

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: P953016

Luminaire Tested: **GALN-SB6C-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953016
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-SB6C-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 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: 27398 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

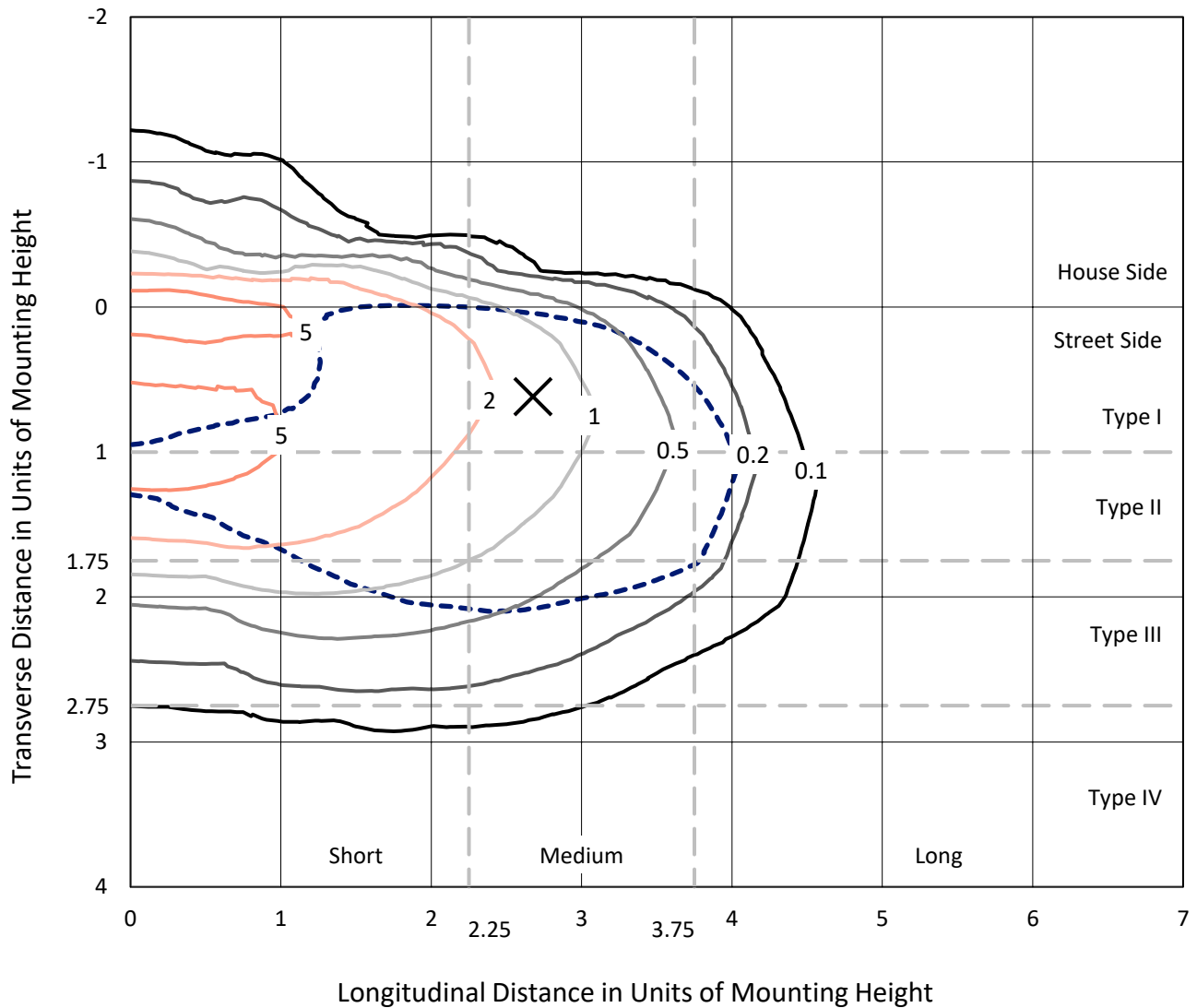
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953016
 CATALOG NUMBER: GALN-SB6C-940-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

