

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: P943282

Luminaire Tested: **GALN-SB7C-940-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7C-940-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

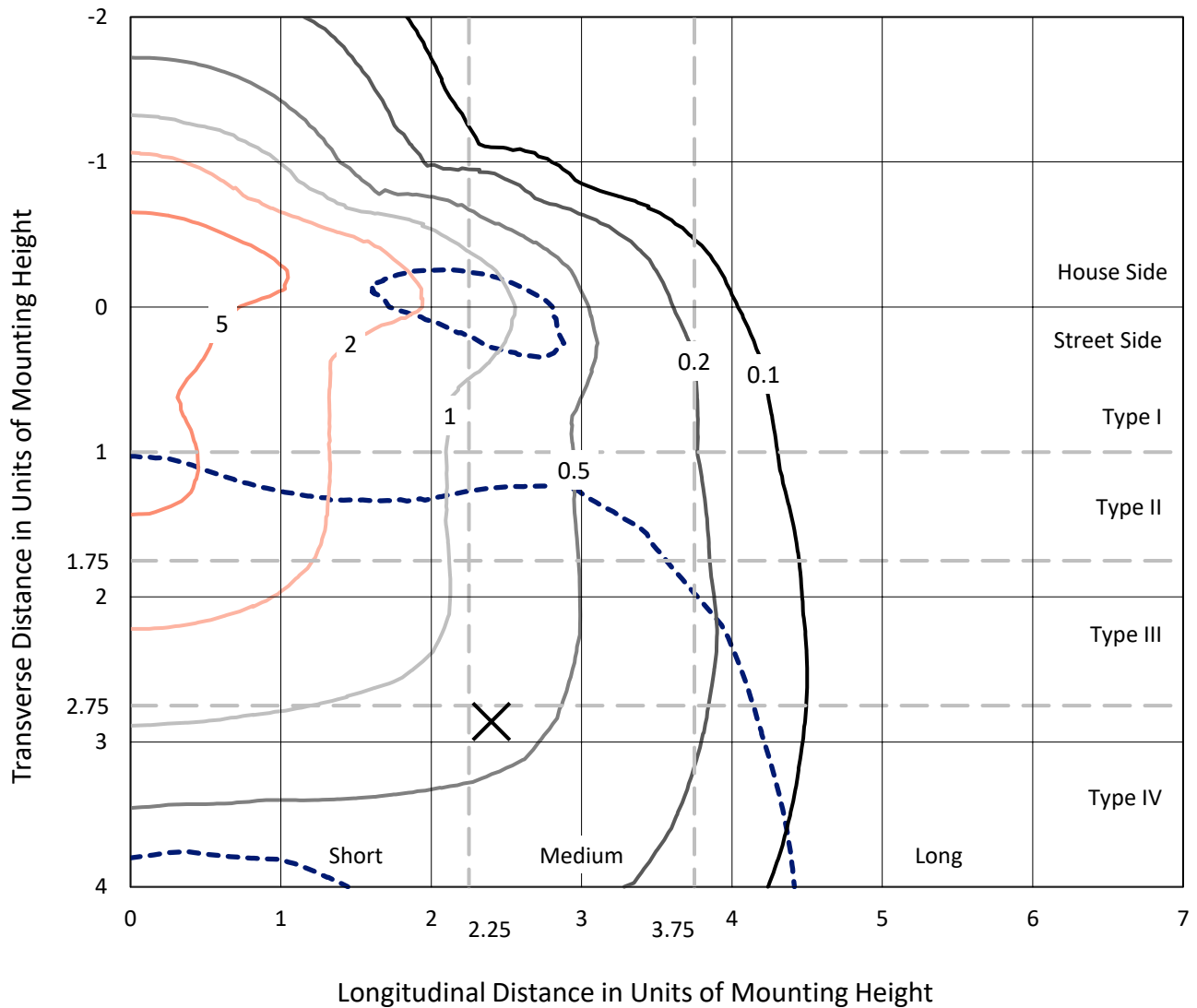
Lumens per Lamp: N/A  
Luminaire Lumens: 38257 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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: P943282  
 CATALOG NUMBER: GALN-SB7C-940-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

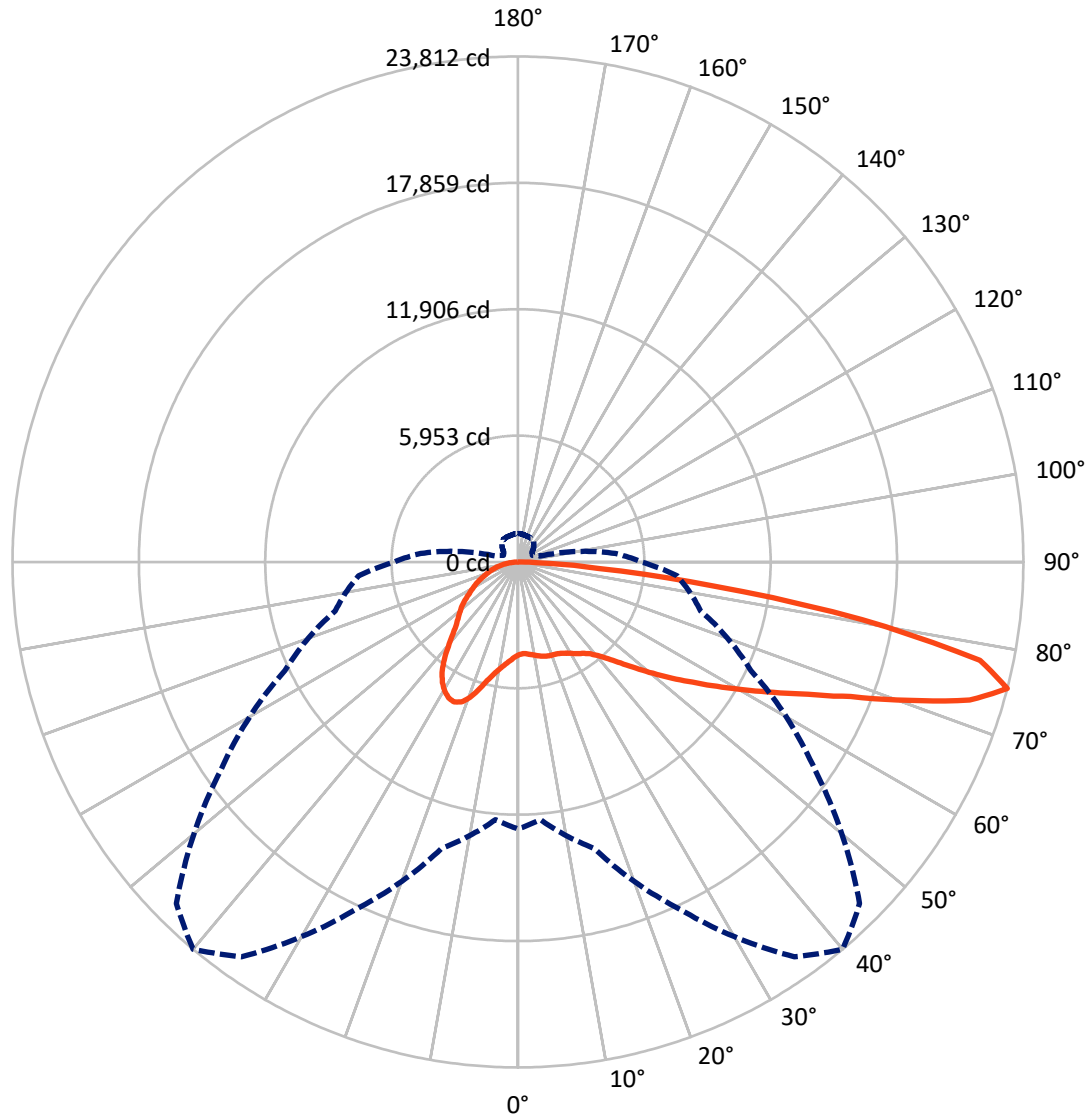
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P943282  
CATALOG NUMBER: GALN-SB7C-940-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P943282  
 CATALOG NUMBER: GALN-SB7C-940-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11853.3	0.0	11853.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	26403.7	0.0	26403.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	38257.0	0.0	38257.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.7	1.1
10°-20°	1466.1	3.8
20°-30°	2677.1	7.0
30°-40°	3796.8	9.9
40°-50°	5126.8	13.4
50°-60°	6897.0	18.0
60°-70°	8753.8	22.9
70°-80°	7944.6	20.8
80°-90°	1158.1	3.0
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°	38257.0	100.0
0°-180°	38257.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P943282

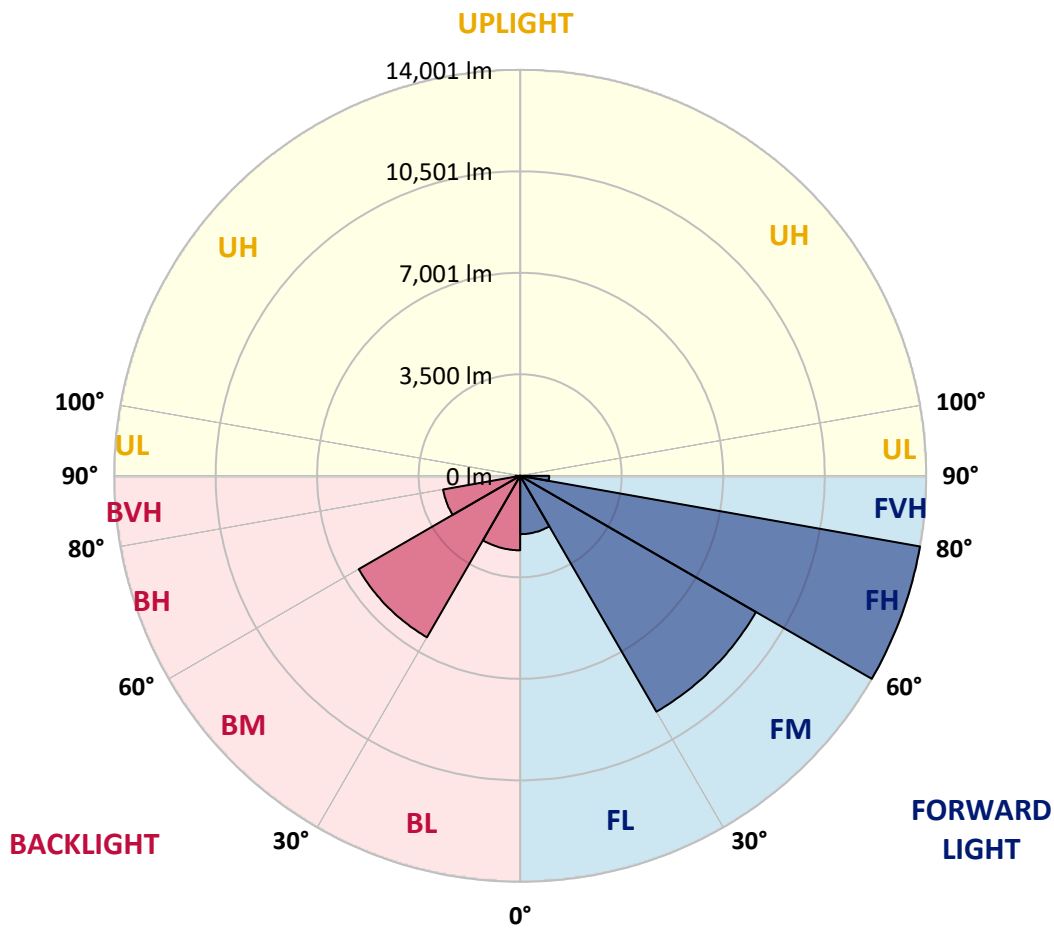
CATALOG NUMBER: GALN-SB7C-940-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2012.4	5.3			
FM (30°-60°)	9391.2	24.5			
FH (60°-80°)	14001.5	36.6			G5
FVH (80°-90°)	998.6	2.6			G5
BL (0°-30°)	2567.5	6.7	B4/5000		
BM (30°-60°)	6429.3	16.8	B4/8500		
