

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: P942608

Luminaire Tested: **GALN-SB6C-940-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
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-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

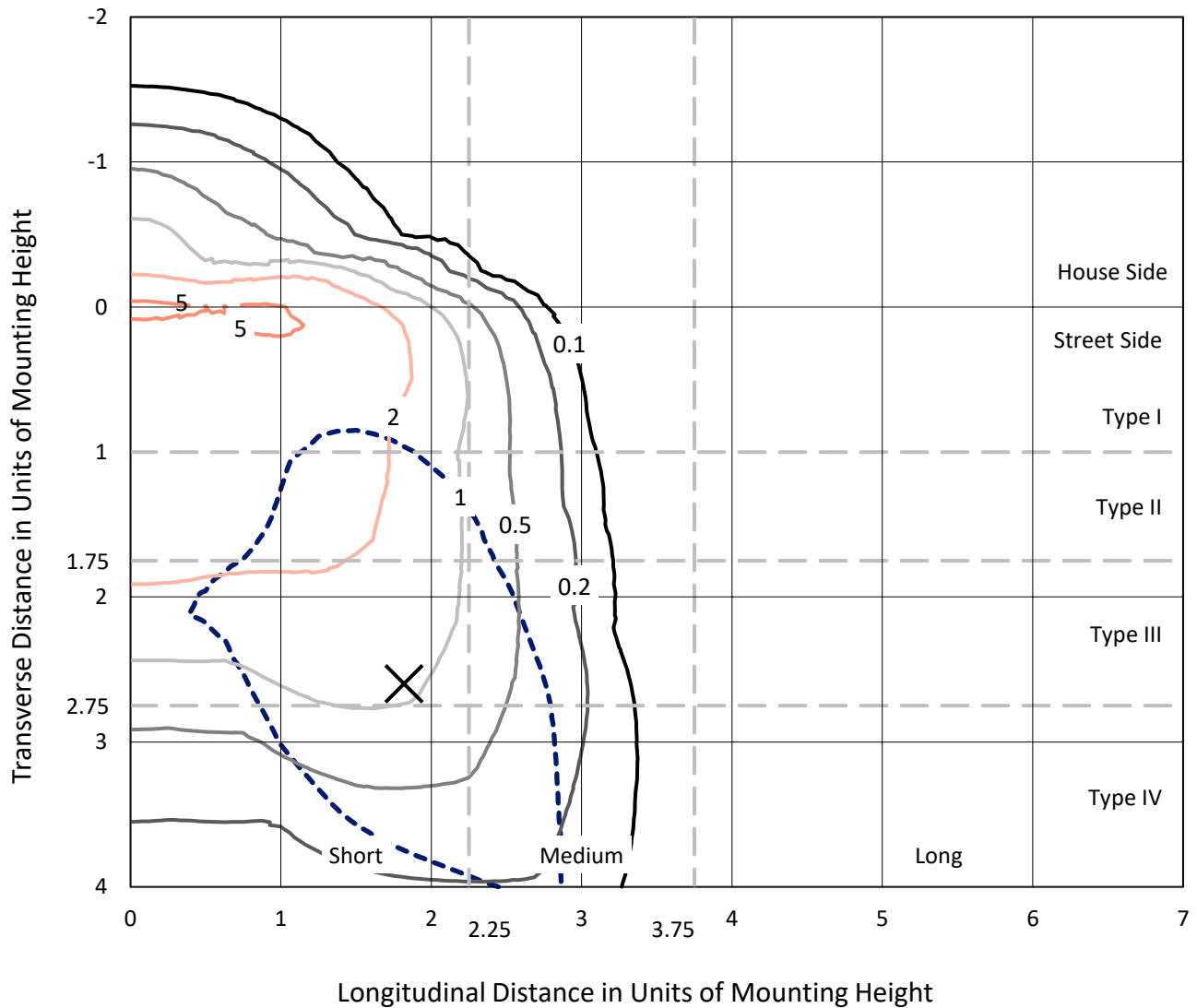
Lumens per Lamp: N/A  
Luminaire Lumens: 24917 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P942608  
 CATALOG NUMBER: GALN-SB6C-940-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

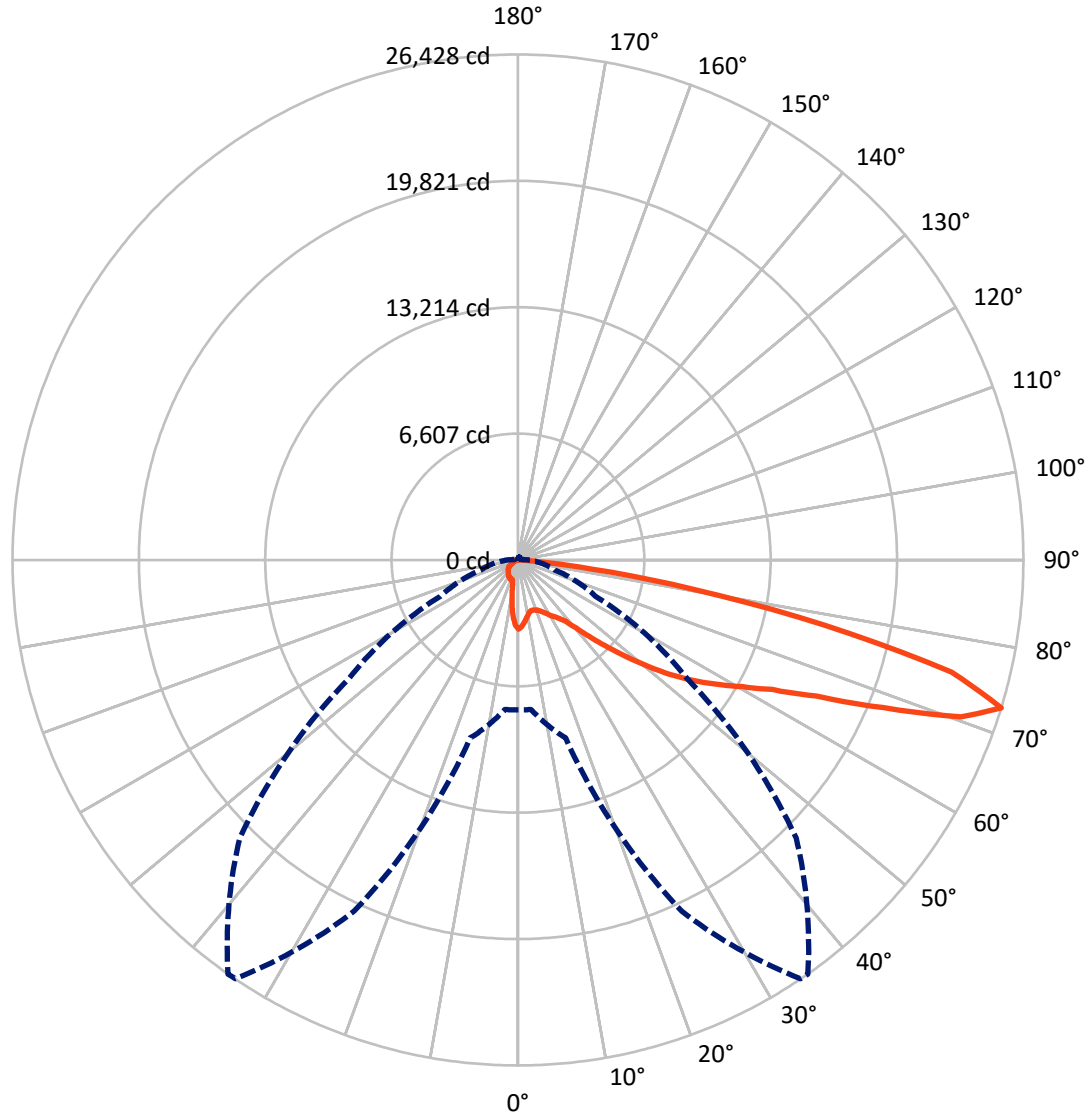
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P942608  
CATALOG NUMBER: GALN-SB6C-940-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P942608  
 CATALOG NUMBER: GALN-SB6C-940-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2804.3	0.0	2804.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	22112.7	0.0	22112.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	24917.0	0.0	24917.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.8	1.2
10°-20°	694.2	2.8
20°-30°	1127.7	4.5
30°-40°	1881.6	7.6
40°-50°	3560.1	14.3
50°-60°	5657.0	22.7
60°-70°	6998.0	28.1
70°-80°	4350.0	17.5
80°-90°	351.6	1.4
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°	24917.0	100.0
0°-180°	24917.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P942608

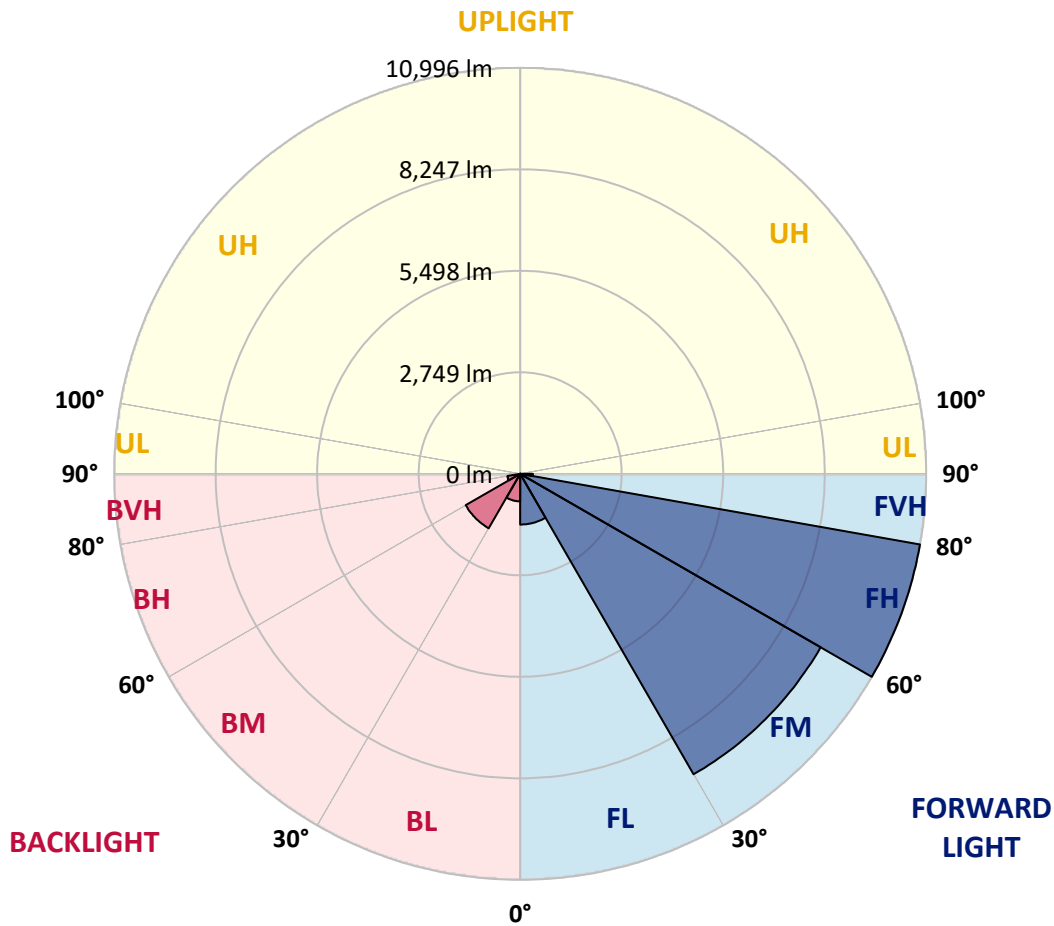
CATALOG NUMBER: GALN-SB6C-940-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1373.6	5.5			
FM (30°-60°)	9396.2	37.7			
FH (60°-80°)	10996.2	44.1			G4/12000
