

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: STREETWORKS

Report Number: P845816

Luminaire Tested: **GLAN-SB1A-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2863 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

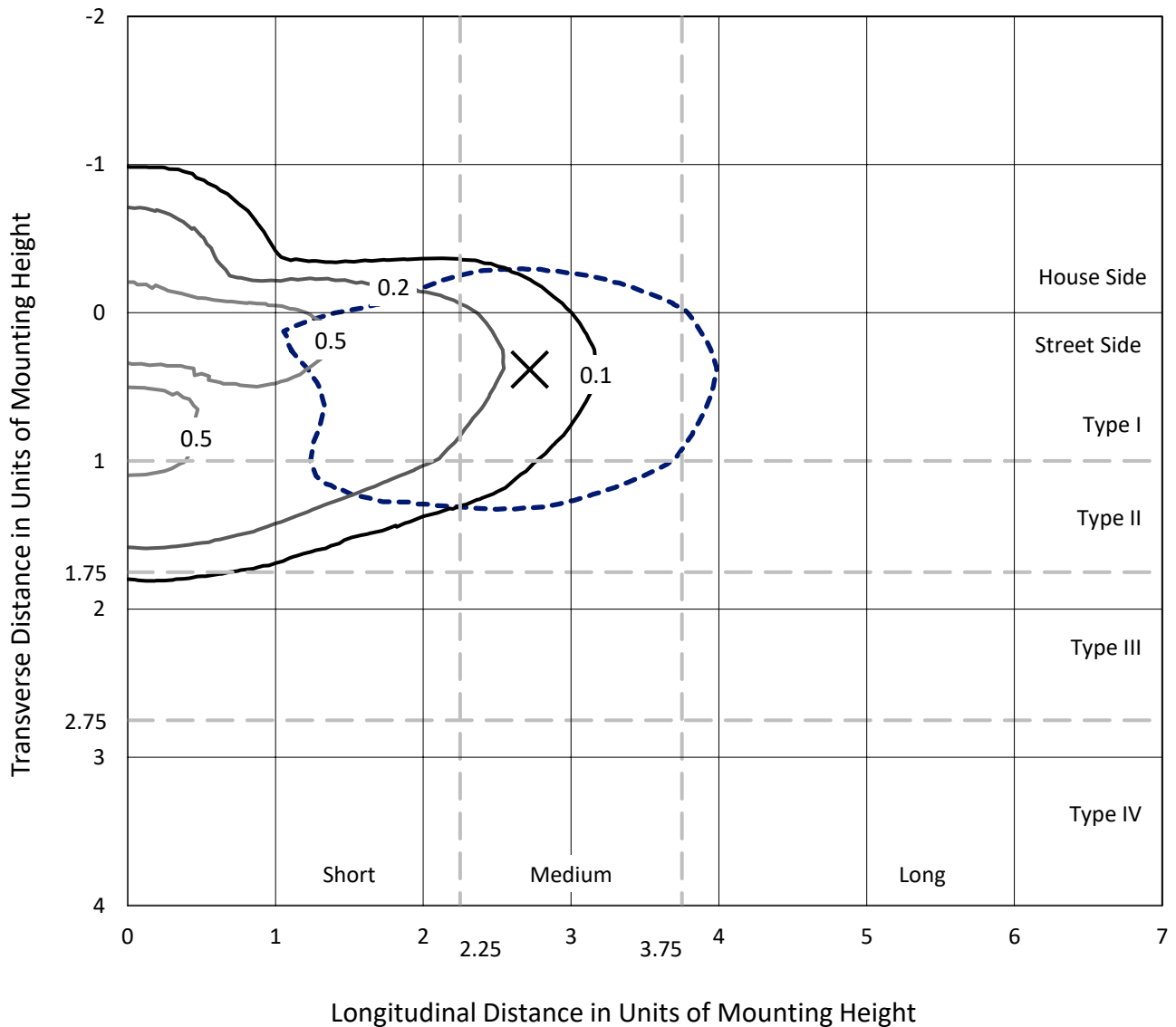
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845816
 CATALOG NUMBER: GLAN-SB1A-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

