

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: P951525

Luminaire Tested: **GALN-SB5C-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951525
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-SB5C-927-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA 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: 19171 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

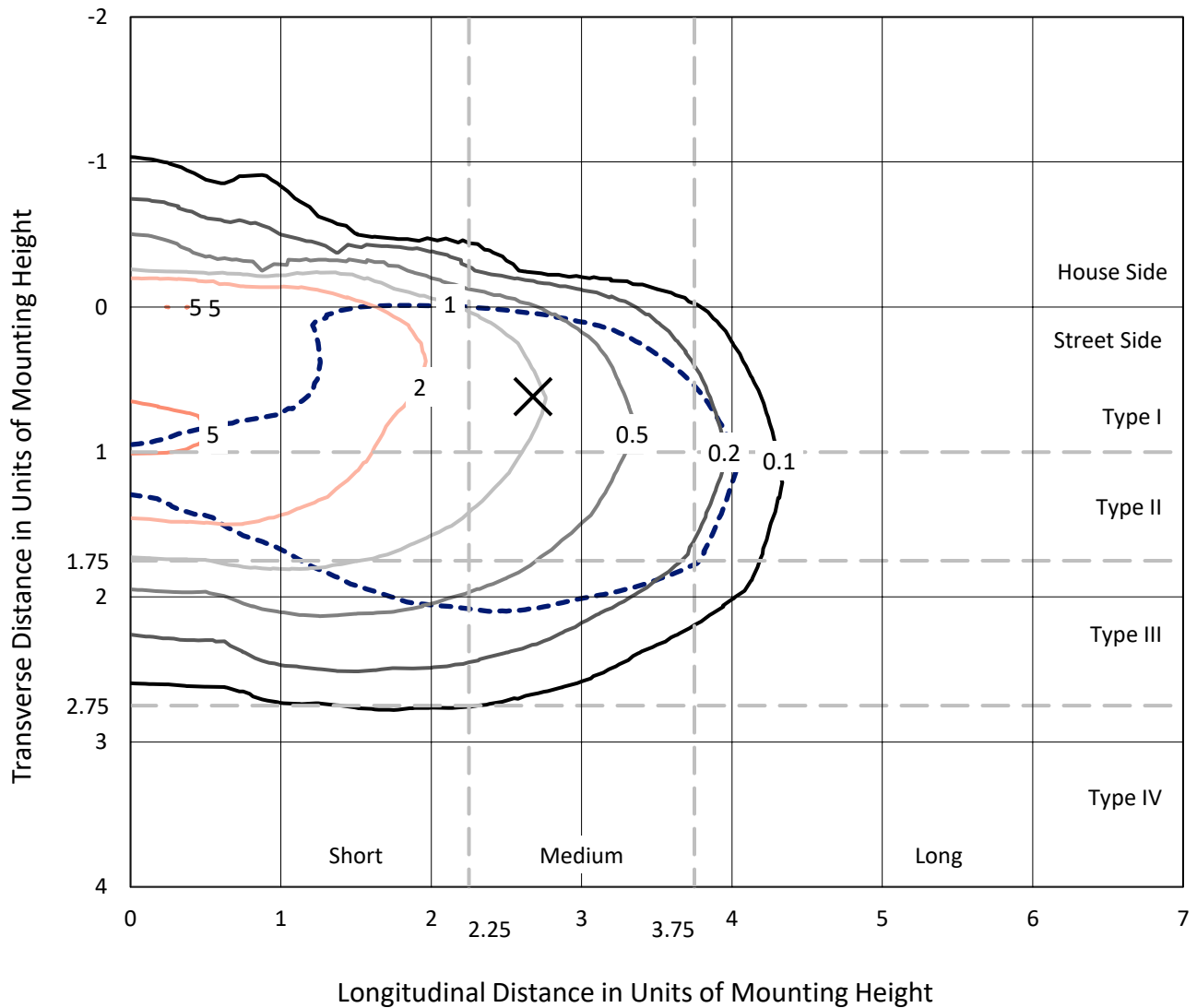
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951525
 CATALOG NUMBER: GALN-SB5C-927-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

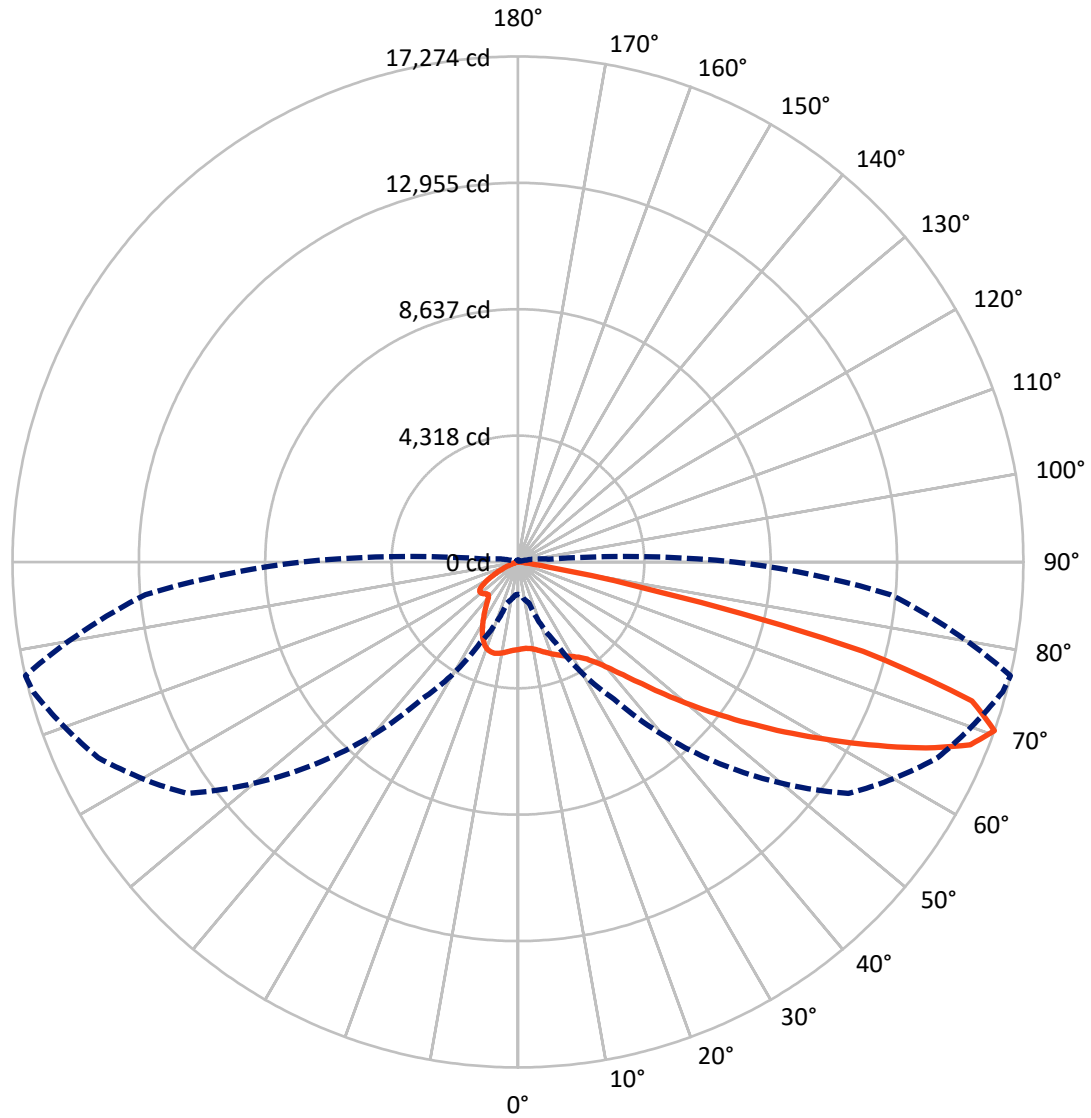
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P951525
CATALOG NUMBER: GALN-SB5C-927-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P951525
 CATALOG NUMBER: GALN-SB5C-927-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2020.9	0.0	2020.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	17150.1	0.0	17150.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	19171.0	0.0	19171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.7	1.3
10°-20°	611.8	3.2
20°-30°	946.3	4.9
30°-40°	1717.1	9.0
40°-50°	3241.2	16.9
50°-60°	4683.2	24.4
60°-70°	4985.2	26.0
70°-80°	2641.8	13.8
80°-90°	86.7	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°	19171.0	100.0
0°-180°	19171.0	100.0

Coefficient of Utilization



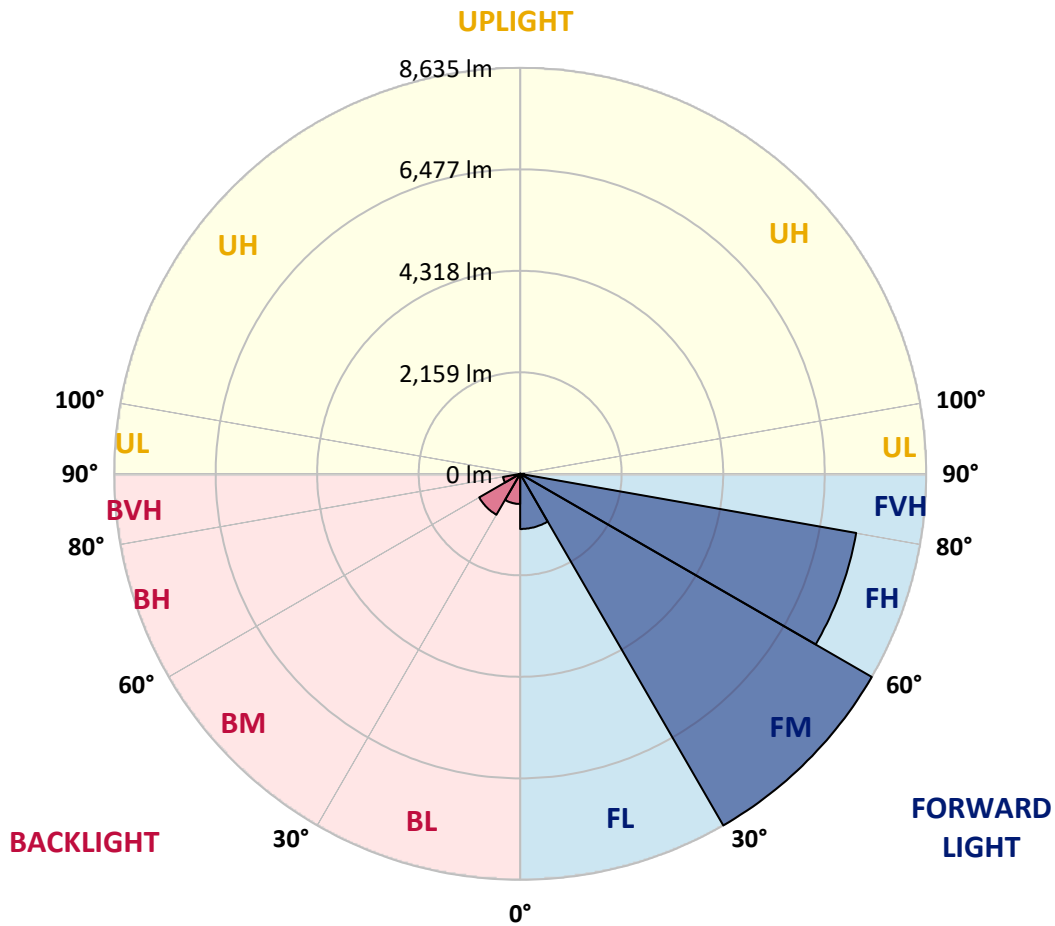
REPORT NUMBER: P951525
 CATALOG NUMBER: GALN-SB5C-927-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.7	6.1			