FVH (80°-90°)	346.8	1.4			G3/500
BL (0°-30°)	745.2	3.0	B2/1000		
BM (30°-60°)	1702.5	6.8	B2/2500		
BH (60°-80°)	351.9	1.4	B1/500		G1/500
BVH (80°-90°)	4.8	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 IV Short



REPORT NUMBER: P942608  
 CATALOG NUMBER: GALN-SB6C-940-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3
2.5°	3450.6	3479.9	3485.3	3494.5	3494.5	3505.4	3523.7	3549.2	3591.2	3613.1
5°	3180.4	3202.3	3229.7	3251.6	3293.6	3299.1	3370.3	3439.7	3536.5	3609.5
7.5°	2908.4	2934.0	2970.5	3023.4	3078.2	3094.6	3202.3	3319.2	3472.6	3609.5
10°	2716.7	2718.5	2751.4	2804.3	2892.0	2912.1	3043.5	3209.6	3401.3	3587.6
12.5°	2609.0	2621.8	2636.4	2676.5	2760.5	2773.3	2913.9	3109.2	3330.1	3574.8
15°	2609.0	2618.1	2627.2	2647.3	2714.9	2725.8	2850.0	3045.3	3293.6	3580.3
17.5°	2636.4	2651.0	2643.7	2667.4	2738.6	2745.9	2855.5	3027.1	3291.8	3615.0
20°	2702.1	2713.0	2698.4	2713.0	2784.2	2798.9	2912.1	3061.8	3322.8	3675.2
22.5°	2806.2	2811.6	2776.9	2787.9	2860.9	2879.2	3010.6	3160.4	3397.7	3772.0
25°	2937.6	2948.6	2895.6	2908.4	2977.8	2999.7	3151.2	3308.2	3516.4	3905.3
27.5°	3089.1	3094.6	3049.0	3047.2	3136.6	3167.7	3321.0	3490.8	3675.2	4073.2
30°	3262.6	3279.0	3235.2	3227.9	3341.1	3366.7	3518.2	3715.4	3908.9	4325.2
32.5°	3399.5	3412.3	3386.7	3405.0	3520.0	3540.1	3757.4	4033.1	4275.9	4683.0
35°	3596.7	3604.0	3545.6	3578.4	3709.9	3761.0	4084.2	4478.5	4737.8	5132.1
37.5°	4310.6	4310.6	4062.3	3899.8	4025.8	4071.4	4531.5	5039.0	5307.4	5734.6
40°	5298.3	5281.9	4918.5	4586.3	4569.8	4659.3	5168.7	5745.6	6043.2	6457.6
