

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: P954379

Luminaire Tested: **GALN-SB7C-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954379
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-SB7C-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 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: 24776 lumens
Efficiency: N/A
Efficacy: 70.7 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

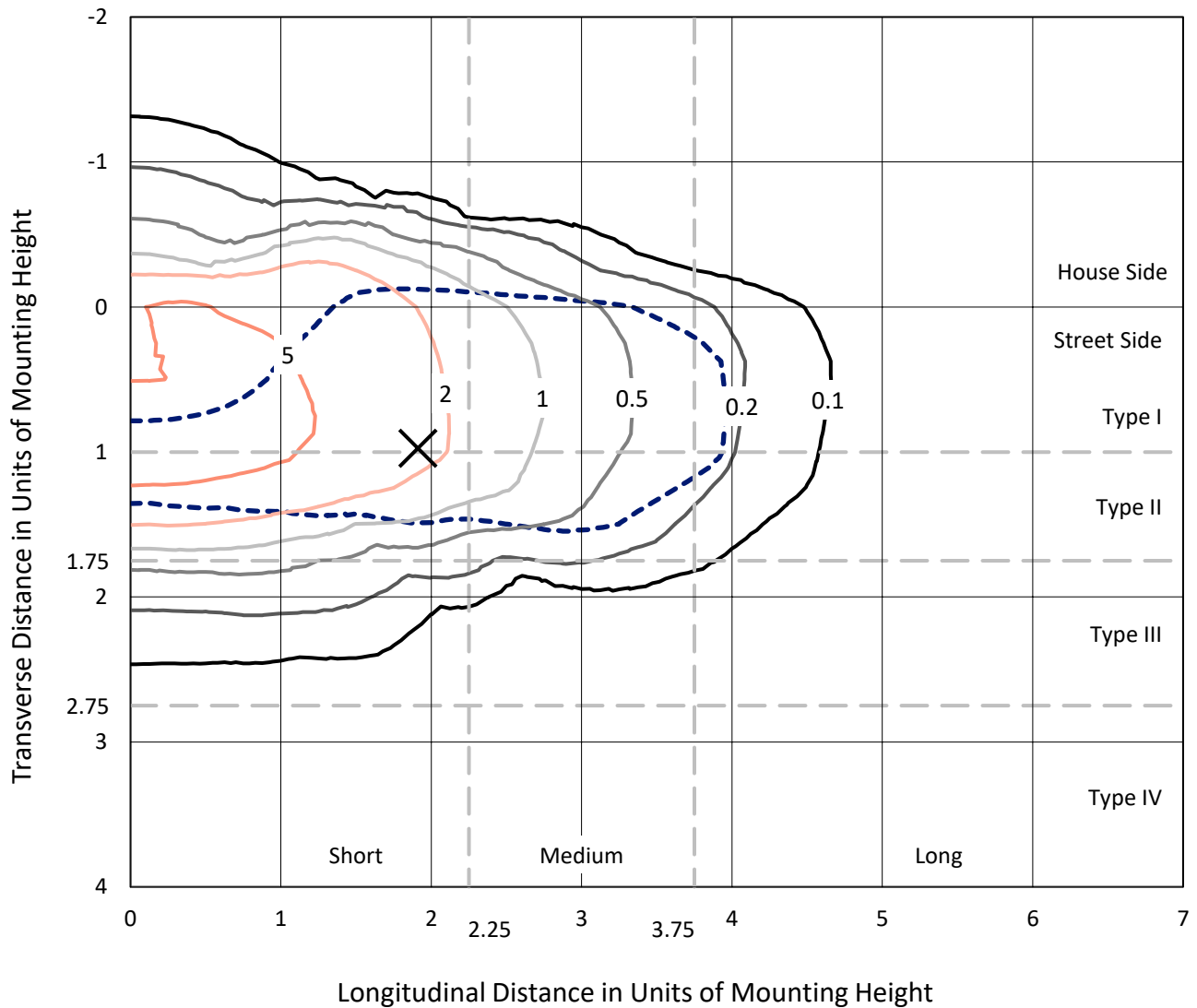
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954379
 CATALOG NUMBER: GALN-SB7C-927-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

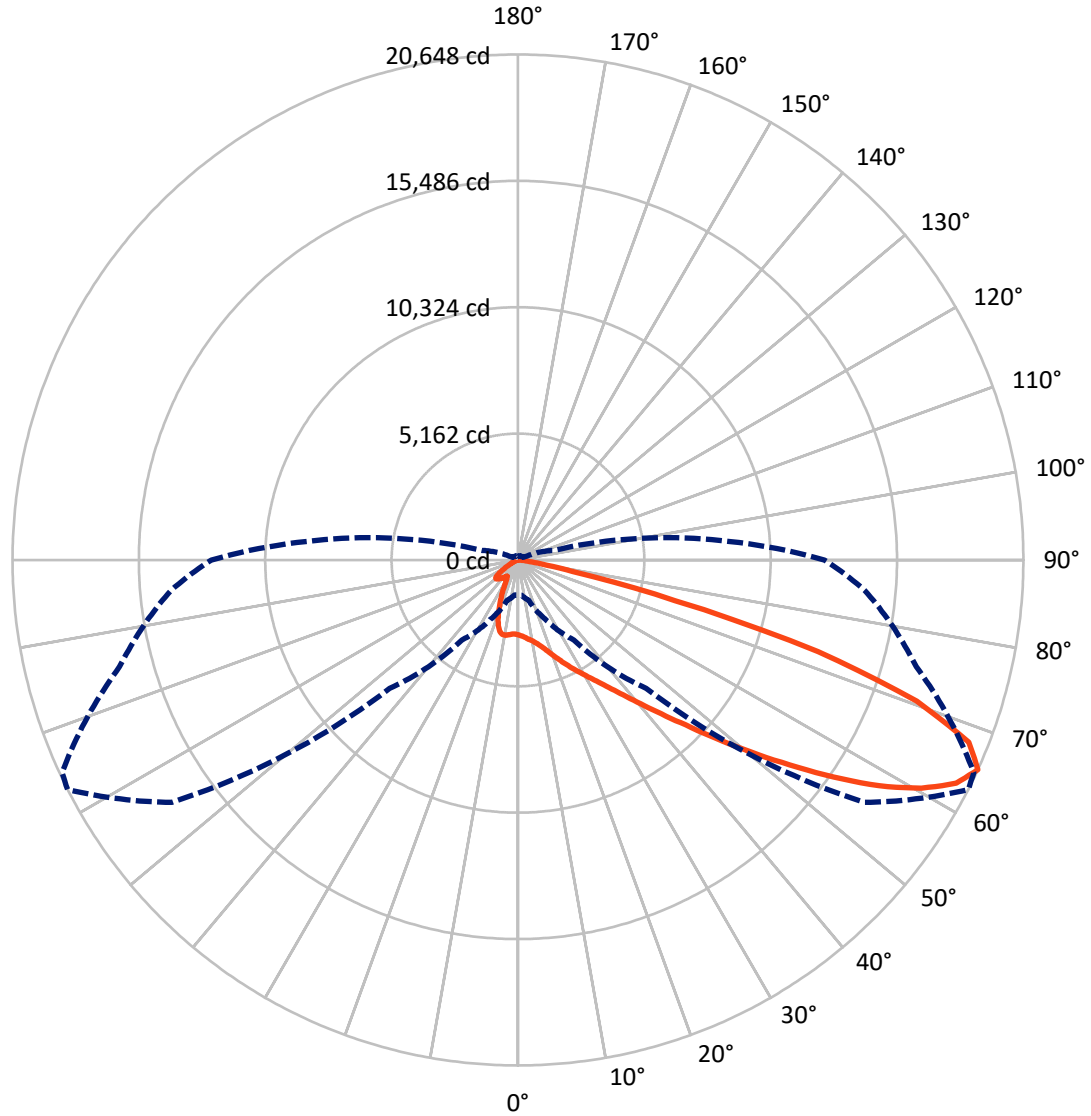
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P954379
CATALOG NUMBER: GALN-SB7C-927-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P954379
 CATALOG NUMBER: GALN-SB7C-927-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3641.9	0.0	3641.9
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21134.1	0.0	21134.1
	% Fixture	85.3	0.0	85.3
Total	Lumens	24776.0	0.0	24776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	1.2
10°-20°	799.4	3.2
20°-30°	1391.9	5.6
30°-40°	2508.8	10.1
40°-50°	4975.8	20.1
50°-60°	6777.8	27.4
60°-70°	5410.0	21.8
70°-80°	2448.2	9.9
80°-90°	176.0	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°	24776.0	100.0
0°-180°	24776.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954379

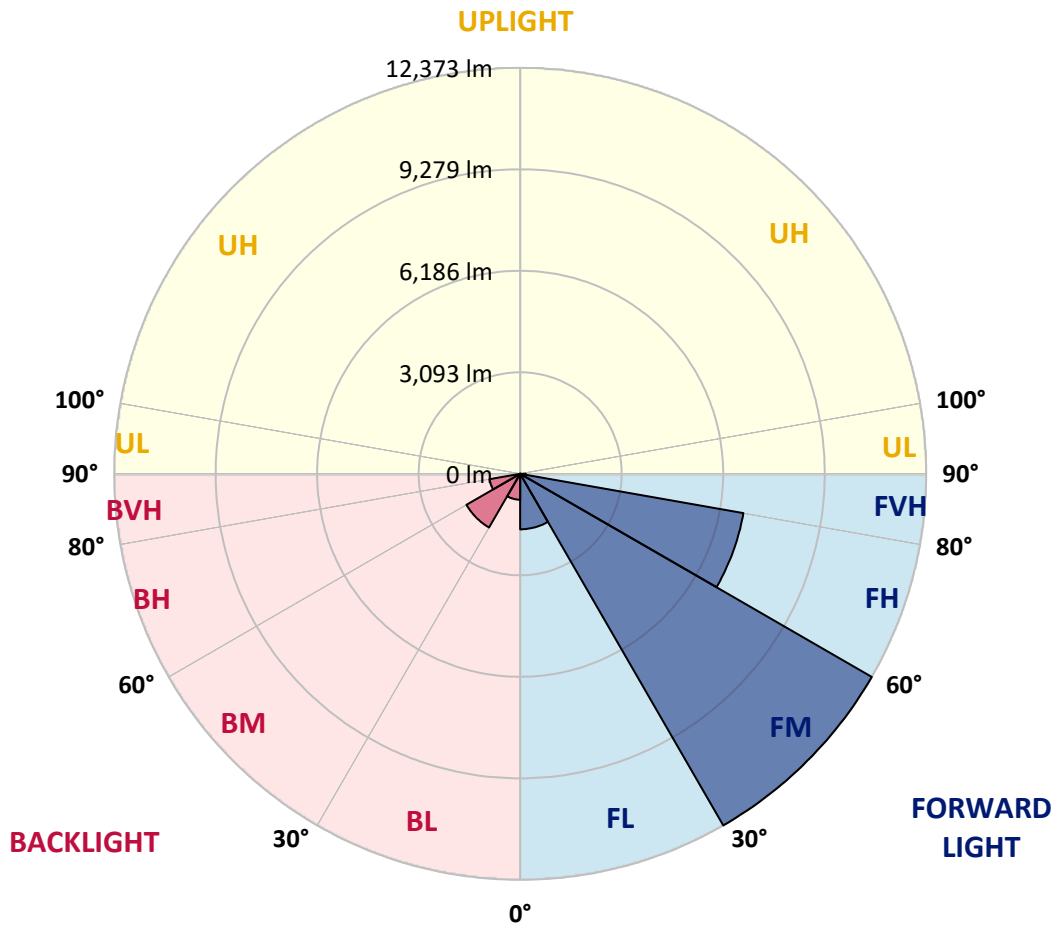
CATALOG NUMBER: GALN-SB7C-927-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.3	6.8			
