

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: P948728

Luminaire Tested: **GALN-SB3C-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13786 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

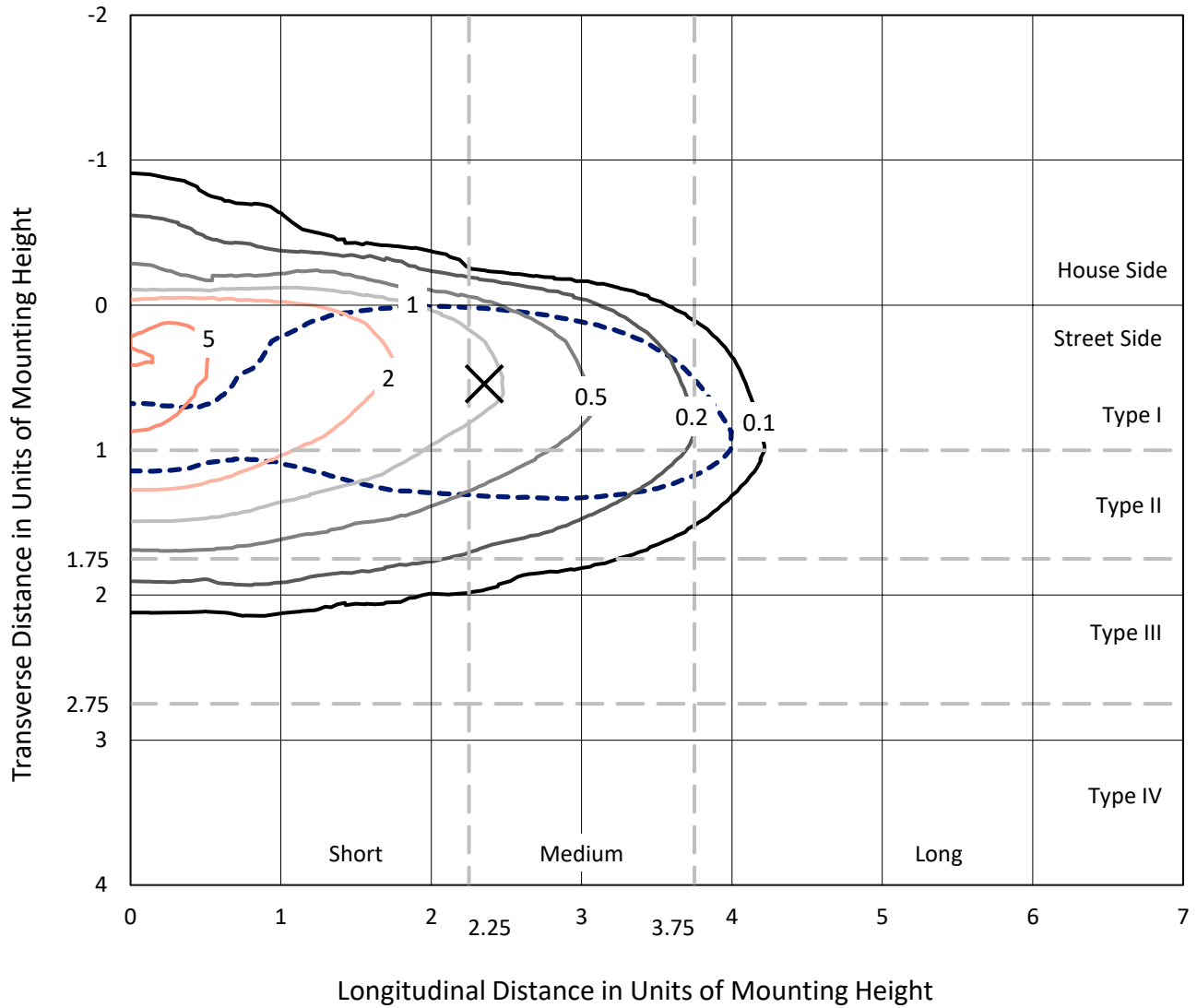
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948728
 CATALOG NUMBER: GALN-SB3C-940-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

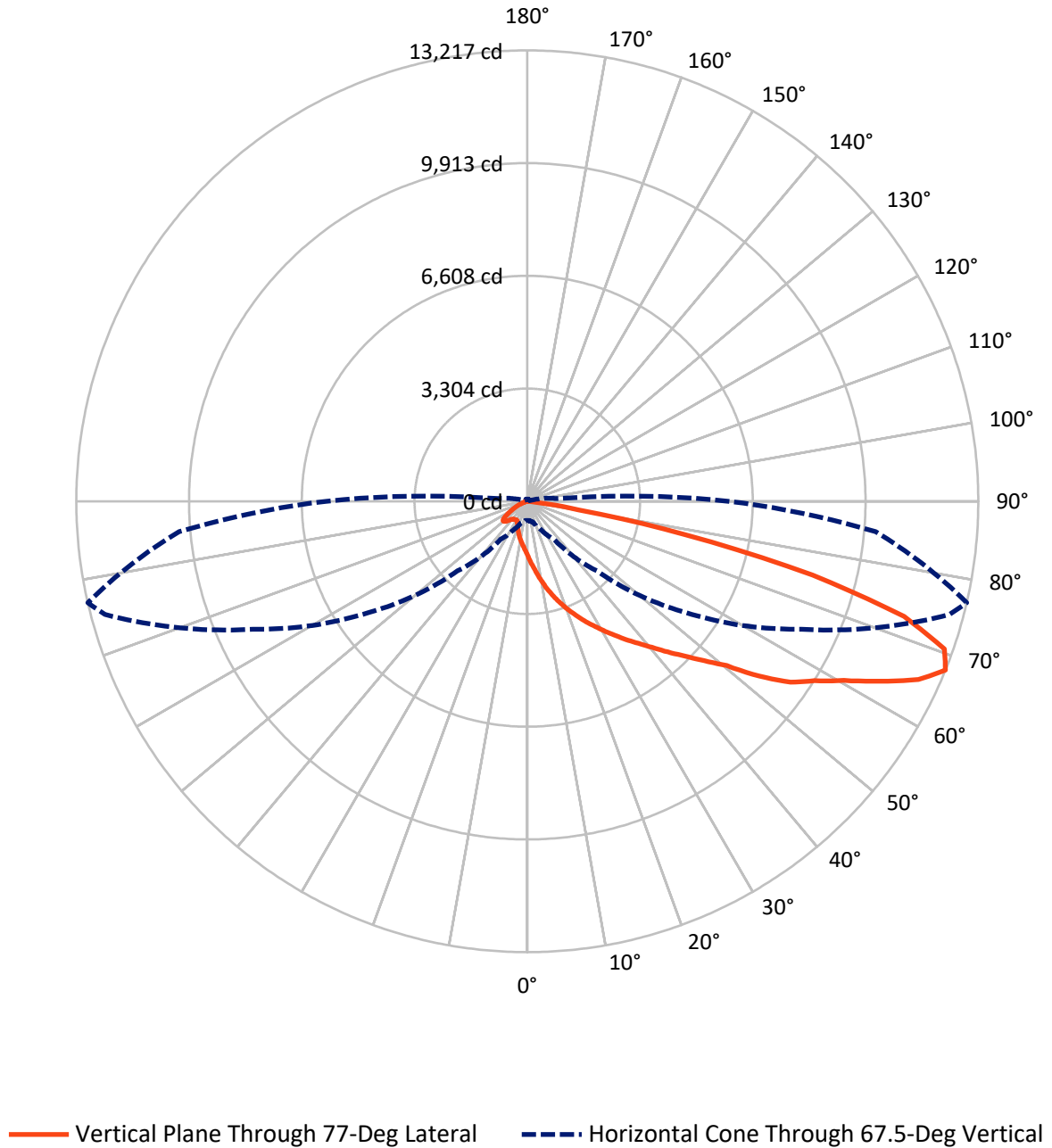
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P948728
CATALOG NUMBER: GALN-SB3C-940-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P948728
 CATALOG NUMBER: GALN-SB3C-940-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1014.2	0.0	1014.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	12771.8	0.0	12771.8
	% Fixture	92.6	0.0	92.6
Total	Lumens	13786.0	0.0	13786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.2
10°-20°	568.2	4.1
20°-30°	1096.5	8.0
30°-40°	1903.6	13.8
40°-50°	2763.9	20.0
50°-60°	3174.0	23.0
60°-70°	2755.6	20.0
70°-80°	1297.9	9.4
80°-90°	64.2	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°	13786.0	100.0
0°-180°	13786.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948728

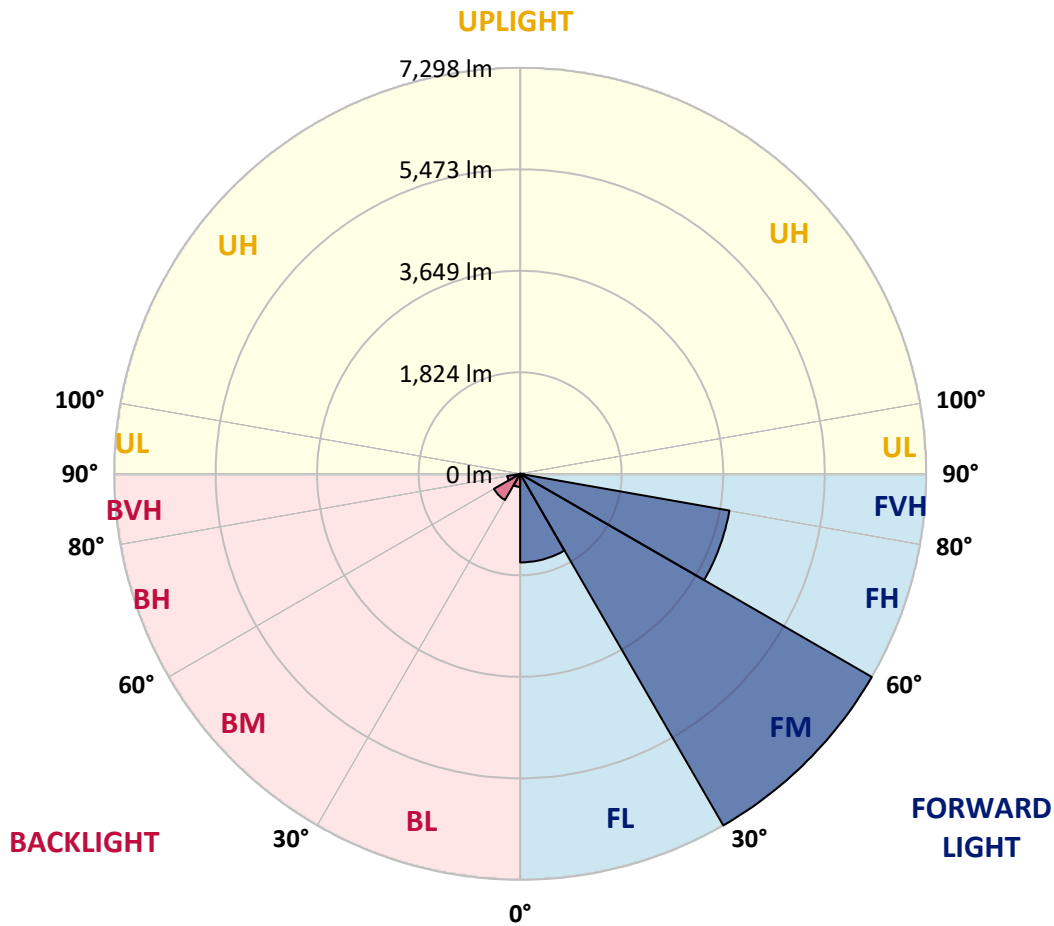
CATALOG NUMBER: GALN-SB3C-940-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1592.1	11.5			
FM (30°-60°)	7297.9	52.9			
FH (60°-80°)	3818.7	27.7			G2/5000
FVH (80°-90°)	63.0	0.5			G1/100
