

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: P948371

Luminaire Tested: **GALN-SB3B-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948371
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-SB3B-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA 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: 10366 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

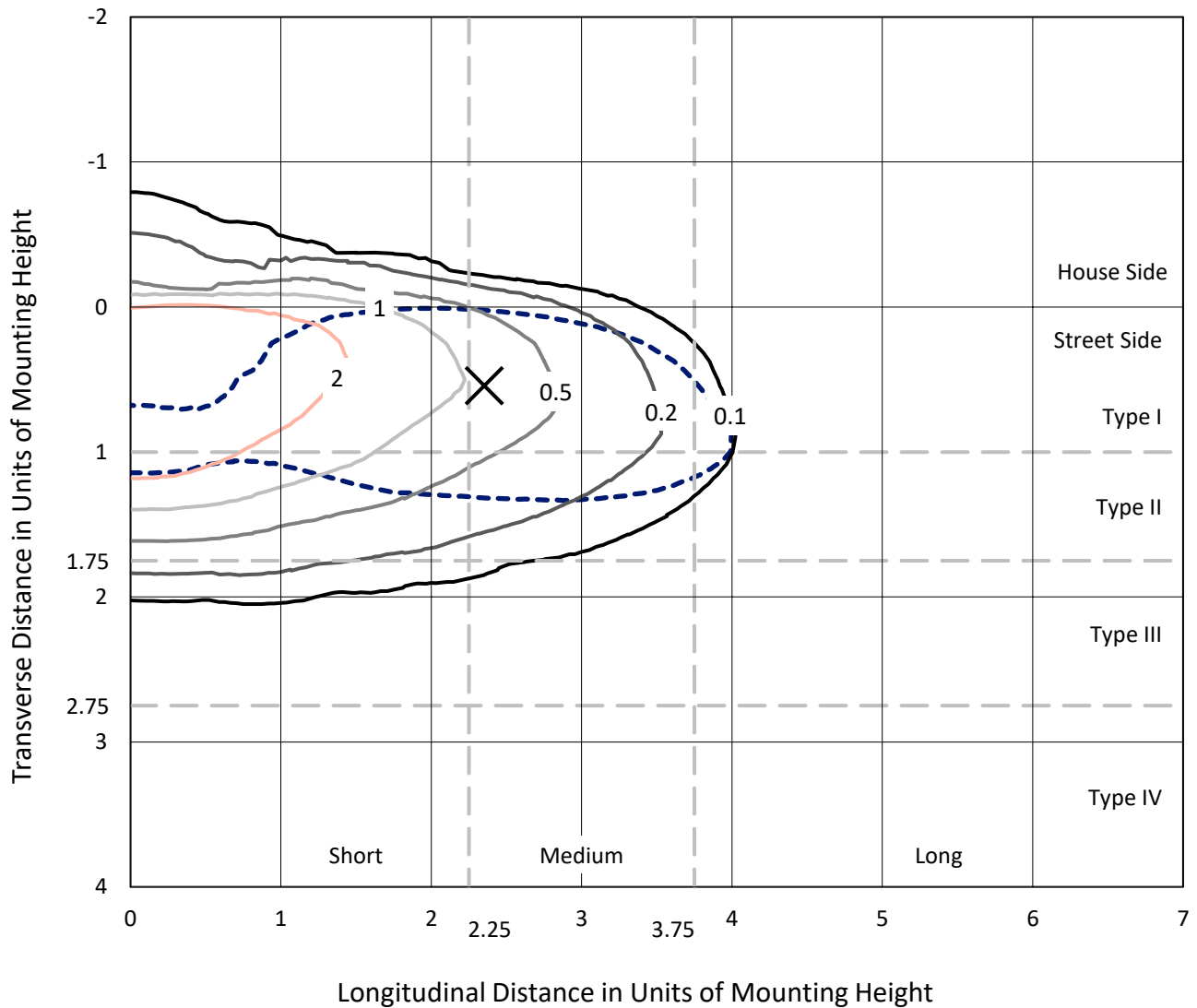
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948371
 CATALOG NUMBER: GALN-SB3B-940-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

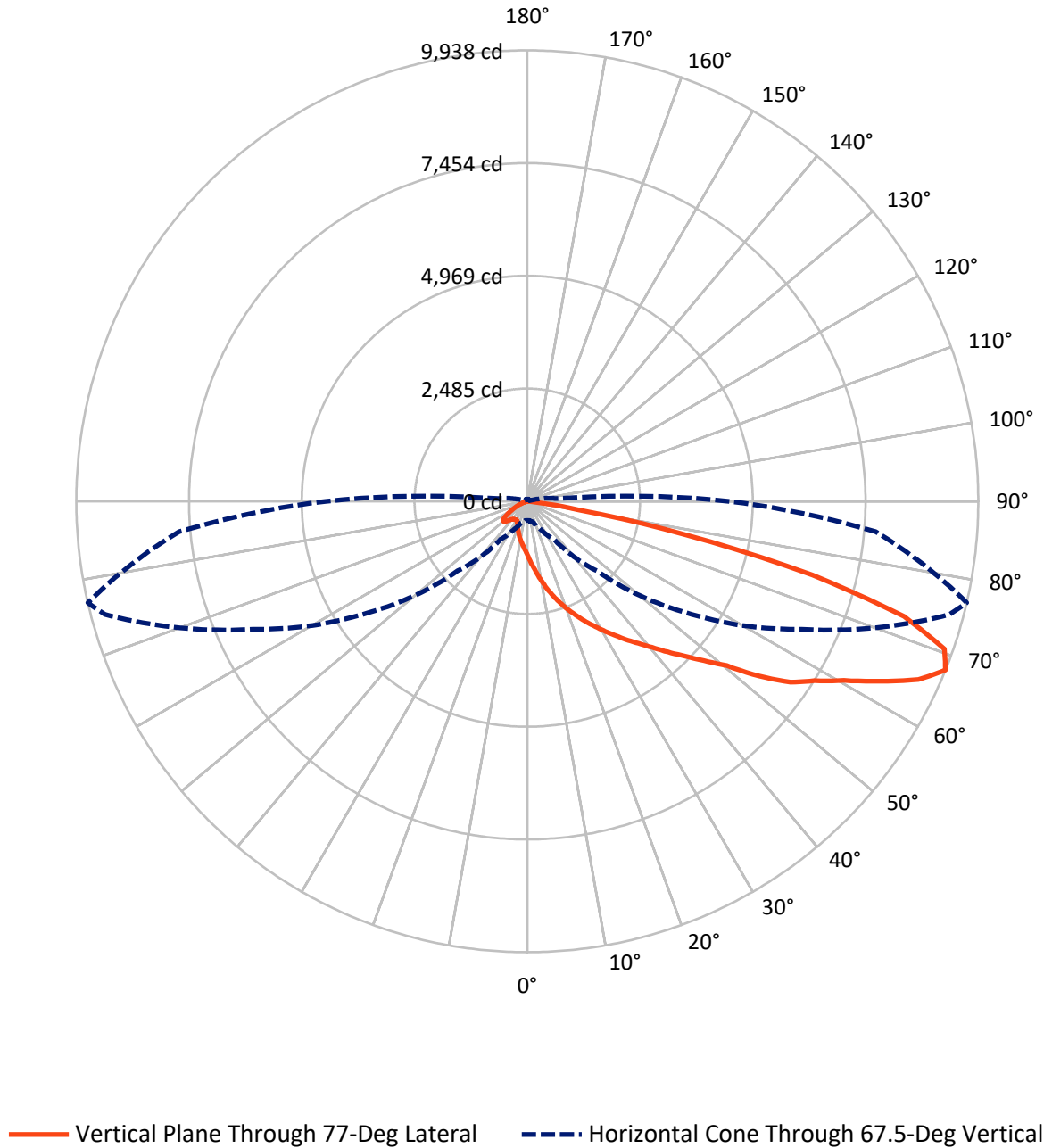
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P948371
CATALOG NUMBER: GALN-SB3B-940-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P948371
 CATALOG NUMBER: GALN-SB3B-940-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	762.6	0.0	762.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	9603.4	0.0	9603.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	10366.0	0.0	10366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	1.2
10°-20°	427.2	4.1
20°-30°	824.5	8.0
30°-40°	1431.3	13.8
40°-50°	2078.2	20.0
50°-60°	2386.6	23.0
60°-70°	2072.0	20.0
70°-80°	975.9	9.4
80°-90°	48.3	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°	10366.0	100.0
0°-180°	10366.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948371

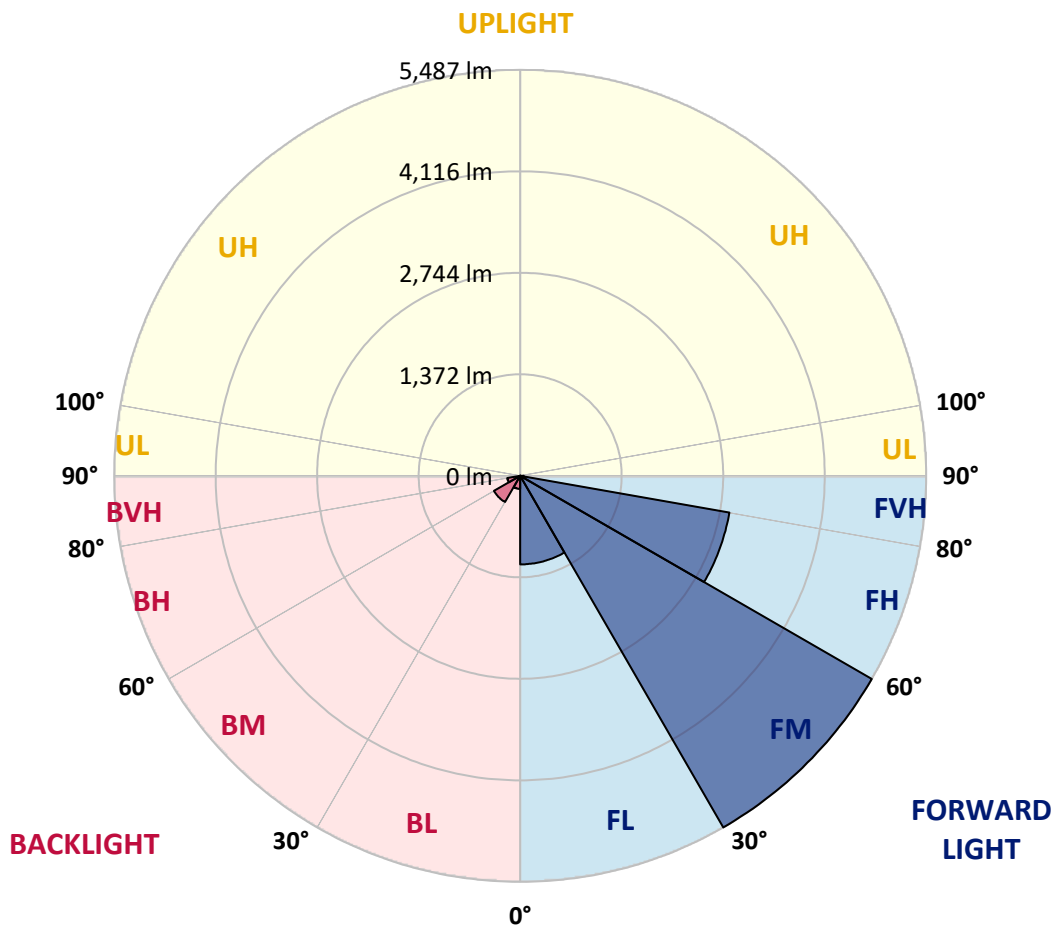
CATALOG NUMBER: GALN-SB3B-940-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1197.2	11.5			