FM (30°-60°)	12372.5	49.9			
FH (60°-80°)	6907.4	27.9			G3/7500
FVH (80°-90°)	162.9	0.7			G2/225
BL (0°-30°)	788.2	3.2	B2/1000		
BM (30°-60°)	1889.9	7.6	B2/2500		
BH (60°-80°)	950.7	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.1	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: P954379

CATALOG NUMBER: GALN-SB7C-927-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8
2.5°	3129.4	3120.9	3132.8	3127.7	3124.3	3117.5	3114.1	3110.7	3103.8	3098.7
5°	3137.9	3132.8	3144.8	3155.0	3165.2	3175.4	3180.5	3187.4	3180.5	3166.9
7.5°	3066.3	3062.9	3088.5	3119.2	3165.2	3204.4	3247.0	3270.9	3272.6	3267.5
10°	3061.2	3052.7	3078.3	3115.8	3175.4	3245.3	3320.3	3371.4	3378.3	3400.4
12.5°	3141.3	3132.8	3168.6	3209.5	3270.9	3344.2	3436.2	3507.8	3518.0	3548.7
15°	3276.0	3264.1	3305.0	3357.8	3436.2	3519.7	3616.9	3681.7	3690.2	3727.7
17.5°	3432.8	3420.9	3468.6	3524.9	3610.1	3724.3	3836.8	3908.4	3918.6	3942.4
20°	3633.9	3618.6	3656.1	3707.2	3797.6	3933.9	4068.6	4170.8	4169.1	4169.1
22.5°	3867.5	3843.6	3876.0	3916.9	4002.1	4167.4	4346.4	4467.4	4467.4	4419.7
25°	4118.0	4094.1	4129.9	4167.4	4242.4	4429.9	4639.6	4789.6	4796.4	4714.6
27.5°	4431.6	4401.0	4428.2	4472.5	4516.9	4707.8	4956.6	5130.5	5133.9	5007.7
30°	5035.0	4948.1	4862.9	4815.1	4835.6	5024.8	5290.7	5483.3	5500.3	5326.5
32.5°	6139.5	6122.5	5822.5	5430.5	5225.9	5365.7	5664.0	5895.8	5906.0	5682.7
35°	7855.9	7835.5	7353.1	6606.5	5940.1	5822.5	6117.4	6391.8	6385.0	6132.7
37.5°	9904.7	9885.9	9250.2	8251.4	7172.4	6512.8	6702.0	6990.0	7032.7	6702.0