BL (0°-30°)	234.8	1.7	B1/500		
BM (30°-60°)	543.4	3.9	B1/1000		
BH (60°-80°)	234.8	1.7	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P948728
 CATALOG NUMBER: GALN-SB3C-940-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	2201.0	2214.7	2195.0	2157.3	2100.8	2064.0	1974.1	1889.4	1795.2	1765.2
5°	2682.9	2694.9	2672.7	2631.6	2556.2	2484.3	2366.2	2189.0	2004.9	1945.9
7.5°	3039.9	3046.8	3038.2	3000.5	2928.6	2847.3	2715.5	2505.7	2232.6	2167.6
10°	3296.7	3319.0	3316.4	3301.9	3253.9	3188.0	3047.6	2808.8	2487.7	2403.9
12.5°	3467.1	3491.9	3506.5	3539.0	3536.4	3494.5	3371.2	3118.7	2742.0	2643.6
15°	3516.7	3543.3	3598.9	3674.3	3741.0	3762.4	3676.0	3422.6	3021.9	2896.1
17.5°	3488.5	3529.6	3596.4	3715.4	3861.7	3958.5	3949.1	3716.2	3276.2	3132.4
20°	3551.0	3590.4	3642.6	3742.8	3913.1	4088.6	4158.8	3997.0	3528.7	3378.1
22.5°	3896.8	3890.0	3895.1	3911.4	4013.3	4187.1	4331.7	4252.1	3778.7	3624.6
25°	4444.7	4413.9	4361.7	4273.5	4247.8	4331.7	4482.4	4478.1	4042.4	3877.2
27.5°	5073.1	5068.0	4945.5	4733.2	4613.4	4580.8	4652.8	4698.1	4303.5	4127.1
30°	5674.9	5688.6	5523.4	5287.1	5067.1	4939.5	4874.5	4907.0	4568.9	4396.8
32.5°	6198.8	6213.4	6033.6	5757.1	5484.9	5330.8	5193.8	5113.3	4858.2	4670.7
35°	6641.4	6656.0	6449.7	6144.0	5853.8	5714.3	5559.3	5339.3	5149.3	4974.6
37.5°	7036.9	7032.6	6756.1	6447.9	6162.9	6052.4	5971.1	5617.6	5448.9	5280.3
40°	7270.6	7288.6	7052.3	6712.5	6436.0	6355.5	6350.4	5962.6	5794.8	5631.3
