

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: P948723

Luminaire Tested: **GALN-SB3C-940-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
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-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15914 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

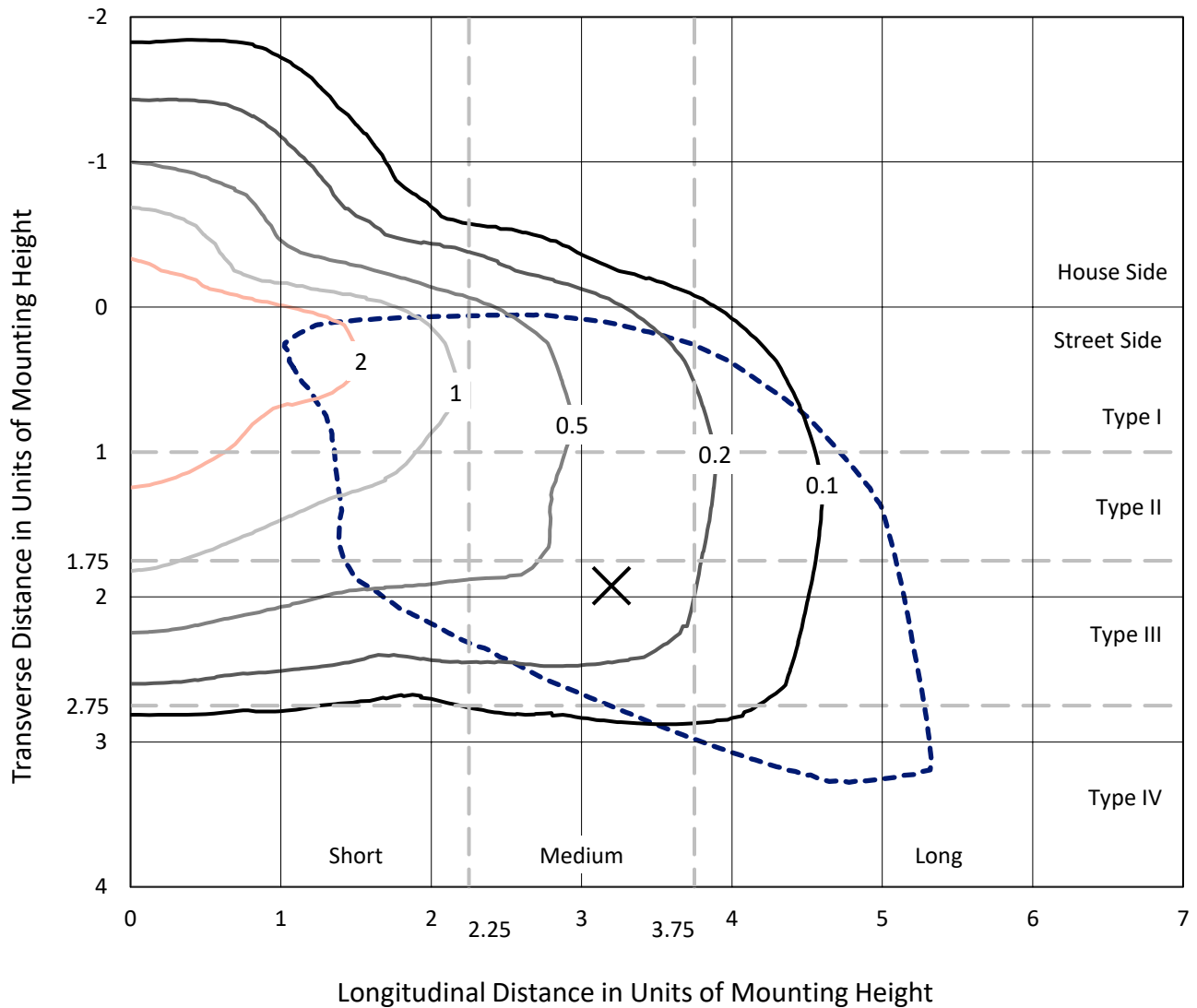
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948723
 CATALOG NUMBER: GALN-SB3C-940-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

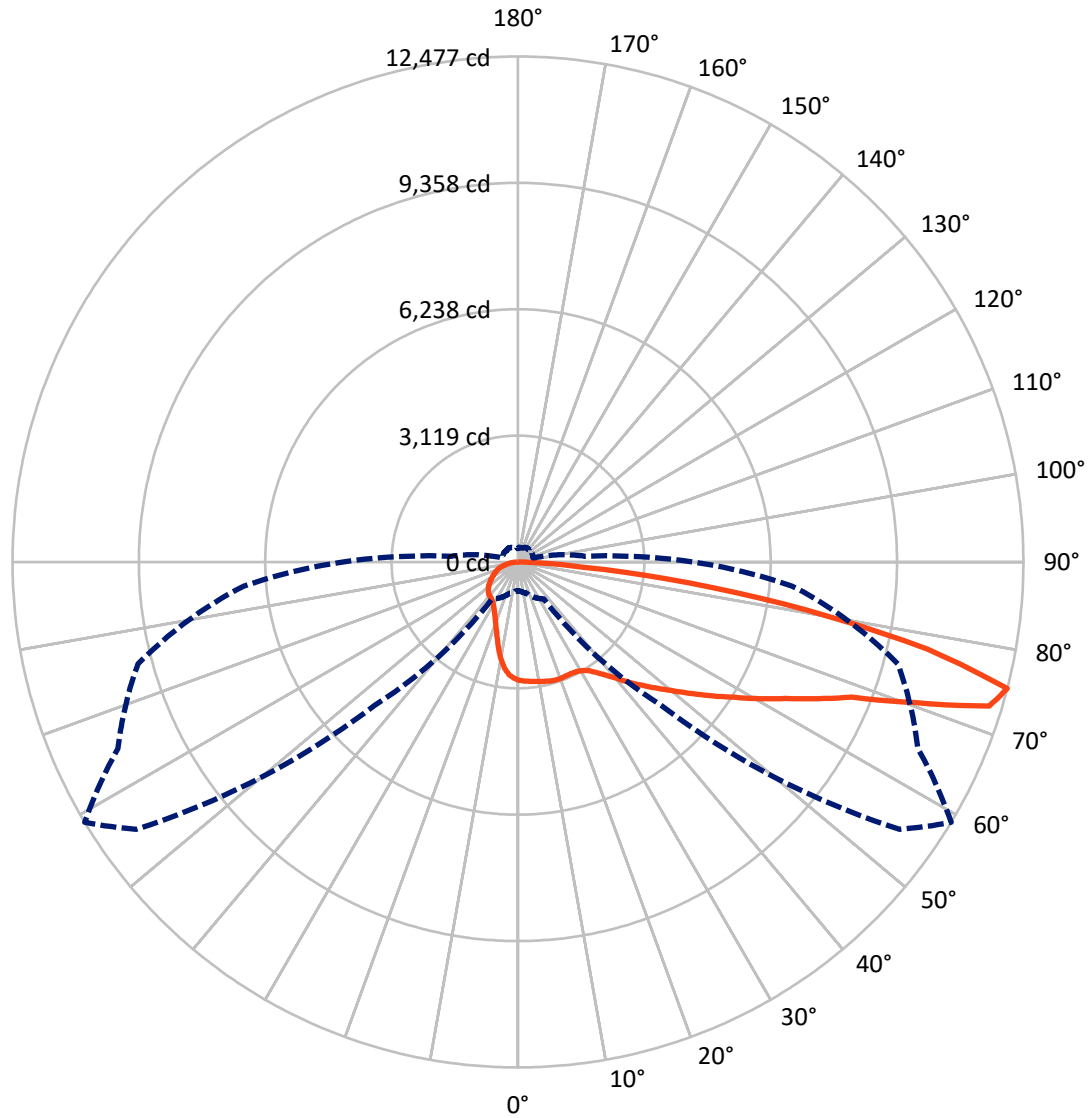
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P948723
CATALOG NUMBER: GALN-SB3C-940-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P948723
 CATALOG NUMBER: GALN-SB3C-940-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2984.8	0.0	2984.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	12929.2	0.0	12929.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	15914.0	0.0	15914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.9	1.6
10°-20°	669.5	4.2
20°-30°	1016.9	6.4
30°-40°	1511.5	9.5
40°-50°	2247.9	14.1
50°-60°	3051.3	19.2
60°-70°	3725.1	23.4
70°-80°	2923.4	18.4
80°-90°	506.4	3.2
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°	15914.0	100.0
0°-180°	15914.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948723

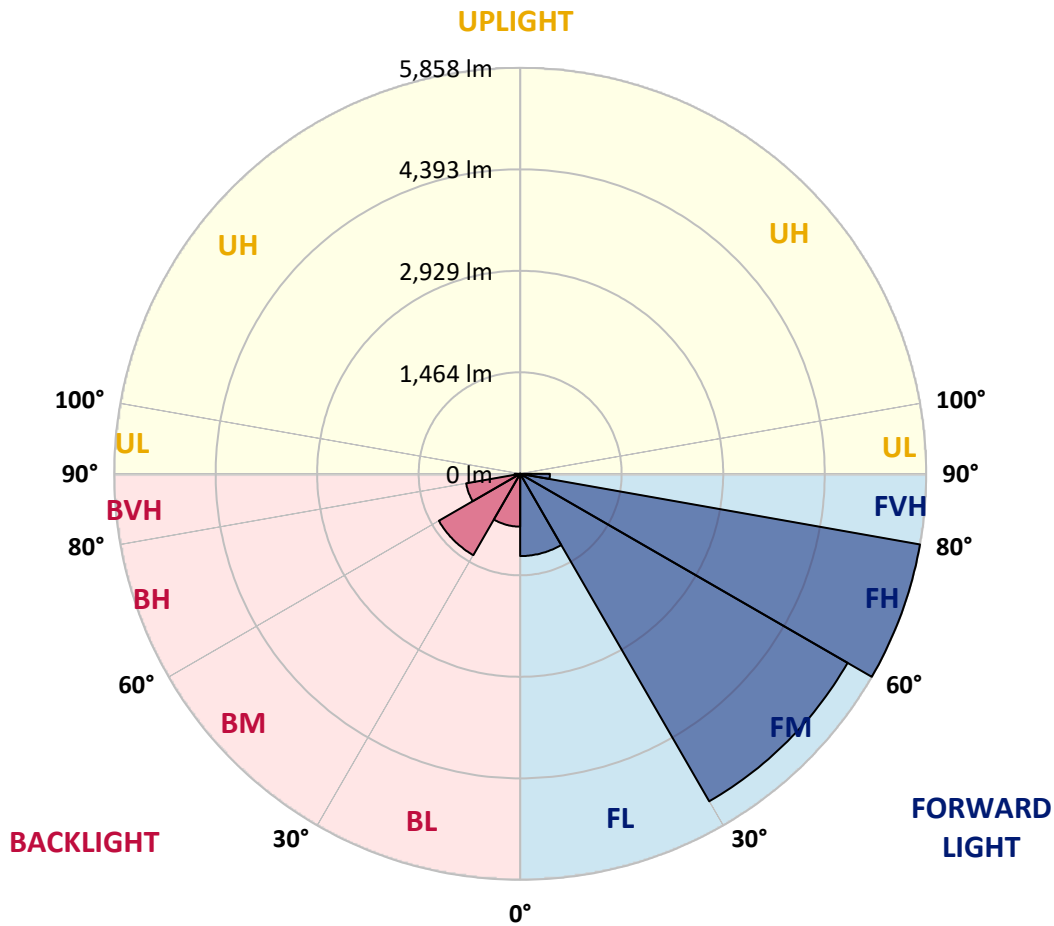
CATALOG NUMBER: GALN-SB3C-940-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.6	7.5			
FM (30°-60°)	5456.0	34.3			
FH (60°-80°)	5857.8	36.8			G3/7500
FVH (80°-90°)	428.9	2.7			G3/500
