

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: P953014

Luminaire Tested: **GALN-SB6C-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953014
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-SB6C-940-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA 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: 25150 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

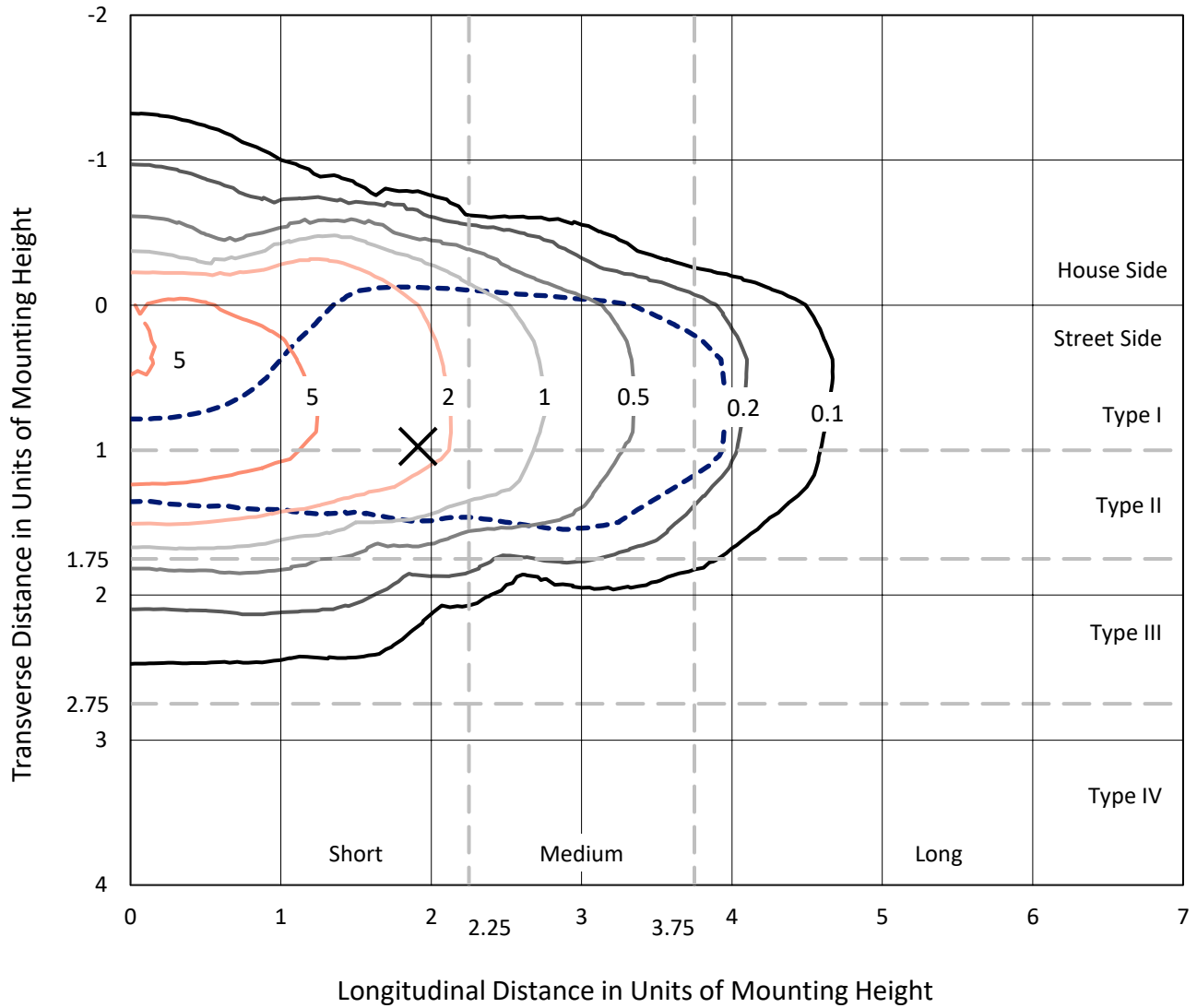
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953014
 CATALOG NUMBER: GALN-SB6C-940-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

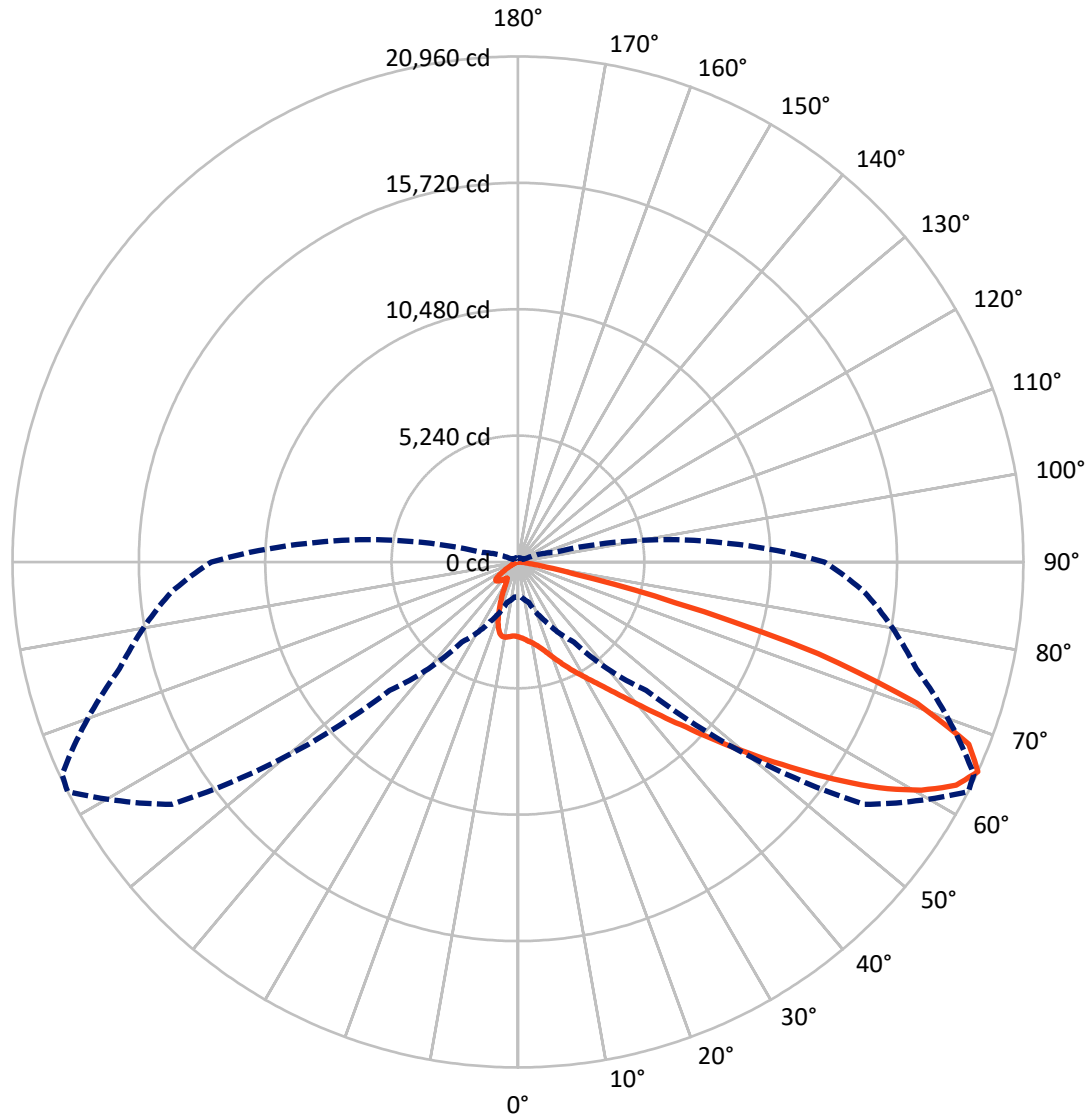
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

REPORT NUMBER: P953014
CATALOG NUMBER: GALN-SB6C-940-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P953014

CATALOG NUMBER: GALN-SB6C-940-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3696.9	0.0	3696.9
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21453.2	0.0	21453.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	25150.0	0.0	25150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.5	1.2
10°-20°	811.5	3.2
20°-30°	1412.9	5.6
30°-40°	2546.7	10.1
40°-50°	5050.9	20.1
50°-60°	6880.2	27.4
60°-70°	5491.7	21.8
70°-80°	2485.1	9.9
80°-90°	178.6	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°	25150.0	100.0
0°-180°	25150.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953014

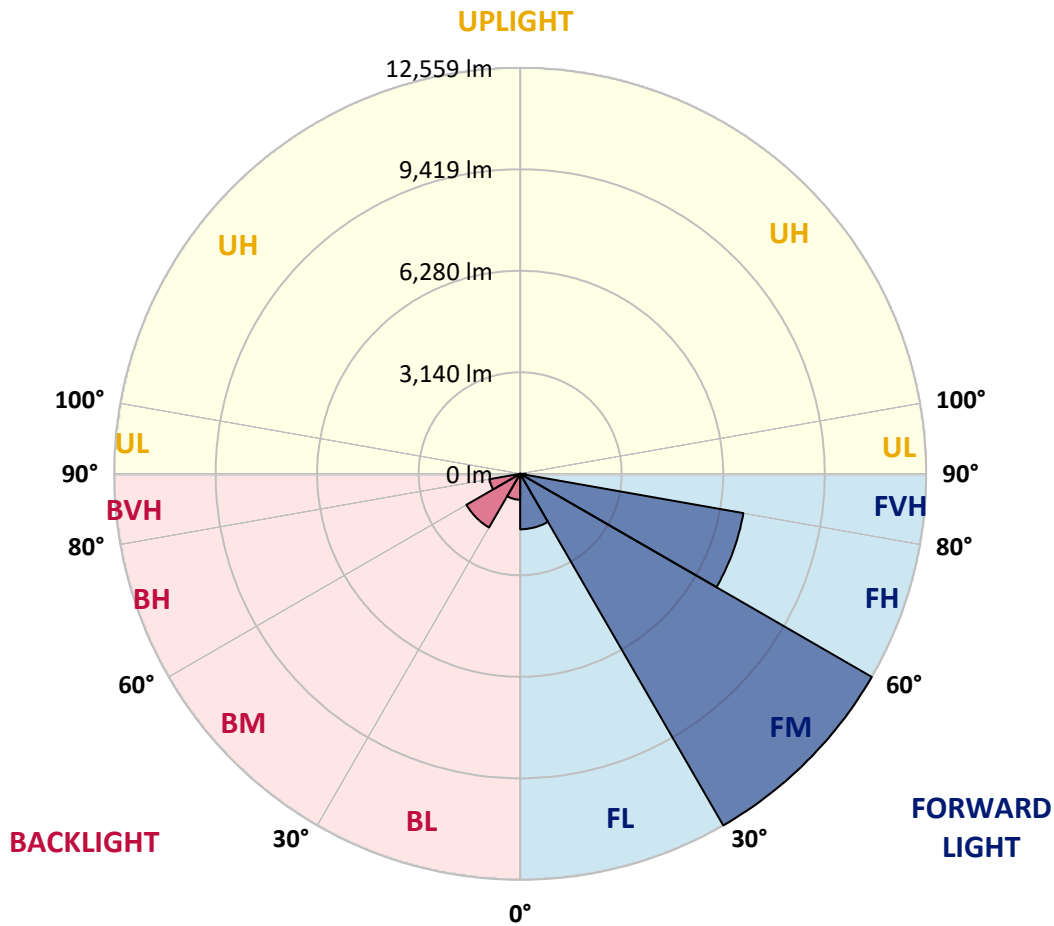
CATALOG NUMBER: GALN-SB6C-940-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1716.8	6.8			