BH (60°-80°)	2697.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	159.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Medium



REPORT NUMBER: P943282

CATALOG NUMBER: GALN-SB7C-940-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7
2.5°	4307.8	4332.1	4326.0	4317.9	4317.9	4320.0	4317.9	4332.1	4346.3	4360.5
5°	4352.4	4376.8	4364.6	4354.4	4346.3	4344.3	4338.2	4336.2	4344.3	4362.6
7.5°	4439.7	4464.0	4445.8	4427.5	4411.3	4403.1	4395.0	4382.9	4376.8	4386.9
10°	4537.1	4561.4	4539.1	4506.6	4480.3	4470.1	4462.0	4449.8	4441.7	4447.8
12.5°	4634.5	4658.8	4628.4	4583.7	4549.2	4543.2	4533.0	4529.0	4526.9	4524.9
15°	4725.8	4746.1	4707.5	4654.8	4618.2	4608.1	4597.9	4604.0	4614.2	4626.3
17.5°	4796.8	4817.1	4760.3	4691.3	4656.8	4652.7	4646.6	4666.9	4695.3	4725.8
20°	4861.7	4882.0	4809.0	4715.6	4675.0	4675.0	4677.1	4719.7	4760.3	4804.9
22.5°	4953.0	4969.3	4880.0	4752.2	4693.3	4697.4	4713.6	4756.2	4806.9	4867.8
25°	5089.0	5101.2	4991.6	4821.1	4754.2	4766.4	4780.6	4800.8	4849.5	4920.6
27.5°	5308.1	5318.3	5174.2	4942.9	4841.4	4861.7	4882.0	4867.8	4890.1	4951.0
30°	5616.5	5622.6	5440.0	5133.6	4989.6	4999.7	5003.8	4944.9	4902.3	4951.0
32.5°	5981.8	5979.8	5762.6	5364.9	5158.0	5147.8	5113.3	4997.7	4898.2	4940.9
35°	6547.9	6525.6	6245.6	5689.6	5348.7	5285.8	5204.6	5056.5	4918.5	4930.7
37.5°	7485.3	7416.4	7028.8	6221.2	5632.8	5472.5	5352.8	5151.9	4963.2	4926.7
40°	8542.5	8455.3	8029.1	6949.7	6058.9	5801.2	5608.4	5287.8	5036.2	4944.9
42.5°	9796.5	9672.7	9214.1	7808.0	6598.6	6225.3	5935.1	5460.3	5143.8	5003.8
45°	11336.6	11172.2	10522.9	8775.9	7278.4	6781.3	6393.7	5722.1	5308.1	5117.4
