

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: P938872

Luminaire Tested: **GALN-SB1A-950-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938872  
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-SB1A-950-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

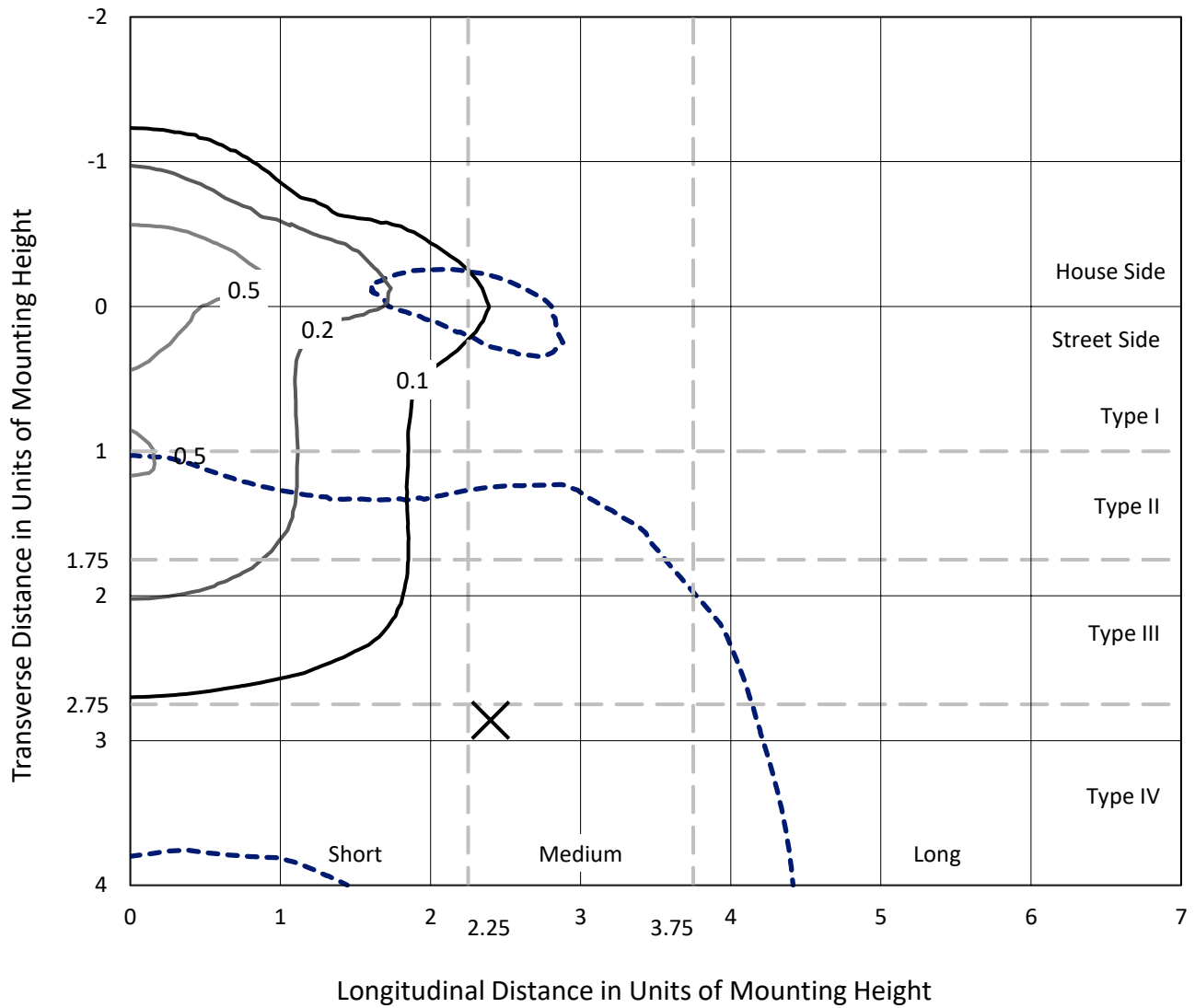
Lumens per Lamp: N/A  
Luminaire Lumens: 3094 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P938872  
 CATALOG NUMBER: GALN-SB1A-950-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

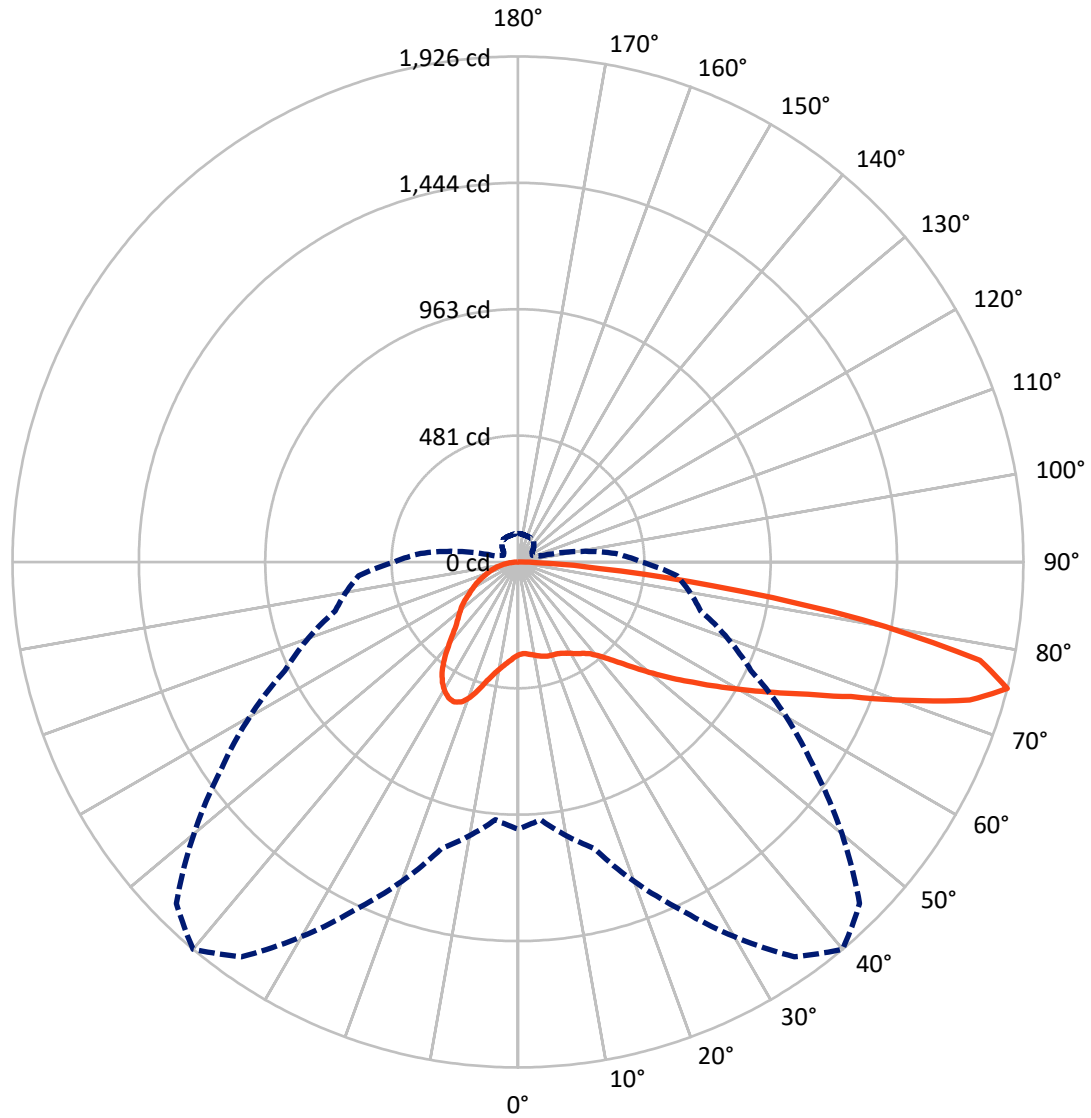
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P938872  
CATALOG NUMBER: GALN-SB1A-950-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P938872  
 CATALOG NUMBER: GALN-SB1A-950-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	958.6	0.0	958.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	2135.4	0.0	2135.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	3094.0	0.0	3094.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.3	1.1
10°-20°	118.6	3.8
20°-30°	216.5	7.0
30°-40°	307.1	9.9
40°-50°	414.6	13.4
50°-60°	557.8	18.0
60°-70°	708.0	22.9
70°-80°	642.5	20.8
80°-90°	93.7	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°	3094.0	100.0
0°-180°	3094.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P938872

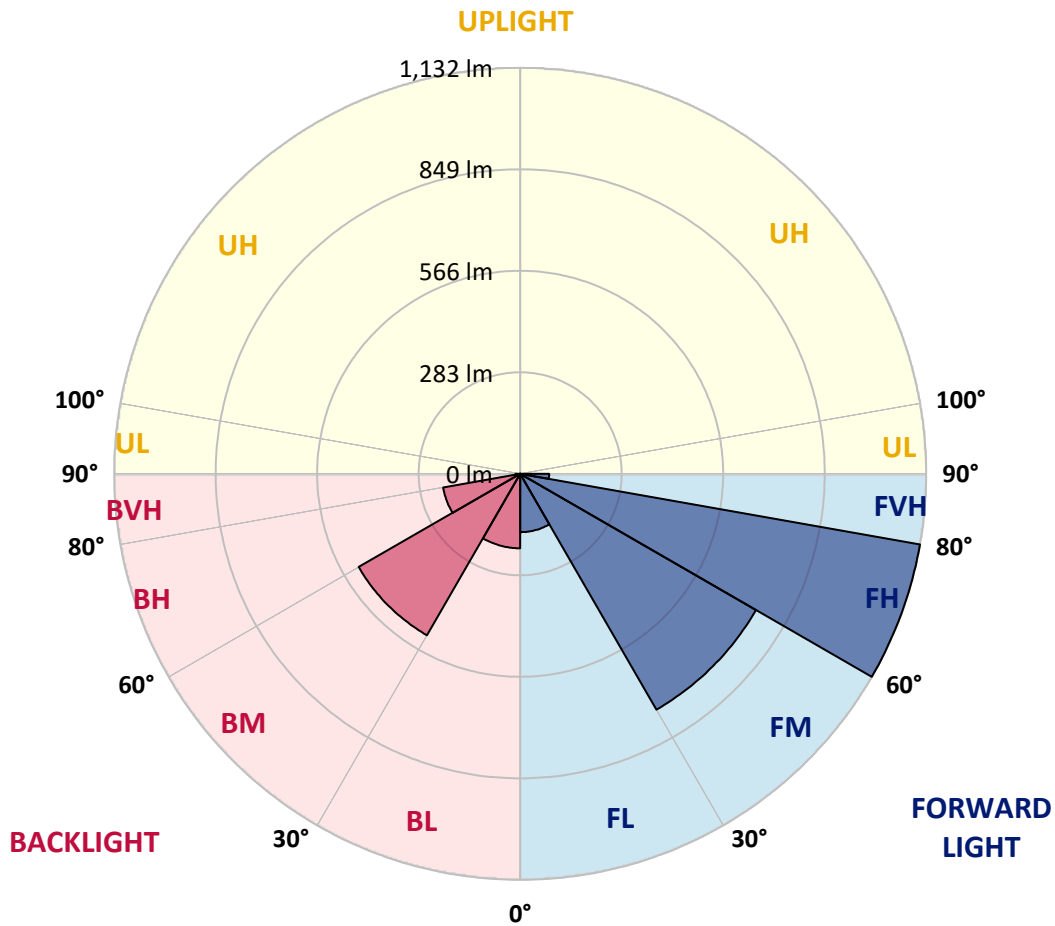
CATALOG NUMBER: GALN-SB1A-950-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.7	5.3			