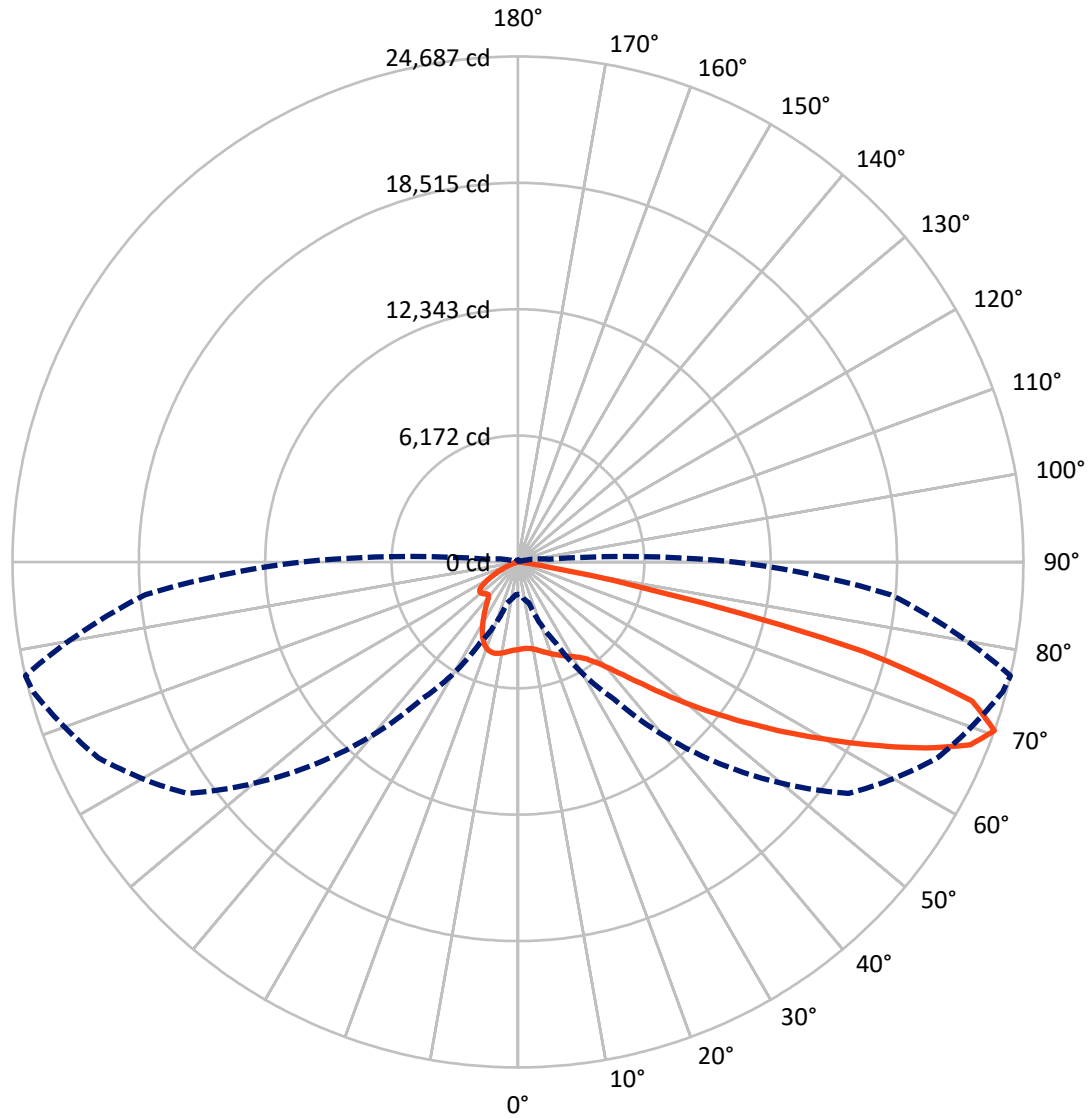
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Medium - N/A

REPORT NUMBER: P953016
CATALOG NUMBER: GALN-SB6C-940-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P953016
 CATALOG NUMBER: GALN-SB6C-940-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2888.1	0.0	2888.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	24509.9	0.0	24509.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	27398.0	0.0	27398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.3	1.3
10°-20°	874.3	3.2
20°-30°	1352.4	4.9
30°-40°	2453.9	9.0
40°-50°	4632.1	16.9
50°-60°	6693.0	24.4
60°-70°	7124.5	26.0
70°-80°	3775.5	13.8
80°-90°	124.0	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°	27398.0	100.0
0°-180°	27398.0	100.0