FM (30°-60°)	5487.5	52.9			
FH (60°-80°)	2871.4	27.7			G2/5000
FVH (80°-90°)	47.4	0.5			G1/100
BL (0°-30°)	176.6	1.7	B1/500		
BM (30°-60°)	408.6	3.9	B1/1000		
BH (60°-80°)	176.6	1.7	B1/500		G1/500
BVH (80°-90°)	0.9	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: P948371
 CATALOG NUMBER: GALN-SB3B-940-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4
2.5°	1655.0	1665.3	1650.4	1622.1	1579.6	1552.0	1484.4	1420.6	1349.8	1327.3
5°	2017.4	2026.4	2009.6	1978.7	1922.1	1868.0	1779.2	1645.9	1507.5	1463.1
7.5°	2285.8	2290.9	2284.5	2256.2	2202.1	2140.9	2041.8	1884.1	1678.8	1629.9
10°	2478.9	2495.6	2493.7	2482.8	2446.7	2397.1	2291.6	2112.0	1870.6	1807.5
12.5°	2607.0	2625.7	2636.6	2661.1	2659.1	2627.6	2534.9	2345.0	2061.8	1987.7
15°	2644.3	2664.3	2706.1	2762.8	2813.0	2829.1	2764.1	2573.5	2272.3	2177.6
17.5°	2623.1	2654.0	2704.2	2793.7	2903.7	2976.5	2969.4	2794.3	2463.4	2355.3
20°	2670.1	2699.7	2738.9	2814.3	2942.4	3074.3	3127.1	3005.4	2653.3	2540.0
22.5°	2930.1	2925.0	2928.8	2941.1	3017.7	3148.3	3257.1	3197.3	2841.3	2725.4
25°	3342.1	3318.9	3279.7	3213.4	3194.0	3257.1	3370.4	3367.2	3039.6	2915.3
27.5°	3814.6	3810.7	3718.7	3559.0	3468.9	3444.4	3498.5	3532.6	3235.9	3103.3
30°	4267.1	4277.4	4153.2	3975.5	3810.1	3714.2	3665.2	3689.7	3435.4	3306.0
32.5°	4661.0	4672.0	4536.8	4328.9	4124.2	4008.3	3905.3	3844.8	3653.0	3512.0
35°	4993.8	5004.8	4849.6	4619.8	4401.6	4296.7	4180.2	4014.8	3871.9	3740.5