40°	11655.2	11585.3	11183.1	10220.0	8808.7	7658.2	7533.8	7724.7	7769.0	7377.0
42.5°	12981.3	12921.6	12717.1	12115.4	10789.3	9352.4	8513.8	8587.1	8636.6	8166.1
45°	13668.2	13654.5	13736.4	13680.1	12807.4	11431.9	9914.9	9609.8	9628.6	9040.5
47.5°	13765.3	13758.5	14131.8	14660.2	14542.6	13777.3	11713.1	10884.8	10818.3	10027.4
50°	13192.6	13179.0	13894.9	14885.2	15701.6	15747.6	13755.1	12321.6	12175.1	11048.4
52.5°	11363.7	11360.3	12536.4	14184.6	16109.0	17472.6	15773.2	13900.0	13654.5	12129.0
55°	8744.0	8807.0	10155.3	12103.5	15365.8	18302.6	17585.1	15652.2	15275.5	13216.5
57.5°	6194.1	6286.1	7619.0	9354.2	13061.4	17811.8	18810.6	17407.8	17002.1	14300.5
60°	3327.1	3408.9	4743.6	6814.5	9717.2	15981.1	19456.6	18931.6	18548.1	15330.0
62.5°	1982.3	2009.6	2561.8	4399.2	6572.5	12209.1	19182.2	20092.3	19777.0	16194.2
65°	1423.2	1428.3	1706.2	2686.3	3990.2	7417.9	17257.8	20648.0	20550.8	16845.3
67.5°	1198.2	1194.8	1310.7	1784.6	2718.6	3715.8	13226.7	19862.2	20274.7	17257.8
70°	1027.8	1032.9	1169.3	1307.3	2043.7	2103.3	6575.9	17293.6	18173.1	17366.9
72.5°	765.3	782.4	908.5	1191.4	1542.5	1447.1	2270.4	12822.8	14413.0	16363.0
75°	540.3	548.8	639.2	1002.2	1150.5	1053.4	1159.0	6628.7	8667.3	12544.9
77.5°	415.9	431.2	484.1	700.5	1133.5	739.7	709.1	2294.2	3524.9	7578.1
80°	225.0	252.3	349.4	506.2	796.0	523.3	351.1	913.6	1194.8	3543.6
82.5°	115.9	129.5	243.7	364.8	453.4	456.8	173.9	380.1	492.6	1094.3
85°	46.0	56.2	163.6	201.1	233.5	225.0	78.4	153.4	177.3	303.4
87.5°	10.2	17.0	59.7	46.0	44.3	47.7	18.7	35.8	34.1	35.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954379