42.5°	7339.1	7370.8	7199.6	6920.5	6669.7	6582.3	6716.8	6335.8	6197.1	6037.9
45°	7215.8	7246.7	7168.8	6975.3	6828.9	6772.4	7031.8	6722.7	6626.9	6469.3
47.5°	6856.3	6894.8	6913.6	6872.6	6870.8	6928.2	7314.3	7130.2	7137.1	6976.1
50°	6160.3	6225.4	6398.3	6543.8	6769.0	7051.5	7589.1	7572.0	7712.4	7573.7
52.5°	4895.0	4987.5	5583.3	5981.4	6487.3	7028.4	7891.3	8280.8	8721.7	8518.8
55°	3933.7	3933.7	4418.2	5163.0	5937.7	6876.0	8023.1	8741.4	9409.1	9361.2
57.5°	3206.9	3245.4	3554.4	4212.7	5142.4	6513.0	8104.4	9030.7	9963.0	9927.9
60°	1979.2	2062.3	2646.1	3295.9	4237.6	5866.7	8053.1	9323.5	10635.0	10663.3
62.5°	1114.6	1145.4	1405.7	2371.3	3295.0	4997.8	7660.1	9487.0	11494.5	11614.3
65°	769.6	785.0	885.2	1475.9	2284.0	3979.0	6892.2	9385.1	12355.7	12598.0
67.5°	559.0	566.7	629.2	901.4	1355.2	2885.0	5688.6	8871.5	12812.0	13216.9
70°	429.7	434.9	480.3	592.4	800.4	1780.6	4131.4	7850.2	12481.6	12965.2
72.5°	349.3	354.4	389.5	438.3	530.8	1053.0	2504.0	6375.2	11022.8	11545.0
75°	294.5	301.3	333.0	364.7	416.1	676.3	1174.5	4439.6	8289.4	8631.8
77.5°	163.5	150.7	270.5	302.2	351.0	428.0	549.6	2612.7	4642.5	4737.5
80°	101.9	105.3	214.9	243.1	269.7	215.7	251.7	1005.9	1609.4	1528.9
82.5°	6.0	13.7	165.2	175.5	184.9	92.5	95.0	341.6	387.8	356.1
85°	0.0	0.0	75.3	60.8	64.2	26.5	27.4	79.6	52.2	56.5
87.5°	0.0	0.0	0.0	1.7	0.0	2.6	5.1	6.8	2.6	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948728