Coefficient of Utilization



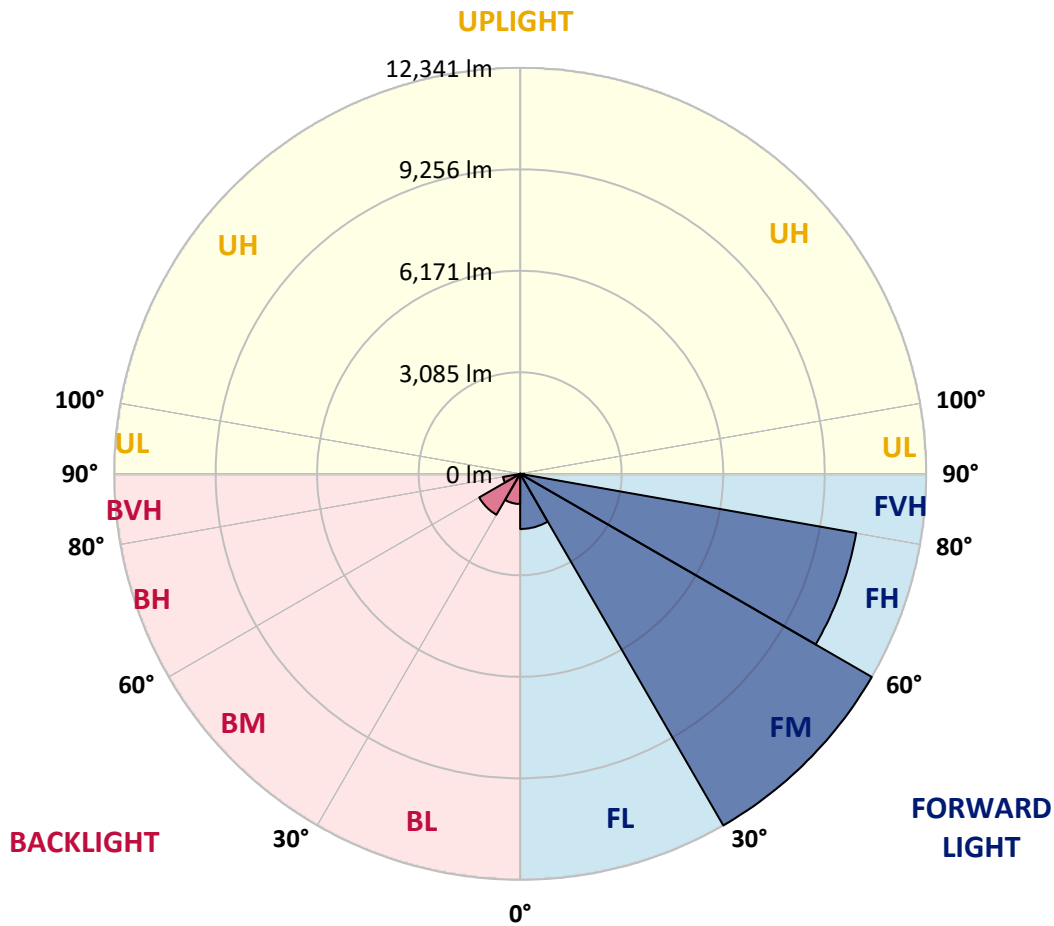
REPORT NUMBER: P953016
 CATALOG NUMBER: GALN-SB6C-940-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1677.4	6.1			
FM (30°-60°)	12341.3	45.0			
FH (60°-80°)	10370.5	37.9			G4/12000
FVH (80°-90°)	120.6	0.4			G2/225
BL (0°-30°)	917.6	3.3	B2/1000		
BM (30°-60°)	1437.7	5.2	B2/2500		
BH (60°-80°)	529.5	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.3	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-G4