BL (0°-30°)	761.7	4.8	B2/1000		
BM (30°-60°)	1354.8	8.5	B2/2500		
BH (60°-80°)	790.8	5.0	B2/1000		G2/1000
BVH (80°-90°)	77.5	0.5			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 IV Medium



REPORT NUMBER: P948723

CATALOG NUMBER: GALN-SB3C-940-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0
2.5°	2945.8	2935.5	2945.8	2941.5	2939.8	2936.4	2937.2	2943.2	2939.8	2944.1
5°	2926.1	2920.1	2930.4	2927.8	2939.0	2940.7	2951.8	2958.6	2962.9	2963.8
7.5°	2893.6	2887.6	2902.1	2914.1	2938.1	2944.9	2968.1	2979.2	2985.2	2995.5
10°	2774.6	2772.0	2808.0	2853.3	2909.9	2944.9	2980.0	2998.9	3008.3	3035.7
12.5°	2564.0	2567.4	2614.5	2701.8	2814.8	2927.8	2993.7	3021.1	3035.7	3069.9
15°	2362.8	2362.0	2413.3	2506.6	2665.0	2852.5	3000.6	3047.7	3072.5	3123.0
17.5°	2246.4	2243.0	2278.9	2350.0	2497.2	2736.9	2983.5	3062.2	3115.3	3178.7
20°	2225.0	2218.1	2237.0	2272.1	2376.5	2610.2	2939.0	3062.2	3149.6	3231.7
22.5°	2302.9	2291.8	2284.0	2279.8	2326.0	2505.8	2888.4	3052.0	3200.1	3307.9
25°	2459.5	2442.4	2403.0	2364.5	2350.8	2458.7	2843.9	3049.4	3275.4	3410.7
27.5°	2712.9	2691.5	2611.9	2519.5	2436.4	2482.7	2824.2	3064.8	3358.4	3519.4
30°	3027.1	3004.0	2903.9	2761.7	2612.8	2571.7	2849.1	3110.2	3464.6	3664.1
32.5°	3308.8	3283.1	3197.5	3052.8	2851.6	2725.8	2927.8	3196.6	3631.5	3865.2
35°	3558.8	3528.8	3451.8	3318.2	3144.4	2942.4	3069.9	3349.9	3868.7	4192.3
37.5°	3803.6	3768.5	3684.6	3543.4	3421.8	3230.9	3266.0	3546.8	4183.7	4589.5
40°	4077.6	4027.0	3925.2	3785.6	3667.5	3569.0	3523.7	3788.2	4503.9	5033.0
