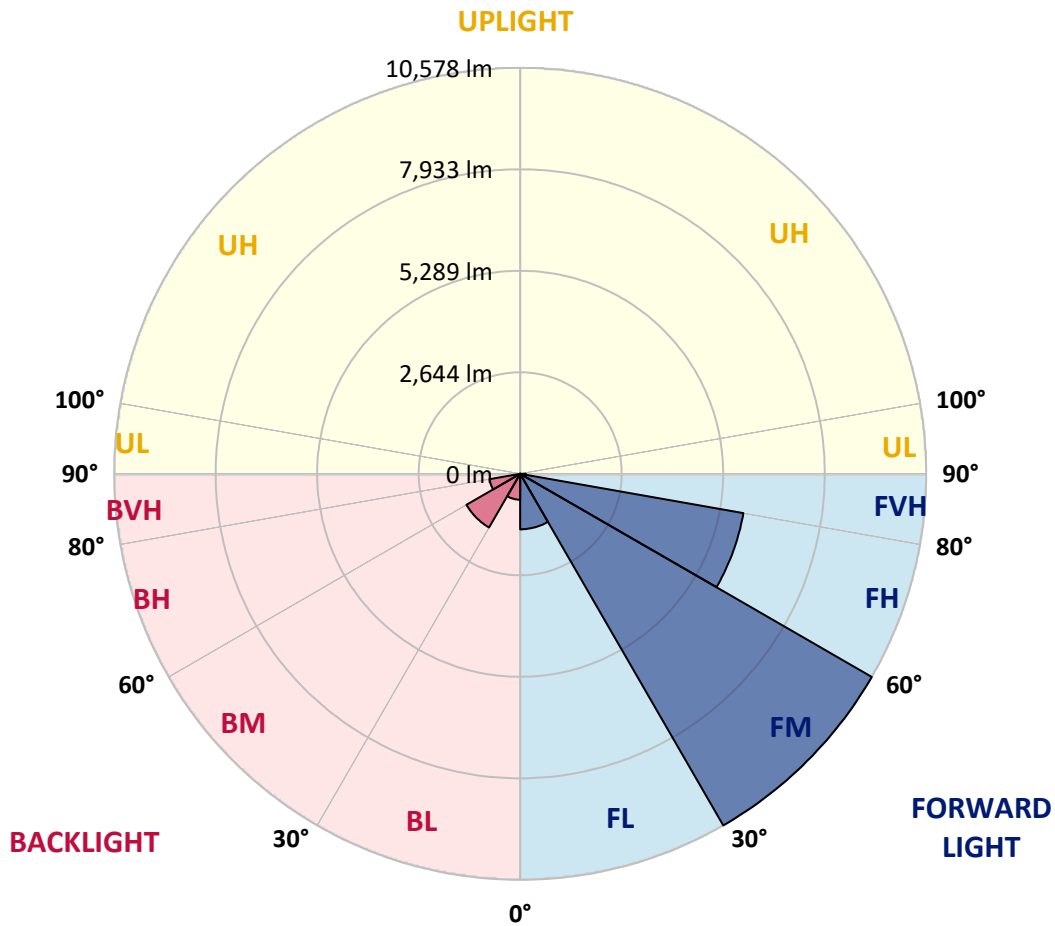
CATALOG NUMBER: GALN-SB8B-927-U-T2U-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1445.9	6.8			
FM (30°-60°)	10577.8	49.9			
FH (60°-80°)	5905.4	27.9			G3/7500
FVH (80°-90°)	139.3	0.7			G2/225
BL (0°-30°)	673.8	3.2	B2/1000		
BM (30°-60°)	1615.8	7.6	B2/2500		
BH (60°-80°)	812.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Short



REPORT NUMBER: P955450  
 CATALOG NUMBER: GALN-SB8B-927-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3
2.5°	2675.5	2668.2	2678.4	2674.0	2671.1	2665.3	2662.3	2659.4	2653.6	2649.2
5°	2682.7	2678.4	2688.6	2697.3	2706.1	2714.8	2719.2	2725.0	2719.2	2707.5
7.5°	2621.5	2618.6	2640.5	2666.7	2706.1	2739.6	2776.0	2796.4	2797.9	2793.5
10°	2617.2	2609.9	2631.7	2663.8	2714.8	2774.6	2838.7	2882.4	2888.2	2907.2
12.5°	2685.7	2678.4	2709.0	2744.0	2796.4	2859.1	2937.8	2999.0	3007.7	3033.9
15°	2800.8	2790.6	2825.6	2870.7	2937.8	3009.2	3092.2	3147.6	3154.9	3186.9
17.5°	2934.8	2924.6	2965.4	3013.5	3086.4	3184.0	3280.2	3341.4	3350.2	3370.6
20°	3106.8	3093.7	3125.7	3169.5	3246.7	3363.3	3478.4	3565.8	3564.4	3564.4
22.5°	3306.4	3286.0	3313.7	3348.7	3421.6	3562.9	3715.9	3819.4	3819.4	3778.6
25°	3520.7	3500.3	3530.9	3562.9	3627.0	3787.3	3966.6	4094.8	4100.6	4030.7
27.5°	3788.8	3762.6	3785.9	3823.8	3861.6	4024.9	4237.6	4386.2	4389.2	4281.3
30°	4304.6	4230.3	4157.5	4116.7	4134.1	4295.9	4523.2	4687.9	4702.5	4553.8
32.5°	5248.9	5234.3	4977.9	4642.7	4467.8	4587.3	4842.4	5040.5	5049.3	4858.4
35°	6716.3	6698.9	6286.5	5648.2	5078.4	4977.9	5230.0	5464.6	5458.8	5243.1
37.5°	8467.9	8451.9	7908.4	7054.4	6132.0	5568.1	5729.8	5976.1	6012.5	5729.8
40°	9964.5	9904.7	9560.8	8737.5	7530.9	6547.3	6440.9	6604.1	6642.0	6306.9
42.5°	11098.2	11047.2	10872.3	10357.9	9224.2	7995.8	7278.8	7341.5	7383.8	6981.6
45°	11685.5	11673.8	11743.8	11695.7	10949.6	9773.6	8476.7	8215.8	8231.9	7729.1
47.5°	11768.5	11762.7	12081.8	12533.6	12433.0	11778.7	10014.0	9305.8	9249.0	8572.8
50°	11278.9	11267.3	11879.3	12725.9	13423.9	13463.3	11759.8	10534.3	10408.9	9445.7
52.5°	9715.3	9712.4	10717.9	12127.0	13772.2	14938.0	13485.1	11883.7	11673.8	10369.6