Type III Medium



REPORT NUMBER: P953016
 CATALOG NUMBER: GALN-SB6C-940-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6
2.5°	4012.3	4048.7	4043.5	4067.7	4076.4	4111.0	4145.6	4192.3	4244.2	4242.4
5°	3785.7	3822.0	3830.7	3863.5	3905.1	3958.7	4029.6	4123.1	4220.0	4235.5
7.5°	3517.5	3555.6	3578.1	3643.8	3719.9	3830.7	3946.6	4083.3	4244.2	4266.7
10°	3249.3	3283.9	3313.3	3406.8	3527.9	3692.2	3880.8	4078.1	4294.4	4327.2
12.5°	3083.2	3116.1	3149.0	3230.3	3380.8	3581.5	3837.6	4102.3	4377.4	4424.1
15°	3024.4	3053.8	3079.8	3152.4	3292.6	3521.0	3828.9	4152.5	4482.9	4545.2
17.5°	3033.0	3048.6	3065.9	3121.3	3258.0	3493.3	3844.5	4239.0	4607.5	4662.9
20°	3083.2	3091.9	3093.6	3131.7	3252.8	3489.8	3875.6	4322.0	4725.2	4799.6
22.5°	3147.2	3150.7	3147.2	3173.2	3285.6	3515.8	3917.2	4422.4	4856.7	4925.9
25°	3446.6	3380.8	3297.8	3247.6	3341.0	3565.9	3979.5	4557.3	5000.3	5067.8
27.5°	4375.7	4187.1	3889.5	3555.6	3455.2	3638.6	4066.0	4694.0	5145.6	5206.2
30°	5884.4	5637.0	5131.8	4379.1	3822.0	3790.9	4178.4	4830.7	5299.6	5365.3
32.5°	7396.6	7336.0	6753.0	5711.4	4647.3	4130.0	4365.3	5015.8	5503.8	5555.7
35°	8926.1	8803.3	8325.7	7296.3	5919.0	4820.3	4676.7	5258.1	5771.9	5830.8
37.5°	10097.4	10023.0	9727.2	8879.4	7427.7	5886.1	5209.6	5633.5	6161.2	6227.0
40°	11132.1	11097.5	10997.1	10438.3	9114.7	7280.7	6038.4	6214.9	6701.1	6778.9
42.5°	11945.3	12026.6	12083.7	11928.0	10853.5	8872.5	7152.6	7031.5	7453.7	7533.3
45°	12777.5	12805.2	13035.3	13260.3	12580.3	10536.9	8408.8	7988.3	8389.7	8488.4
47.5°	13312.2	13422.9	13827.8	14224.0	14031.9	12187.5	9758.3	9118.2	9474.6	9659.7
50°	13352.0	13561.3	14118.4	14808.8	15089.1	13758.5	11225.5	10405.4	10784.3	10988.5
52.5°	12689.3	13014.6	13877.9	14888.4	15660.0	15089.1	12742.9	11692.7	12178.9	12445.3
55°	9728.9	10154.5	12973.0	14455.8	15682.5	16097.8	14220.5	13033.6	13732.6	14033.6
57.5°	8476.2	8690.8	10199.5	13704.9	15265.6	16504.4	15556.2	14310.5	15423.0	15796.7
60°	7052.3	7334.3	8554.1	12476.5	14699.8	16544.2	16736.2	15957.6	17255.3	17675.7
62.5°	4792.7	5098.9	6311.8	10365.6	13926.4	16525.1	17703.4	17653.2	19291.7	19743.3
65°	2969.0	3161.1	3960.4	8464.1	12845.0	16545.9	18715.6	19712.2	21440.6	21899.1
67.5°	2346.2	2434.4	2851.4	6498.6	10981.6	16078.7	19726.0	21648.3	23463.2	23826.6
70°	1576.2	1629.8	2074.5	4356.6	8170.0	13922.9	19707.0	22620.6	24504.8	24686.5
72.5°	830.5	872.0	1212.9	2017.4	4934.5	9896.7	16611.6	21457.9	23468.4	23195.1
75°	415.2	484.5	816.7	1024.3	2107.4	5519.3	10315.5	16917.9	18471.6	17412.7
77.5°	314.9	380.6	674.8	674.8	733.6	1858.2	4368.8	9227.2	8510.9	7086.9
80°	200.7	259.5	590.0	510.4	306.2	472.3	1138.5	2584.9	1808.1	1375.5
82.5°	117.7	169.6	491.4	337.4	171.3	174.8	321.8	550.2	468.9	365.1
85°	46.7	110.7	337.4	133.2	67.5	43.3	96.9	117.7	96.9	72.7
87.5°	0.0	26.0	58.8	0.0	5.2	3.5	6.9	8.7	8.7	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953016
 CATALOG NUMBER: GALN-SB6C-940-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4273.6	0°	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6	4273.6