42.5°	4342.9	4295.0	4173.4	4054.4	3906.3	3878.1	3822.4	4070.7	4854.0	5520.1
45°	4628.9	4571.5	4424.3	4273.6	4180.3	4083.5	4111.8	4353.2	5197.3	6016.6
47.5°	4896.8	4832.6	4658.8	4491.0	4439.7	4256.5	4377.2	4664.0	5554.3	6520.0
50°	5041.5	4978.2	4833.5	4682.0	4641.7	4469.6	4664.8	5005.6	5928.4	7021.7
52.5°	5162.2	5093.7	4904.5	4820.6	4808.7	4701.6	5019.3	5395.9	6302.5	7465.1
55°	5290.6	5214.4	4973.0	4897.7	4952.5	4961.9	5439.6	5838.5	6698.0	7897.4
57.5°	5438.7	5342.0	5038.9	4962.8	5092.9	5266.7	5922.4	6297.4	7086.7	8298.1
60°	5578.3	5480.7	5165.6	5066.3	5244.4	5620.2	6476.3	6853.0	7526.7	8655.1
62.5°	5605.7	5525.2	5266.7	5265.8	5449.9	6032.9	7132.1	7413.7	7911.1	9007.8
65°	5131.4	5080.9	4927.7	5258.1	5744.4	6627.0	7862.3	8131.1	8400.0	9316.0
67.5°	3905.5	3912.3	3901.2	4539.0	5506.4	7480.5	8919.6	8899.1	9003.5	9661.8
70°	1785.8	1826.0	2088.0	3133.3	4411.4	7579.0	10667.7	10401.5	9761.1	10109.6
72.5°	964.8	995.6	1102.6	1517.8	2652.2	6738.3	11974.1	12163.3	10768.8	10410.9
75°	708.0	725.1	799.6	964.8	1113.8	5008.1	11505.9	12476.7	10894.6	9708.1
77.5°	529.9	537.6	598.4	764.5	570.2	2640.2	9193.6	10333.0	9326.2	7976.2
80°	384.4	392.9	438.3	573.6	399.8	965.7	6312.8	7252.8	6387.3	5084.3
82.5°	265.4	268.8	288.5	390.4	279.1	375.0	3581.9	4253.1	3565.6	1784.1
85°	160.1	164.4	172.9	227.7	158.4	178.1	1546.1	1599.2	1065.8	426.3
87.5°	65.9	70.2	77.0	95.9	62.5	49.7	255.1	320.2	199.5	125.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948723
 CATALOG NUMBER: GALN-SB3C-940-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2921.0	0°	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0	2921.0