37.5°	5291.2	5288.0	5080.1	4848.4	4634.0	4551.0	4489.8	4224.0	4097.2	3970.3
40°	5466.9	5480.5	5302.8	5047.3	4839.3	4778.8	4775.0	4483.4	4357.2	4234.3
42.5°	5518.4	5542.3	5413.5	5203.7	5015.1	4949.4	5050.5	4764.0	4659.7	4540.0
45°	5425.8	5448.9	5390.3	5244.9	5134.8	5092.3	5287.4	5055.0	4982.9	4864.4
47.5°	5155.4	5184.4	5198.5	5167.6	5166.3	5209.5	5499.8	5361.4	5366.5	5245.5
50°	4632.1	4681.0	4811.0	4920.4	5089.7	5302.2	5706.4	5693.5	5799.1	5694.8
52.5°	3680.7	3750.2	4198.2	4497.5	4878.0	5284.8	5933.6	6226.5	6558.0	6405.5
55°	2957.8	2957.8	3322.1	3882.2	4464.7	5170.2	6032.8	6572.8	7074.9	7038.9
57.5°	2411.3	2440.3	2672.6	3167.7	3866.7	4897.3	6093.9	6790.4	7491.4	7465.0
60°	1488.2	1550.7	1989.7	2478.2	3186.3	4411.3	6055.3	7010.5	7996.7	8017.9
62.5°	838.1	861.3	1057.0	1783.1	2477.6	3757.9	5759.8	7133.5	8643.0	8733.1
65°	578.7	590.3	665.6	1109.7	1717.4	2991.9	5182.4	7056.9	9290.5	9472.7
67.5°	420.3	426.1	473.1	677.8	1019.0	2169.3	4277.4	6670.7	9633.6	9938.1
70°	323.1	327.0	361.1	445.4	601.9	1338.9	3106.5	5902.7	9385.2	9748.8
72.5°	262.6	266.5	292.9	329.6	399.1	791.8	1882.8	4793.6	8288.3	8680.9
75°	221.4	226.6	250.4	274.2	312.8	508.5	883.2	3338.2	6233.0	6490.4
77.5°	122.9	113.3	203.4	227.2	263.9	321.9	413.3	1964.6	3490.8	3562.2
80°	76.6	79.2	161.6	182.8	202.8	162.2	189.2	756.3	1210.2	1149.6
82.5°	4.5	10.3	124.2	132.0	139.0	69.5	71.5	256.8	291.6	267.8
85°	0.0	0.0	56.6	45.7	48.3	20.0	20.6	59.9	39.3	42.5