 CATALOG NUMBER: GALN-SB7C-927-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3057.8	0°	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8
3078.3	2.5°	3076.6	3069.8	3051.0	3030.6	3006.7	2993.1	2984.5	2982.8	2970.9	2962.4
3146.5	5°	3127.7	3120.9	3085.1	3042.5	2996.5	2960.7	2926.6	2895.9	2851.6	2843.1
3245.3	7.5°	3230.0	3211.2	3153.3	3095.3	3008.4	2904.4	2778.3	2633.4	2503.9	2464.7
3376.6	10°	3356.1	3330.5	3257.3	3155.0	2962.4	2679.4	2374.3	2091.4	1866.4	1803.3
3531.7	12.5°	3499.3	3477.1	3380.0	3190.8	2769.8	2256.7	1789.7	1438.6	1220.4	1165.9
3697.0	15°	3669.7	3637.3	3502.7	3136.2	2425.5	1714.7	1228.9	1021.0	942.6	932.3
3886.2	17.5°	3850.4	3797.6	3611.8	2940.2	1961.8	1218.7	949.4	889.7	855.6	845.4
4077.1	20°	4015.7	3947.6	3676.6	2643.6	1465.8	949.4	850.5	811.3	780.6	768.7
4268.0	22.5°	4181.1	4083.9	3676.6	2239.7	1099.4	842.0	780.6	744.9	709.1	693.7
4472.5	25°	4353.2	4223.7	3611.8	1789.7	884.6	772.1	714.2	675.0	644.3	625.5
4666.9	27.5°	4520.3	4341.3	3463.5	1363.6	787.5	710.8	652.8	615.3	586.3	572.7
4878.2	30°	4678.8	4457.2	3255.5	1034.6	724.4	651.1	596.6	564.2	535.2	521.6
5152.6	32.5°	4893.5	4603.8	3034.0	848.8	669.9	594.9	545.4	514.8	489.2	479.0
5508.9	35°	5191.8	4820.3	2843.1	833.5	623.8	548.8	499.4	470.4	444.9	436.3
5969.1	37.5°	5614.5	5169.7	2742.5	935.8	586.3	507.9	461.9	431.2	407.4	400.6
6553.7	40°	6136.1	5643.5	2797.0	1038.0	560.8	472.1	427.8	397.1	376.7	368.2
7225.3	42.5°	6754.8	6228.1	3098.7	1116.4	543.7	441.5	395.4	361.3	347.7	344.3