42.5°	6351.7	6326.2	5831.4	5502.8	5448.0	5479.0	5904.4	6616.5	6919.5	7339.5
45°	7286.5	7279.2	6826.4	6384.6	6286.0	6384.6	6822.8	7635.2	7852.5	8294.3
47.5°	8069.8	8069.8	7739.3	7450.8	7399.7	7458.1	8066.1	8765.4	8745.3	9311.3
50°	8971.7	8964.4	8650.3	8526.2	8579.1	8661.3	9497.5	9955.7	9669.1	10309.9
52.5°	9603.4	9647.2	9539.5	9519.4	9789.6	9932.0	10950.8	11120.6	10496.2	11257.5
55°	10103.6	10154.8	10278.9	10419.5	10939.8	11126.0	12358.4	12225.1	11188.1	12079.1
57.5°	10812.0	10739.0	10930.7	11208.2	12049.9	12274.4	13722.2	13267.6	11745.0	12745.5
60°	11671.9	11682.9	11715.8	12066.3	13158.1	13446.6	15066.0	14253.5	12102.8	13154.4
62.5°	12705.3	12721.7	12789.3	13327.9	14646.1	14918.1	16497.4	15060.5	12267.1	13039.4
65°	12634.1	12703.5	13457.5	15299.7	16908.2	17176.5	18167.9	15626.5	12018.8	11987.8
67.5°	11509.4	11622.6	12884.2	17654.9	20318.6	20618.1	20187.2	15737.9	10947.1	9322.2
70°	10034.3	10074.4	11591.6	19772.7	24267.7	24570.8	21994.7	14512.8	8307.1	5199.7
72.5°	7836.1	7845.2	9625.3	20263.9	26411.1	26427.5	20576.1	10773.7	4467.6	1997.4
75°	5597.7	5542.9	6446.7	16433.5	23236.2	23422.4	15425.7	5053.6	1707.1	943.9
77.5°	3001.5	3061.8	3647.8	9745.8	16051.9	16369.6	8416.6	1456.9	869.1	642.7
80°	927.5	978.6	1495.3	4462.1	9092.2	9283.9	3120.2	648.1	606.1	458.3
82.5°	292.1	303.1	697.4	1875.0	3773.8	3861.4	903.7	367.0	414.4	303.1
85°	84.0	85.8	310.4	699.3	933.0	951.2	253.8	142.4	237.3	188.1
87.5°	9.1	29.2	116.8	116.8	82.2	80.3	27.4	31.0	67.6	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942608  