2929.5	2.5°	2925.3	2919.3	2903.0	2880.7	2860.2	2834.5	2823.4	2814.0	2805.4	2789.1
2952.7	5°	2943.2	2927.0	2883.3	2826.8	2762.6	2692.4	2623.9	2576.8	2536.6	2506.6
2979.2	7.5°	2970.6	2939.8	2860.2	2744.6	2597.4	2446.7	2310.6	2213.8	2141.1	2114.5
3016.9	10°	2998.9	2962.1	2823.4	2619.6	2365.4	2133.4	1952.7	1853.4	1795.2	1776.4
3061.4	12.5°	3032.3	2978.3	2766.0	2445.8	2106.0	1851.7	1694.2	1636.0	1606.0	1595.8
3116.2	15°	3081.1	2992.0	2679.6	2228.4	1858.6	1646.3	1544.4	1504.2	1488.7	1487.9
3172.7	17.5°	3117.9	2994.6	2545.2	1995.5	1668.5	1522.1	1438.2	1422.8	1433.1	1448.5
3228.3	20°	3159.0	2971.5	2368.8	1783.2	1535.0	1413.4	1378.3	1388.6	1413.4	1435.7
3301.9	22.5°	3188.1	2929.5	2155.6	1618.0	1419.4	1350.9	1349.2	1370.6	1384.3	1395.4
3388.4	25°	3213.8	2858.5	1929.6	1479.3	1324.4	1313.2	1332.1	1325.2	1315.8	1325.2
3474.9	27.5°	3232.6	2746.3	1727.6	1357.8	1257.6	1287.6	1276.4	1261.0	1260.2	1265.3
3576.7	30°	3226.6	2596.5	1561.5	1242.2	1210.5	1239.6	1213.1	1210.5	1207.9	1210.5
3730.0	32.5°	3226.6	2426.2	1434.0	1162.6	1180.5	1169.4	1166.9	1160.9	1150.6	1149.7
3938.0	35°	3244.6	2255.8	1324.4	1119.8	1155.7	1129.2	1130.9	1116.3	1094.9	1084.7
4213.7	37.5°	3281.4	2118.8	1215.6	1099.2	1112.1	1111.2	1104.4	1079.5	1041.9	1009.3
4557.8	40°	3370.4	2078.6	1141.2	1089.8	1091.5	1101.8	1083.8	1035.9	950.3	897.2
4907.1	42.5°	3510.0	2146.2	1124.9	1066.7	1077.8	1088.1	1053.0	941.7	880.9	849.2
5273.5	45°	3687.2	2264.4	1160.0	1033.3	1045.3	1063.3	958.8	905.7	878.3	879.2