FM (30°-60°)	8635.5	45.0			
FH (60°-80°)	7256.5	37.9			G3/7500
FVH (80°-90°)	84.4	0.4			G1/100
BL (0°-30°)	642.1	3.3	B2/1000		
BM (30°-60°)	1006.0	5.2	B2/2500		
BH (60°-80°)	370.5	1.9	B1/500		G1/500
BVH (80°-90°)	2.3	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: P951525
 CATALOG NUMBER: GALN-SB5C-927-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3
2.5°	2807.5	2832.9	2829.3	2846.3	2852.3	2876.5	2900.7	2933.4	2969.7	2968.5
5°	2648.9	2674.3	2680.4	2703.4	2732.5	2770.0	2819.6	2885.0	2952.8	2963.7
7.5°	2461.3	2487.9	2503.6	2549.6	2602.9	2680.4	2761.5	2857.2	2969.7	2985.5
10°	2273.6	2297.8	2318.4	2383.8	2468.5	2583.5	2715.5	2853.5	3004.9	3027.9
12.5°	2157.4	2180.4	2203.4	2260.3	2365.6	2506.1	2685.2	2870.5	3063.0	3095.7
15°	2116.2	2136.8	2155.0	2205.8	2303.9	2463.7	2679.2	2905.6	3136.8	3180.4
17.5°	2122.3	2133.2	2145.3	2184.0	2279.7	2444.3	2690.1	2966.1	3224.0	3262.7
20°	2157.4	2163.4	2164.7	2191.3	2276.0	2441.9	2711.9	3024.2	3306.3	3358.4
22.5°	2202.2	2204.6	2202.2	2220.4	2299.0	2460.1	2740.9	3094.4	3398.3	3446.7
25°	2411.6	2365.6	2307.5	2272.4	2337.8	2495.2	2784.5	3188.9	3498.8	3546.0
27.5°	3061.8	2929.8	2721.6	2487.9	2417.7	2546.0	2845.1	3284.5	3600.5	3642.9
30°	4117.5	3944.3	3590.8	3064.2	2674.3	2652.6	2923.7	3380.2	3708.3	3754.3
32.5°	5175.6	5133.2	4725.2	3996.4	3251.8	2889.8	3054.5	3509.7	3851.1	3887.4
35°	6245.8	6159.8	5825.7	5105.4	4141.7	3372.9	3272.4	3679.2	4038.8	4079.9
37.5°	7065.4	7013.4	6806.3	6213.1	5197.4	4118.7	3645.3	3941.9	4311.2	4357.2
