

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: P944236

Luminaire Tested: **GALN-SB9A-830-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28793 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

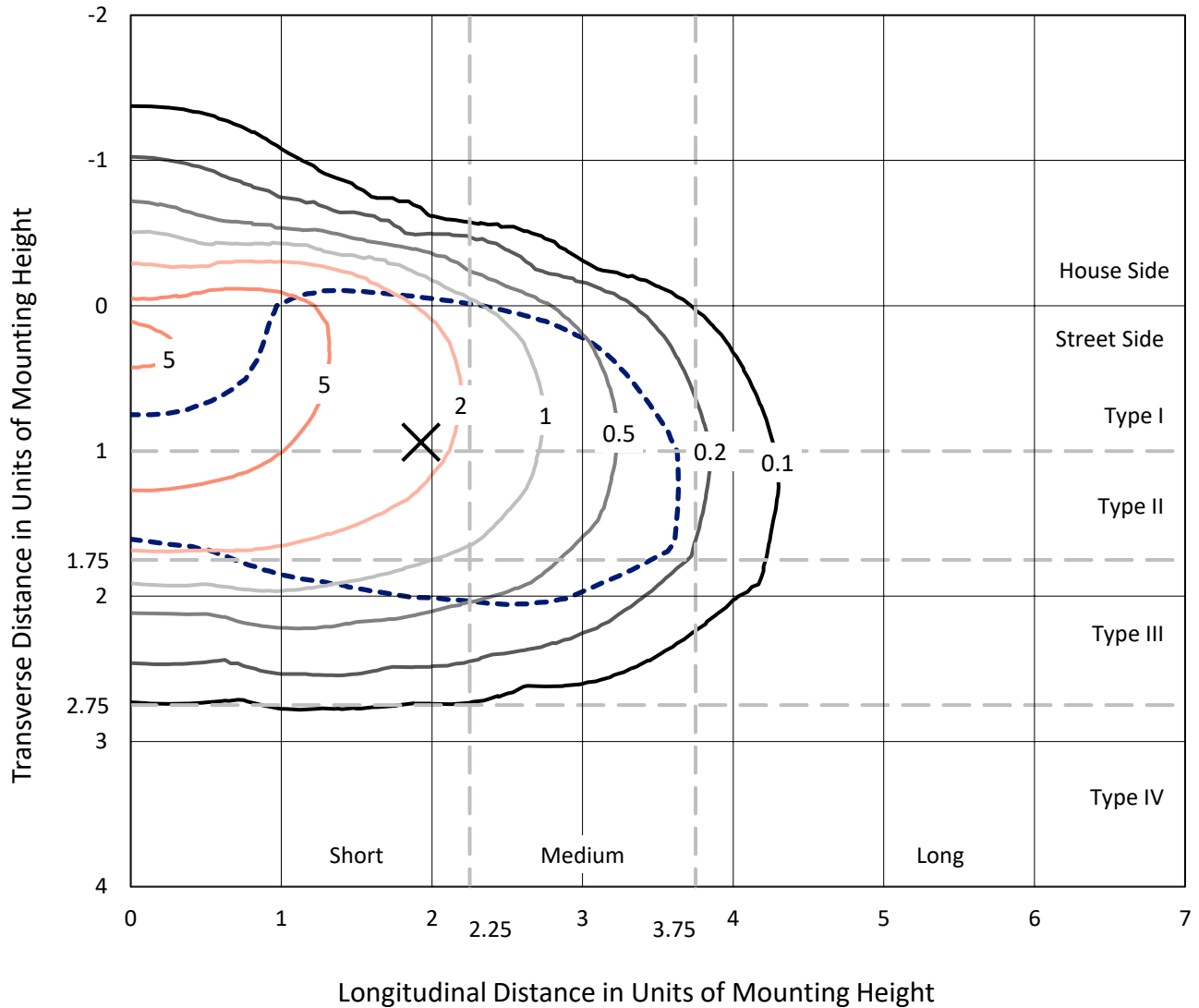
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944236
 CATALOG NUMBER: GALN-SB9A-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

