

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: P957236

Luminaire Tested: **GALN-SB9C-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42078 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

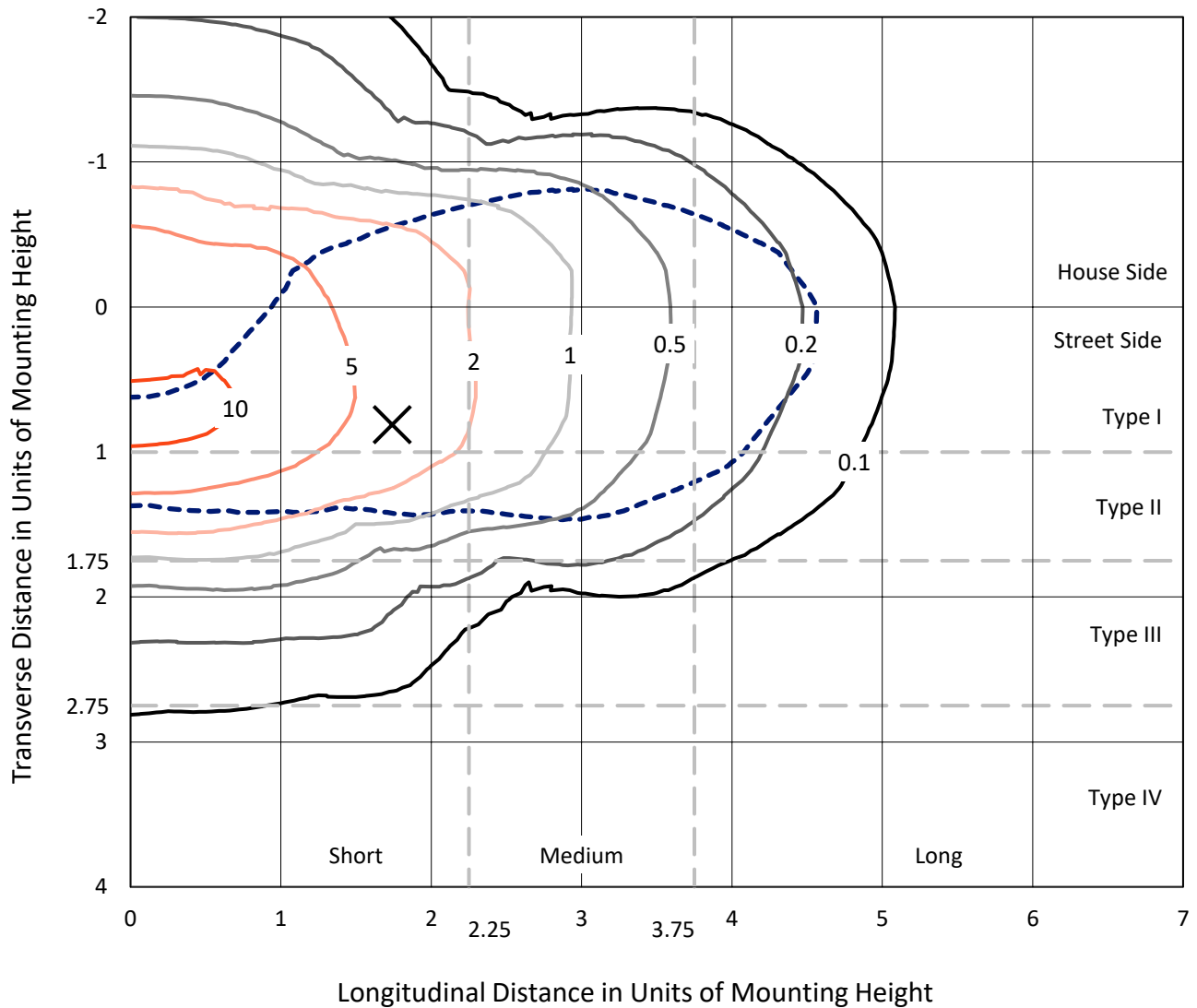
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957236
 CATALOG NUMBER: GALN-SB9C-927-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

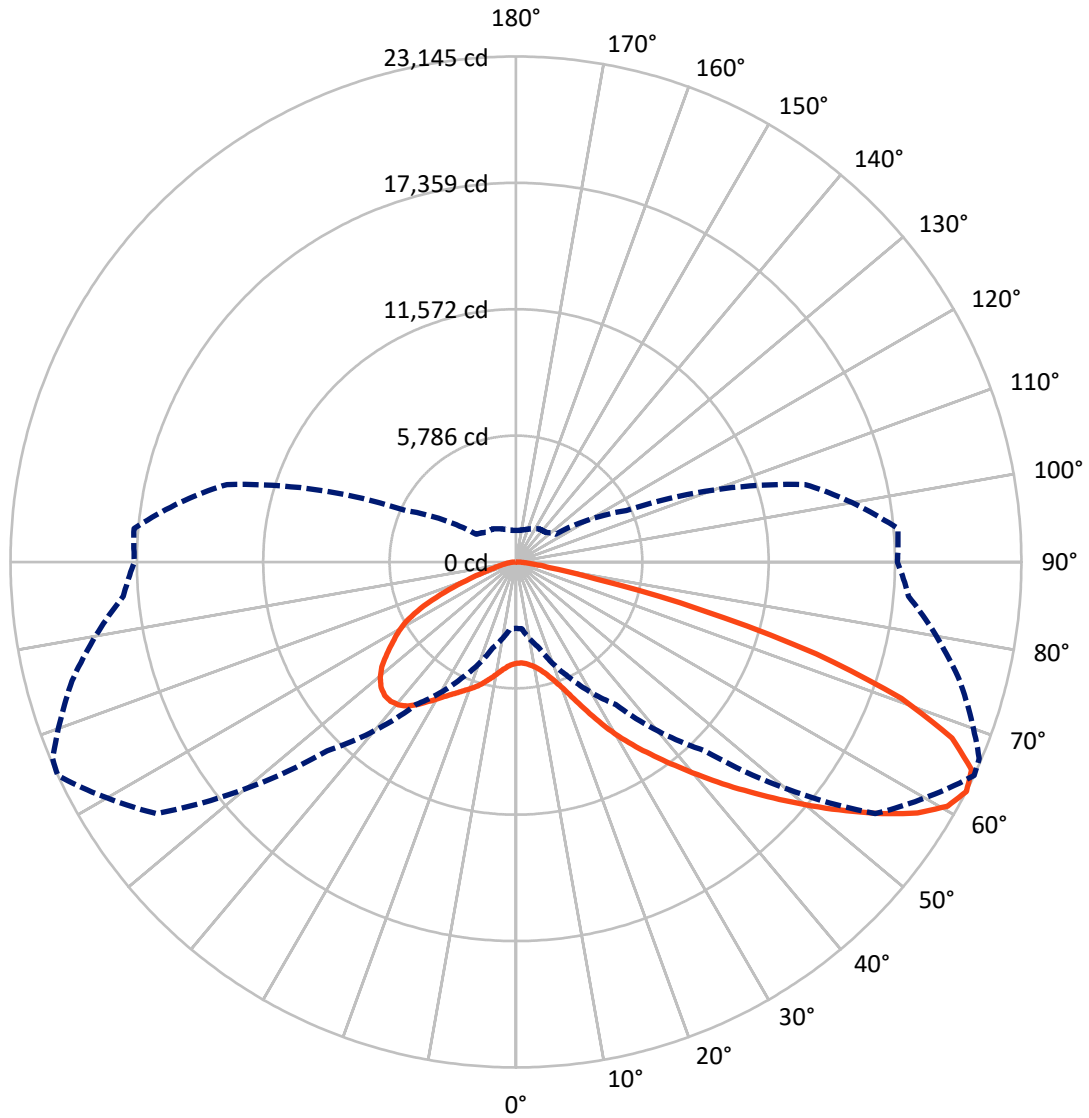
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

REPORT NUMBER: P957236
CATALOG NUMBER: GALN-SB9C-927-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P957236
 CATALOG NUMBER: GALN-SB9C-927-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13278.0	0.0	13278.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	28800.0	0.0	28800.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	42078.0	0.0	42078.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.3	1.1
10°-20°	1567.6	3.7
20°-30°	3178.6	7.6
30°-40°	5500.5	13.1
40°-50°	8323.9	19.8
50°-60°	9759.3	23.2
60°-70°	8182.0	19.4
70°-80°	4517.1	10.7
80°-90°	586.8	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°	42078.0	100.0
0°-180°	42078.0	100.0



REPORT NUMBER: P957236

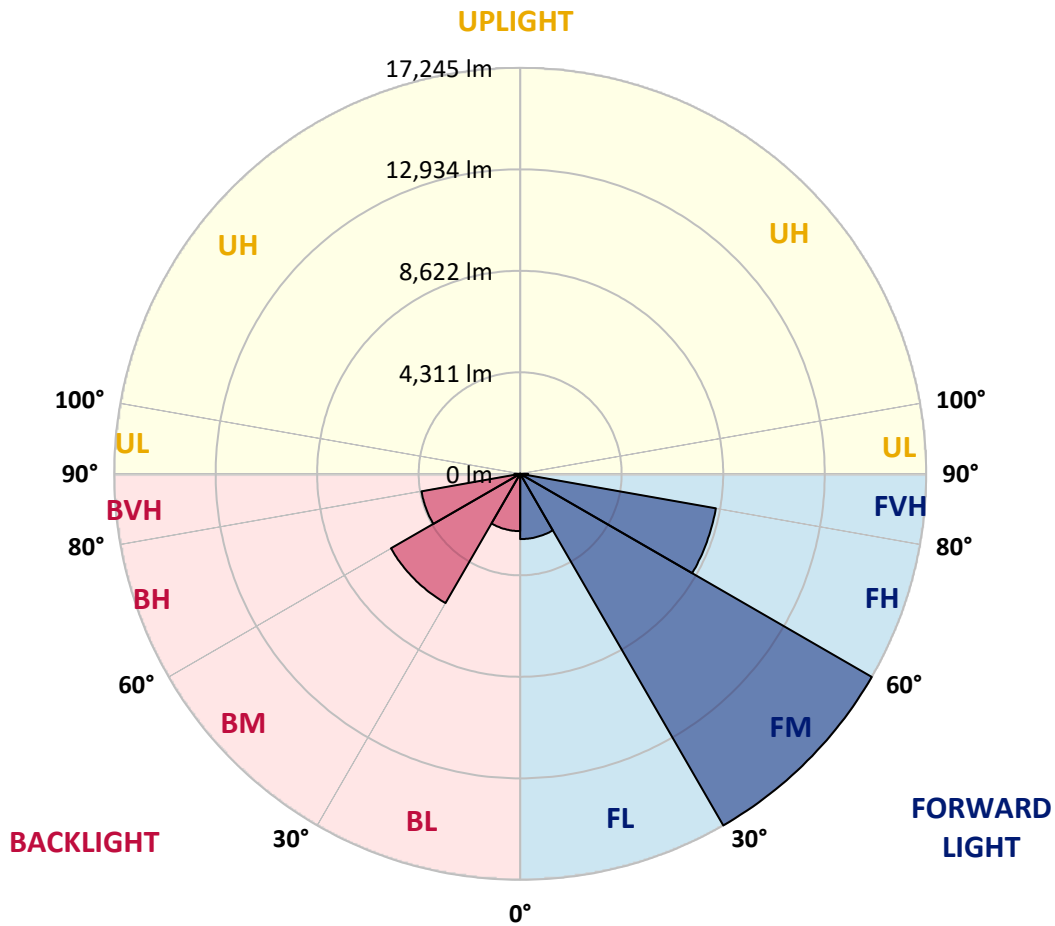
CATALOG NUMBER: GALN-SB9C-927-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2773.5	6.6			
FM (30°-60°)	17244.9	41.0			
FH (60°-80°)	8439.6	20.1			G4/12000
FVH (80°-90°)	342.0	0.8			G3/500
BL (0°-30°)	2435.0	5.8	B3/2500		
BM (30°-60°)	6338.7	15.1	B4/8500		
BH (60°-80°)	4259.5	10.1	B4/5000		G4/5000