87.5°	0.0	0.0	0.0	1.3	0.0	1.9	3.9	5.1	1.9	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948371
 CATALOG NUMBER: GALN-SB3B-940-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1195.4	0°	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4	1195.4
1256.5	2.5°	1211.4	1166.4	1075.0	985.5	912.8	845.2	796.9	751.2	728.0	726.7
1337.6	5°	1248.1	1153.5	970.7	809.1	679.1	574.8	507.2	459.0	434.5	426.1
1437.4	7.5°	1299.6	1157.4	879.3	654.6	501.4	412.0	373.3	357.9	352.7	347.0
1550.0	10°	1364.6	1166.4	797.5	527.2	395.2	350.2	334.7	328.3	324.4	320.6
1676.8	12.5°	1437.4	1174.8	716.4	437.7	347.6	324.4	313.5	305.8	300.6	296.1
1806.9	15°	1508.2	1179.9	632.1	375.3	323.1	304.5	292.9	284.5	277.4	272.3
1934.3	17.5°	1578.4	1187.0	552.9	337.9	303.2	284.5	272.9	262.6	256.8	251.0
2068.2	20°	1656.2	1185.7	478.3	311.6	283.2	264.6	252.3	242.7	236.9	230.4
2209.8	22.5°	1728.3	1179.3	412.6	289.0	262.6	244.6	231.1	221.4	215.6	210.5
2354.7	25°	1811.4	1174.1	357.9	268.4	243.3	225.3	210.5	201.5	195.0	190.5
2500.1	27.5°	1891.2	1166.4	318.0	249.8	224.7	207.3	193.1	182.8	177.0	173.8
2650.1	30°	1969.7	1164.5	303.2	231.7	207.9	190.5	176.4	166.7	162.2	160.9
2814.9	32.5°	2064.3	1169.6	309.6	225.3	192.5	175.1	161.6	154.5	150.0	150.0
2998.4	35°	2165.4	1168.3	319.3	231.1	182.2	159.6	149.3	144.8	140.3	140.3
3201.8	37.5°	2292.2	1170.2	327.0	240.7	178.3	146.8	141.0	135.2	132.6	132.6
3424.5	40°	2481.5	1234.0	323.1	249.1	177.0	137.8	126.2	124.2	122.3	122.3