47.5°	12892.9	12933.5	12010.2	9883.7	8094.1	7467.1	6967.9	6115.7	5547.6	5300.0
50°	14546.6	14575.0	13489.5	11111.3	9019.3	8242.2	7613.2	6556.0	5880.3	5559.7
52.5°	15837.1	15841.2	14832.7	12395.8	9983.2	9094.4	8309.2	7059.2	6265.9	5904.7
55°	16644.7	16634.6	15774.2	13611.2	11091.1	9989.3	9080.2	7631.4	6736.6	6310.5
57.5°	17231.1	17200.7	16423.5	14656.2	12272.0	11046.4	9952.7	8280.8	7292.6	6793.4
60°	17454.3	17436.1	16863.8	15559.1	13513.8	12215.2	10959.2	9007.2	7923.6	7363.6
62.5°	17539.5	17574.0	17296.0	16433.7	14842.9	13509.7	12065.0	9875.6	8633.8	8008.9
65°	17839.8	17902.7	17845.9	17578.1	16344.4	15025.5	13532.1	10908.4	9408.9	8700.8
67.5°	18434.4	18497.3	18521.6	18947.7	18178.7	16914.6	15362.3	12194.9	10315.9	9419.1
70°	18420.2	18401.9	18832.1	20037.4	20475.6	19530.1	17829.7	13777.6	11397.5	10015.6
72.5°	16766.5	16620.4	17636.9	20025.2	22387.1	22261.3	20842.9	15818.9	12330.8	10088.7
75°	12578.4	12188.8	13984.6	18046.8	22705.6	23811.5	22758.4	17085.0	12109.7	8913.8
77.5°	5379.1	4987.5	7103.9	13359.6	20321.4	22259.2	21001.2	14905.8	9666.6	5894.5
80°	1408.2	1406.2	2146.8	6056.9	13820.2	16437.7	14420.8	9626.0	5523.2	2106.2
82.5°	582.4	568.1	789.3	2355.8	6752.8	9224.3	7528.0	4293.6	1994.6	570.2
85°	217.1	215.1	383.5	813.7	2382.2	3804.6	2753.5	1097.7	497.1	278.0
87.5°	60.9	58.8	83.2	282.0	580.3	880.6	470.8	180.6	140.0	109.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943282  
 CATALOG NUMBER: GALN-SB7C-940-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4374.7	0°	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7	4374.7