FM (30°-60°)	12559.3	49.9			
FH (60°-80°)	7011.7	27.9			G3/7500
FVH (80°-90°)	165.4	0.7			G2/225
BL (0°-30°)	800.1	3.2	B2/1000		
BM (30°-60°)	1918.4	7.6	B2/2500		
BH (60°-80°)	965.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.3	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: P953014
 CATALOG NUMBER: GALN-SB6C-940-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0
2.5°	3176.7	3168.0	3180.1	3174.9	3171.5	3164.5	3161.1	3157.6	3150.7	3145.5
5°	3185.3	3180.1	3192.2	3202.6	3213.0	3223.4	3228.6	3235.5	3228.6	3214.7
7.5°	3112.6	3109.2	3135.1	3166.3	3213.0	3252.8	3296.0	3320.3	3322.0	3316.8
10°	3107.4	3098.8	3124.7	3162.8	3223.4	3294.3	3370.4	3422.3	3429.3	3451.8
12.5°	3188.8	3180.1	3216.4	3258.0	3320.3	3394.7	3488.1	3560.8	3571.1	3602.3
15°	3325.5	3313.3	3354.9	3408.5	3488.1	3572.9	3671.5	3737.2	3745.9	3784.0
17.5°	3484.6	3472.5	3521.0	3578.1	3664.6	3780.5	3894.7	3967.4	3977.7	4002.0
20°	3688.8	3673.2	3711.3	3763.2	3854.9	3993.3	4130.0	4233.8	4232.1	4232.1
22.5°	3925.8	3901.6	3934.5	3976.0	4062.5	4230.3	4412.0	4534.9	4534.9	4486.4
25°	4180.2	4155.9	4192.3	4230.3	4306.5	4496.8	4709.6	4861.9	4868.8	4785.7
27.5°	4498.5	4467.4	4495.1	4540.1	4585.0	4778.8	5031.4	5207.9	5211.4	5083.3
30°	5111.0	5022.8	4936.3	4887.8	4908.6	5100.6	5370.6	5566.1	5583.4	5406.9
32.5°	6232.2	6214.9	5910.4	5512.4	5304.8	5446.7	5749.5	5984.8	5995.2	5768.5
35°	7974.5	7953.7	7464.1	6706.3	6029.8	5910.4	6209.7	6488.3	6481.3	6225.3
37.5°	10054.2	10035.2	9389.8	8375.9	7280.7	6611.1	6803.2	7095.6	7138.8	6803.2