55°	7475.6	7529.5	8682.1	10347.7	13136.9	15647.7	15034.2	13381.7	13059.6	11299.3
57.5°	5295.6	5374.2	6513.8	7997.2	11166.7	15228.0	16081.9	14882.6	14535.8	12226.1
60°	2844.5	2914.4	4055.5	5826.0	8307.6	13662.9	16634.2	16185.4	15857.5	13106.3
62.5°	1694.8	1718.1	2190.2	3761.1	5619.1	10438.1	16399.6	17177.8	16908.2	13845.1
65°	1216.8	1221.2	1458.7	2296.6	3411.4	6341.8	14754.4	17652.8	17569.7	14401.7
67.5°	1024.4	1021.5	1120.6	1525.7	2324.3	3176.7	11308.1	16981.0	17333.7	14754.4
70°	878.7	883.1	999.7	1117.7	1747.2	1798.2	5622.0	14785.0	15536.9	14847.7
72.5°	654.3	668.9	776.7	1018.6	1318.8	1237.2	1941.0	10962.7	12322.3	13989.3
75°	461.9	469.2	546.5	856.8	983.6	900.6	990.9	5667.1	7410.0	10725.2
77.5°	355.6	368.7	413.9	598.9	969.1	632.4	606.2	1961.4	3013.5	6478.8
80°	192.4	215.7	298.7	432.8	680.5	447.4	300.2	781.1	1021.5	3029.6
82.5°	99.1	110.7	208.4	311.8	387.6	390.5	148.6	325.0	421.1	935.5
85°	39.3	48.1	139.9	172.0	199.6	192.4	67.0	131.2	151.6	259.4
87.5°	8.7	14.6	51.0	39.3	37.9	40.8	16.0	30.6	29.1	30.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955450  
 CATALOG NUMBER: GALN-SB8B-927-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2614.3	0°	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3	2614.3
2631.7	2.5°	2630.3	2624.5	2608.4	2590.9	2570.5	2558.9	2551.6	2550.1	2539.9	2532.7
2690.0	5°	2674.0	2668.2	2637.6	2601.1	2561.8	2531.2	2502.1	2475.8	2437.9	2430.6
2774.6	7.5°	2761.4	2745.4	2695.9	2646.3	2572.0	2483.1	2375.3	2251.4	2140.7	2107.1
2886.8	10°	2869.3	2847.4	2784.8	2697.3	2532.7	2290.8	2029.9	1788.0	1595.7	1541.7
3019.4	12.5°	2991.7	2972.7	2889.7	2727.9	2368.0	1929.4	1530.1	1229.9	1043.4	996.7
3160.7	15°	3137.4	3109.7	2994.6	2681.3	2073.6	1466.0	1050.7	872.9	805.8	797.1
3322.5	17.5°	3291.9	3246.7	3087.9	2513.7	1677.3	1041.9	811.7	760.7	731.5	722.8
3485.7	20°	3433.2	3374.9	3143.2	2260.2	1253.2	811.7	727.2	693.6	667.4	657.2
3648.9	22.5°	3574.6	3491.5	3143.2	1914.8	939.9	719.9	667.4	636.8	606.2	593.1
3823.8	25°	3721.7	3611.0	3087.9	1530.1	756.3	660.1	610.6	577.1	550.8	534.8