FM (30°-60°)	759.5	24.5			
FH (60°-80°)	1132.4	36.6			G1/1800
FVH (80°-90°)	80.8	2.6			G1/100
BL (0°-30°)	207.6	6.7	B1/500		
BM (30°-60°)	520.0	16.8	B1/1000		
BH (60°-80°)	218.1	7.0	B1/500		G1/500
BVH (80°-90°)	12.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Medium



REPORT NUMBER: P938872  
 CATALOG NUMBER: GALN-SB1A-950-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	348.4	350.4	349.9	349.2	349.2	349.4	349.2	350.4	351.5	352.7
5°	352.0	354.0	353.0	352.2	351.5	351.3	350.8	350.7	351.3	352.8
7.5°	359.1	361.0	359.5	358.1	356.8	356.1	355.4	354.5	354.0	354.8
10°	366.9	368.9	367.1	364.5	362.3	361.5	360.9	359.9	359.2	359.7
12.5°	374.8	376.8	374.3	370.7	367.9	367.4	366.6	366.3	366.1	365.9
15°	382.2	383.8	380.7	376.4	373.5	372.7	371.9	372.3	373.2	374.2
17.5°	387.9	389.6	385.0	379.4	376.6	376.3	375.8	377.4	379.7	382.2
20°	393.2	394.8	388.9	381.4	378.1	378.1	378.3	381.7	385.0	388.6
22.5°	400.6	401.9	394.7	384.3	379.6	379.9	381.2	384.7	388.8	393.7
25°	411.6	412.6	403.7	389.9	384.5	385.5	386.6	388.3	392.2	397.9
27.5°	429.3	430.1	418.5	399.8	391.5	393.2	394.8	393.7	395.5	400.4
30°	454.2	454.7	440.0	415.2	403.5	404.3	404.7	399.9	396.5	400.4
32.5°	483.8	483.6	466.0	433.9	417.1	416.3	413.5	404.2	396.1	399.6
35°	529.6	527.8	505.1	460.1	432.6	427.5	420.9	408.9	397.8	398.8
37.5°	605.4	599.8	568.4	503.1	455.5	442.6	432.9	416.7	401.4	398.4
40°	690.9	683.8	649.3	562.0	490.0	469.2	453.6	427.6	407.3	399.9