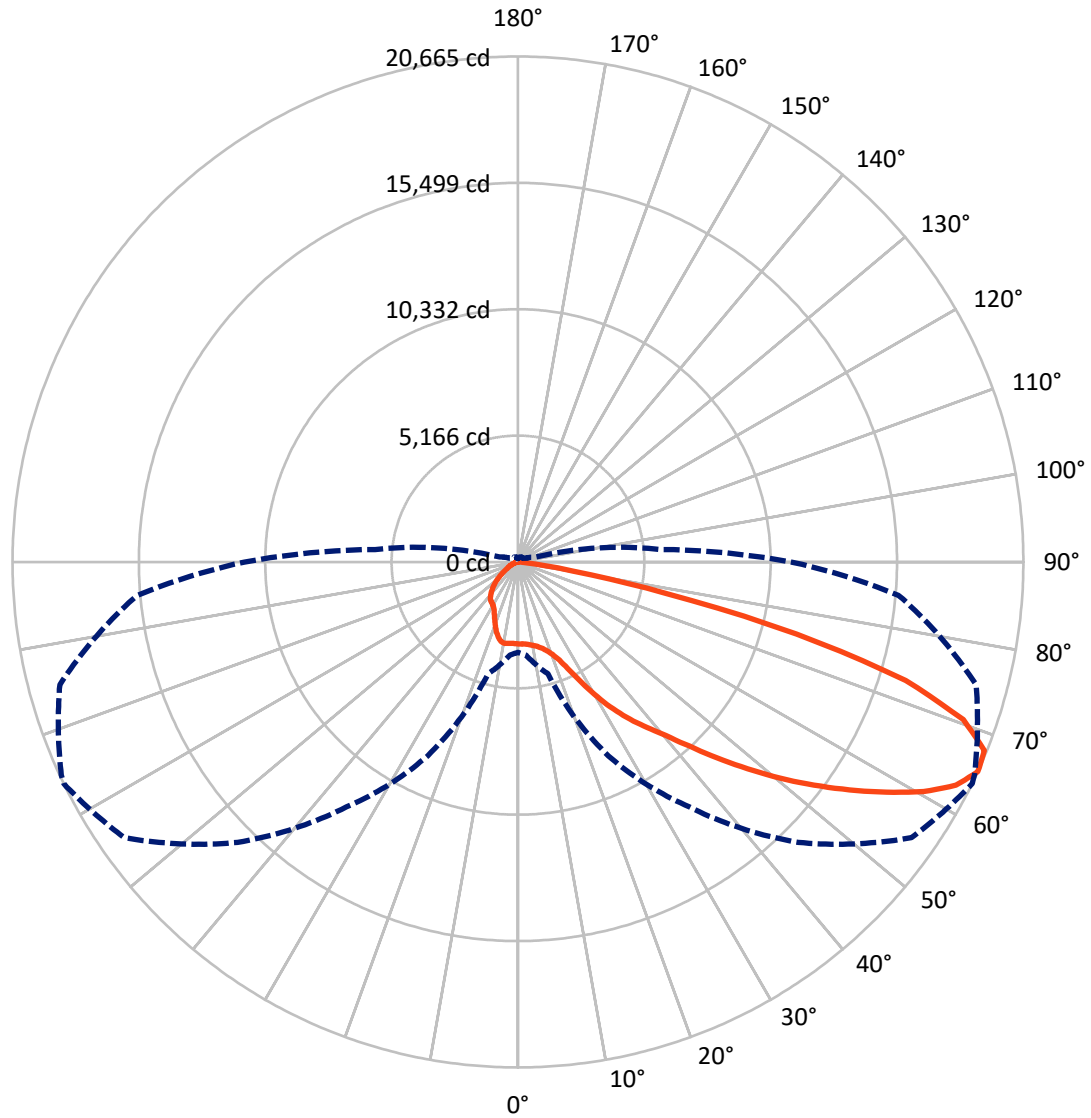
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

REPORT NUMBER: P944236
CATALOG NUMBER: GALN-SB9A-830-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P944236

CATALOG NUMBER: GALN-SB9A-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3850.5	0.0	3850.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	24942.5	0.0	24942.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	28793.0	0.0	28793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.0	1.1
10°-20°	838.0	2.9
20°-30°	1588.0	5.5
30°-40°	3213.3	11.2
40°-50°	5473.9	19.0
50°-60°	7444.1	25.9
60°-70°	6990.4	24.3
70°-80°	2800.6	9.7
80°-90°	135.7	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°	28793.0	100.0
0°-180°	28793.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944236