 CATALOG NUMBER: GALN-SB3C-940-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1589.7	0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
1671.1	2.5°	1611.1	1551.2	1429.6	1310.6	1213.9	1124.0	1059.8	999.0	968.2	966.5
1778.9	5°	1659.9	1534.1	1291.0	1076.1	903.2	764.5	674.6	610.4	577.8	566.7
1911.6	7.5°	1728.4	1539.2	1169.4	870.6	666.9	547.9	496.5	476.0	469.1	461.4
2061.4	10°	1814.9	1551.2	1060.7	701.1	525.6	465.7	445.2	436.6	431.5	426.3
2230.1	12.5°	1911.6	1562.3	952.8	582.1	462.3	431.5	416.9	406.6	399.8	393.8
2403.0	15°	2005.8	1569.2	840.7	499.1	429.7	404.9	389.5	378.4	369.0	362.1
2572.5	17.5°	2099.1	1578.6	735.4	449.4	403.2	378.4	363.0	349.3	341.6	333.9
2750.6	20°	2202.7	1576.9	636.1	414.3	376.7	351.8	335.6	322.7	315.0	306.5
2938.9	22.5°	2298.6	1568.3	548.7	384.4	349.3	325.3	307.3	294.5	286.8	279.9
3131.5	25°	2409.0	1561.5	476.0	357.0	323.6	299.6	279.9	268.0	259.4	253.4
3325.0	27.5°	2515.1	1551.2	422.9	332.2	298.8	275.7	256.8	243.1	235.4	231.1
3524.5	30°	2619.6	1548.6	403.2	308.2	276.5	253.4	234.6	221.7	215.7	214.0
3743.6	32.5°	2745.4	1555.5	411.8	299.6	256.0	232.9	214.9	205.5	199.5	199.5
3987.6	35°	2879.8	1553.8	424.6	307.3	242.3	212.3	198.6	192.6	186.6	186.6
4258.1	37.5°	3048.5	1556.3	434.9	320.2	237.1	195.2	187.5	179.8	176.4	176.4
4554.3	40°	3300.2	1641.1	429.7	331.3	235.4	183.2	167.8	165.2	162.7	162.7
4889.0	42.5°	3608.3	1825.1	436.6	332.2	234.6	174.6	154.1	159.2	153.2	152.4
5266.6	45°	3945.6	2026.3	480.3	314.2	233.7	170.4	147.2	153.2	143.8	143.8