BVH (80°-90°)	244.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P957236
 CATALOG NUMBER: GALN-SB9C-927-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8
2.5°	4606.3	4593.2	4604.1	4604.1	4608.4	4606.3	4621.5	4625.9	4632.4	4645.5
5°	4560.4	4558.2	4577.9	4595.3	4612.8	4628.1	4647.7	4676.1	4680.5	4695.8
7.5°	4545.1	4532.0	4562.6	4584.4	4625.9	4663.0	4715.4	4763.4	4783.1	4789.6
10°	4663.0	4641.2	4669.6	4682.7	4717.6	4754.7	4815.8	4892.2	4914.1	4940.3
12.5°	4863.9	4839.8	4881.3	4901.0	4933.7	4966.5	5007.9	5082.2	5093.1	5141.1
15°	5138.9	5110.5	5136.7	5160.7	5215.3	5245.9	5287.4	5359.4	5359.4	5396.5
17.5°	5512.2	5475.1	5494.8	5503.5	5538.4	5584.3	5654.1	5717.4	5750.2	5737.1
20°	6068.9	6023.1	6023.1	5979.4	5966.3	6003.4	6095.1	6182.4	6217.3	6149.7
22.5°	6905.0	6839.5	6802.4	6654.0	6595.0	6599.4	6691.1	6798.0	6826.4	6706.4
25°	7968.2	7865.6	7815.3	7597.0	7463.9	7348.2	7420.2	7557.7	7597.0	7448.6
27.5°	9031.3	9037.9	8989.8	8727.9	8507.4	8295.6	8258.5	8402.6	8444.1	8276.0
30°	10522.3	10367.3	10275.6	9961.3	9646.9	9350.0	9197.2	9256.2	9267.1	9066.2
32.5°	11808.2	11768.9	11572.4	11297.3	10893.5	10428.5	10173.0	10079.2	10061.7	9775.7
35°	13273.0	13251.2	13043.8	12716.3	12279.7	11633.5	11172.9	10904.4	10882.5	10480.9
37.5°	14761.8	14761.8	14558.8	14200.8	13748.9	12941.2	12240.4	11814.7	11744.8	11220.9
40°	15949.4	15877.4	15914.5	15763.9	15246.5	14388.5	13425.8	12808.0	12714.1	12085.4
42.5°	16624.0	16600.0	16822.6	16990.7	16779.0	16093.5	14731.3	13884.2	13753.3	13037.2
45°	16774.6	16748.4	17145.7	17761.4	18058.2	17776.6	16150.3	15017.2	14857.9	14032.7