7987.2	45°	7465.6	6870.7	3560.6	1199.9	516.5	412.5	363.1	337.5	327.3	325.6
8815.5	47.5°	8273.5	7576.4	4095.9	1303.9	489.2	385.2	337.5	320.4	311.9	308.5
9679.7	50°	9074.6	8287.2	4646.4	1361.9	467.0	359.6	317.0	303.4	296.6	294.9
10593.3	52.5°	9913.2	9018.4	5091.3	1307.3	448.3	339.2	300.0	289.8	282.9	281.2
11435.3	55°	10712.6	9609.8	5168.0	1109.6	410.8	318.7	281.2	276.1	267.6	267.6
12289.3	57.5°	11401.2	9906.4	4625.9	814.7	373.3	288.1	262.5	257.4	250.6	248.9
13059.7	60°	12033.6	9821.2	3570.9	548.8	332.4	257.4	238.6	235.2	228.4	219.9
13729.5	62.5°	12389.8	9446.2	2442.5	357.9	291.5	225.0	211.4	209.7	194.3	177.3
14225.5	65°	12524.5	8675.8	1523.8	260.8	243.7	192.6	182.4	179.0	156.8	138.1
14506.8	67.5°	12406.9	7407.6	768.7	206.2	192.6	160.2	150.0	150.0	134.7	117.6
14489.7	70°	11936.4	5553.2	323.9	165.3	148.3	122.7	122.7	129.5	114.2	95.5
13738.1	72.5°	10915.5	3736.2	172.2	126.1	110.8	86.9	100.6	105.7	90.3	71.6
11244.4	75°	8677.5	2278.9	119.3	93.7	69.9	61.4	76.7	80.1	61.4	47.7
7709.3	77.5°	5935.0	1309.0	80.1	59.7	44.3	35.8	52.8	49.4	32.4	22.2
2972.6	80°	2606.1	545.4	46.0	27.3	17.0	13.6	18.7	13.6	10.2	6.8
407.4	82.5°	305.1	127.8	17.0	10.2	6.8	3.4	1.7	0.0	0.0	0.0
124.4	85°	63.1	15.3	8.5	3.4	1.7	0.0	0.0	0.0	0.0	0.0
22.2	87.5°	11.9	3.4	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

<u>180°</u>
3057.8
2970.9
2839.7
2445.9
1779.5
1150.5
922.1
840.3
761.9
685.2
618.7
572.7
523.3
479.0
436.3
398.8
366.5
344.3
323.9
308.5
294.9
281.2
265.9
247.1
218.2
173.9
136.4
115.9
93.7
71.6
46.0
23.9
6.8
0.0
0.0
0.0
0.0

F REPORT)