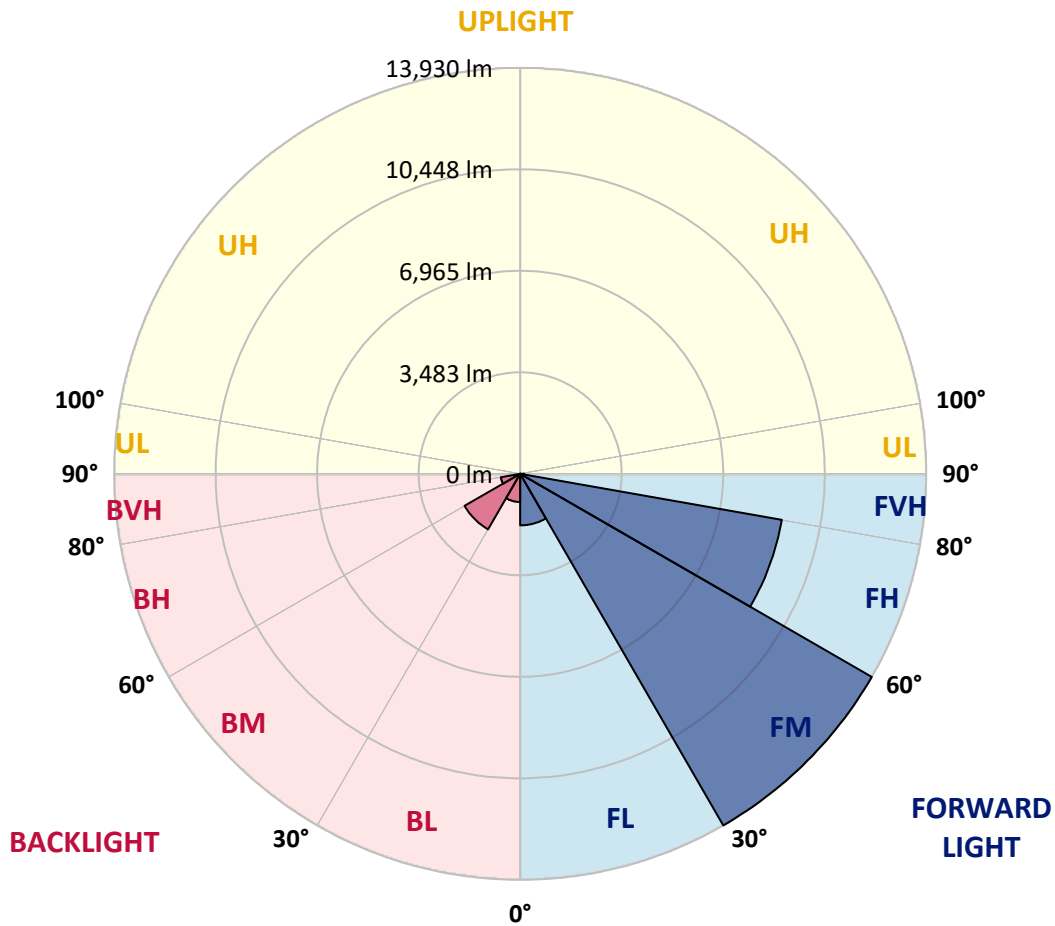
CATALOG NUMBER: GALN-SB9A-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1768.2	6.1			
FM (30°-60°)	13930.0	48.4			
FH (60°-80°)	9115.2	31.7			G4/12000
FVH (80°-90°)	129.1	0.4			G2/225
BL (0°-30°)	966.7	3.4	B2/1000		
BM (30°-60°)	2201.3	7.6	B2/2500		
BH (60°-80°)	675.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.6	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-G4