40°	7789.4	7765.2	7695.0	7303.9	6377.8	5094.5	4225.2	4348.7	4688.9	4743.4
42.5°	8358.4	8415.3	8455.2	8346.3	7594.5	6208.3	5004.9	4920.1	5215.5	5271.2
45°	8940.7	8960.1	9121.1	9278.5	8802.7	7372.9	5883.8	5589.6	5870.5	5939.5
47.5°	9314.8	9392.3	9675.6	9952.8	9818.5	8527.9	6828.1	6380.2	6629.6	6759.1
50°	9342.7	9489.2	9879.0	10362.0	10558.2	9627.2	7854.8	7280.9	7546.0	7688.9
52.5°	8879.0	9106.6	9710.7	10417.7	10957.7	10558.2	8916.5	8181.6	8521.8	8708.3
55°	6807.5	7105.4	9077.5	10115.1	10973.4	11264.0	9950.4	9119.9	9609.0	9819.7
57.5°	5931.0	6081.1	7136.8	9589.6	10681.7	11548.5	10885.0	10013.4	10791.8	11053.3
60°	4934.6	5132.0	5985.5	8730.1	10285.8	11576.3	11710.7	11165.9	12073.9	12368.1
62.5°	3353.5	3567.8	4416.5	7253.1	9744.6	11563.0	12387.5	12352.4	13498.9	13814.8
65°	2077.5	2211.9	2771.2	5922.5	8987.9	11577.5	13095.7	13793.0	15002.5	15323.3
67.5°	1641.7	1703.4	1995.2	4547.2	7684.1	11250.7	13802.7	15147.8	16417.8	16672.0
70°	1102.9	1140.4	1451.6	3048.4	5716.7	9742.2	13789.4	15828.2	17146.6	17273.7
72.5°	581.1	610.2	848.7	1411.6	3452.8	6925.0	11623.5	15014.6	16421.4	16230.1
75°	290.6	339.0	571.4	716.7	1474.6	3862.0	7218.0	11837.8	12925.0	12184.1
77.5°	220.3	266.3	472.2	472.2	513.3	1300.2	3056.9	6456.4	5955.2	4958.9
80°	140.4	181.6	412.8	357.1	214.3	330.5	796.6	1808.7	1265.1	962.5
82.5°	82.3	118.6	343.8	236.1	119.9	122.3	225.2	385.0	328.1	255.4
85°	32.7	77.5	236.1	93.2	47.2	30.3	67.8	82.3	67.8	50.8
87.5°	0.0	18.2	41.2	0.0	3.6	2.4	4.8	6.1	6.1	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951525