42.5°	792.3	782.3	745.2	631.5	533.7	503.5	480.0	441.6	416.0	404.7
45°	916.8	903.5	851.0	709.7	588.6	548.4	517.1	462.8	429.3	413.9
47.5°	1042.7	1046.0	971.3	799.3	654.6	603.9	563.5	494.6	448.7	428.6
50°	1176.4	1178.7	1090.9	898.6	729.4	666.6	615.7	530.2	475.6	449.6
52.5°	1280.8	1281.1	1199.6	1002.5	807.4	735.5	672.0	570.9	506.7	477.5
55°	1346.1	1345.3	1275.7	1100.8	897.0	807.9	734.4	617.2	544.8	510.4
57.5°	1393.6	1391.1	1328.2	1185.3	992.5	893.4	804.9	669.7	589.8	549.4
60°	1411.6	1410.1	1363.8	1258.3	1092.9	987.9	886.3	728.4	640.8	595.5
62.5°	1418.5	1421.3	1398.8	1329.1	1200.4	1092.6	975.7	798.7	698.3	647.7
65°	1442.8	1447.9	1443.3	1421.6	1321.8	1215.2	1094.4	882.2	760.9	703.7
67.5°	1490.9	1496.0	1497.9	1532.4	1470.2	1368.0	1242.4	986.3	834.3	761.8
70°	1489.7	1488.2	1523.0	1620.5	1655.9	1579.5	1442.0	1114.2	921.8	810.0
72.5°	1356.0	1344.2	1426.4	1619.5	1810.5	1800.4	1685.7	1279.3	997.2	815.9
75°	1017.3	985.8	1131.0	1459.5	1836.3	1925.7	1840.6	1381.7	979.4	720.9
77.5°	435.0	403.4	574.5	1080.4	1643.5	1800.2	1698.5	1205.5	781.8	476.7
80°	113.9	113.7	173.6	489.8	1117.7	1329.4	1166.3	778.5	446.7	170.3
82.5°	47.1	45.9	63.8	190.5	546.1	746.0	608.8	347.2	161.3	46.1
85°	17.6	17.4	31.0	65.8	192.7	307.7	222.7	88.8	40.2	22.5
87.5°	4.9	4.8	6.7	22.8	46.9	71.2	38.1	14.6	11.3	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P938872  