3989.9	27.5°	3864.6	3711.5	2961.1	1165.8	673.2	607.7	558.1	526.1	501.3	489.6
4170.6	30°	4000.1	3810.6	2783.3	884.5	619.3	556.7	510.0	482.3	457.6	445.9
4405.2	32.5°	4183.7	3936.0	2593.9	725.7	572.7	508.6	466.3	440.1	418.2	409.5
4709.7	35°	4438.7	4121.0	2430.6	712.6	533.3	469.2	427.0	402.2	380.3	373.0
5103.2	37.5°	4800.1	4419.8	2344.7	800.0	501.3	434.3	394.9	368.7	348.3	342.4
5603.0	40°	5246.0	4824.9	2391.3	887.4	479.4	403.7	365.8	339.5	322.0	314.8
6177.2	42.5°	5775.0	5324.7	2649.2	954.5	464.9	377.4	338.1	308.9	297.3	294.4
6828.5	45°	6382.6	5874.1	3044.1	1025.9	441.5	352.6	310.4	288.5	279.8	278.3
7536.8	47.5°	7073.4	6477.4	3501.7	1114.8	418.2	329.3	288.5	274.0	266.7	263.8
8275.6	50°	7758.3	7085.0	3972.4	1164.3	399.3	307.5	271.0	259.4	253.6	252.1
9056.6	52.5°	8475.2	7710.2	4352.7	1117.7	383.2	290.0	256.5	247.7	241.9	240.4
9776.5	55°	9158.6	8215.8	4418.3	948.7	351.2	272.5	240.4	236.1	228.8	228.8
10506.6	57.5°	9747.4	8469.4	3954.9	696.6	319.1	246.3	224.4	220.0	214.2	212.8
11165.2	60°	10288.0	8396.5	3052.9	469.2	284.2	220.0	204.0	201.1	195.3	188.0
11737.9	62.5°	10592.6	8075.9	2088.2	306.0	249.2	192.4	180.7	179.2	166.1	151.6
12162.0	65°	10707.7	7417.3	1302.8	223.0	208.4	164.7	155.9	153.0	134.1	118.0
12402.4	67.5°	10607.1	6333.1	657.2	176.3	164.7	137.0	128.2	128.2	115.1	100.5
12387.9	70°	10204.9	4747.6	276.9	141.4	126.8	104.9	104.9	110.7	97.6	81.6
11745.2	72.5°	9332.1	3194.2	147.2	107.8	94.7	74.3	86.0	90.3	77.2	61.2
9613.3	75°	7418.7	1948.3	102.0	80.1	59.7	52.5	65.6	68.5	52.5	40.8
6591.0	77.5°	5074.1	1119.1	68.5	51.0	37.9	30.6	45.2	42.3	27.7	18.9
2541.4	80°	2228.1	466.3	39.3	23.3	14.6	11.7	16.0	11.7	8.7	5.8
348.3	82.5°	260.8	109.3	14.6	8.7	5.8	2.9	1.5	0.0	0.0	0.0
106.4	85°	53.9	13.1	7.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0
18.9	87.5°	10.2	2.9	1.5	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>
2614.3
2539.9
2427.7
2091.1
1521.3
983.6
788.4
718.4
651.4
585.8
529.0
489.6
447.4
409.5
373.0
341.0
313.3
294.4
276.9
263.8
252.1
240.4
227.3
211.3
186.5
148.6
116.6
99.1
80.1
61.2
39.3
20.4
5.8
0.0
0.0
0.0
0.0

F REPORT)