47.5°	16427.5	16375.1	16958.0	17929.4	18881.3	19376.8	17687.1	16246.3	16014.9	15002.0
50°	15384.0	15333.8	16215.7	17505.9	19158.5	20464.0	19355.0	17549.6	17195.9	16041.1
52.5°	13115.8	13139.8	14521.7	16294.3	18793.9	21140.7	20791.4	18922.7	18497.0	17104.3
55°	10216.7	10269.1	11967.5	13919.2	17335.7	21038.1	21771.6	20337.4	19913.8	18104.1
57.5°	7315.4	7546.8	9138.3	11070.3	14534.8	19411.7	21985.6	21682.1	21271.7	19195.6
60°	4741.6	4783.1	6420.4	8367.7	11068.1	16521.4	21551.1	22701.6	22380.7	20309.0
62.5°	3038.8	3067.2	4064.9	5852.8	7966.0	12222.9	20088.5	23144.8	23046.5	21044.7
65°	2233.3	2211.4	2731.0	3868.4	5366.0	7538.1	17248.3	22930.8	23125.1	21505.3
67.5°	1864.3	1833.8	2089.2	2678.6	3953.5	4281.0	12762.2	21540.2	22251.9	21452.9
70°	1698.4	1672.2	1827.2	1988.8	3084.7	2866.4	6433.5	18726.3	19822.2	20856.9
72.5°	1438.6	1392.8	1604.5	1766.1	2399.2	2198.3	2659.0	14384.2	15720.2	18946.8
75°	1115.5	1085.0	1266.2	1554.3	1803.2	1715.9	1681.0	8734.4	10192.7	14652.7
77.5°	884.1	842.7	1008.6	1211.6	1622.0	1294.6	1224.7	3761.4	5206.6	9354.4
80°	665.8	628.7	766.3	958.4	1246.5	975.8	792.4	1534.7	1962.6	4739.4
82.5°	473.7	441.0	534.8	702.9	838.3	875.4	486.8	860.1	967.1	1827.2
85°	303.4	283.8	358.0	441.0	532.7	563.2	296.9	449.7	493.4	753.2
87.5°	165.9	135.3	192.1	205.2	246.7	224.9	141.9	163.7	176.8	272.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957236
 CATALOG NUMBER: GALN-SB9C-927-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4636.8	0°	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8	4636.8
4645.5	2.5°	4654.3	4660.8	4682.7	4689.2	4704.5	4724.1	4737.2	4750.3	4750.3	4763.4