 CATALOG NUMBER: GALN-SB5C-927-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2990.3	0°	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3	2990.3
2992.8	2.5°	3003.6	3006.1	3013.3	3014.5	2997.6	2975.8	2967.3	2963.7	2949.2	2948.0
3012.1	5°	3040.0	3050.9	3040.0	3008.5	2933.4	2828.1	2748.2	2682.8	2623.5	2605.3
3078.7	7.5°	3112.6	3123.5	3090.8	2967.3	2778.5	2569.0	2380.2	2247.0	2127.1	2082.3
3159.8	10°	3216.7	3231.3	3128.3	2878.9	2544.8	2208.2	1888.6	1663.4	1487.9	1416.5
3270.0	12.5°	3347.5	3353.5	3148.9	2744.6	2240.9	1760.3	1307.5	1066.6	910.4	852.3
3403.2	15°	3491.5	3483.1	3151.3	2561.8	1826.9	1244.6	853.5	701.0	638.0	618.6
3536.3	17.5°	3642.9	3607.8	3102.9	2297.8	1372.9	851.1	633.2	596.9	586.0	581.1
3668.3	20°	3791.8	3713.1	3014.5	1952.8	985.5	635.6	575.1	564.2	558.1	555.7
3801.5	22.5°	3927.4	3793.0	2863.2	1552.1	715.5	561.7	543.6	533.9	523.0	518.2
3931.0	25°	4059.3	3839.0	2650.1	1178.0	572.6	525.4	510.9	492.7	478.2	472.2
4070.2	27.5°	4187.7	3868.1	2383.8	871.7	510.9	491.5	464.9	439.5	428.6	426.2
4219.1	30°	4324.5	3877.7	2081.1	650.1	473.4	449.2	410.4	381.4	375.3	376.5
4420.1	32.5°	4491.5	3892.3	1776.0	532.7	441.9	398.3	352.3	322.0	317.2	322.0
4713.1	35°	4691.3	3921.3	1481.8	490.3	414.0	346.2	296.6	271.2	266.3	270.0
5088.4	37.5°	4962.5	3968.5	1207.0	481.8	391.0	302.7	249.4	228.8	228.8	230.0
5548.5	40°	5323.3	4094.5	961.3	475.8	378.9	270.0	210.7	202.2	205.8	208.2
6134.4	42.5°	5762.7	4362.0	795.4	468.5	365.6	255.4	191.3	187.7	193.7	196.1