5704.0	47.5°	4280.4	2225.8	524.8	288.5	231.1	169.5	141.3	137.8	135.3	136.1
6274.2	50°	4741.8	2388.4	541.9	253.4	225.1	167.8	130.1	131.0	129.3	131.0
7078.0	52.5°	5244.3	2422.7	521.3	214.0	208.0	162.7	122.4	125.8	125.0	126.7
7643.9	55°	5557.6	2385.9	430.6	178.1	181.5	142.1	114.7	121.6	121.6	121.6
8196.9	57.5°	5881.2	2229.2	305.6	144.7	150.7	116.4	107.9	117.3	116.4	115.6
8862.9	60°	6114.1	1975.8	201.2	119.0	119.9	95.9	100.2	110.4	109.6	105.3
9549.5	62.5°	6287.9	1695.9	129.3	101.0	91.6	86.5	91.6	100.2	96.7	87.3
10131.6	65°	6268.2	1308.1	99.3	86.5	75.3	75.3	79.6	87.3	77.0	61.6
10242.9	67.5°	5902.6	885.2	82.2	72.8	63.3	62.5	65.9	72.8	65.9	52.2
9672.8	70°	5249.4	578.7	65.9	56.5	50.5	46.2	53.1	62.5	55.6	41.9
8234.6	72.5°	4260.7	352.7	49.7	41.1	36.8	30.0	41.9	51.4	44.5	30.8
5726.3	75°	2756.6	179.8	34.2	26.5	19.7	18.0	30.8	38.5	30.8	18.8
2540.8	77.5°	1054.7	75.3	18.8	12.0	10.3	8.6	17.1	23.1	12.8	4.3
492.2	80°	202.9	31.7	9.4	6.0	5.1	3.4	2.6	1.7	0.0	0.0
87.3	82.5°	35.1	10.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
17.1	85°	12.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.0	87.5°	4.3	0.0	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

180°
1589.7
964.8
565.0
459.7
424.6
392.1
361.3
333.0
305.6
279.1
252.5
231.1
213.2
199.5
186.6
176.4
162.7
151.5
143.8
136.1
131.0
126.7
121.6
115.6
105.3
85.6
59.9
50.5
40.2
29.1
16.3
3.4
0.0
0.0
0.0
0.0
0.0

F REPORT)