4715.4	5°	4717.6	4732.9	4778.7	4802.7	4842.0	4881.3	4905.3	4933.7	4951.2	4959.9
4826.7	7.5°	4839.8	4863.9	4929.3	4970.8	5038.5	5093.1	5130.2	5169.5	5178.2	5202.2
4981.7	10°	5005.7	5034.1	5108.4	5186.9	5267.7	5335.4	5370.3	5398.7	5409.6	5414.0
5180.4	12.5°	5195.7	5237.2	5333.2	5429.3	5514.4	5573.3	5582.1	5575.5	5545.0	5518.8
5424.9	15°	5429.3	5466.4	5573.3	5678.1	5761.1	5772.0	5717.4	5682.5	5645.4	5638.8
5697.8	17.5°	5708.7	5728.3	5826.6	5929.2	5935.7	5898.6	5817.8	5785.1	5750.2	5726.2
6053.6	20°	6034.0	6027.4	6097.3	6140.9	6095.1	5981.6	5859.3	5804.7	5769.8	5741.4
6490.2	22.5°	6422.6	6372.3	6363.6	6352.7	6230.4	5992.5	5826.6	5756.7	5702.1	5662.8
7099.3	25°	6988.0	6795.9	6662.7	6588.5	6313.4	5933.5	5721.8	5566.8	5464.2	5396.5
7843.7	27.5°	7695.3	7372.2	7036.0	6854.8	6313.4	5813.5	5468.6	5217.5	5049.4	4979.6
8564.1	30°	8369.8	8031.5	7535.9	7175.7	6298.1	5617.0	5060.3	4711.0	4514.6	4444.7
9179.8	32.5°	8946.2	8577.2	8066.4	7527.2	6261.0	5298.3	4553.9	4167.5	3977.5	3894.6
9788.8	35°	9481.0	9088.1	8599.1	7913.6	6162.8	4831.1	3997.2	3702.5	3490.7	3357.5
10408.8	37.5°	10029.0	9561.8	9103.3	8262.9	5985.9	4285.3	3569.3	3318.2	3069.4	2890.4
11068.1	40°	10624.9	10066.1	9642.6	8470.3	5695.6	3765.8	3237.5	3008.3	2744.1	2554.2
11827.8	42.5°	11321.3	10670.8	10242.9	8577.2	5298.3	3396.8	3021.4	2796.5	2547.6	2392.6
12642.1	45°	12048.3	11336.6	10790.9	8575.0	4855.1	3224.4	2951.5	2728.8	2453.8	2292.2
13478.2	47.5°	12810.2	12033.0	11264.6	8435.3	4470.9	3248.4	2912.2	2582.6	2279.1	2121.9
14323.0	50°	13574.2	12794.9	11723.0	8173.4	4307.2	3196.0	2765.9	2377.3	2019.3	1877.4