4382.9	2.5°	4388.9	4399.1	4417.4	4431.6	4449.8	4470.1	4498.5	4516.8	4535.0	4547.2
4393.0	5°	4407.2	4429.5	4476.2	4522.9	4577.6	4628.4	4687.2	4729.8	4764.3	4774.5
4429.5	7.5°	4447.8	4484.3	4563.4	4642.6	4729.8	4813.0	4898.2	4971.3	5030.1	5052.5
4494.5	10°	4518.8	4567.5	4679.1	4790.7	4906.4	5034.2	5143.8	5249.3	5332.5	5367.0
4571.6	12.5°	4608.1	4669.0	4815.1	4969.3	5129.6	5306.1	5448.1	5578.0	5681.5	5728.1
4679.1	15°	4723.7	4802.9	4989.6	5196.5	5431.9	5677.4	5858.0	6002.1	6117.7	6174.6
4790.7	17.5°	4849.5	4955.1	5190.4	5502.9	5839.7	6162.4	6373.4	6478.9	6598.6	6653.4
4894.2	20°	4971.3	5101.2	5438.0	5892.5	6340.9	6683.9	6854.3	6882.7	6890.8	6896.9
4991.6	22.5°	5097.1	5271.6	5748.4	6383.5	6864.4	7101.8	7126.2	7004.5	6834.0	6754.9
5087.0	25°	5235.1	5466.4	6154.3	6925.3	7314.9	7343.3	7156.6	6860.4	6537.8	6389.6
5164.1	27.5°	5369.0	5691.6	6641.2	7442.7	7639.6	7390.0	6988.2	6568.2	6178.6	6022.4
5218.8	30°	5502.9	5949.3	7179.0	7895.2	7787.7	7274.3	6722.4	6253.7	5862.1	5697.7
5267.5	32.5°	5638.9	6249.6	7797.8	8221.9	7761.3	7028.8	6391.7	5900.6	5555.7	5383.2
5310.2	35°	5793.1	6618.9	8384.2	8400.5	7584.8	6667.6	5955.4	5478.6	5178.3	5040.3
5360.9	37.5°	5994.0	7087.6	8901.7	8445.1	7276.4	6138.0	5413.6	4979.4	4731.9	4669.0
5436.0	40°	6243.5	7651.7	9297.3	8374.1	6819.8	5494.8	4821.1	4474.2	4334.2	4348.4
5537.4	42.5°	6568.2	8282.8	9575.3	8191.5	6184.7	4831.3	4301.7	4147.5	4214.4	4271.3
5689.6	45°	6990.2	8938.2	9747.8	7881.0	5466.4	4269.2	3995.3	4031.8	4082.5	4088.6
5935.1	47.5°	7530.0	9601.7	9861.4	7412.3	4733.9	3873.6	3800.5	3808.6	3798.5	3755.9
6302.4	50°	8203.7	10247.0	9962.9	6791.4	4111.0	3626.0	3528.6	3500.2	3360.2	3222.2