 CATALOG NUMBER: GALN-SB6C-940-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3611.3	0°	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3
3627.7	2.5°	3618.6	3620.4	3596.7	3556.5	3512.7	3476.2	3430.6	3394.0	3368.5	3361.2
3660.6	5°	3644.2	3631.4	3563.8	3441.5	3295.5	3169.5	3028.9	2917.5	2844.5	2813.5
3695.3	7.5°	3682.5	3646.0	3498.1	3257.1	2977.8	2729.5	2477.5	2282.2	2158.0	2095.9
3728.2	10°	3715.4	3642.3	3388.6	2990.6	2563.3	2187.2	1847.6	1612.1	1480.7	1418.6
3766.5	12.5°	3746.4	3640.5	3246.2	2674.7	2095.9	1635.9	1320.0	1203.2	1166.6	1153.9
3828.6	15°	3804.8	3646.0	3067.2	2313.2	1630.4	1236.0	1121.0	1119.2	1126.5	1122.8
3923.5	17.5°	3885.2	3651.5	2864.6	1929.8	1257.9	1090.0	1084.5	1100.9	1111.9	1106.4
4042.2	20°	3989.2	3673.4	2649.1	1550.1	1080.8	1053.5	1066.2	1080.8	1090.0	1080.8
4201.0	22.5°	4135.3	3711.7	2413.6	1245.2	1024.2	1031.5	1042.5	1058.9	1068.1	1055.3
4403.7	25°	4314.2	3772.0	2181.8	1082.7	996.9	1006.0	1022.4	1040.7	1051.6	1038.8
4659.3	27.5°	4546.1	3868.7	1968.1	1046.1	969.5	974.9	998.7	1026.1	1040.7	1024.2
5022.6	30°	4882.0	4027.6	1783.7	1062.6	953.0	940.3	973.1	1011.5	1027.9	1013.3
5517.4	32.5°	5327.5	4252.1	1670.5	1088.1	945.7	900.1	931.1	980.4	1007.8	998.7
6163.7	35°	5911.7	4593.6	1626.7	1117.4	940.3	858.1	880.0	933.0	980.4	989.5
6978.0	37.5°	6620.1	5068.2	1639.5	1130.1	923.8	823.4	834.4	880.0	942.1	971.3
7894.5	40°	7425.3	5621.4	1712.5	1117.4	905.6	794.2	796.0	830.7	885.5	929.3
8880.4	42.5°	8256.0	6267.8	1847.6	1069.9	889.1	768.6	763.2	786.9	823.4	854.4