40°	11831.1	11760.2	11351.9	10374.3	8941.7	7773.8	7647.5	7841.3	7886.3	7488.3
42.5°	13177.2	13116.7	12909.0	12298.3	10952.2	9493.6	8642.4	8716.8	8766.9	8289.4
45°	13874.5	13860.7	13943.7	13886.6	13000.7	11604.5	10064.6	9754.9	9773.9	9177.0
47.5°	13973.1	13966.2	14345.1	14881.5	14762.1	13985.2	11890.0	11049.1	10981.6	10178.8
50°	13391.8	13377.9	14104.6	15109.9	15938.6	15985.4	13962.7	12507.6	12358.8	11215.2
52.5°	11535.3	11531.8	12725.6	14398.8	16352.2	17736.3	16011.3	14109.8	13860.7	12312.1
55°	8875.9	8940.0	10308.6	12286.2	15597.8	18578.9	17850.5	15888.5	15506.1	13416.0
57.5°	6287.6	6381.0	7734.0	9495.4	13258.5	18080.6	19094.5	17670.6	17258.8	14516.4
60°	3377.4	3460.4	4815.2	6917.4	9863.9	16222.4	19750.3	19217.4	18828.1	15561.5
62.5°	2012.2	2039.9	2600.5	4465.7	6671.7	12393.4	19471.7	20395.6	20075.6	16438.7
65°	1444.7	1449.9	1731.9	2726.8	4050.4	7529.8	17518.3	20959.7	20861.1	17099.6
67.5°	1216.3	1212.9	1330.5	1811.5	2759.7	3771.8	13426.4	20162.1	20580.8	17518.3
70°	1043.3	1048.5	1186.9	1327.1	2074.5	2135.1	6675.1	17554.6	18447.4	17629.0
72.5°	776.9	794.2	922.2	1209.4	1565.8	1468.9	2304.6	13016.3	14630.6	16610.0
75°	548.5	557.1	648.8	1017.4	1167.9	1069.3	1176.5	6728.8	8798.1	12734.3
77.5°	422.2	437.7	491.4	711.1	1150.6	750.9	719.8	2328.9	3578.1	7692.5
80°	228.4	256.1	354.7	513.9	808.0	531.2	356.4	927.4	1212.9	3597.1
82.5°	117.7	131.5	247.4	370.3	460.2	463.7	176.5	385.8	500.0	1110.8
85°	46.7	57.1	166.1	204.2	237.0	228.4	79.6	155.7	179.9	308.0
87.5°	10.4	17.3	60.6	46.7	45.0	48.4	19.0	36.3	34.6	36.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953014