 CATALOG NUMBER: GALN-SB1A-950-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
353.8	0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
354.5	2.5°	355.0	355.8	357.2	358.4	359.9	361.5	363.8	365.3	366.8	367.8
355.3	5°	356.4	358.2	362.0	365.8	370.2	374.3	379.1	382.5	385.3	386.1
358.2	7.5°	359.7	362.7	369.1	375.5	382.5	389.2	396.1	402.0	406.8	408.6
363.5	10°	365.5	369.4	378.4	387.4	396.8	407.1	416.0	424.5	431.3	434.0
369.7	12.5°	372.7	377.6	389.4	401.9	414.8	429.1	440.6	451.1	459.5	463.3
378.4	15°	382.0	388.4	403.5	420.3	439.3	459.2	473.8	485.4	494.8	499.4
387.4	17.5°	392.2	400.7	419.8	445.0	472.3	498.4	515.4	524.0	533.7	538.1
395.8	20°	402.0	412.6	439.8	476.6	512.8	540.6	554.3	556.6	557.3	557.8
403.7	22.5°	412.2	426.3	464.9	516.3	555.2	574.4	576.3	566.5	552.7	546.3
411.4	25°	423.4	442.1	497.7	560.1	591.6	593.9	578.8	554.8	528.7	516.8
417.6	27.5°	434.2	460.3	537.1	601.9	617.8	597.7	565.2	531.2	499.7	487.1
422.1	30°	445.0	481.1	580.6	638.5	629.8	588.3	543.7	505.8	474.1	460.8
426.0	32.5°	456.0	505.4	630.6	664.9	627.7	568.4	516.9	477.2	449.3	435.4
429.5	35°	468.5	535.3	678.1	679.4	613.4	539.2	481.6	443.1	418.8	407.6
433.6	37.5°	484.8	573.2	719.9	683.0	588.5	496.4	437.8	402.7	382.7	377.6
439.6	40°	504.9	618.8	751.9	677.2	551.5	444.4	389.9	361.8	350.5	351.7
447.8	42.5°	531.2	669.9	774.4	662.5	500.2	390.7	347.9	335.4	340.8	345.4
460.1	45°	565.3	722.9	788.3	637.4	442.1	345.3	323.1	326.1	330.2	330.7