5636.5	47.5°	3911.5	2388.5	1225.1	1004.2	998.2	1008.5	896.3	863.8	826.1	835.5
5984.9	50°	4170.9	2514.3	1286.7	964.8	946.0	912.6	856.1	825.3	777.3	755.1
6321.4	52.5°	4451.7	2635.9	1311.5	916.9	889.5	851.0	828.7	791.0	732.8	696.0
6639.0	55°	4717.9	2746.3	1284.1	859.5	833.0	803.0	799.6	776.5	714.0	662.6
6921.5	57.5°	4969.6	2838.8	1215.6	801.3	775.6	757.6	780.8	769.6	690.9	624.9
7188.6	60°	5182.8	2902.1	1116.3	742.2	724.3	714.8	749.9	746.5	658.3	584.7
7428.3	62.5°	5352.3	2927.0	1006.8	685.7	681.4	664.3	707.1	707.1	617.2	545.3
7638.9	65°	5485.0	2903.0	895.5	630.1	638.6	613.0	654.9	649.8	573.6	510.2
7881.2	67.5°	5602.3	2824.2	772.2	575.3	595.0	562.5	600.1	588.1	525.6	475.1
8090.9	70°	5654.5	2641.0	631.8	520.5	544.5	512.8	545.3	523.1	471.7	437.5
7860.6	72.5°	5235.0	2195.0	497.4	463.1	483.7	458.0	486.3	460.6	413.5	398.1
6787.9	75°	4331.0	1647.1	382.7	400.7	416.1	396.4	415.2	396.4	353.6	364.7
5014.1	77.5°	3145.3	1112.1	292.8	334.7	341.6	331.3	347.6	326.2	287.6	285.1
2498.9	80°	1564.1	651.5	229.4	264.5	262.0	255.1	273.9	263.7	231.1	244.8
674.6	82.5°	452.9	279.1	166.9	185.8	180.6	182.3	196.0	201.2	301.3	298.8
209.7	85°	142.1	109.6	100.2	103.6	98.5	101.0	115.6	229.4	212.3	124.1
65.1	87.5°	36.8	37.7	24.8	26.5	27.4	32.5	36.8	139.5	66.8	43.7
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>
2921.0
2781.4
2481.8
2068.3
1747.3
1598.3
1491.3
1454.5
1443.4
1401.4
1331.2
1273.9
1219.9
1160.9
1094.9
1020.5
904.0
849.2
883.5
859.5
761.1
695.1
662.6
621.5
582.1
542.8
506.8
471.7
430.6
385.2
333.0
272.2
242.3
305.6
134.4
46.2
0.0

F REPORT)