Type III Short



REPORT NUMBER: P944236

CATALOG NUMBER: GALN-SB9A-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9
2.5°	3337.3	3360.5	3354.7	3348.9	3347.0	3350.9	3352.8	3350.9	3350.9	3350.9
5°	3273.6	3292.9	3292.9	3306.5	3325.8	3348.9	3366.3	3370.2	3374.0	3379.8
7.5°	3152.0	3167.5	3179.1	3223.5	3271.7	3333.5	3385.6	3412.6	3416.5	3437.7
10°	3069.0	3088.3	3107.6	3154.0	3223.5	3316.1	3404.9	3470.5	3480.2	3530.4
12.5°	3065.2	3084.5	3109.6	3159.8	3240.8	3339.3	3447.4	3541.9	3559.3	3632.7
15°	3105.7	3128.9	3152.0	3213.8	3300.7	3420.3	3536.2	3653.9	3671.3	3775.5
17.5°	3188.7	3219.6	3237.0	3298.7	3391.4	3524.6	3677.1	3812.2	3827.6	3949.2
20°	3352.8	3389.5	3395.3	3445.4	3536.2	3679.0	3860.4	4028.4	4047.7	4186.6
22.5°	3692.5	3744.6	3698.3	3723.4	3804.5	3947.3	4144.2	4356.5	4383.5	4541.8
25°	4290.9	4364.2	4244.5	4202.1	4236.8	4385.5	4632.5	4900.8	4931.7	5059.1
27.5°	5466.4	5371.8	5190.4	5012.8	4908.5	4993.5	5271.4	5603.4	5642.0	5765.6
30°	6757.7	6674.7	6429.5	6035.8	5788.7	5775.2	6031.9	6402.5	6446.9	6564.7
32.5°	8050.9	7971.8	7705.4	7220.9	6792.4	6580.1	6757.7	7168.8	7192.0	7267.3
35°	9322.9	9241.9	8975.5	8479.4	7952.5	7469.9	7435.2	7898.4	7906.2	7985.3
37.5°	10602.7	10535.1	10251.4	9765.0	9245.7	8579.8	8257.5	8589.5	8599.1	8676.3
40°	11515.7	11544.6	11349.7	10973.3	10527.4	9799.7	9180.1	9324.9	9267.0	9396.3
42.5°	12299.3	12357.2	12187.4	11998.2	11739.6	11098.7	10322.8	10297.7	10205.1	10274.5
45°	12976.8	13025.1	12872.6	12828.2	12822.4	12372.7	11571.6	11421.1	11291.8	11278.3
47.5°	13225.8	13318.5	13384.1	13532.7	13822.3	13633.1	12863.0	12629.4	12484.6	12378.5
50°	13320.4	13418.9	13642.8	14075.1	14760.4	14841.4	14148.5	13886.0	13708.4	13515.4
52.5°	13193.0	13368.7	13669.8	14397.5	15391.5	15810.4	15381.9	15152.2	14949.5	14634.9
55°	12442.2	12617.8	13233.6	14393.6	15706.2	16489.8	16547.7	16445.4	16217.7	15721.6
57.5°	10859.4	11120.0	12094.7	13903.3	15700.4	17074.7	17690.4	17763.8	17509.0	16798.7
60°	8666.7	9019.9	10208.9	12816.6	15215.9	17391.2	18692.2	19059.0	18788.7	17860.3
62.5°	6047.4	6456.6	7581.9	11114.2	14107.9	17163.5	19423.8	20101.3	19896.7	18810.0
65°	3688.6	3819.9	4727.1	8745.8	12224.1	16210.0	19649.6	20664.9	20597.3	19391.0
67.5°	2457.2	2567.2	2827.8	5997.2	9488.9	14304.8	19109.1	20566.5	20585.8	19296.4
70°	1480.5	1575.1	1744.9	3487.9	6149.7	11322.6	17435.6	19311.8	19423.8	18032.1
72.5°	609.9	673.6	828.1	1580.8	3184.9	7186.2	13884.0	16580.6	16841.1	15161.8
75°	345.5	378.3	486.4	793.3	1382.0	3348.9	8410.0	11770.5	12154.6	10450.2
77.5°	229.7	245.1	314.6	513.4	777.9	1142.7	3594.1	6132.3	6865.8	5707.6
80°	154.4	167.9	216.2	343.6	505.7	490.3	1144.6	2271.9	2795.0	1961.1
82.5°	104.2	106.2	154.4	225.8	320.4	237.4	337.8	706.5	887.9	567.5
85°	59.8	57.9	113.9	131.3	142.8	98.4	102.3	212.3	278.0	239.3
87.5°	7.7	11.6	44.4	34.7	19.3	21.2	21.2	36.7	54.0	57.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944236
 CATALOG NUMBER: GALN-SB9A-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3348.9	0°	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9	3348.9