15115.5	52.5°	14331.8	13604.8	12118.1	7800.1	4141.3	3001.7	2578.2	2111.0	1912.4	1814.1
15934.1	55°	15093.7	14406.0	12548.2	7256.5	3726.5	2774.7	2263.8	2010.6	1827.2	1737.7
16735.3	57.5°	15857.7	15331.6	12956.4	6712.9	3204.7	2495.2	2091.4	1888.3	1742.1	1665.7
17405.5	60°	16652.4	16390.4	13377.8	6213.0	2689.5	2137.2	1964.8	1790.1	1641.7	1556.5
18049.5	62.5°	17471.0	17556.1	13707.4	5569.0	2215.8	1918.9	1851.2	1672.2	1528.1	1447.4
18582.2	65°	18296.2	18680.4	13923.5	4676.1	1796.7	1711.5	1729.0	1543.4	1397.2	1327.3
18972.9	67.5°	18918.4	19490.3	13862.4	3538.7	1473.6	1515.0	1576.2	1408.1	1270.5	1216.0
18909.6	70°	18988.2	19394.3	13259.9	2423.2	1233.4	1322.9	1405.9	1274.9	1133.0	1093.7
18019.0	72.5°	18058.2	18084.4	11581.1	1582.7	1043.5	1161.4	1226.9	1139.6	1002.0	962.7
15763.9	75°	15619.8	14956.1	8503.0	1043.5	873.2	997.7	1058.8	997.7	864.5	873.2
11795.1	77.5°	11834.4	10592.2	5162.9	742.2	729.1	838.3	921.3	877.6	764.1	857.9
5931.4	80°	6097.3	5730.5	2303.1	554.5	576.3	670.2	757.5	700.8	604.7	576.3
1325.1	82.5°	1397.2	1624.2	908.2	397.3	417.0	482.5	578.5	526.1	434.4	366.8
552.3	85°	489.0	534.8	401.7	248.9	244.5	301.3	393.0	351.5	294.7	235.8
233.6	87.5°	155.0	203.0	150.6	100.4	104.8	135.3	181.2	165.9	137.5	89.5
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>
4636.8
4763.4
4964.3
5193.5
5403.1
5518.8
5638.8
5728.3
5743.6
5675.9
5422.7
5014.5
4486.2
3936.1
3401.2
2938.4
2591.3
2423.2
2318.4
2143.8
1886.2
1814.1
1729.0
1652.6
1550.0
1445.2
1325.1
1218.1
1095.9
960.5
842.7
755.3
526.1
362.4
248.9
93.9
0.0

F REPORT)