6836.6	45°	6255.5	4701.0	737.3	456.4	353.5	265.1	182.8	178.0	185.2	186.4
7623.5	47.5°	6765.2	5032.7	730.0	443.1	341.4	279.7	180.4	169.5	178.0	179.2
8463.7	50°	7280.9	5249.4	737.3	422.5	322.0	279.7	181.6	161.0	168.3	171.9
9335.4	52.5°	7800.3	5348.7	732.4	377.7	288.1	262.7	181.6	153.8	161.0	163.4
10277.3	55°	8303.9	5329.3	658.6	311.1	244.6	232.4	176.8	147.7	152.5	153.8
11167.1	57.5°	8702.2	5059.3	521.8	242.1	198.5	193.7	161.0	140.4	144.1	142.9
11983.1	60°	8910.5	4466.1	372.9	186.4	156.2	152.5	141.6	130.8	133.2	127.1
12674.4	62.5°	8912.9	3681.6	249.4	147.7	124.7	121.1	121.1	117.4	115.0	102.9
13209.5	65°	8722.8	2811.2	165.9	117.4	100.5	94.4	101.7	100.5	92.0	75.1
13372.9	67.5°	8291.8	1842.6	125.9	92.0	77.5	73.9	81.1	84.7	78.7	63.0
12777.3	70°	7405.6	1072.6	104.1	71.4	58.1	54.5	65.4	72.6	65.4	50.8
10921.4	72.5°	6151.4	578.7	84.7	53.3	40.0	36.3	52.1	59.3	52.1	37.5
7007.3	75°	3991.5	309.9	65.4	35.1	20.6	23.0	38.7	43.6	36.3	24.2
2056.9	77.5°	1340.2	136.8	41.2	16.9	9.7	9.7	23.0	26.6	16.9	8.5
374.1	80°	299.0	56.9	16.9	7.3	3.6	3.6	4.8	4.8	2.4	0.0
115.0	82.5°	98.1	23.0	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
29.1	85°	37.5	8.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.7	87.5°	14.5	1.2	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>
2990.3
2950.4
2594.4
2064.2
1386.2
834.1
618.6
579.9
553.3
517.0
469.7
423.7
376.5
320.8
268.8
228.8
208.2
196.1
187.7
180.4
173.1
163.4
153.8
142.9
125.9
99.3
72.6
61.7
48.4
36.3
21.8
7.3
0.0
0.0
0.0
0.0
0.0

F REPORT)