6791.4	52.5°	8970.6	10839.5	10005.5	6020.3	3626.0	3419.0	3260.8	3082.2	2820.4	2777.8
7406.2	55°	9822.9	11387.3	9895.9	5072.7	3218.2	3153.2	2913.8	2698.7	2670.3	2633.8
8215.8	57.5°	10841.5	11977.8	9672.7	4015.6	2800.2	2842.8	2609.4	2633.8	2583.0	2526.2
9256.8	60°	11955.5	12588.5	9281.1	3051.8	2368.0	2455.2	2530.3	2528.3	2514.1	2467.4
10354.5	62.5°	12957.8	12990.3	8510.0	2337.5	1988.5	2154.9	2359.8	2357.8	2345.6	2319.3
11500.9	65°	13554.4	12929.4	7223.6	1840.4	1676.0	1907.4	2128.5	2144.8	2146.8	2144.8
12363.3	67.5°	13448.9	12217.2	5458.3	1465.0	1418.3	1655.7	1899.2	1921.6	1937.8	1941.8
12472.9	70°	12255.8	10652.8	3559.0	1168.8	1189.1	1434.6	1682.1	1704.4	1718.6	1734.9
10823.2	72.5°	9553.0	7832.3	2037.2	945.6	988.2	1243.8	1467.0	1493.4	1501.5	1532.0
7532.0	75°	5821.5	4606.1	1099.8	744.7	811.6	1063.2	1254.0	1284.4	1298.6	1335.1
3699.0	77.5°	2767.7	1994.6	627.0	580.3	653.4	868.5	1059.2	1093.7	1055.1	1075.4
1020.6	80°	935.4	740.6	395.7	442.3	499.2	677.7	848.2	882.7	801.5	797.4
338.9	82.5°	326.7	300.3	251.6	294.2	322.6	485.0	641.2	685.8	596.6	594.5
152.2	85°	127.8	121.7	140.0	160.3	192.8	298.3	422.1	444.4	367.3	296.2
44.6	87.5°	26.4	28.4	34.5	36.5	58.8	103.5	152.2	186.7	148.1	125.8
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°  
4374.7  
4539.1  
4778.5  
5054.5  
5369.0  
5728.1  
6170.5  
6651.4  
6913.1  
6777.2  
6412.0  
6040.6  
5716.0  
5405.5  
5070.7  
4713.6  
4397.1  
4324.0  
4129.2  
3788.3  
3240.5  
2792.0  
2639.9  
2516.1  
2451.2  
2309.1  
2144.8  
1945.9  
1743.0  
1544.1  
1339.2  
1059.2  
789.3  
566.1  
292.2  
115.7  
0.0

F REPORT)