4277.1	2.5°	4292.6	4296.1	4306.5	4308.2	4284.0	4252.8	4240.7	4235.5	4214.8	4213.0
4304.7	5°	4344.5	4360.1	4344.5	4299.5	4192.3	4041.7	3927.6	3834.1	3749.3	3723.4
4399.9	7.5°	4448.3	4463.9	4417.2	4240.7	3970.8	3671.5	3401.6	3211.3	3040.0	2975.9
4515.8	10°	4597.1	4617.9	4470.8	4114.4	3636.9	3155.9	2699.1	2377.3	2126.4	2024.3
4673.3	12.5°	4784.0	4792.7	4500.2	3922.4	3202.6	2515.7	1868.6	1524.3	1301.1	1218.1
4863.6	15°	4989.9	4977.8	4503.7	3661.1	2610.9	1778.6	1219.8	1001.8	911.8	884.1
5053.9	17.5°	5206.2	5156.0	4434.5	3283.9	1962.0	1216.3	904.9	853.0	837.4	830.5
5242.5	20°	5419.0	5306.5	4308.2	2790.8	1408.4	908.4	821.8	806.3	797.6	794.2
5432.8	22.5°	5612.8	5420.7	4091.9	2218.1	1022.5	802.8	776.9	763.0	747.4	740.5
5618.0	25°	5801.4	5486.5	3787.4	1683.5	818.4	750.9	730.1	704.2	683.4	674.8
5816.9	27.5°	5984.8	5528.0	3406.8	1245.7	730.1	702.5	664.4	628.1	612.5	609.0
6029.7	30°	6180.3	5541.8	2974.2	929.1	676.5	641.9	586.5	545.0	536.4	538.1
6317.0	32.5°	6419.0	5562.6	2538.2	761.3	631.5	569.2	503.5	460.2	453.3	460.2
6735.7	35°	6704.5	5604.1	2117.8	700.7	591.7	494.8	423.9	387.6	380.6	385.8
7272.0	37.5°	7092.1	5671.6	1725.0	688.6	558.9	432.5	356.4	327.0	327.0	328.7
7929.5	40°	7607.7	5851.5	1373.8	680.0	541.6	385.8	301.1	288.9	294.1	297.6
8766.9	42.5°	8235.8	6233.9	1136.7	669.6	522.5	365.1	273.4	268.2	276.8	280.3
9770.4	45°	8939.9	6718.4	1053.7	652.3	505.2	378.9	261.3	254.3	264.7	266.5
10895.1	47.5°	9668.4	7192.4	1043.3	633.3	487.9	399.7	257.8	242.2	254.3	256.1
12095.8	50°	10405.4	7502.1	1053.7	603.8	460.2	399.7	259.5	230.1	240.5	245.7
13341.6	52.5°	11147.7	7644.0	1046.8	539.8	411.8	375.5	259.5	219.7	230.1	233.6
14687.7	55°	11867.4	7616.3	941.2	444.7	349.5	332.2	252.6	211.1	218.0	219.7
15959.4	57.5°	12436.7	7230.5	745.7	346.0	283.8	276.8	230.1	200.7	205.9	204.2
17125.5	60°	12734.3	6382.7	532.9	266.5	223.2	218.0	202.4	186.9	190.3	181.7
18113.5	62.5°	12737.7	5261.5	356.4	211.1	178.2	173.0	173.0	167.8	164.4	147.1
18878.2	65°	12466.1	4017.5	237.0	167.8	143.6	135.0	145.3	143.6	131.5	107.3
19111.8	67.5°	11850.1	2633.4	179.9	131.5	110.7	105.5	115.9	121.1	112.5	90.0
18260.5	70°	10583.6	1533.0	148.8	102.1	83.0	77.9	93.4	103.8	93.4	72.7
15608.1	72.5°	8791.1	827.0	121.1	76.1	57.1	51.9	74.4	84.8	74.4	53.6
10014.4	75°	5704.5	442.9	93.4	50.2	29.4	32.9	55.4	62.3	51.9	34.6
2939.6	77.5°	1915.3	195.5	58.8	24.2	13.8	13.8	32.9	38.1	24.2	12.1
534.6	80°	427.4	81.3	24.2	10.4	5.2	5.2	6.9	6.9	3.5	0.0
164.4	82.5°	140.1	32.9	10.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0
41.5	85°	53.6	12.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	87.5°	20.8	1.7	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>
4273.6
4216.5
3707.8
2950.0
1981.1
1192.1
884.1
828.8
790.7
738.8
671.3
605.6
538.1
458.5
384.1
327.0
297.6
280.3
268.2
257.8
247.4
233.6
219.7
204.2
179.9
141.9
103.8
88.2
69.2
51.9
31.1
10.4
0.0
0.0
0.0
0.0
0.0

F REPORT)