3352.8	2.5°	3352.8	3350.9	3345.1	3339.3	3325.8	3318.0	3321.9	3318.0	3316.1	3318.0
3377.9	5°	3377.9	3372.1	3356.6	3337.3	3310.3	3277.5	3256.3	3225.4	3196.4	3179.1
3445.4	7.5°	3445.4	3439.6	3418.4	3364.4	3277.5	3140.5	3015.0	2905.0	2822.0	2773.7
3553.5	10°	3553.5	3543.9	3511.1	3391.4	3163.6	2864.4	2615.4	2408.9	2273.8	2210.1
3680.9	12.5°	3680.9	3669.3	3611.4	3366.3	2947.4	2480.3	2136.7	1907.1	1781.6	1725.6
3827.6	15°	3831.5	3816.0	3702.2	3246.6	2632.8	2055.7	1741.1	1569.3	1488.2	1438.0
4014.8	17.5°	4018.7	3991.7	3769.7	3067.1	2291.2	1731.4	1497.8	1368.5	1297.1	1248.8
4260.0	20°	4261.9	4217.5	3823.8	2852.9	1976.5	1526.8	1333.8	1225.7	1171.6	1129.2
4607.4	22.5°	4601.6	4537.9	3889.4	2621.2	1754.6	1385.9	1212.2	1133.0	1088.6	1040.4
5091.9	25°	5022.4	4947.1	3970.5	2407.0	1602.1	1264.3	1123.4	1057.8	1005.6	949.7
5727.0	27.5°	5611.1	5476.0	4067.0	2231.3	1470.8	1160.1	1042.3	969.0	909.1	862.8
6446.9	30°	6267.4	6045.4	4151.9	2125.2	1351.2	1063.5	936.2	862.8	806.8	774.0
7093.5	32.5°	6888.9	6587.8	4207.9	2078.8	1243.1	953.5	820.3	741.2	698.7	689.1
7726.7	35°	7475.7	7078.1	4202.1	2034.4	1146.5	843.5	706.5	625.4	592.6	598.4
8408.0	37.5°	8151.3	7601.2	4161.5	1965.0	1067.4	743.1	608.0	536.6	507.6	509.6
9236.1	40°	8936.9	8205.3	4136.5	1833.7	980.5	650.5	526.9	469.0	447.8	440.1
10108.5	42.5°	9774.6	8790.2	4140.3	1685.1	872.5	567.5	471.0	422.7	403.4	397.6
11079.4	45°	10616.2	9348.0	4146.1	1530.7	758.6	503.8	430.4	389.9	378.3	370.6
12063.9	47.5°	11407.6	9822.9	4038.0	1364.7	646.6	455.5	397.6	370.6	361.0	351.3
13052.1	50°	12144.9	10139.4	3777.4	1171.6	557.8	416.9	372.5	353.2	343.6	333.9
13947.7	52.5°	12718.2	10189.6	3347.0	972.8	496.1	388.0	357.1	339.7	328.1	318.5
14671.6	55°	12973.0	9875.0	2735.1	787.5	447.8	362.9	341.6	324.3	310.8	301.1
15241.0	57.5°	12907.4	9212.9	2132.9	633.1	401.5	337.8	322.3	310.8	295.3	279.9
15702.3	60°	12585.0	8327.0	1607.9	526.9	359.0	310.8	301.1	291.5	270.2	247.1
15879.9	62.5°	12027.2	7213.2	1146.5	436.2	312.7	279.9	276.0	268.3	237.4	195.0
15617.4	65°	11174.0	5860.1	772.1	362.9	268.3	245.1	247.1	233.6	193.0	144.8
14656.1	67.5°	9927.1	4285.1	494.1	297.3	223.9	204.6	206.5	198.8	164.1	123.5
12834.0	70°	8338.5	2837.4	322.3	225.8	179.5	158.3	169.9	171.8	139.0	100.4
9849.9	72.5°	6113.0	1675.4	225.8	167.9	131.3	110.0	139.0	142.8	112.0	75.3
5925.8	75°	3484.0	795.2	169.9	121.6	81.1	77.2	108.1	108.1	77.2	50.2
2565.3	77.5°	1463.1	332.0	119.7	79.1	46.3	44.4	73.3	67.6	38.6	23.2
625.4	80°	422.7	148.6	63.7	38.6	19.3	17.4	29.0	21.2	9.7	3.9
237.4	82.5°	166.0	65.6	25.1	15.4	7.7	7.7	3.9	0.0	0.0	0.0
135.1	85°	98.4	27.0	11.6	5.8	1.9	0.0	0.0	0.0	0.0	0.0
29.0	87.5°	25.1	5.8	3.9	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>
3348.9
3325.8
3182.9
2775.7
2204.3
1719.8
1439.9
1245.0
1121.5
1032.7
943.9
853.2
768.2
694.9
598.4
517.3
438.2
395.7
370.6
351.3
333.9
316.6
299.2
278.0
243.2
191.1
140.9
117.7
96.5
71.4
46.3
23.2
3.9
0.0
0.0
0.0
0.0

F REPORT)