9864.5	45°	9046.5	6932.3	1980.9	1004.2	869.1	743.1	730.3	739.4	746.7	759.5
10823.0	47.5°	9736.7	7399.7	1942.6	943.9	841.7	713.9	692.0	688.3	666.4	664.6
11679.2	50°	10213.2	7502.0	1725.3	883.7	801.5	681.0	646.3	624.4	586.1	567.8
12320.1	52.5°	10364.7	7098.5	1409.5	823.4	735.8	637.2	587.9	553.2	505.7	489.3
12688.9	55°	10163.9	6307.9	1126.5	750.4	644.5	578.8	524.0	478.3	440.0	419.9
12729.0	57.5°	9672.8	5301.9	891.0	664.6	547.7	513.0	458.3	412.6	379.8	359.7
12283.6	60°	8858.5	4210.2	704.7	562.3	467.4	441.8	385.2	356.0	326.8	303.1
11133.3	62.5°	7622.5	3005.2	553.2	445.5	390.7	361.5	328.6	306.7	272.0	239.2
9064.8	65°	5948.3	1838.5	427.2	326.8	314.0	299.4	279.3	259.3	217.3	184.4
5913.6	67.5°	3751.9	870.9	304.9	246.5	248.3	241.0	231.9	215.4	184.4	155.2
2649.1	70°	1652.3	421.7	200.8	188.1	184.4	184.4	191.7	186.2	157.0	129.6
920.2	72.5°	562.3	226.4	149.7	142.4	133.3	131.5	160.7	155.2	126.0	100.4
458.3	75°	293.9	151.5	109.5	102.2	80.3	96.8	127.8	120.5	89.5	65.7
303.1	77.5°	191.7	107.7	74.9	65.7	45.6	63.9	94.9	84.0	52.9	32.9
199.0	80°	120.5	71.2	43.8	31.0	21.9	34.7	51.1	36.5	20.1	7.3
116.8	82.5°	63.9	36.5	16.4	11.0	9.1	11.0	12.8	9.1	3.7	0.0
60.2	85°	25.6	12.8	5.5	3.7	1.8	0.0	3.7	1.8	0.0	0.0
11.0	87.5°	9.1	1.8	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>
3611.3
3374.0
2824.4
2105.1
1420.4
1150.2
1121.0
1104.6
1079.0
1053.5
1037.0
1024.2
1011.5
998.7
989.5
978.6
943.9
867.2
766.8
662.7
569.6
487.5
419.9
356.0
297.6
233.7
178.9
151.5
124.2
94.9
60.2
29.2
5.5
0.0
0.0
0.0
0.0

F REPORT)