 CATALOG NUMBER: GALN-SB6C-940-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3104.0	0°	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0	3104.0
3124.7	2.5°	3123.0	3116.1	3097.1	3076.3	3052.1	3038.2	3029.6	3027.9	3015.7	3007.1
3194.0	5°	3174.9	3168.0	3131.7	3088.4	3041.7	3005.4	2970.8	2939.6	2894.6	2886.0
3294.3	7.5°	3278.7	3259.7	3200.9	3142.0	3053.8	2948.3	2820.2	2673.2	2541.7	2501.9
3427.5	10°	3406.8	3380.8	3306.4	3202.6	3007.1	2719.9	2410.2	2123.0	1894.6	1830.6
3585.0	12.5°	3552.1	3529.6	3431.0	3238.9	2811.6	2290.8	1816.7	1460.3	1238.8	1183.5
3752.8	15°	3725.1	3692.3	3555.6	3183.6	2462.1	1740.6	1247.5	1036.4	956.8	946.4
3944.9	17.5°	3908.5	3854.9	3666.3	2984.6	1991.5	1237.1	963.7	903.2	868.6	858.2
4138.6	20°	4076.4	4007.2	3732.0	2683.5	1488.0	963.7	863.4	823.6	792.4	780.3
4332.4	22.5°	4244.2	4145.6	3732.0	2273.5	1116.0	854.7	792.4	756.1	719.8	704.2
4540.1	25°	4418.9	4287.4	3666.3	1816.7	898.0	783.8	725.0	685.2	654.0	635.0
4737.3	27.5°	4588.5	4406.8	3515.8	1384.2	799.4	721.5	662.7	624.6	595.2	581.3
4951.8	30°	4749.4	4524.5	3304.7	1050.2	735.3	660.9	605.6	572.7	543.3	529.4
5230.4	32.5°	4967.4	4673.3	3079.8	861.6	680.0	603.8	553.7	522.5	496.6	486.2
5592.0	35°	5270.2	4893.0	2886.0	846.1	633.3	557.1	506.9	477.5	451.6	442.9
6059.2	37.5°	5699.3	5247.7	2783.9	949.9	595.2	515.6	468.9	437.7	413.5	406.6
6652.6	40°	6228.7	5728.7	2839.3	1053.7	569.2	479.3	434.3	403.1	382.4	373.7
7334.3	42.5°	6856.8	6322.2	3145.5	1133.3	551.9	448.1	401.4	366.8	353.0	349.5