3676.2	42.5°	2713.2	1372.4	328.3	249.8	176.4	131.3	115.9	119.7	115.2	114.6
3960.0	45°	2966.8	1523.6	361.1	236.2	175.7	128.1	110.7	115.2	108.1	108.1
4289.0	47.5°	3218.5	1673.6	394.6	216.9	173.8	127.5	106.2	103.6	101.7	102.3
4717.7	50°	3565.5	1795.9	407.5	190.5	169.3	126.2	97.8	98.5	97.2	98.5
5322.1	52.5°	3943.3	1821.7	392.0	160.9	156.4	122.3	92.0	94.6	94.0	95.3
5747.6	55°	4178.9	1794.0	323.8	133.9	136.5	106.9	86.3	91.4	91.4	91.4
6163.4	57.5°	4422.2	1676.2	229.8	108.8	113.3	87.5	81.1	88.2	87.5	86.9
6664.2	60°	4597.3	1485.7	151.3	89.5	90.1	72.1	75.3	83.0	82.4	79.2
7180.5	62.5°	4728.0	1275.2	97.2	76.0	68.9	65.0	68.9	75.3	72.7	65.7
7618.2	65°	4713.2	983.6	74.7	65.0	56.6	56.6	59.9	65.7	57.9	46.3
7701.9	67.5°	4438.3	665.6	61.8	54.7	47.6	47.0	49.6	54.7	49.6	39.3
7273.2	70°	3947.2	435.1	49.6	42.5	38.0	34.8	39.9	47.0	41.8	31.5
6191.8	72.5°	3203.7	265.2	37.3	30.9	27.7	22.5	31.5	38.6	33.5	23.2
4305.7	75°	2072.7	135.2	25.7	20.0	14.8	13.5	23.2	29.0	23.2	14.2
1910.5	77.5°	793.0	56.6	14.2	9.0	7.7	6.4	12.9	17.4	9.7	3.2
370.1	80°	152.6	23.8	7.1	4.5	3.9	2.6	1.9	1.3	0.0	0.0
65.7	82.5°	26.4	7.7	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
12.9	85°	9.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.5	87.5°	3.2	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°
1195.4
725.5
424.8
345.7
319.3
294.8
271.6
250.4
229.8
209.8
189.9
173.8
160.3
150.0
140.3
132.6
122.3
113.9
108.1
102.3
98.5
95.3
91.4
86.9
79.2
64.4
45.1
38.0
30.3
21.9
12.2
2.6
0.0
0.0
0.0
0.0
0.0

F REPORT)