480.0	47.5°	609.0	776.5	797.5	599.5	382.8	313.3	307.4	308.0	307.2	303.8
509.7	50°	663.5	828.7	805.7	549.2	332.5	293.2	285.4	283.1	271.8	260.6
549.2	52.5°	725.5	876.6	809.2	486.9	293.2	276.5	263.7	249.3	228.1	224.7
599.0	55°	794.4	920.9	800.3	410.3	260.3	255.0	235.6	218.3	216.0	213.0
664.4	57.5°	876.8	968.7	782.3	324.8	226.5	229.9	211.0	213.0	208.9	204.3
748.6	60°	966.9	1018.1	750.6	246.8	191.5	198.6	204.6	204.5	203.3	199.5
837.4	62.5°	1048.0	1050.6	688.2	189.0	160.8	174.3	190.9	190.7	189.7	187.6
930.1	65°	1096.2	1045.7	584.2	148.8	135.5	154.3	172.1	173.5	173.6	173.5
999.9	67.5°	1087.7	988.1	441.4	118.5	114.7	133.9	153.6	155.4	156.7	157.0
1008.7	70°	991.2	861.5	287.8	94.5	96.2	116.0	136.0	137.8	139.0	140.3
875.3	72.5°	772.6	633.4	164.8	76.5	79.9	100.6	118.6	120.8	121.4	123.9
609.1	75°	470.8	372.5	88.9	60.2	65.6	86.0	101.4	103.9	105.0	108.0
299.2	77.5°	223.8	161.3	50.7	46.9	52.8	70.2	85.7	88.5	85.3	87.0
82.5	80°	75.7	59.9	32.0	35.8	40.4	54.8	68.6	71.4	64.8	64.5
27.4	82.5°	26.4	24.3	20.3	23.8	26.1	39.2	51.9	55.5	48.2	48.1
12.3	85°	10.3	9.8	11.3	13.0	15.6	24.1	34.1	35.9	29.7	24.0
3.6	87.5°	2.1	2.3	2.8	3.0	4.8	8.4	12.3	15.1	12.0	10.2
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>
353.8
367.1
386.5
408.8
434.2
463.3
499.0
537.9
559.1
548.1
518.6
488.5
462.3
437.2
410.1
381.2
355.6
349.7
333.9
306.4
262.1
225.8
213.5
203.5
198.2
186.7
173.5
157.4
141.0
124.9
<i>108.3</i>
85.7
63.8
45.8
23.6
9.4
0.0

F REPORT)