8107.7	45°	7578.3	6974.5	3614.4	1218.1	524.3	418.7	368.5	342.6	332.2	330.5
8948.6	47.5°	8398.4	7690.8	4157.7	1323.6	496.6	391.0	342.6	325.3	316.6	313.2
9825.8	50°	9211.6	8412.2	4716.5	1382.4	474.1	365.1	321.8	308.0	301.1	299.3
10753.2	52.5°	10062.9	9154.5	5168.1	1327.1	455.0	344.3	304.5	294.1	287.2	285.5
11607.9	55°	10874.3	9754.9	5246.0	1126.4	417.0	323.5	285.5	280.3	271.6	271.6
12474.8	57.5°	11573.3	10055.9	4695.8	827.0	378.9	292.4	266.5	261.3	254.3	252.6
13256.8	60°	12215.2	9969.4	3624.8	557.1	337.4	261.3	242.2	238.8	231.8	223.2
13936.8	62.5°	12576.8	9588.8	2479.4	363.3	295.9	228.4	214.5	212.8	197.2	179.9
14440.3	65°	12713.5	8806.7	1546.8	264.7	247.4	195.5	185.1	181.7	159.2	140.1
14725.8	67.5°	12594.2	7519.5	780.3	209.4	195.5	162.6	152.3	152.3	136.7	119.4
14708.5	70°	12116.6	5637.0	328.7	167.8	150.5	124.6	124.6	131.5	115.9	96.9
13945.4	72.5°	11080.2	3792.6	174.8	128.0	112.5	88.2	102.1	107.3	91.7	72.7
11414.2	75°	8808.5	2313.3	121.1	95.2	70.9	62.3	77.9	81.3	62.3	48.4
7825.7	77.5°	6024.6	1328.8	81.3	60.6	45.0	36.3	53.6	50.2	32.9	22.5
3017.5	80°	2645.5	553.7	46.7	27.7	17.3	13.8	19.0	13.8	10.4	6.9
413.5	82.5°	309.7	129.8	17.3	10.4	6.9	3.5	1.7	0.0	0.0	0.0
126.3	85°	64.0	15.6	8.7	3.5	1.7	0.0	0.0	0.0	0.0	0.0
22.5	87.5°	12.1	3.5	1.7	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°
3104.0
3015.7
2882.5
2482.8
1806.3
1167.9
936.0
853.0
773.4
695.5
628.1
581.3
531.2
486.2
442.9
404.9
372.0
349.5
328.7
313.2
299.3
285.5
269.9
250.9
221.5
176.5
138.4
117.7
95.2
72.7
46.7
24.2
6.9
0.0
0.0
0.0
0.0

F REPORT)