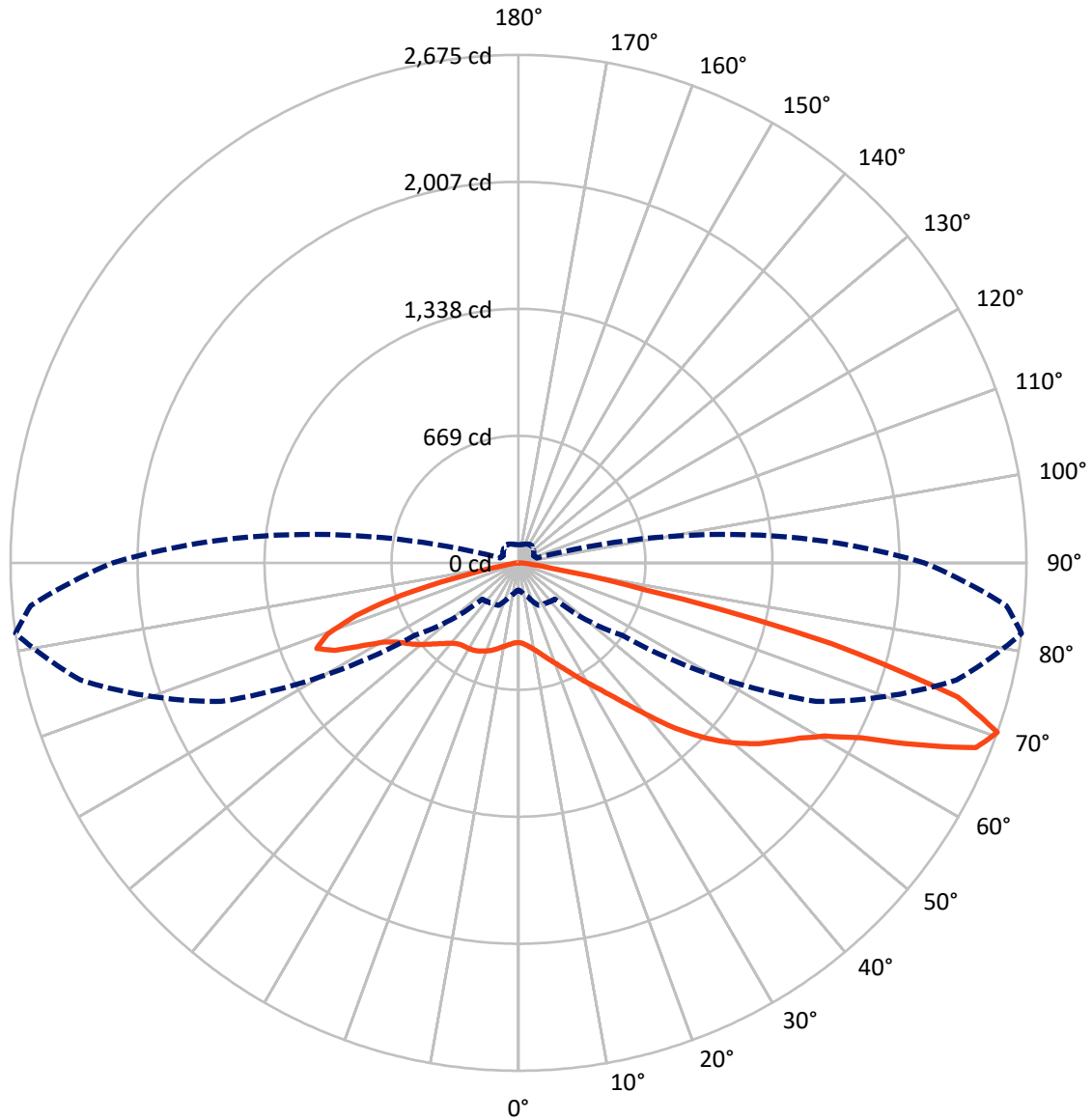
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P845816
CATALOG NUMBER: GLAN-SB1A-927-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P845816
 CATALOG NUMBER: GLAN-SB1A-927-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	705.8	0.0	705.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2157.2	0.0	2157.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	2863.0	0.0	2863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	1.4
10°-20°	113.9	4.0
20°-30°	190.5	6.7
30°-40°	297.6	10.4
40°-50°	473.9	16.6
50°-60°	659.5	23.0
60°-70°	689.9	24.1
70°-80°	360.6	12.6
80°-90°	37.4	1.3
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°	2863.0	100.0
0°-180°	2863.0	100.0

Coefficient of Utilization

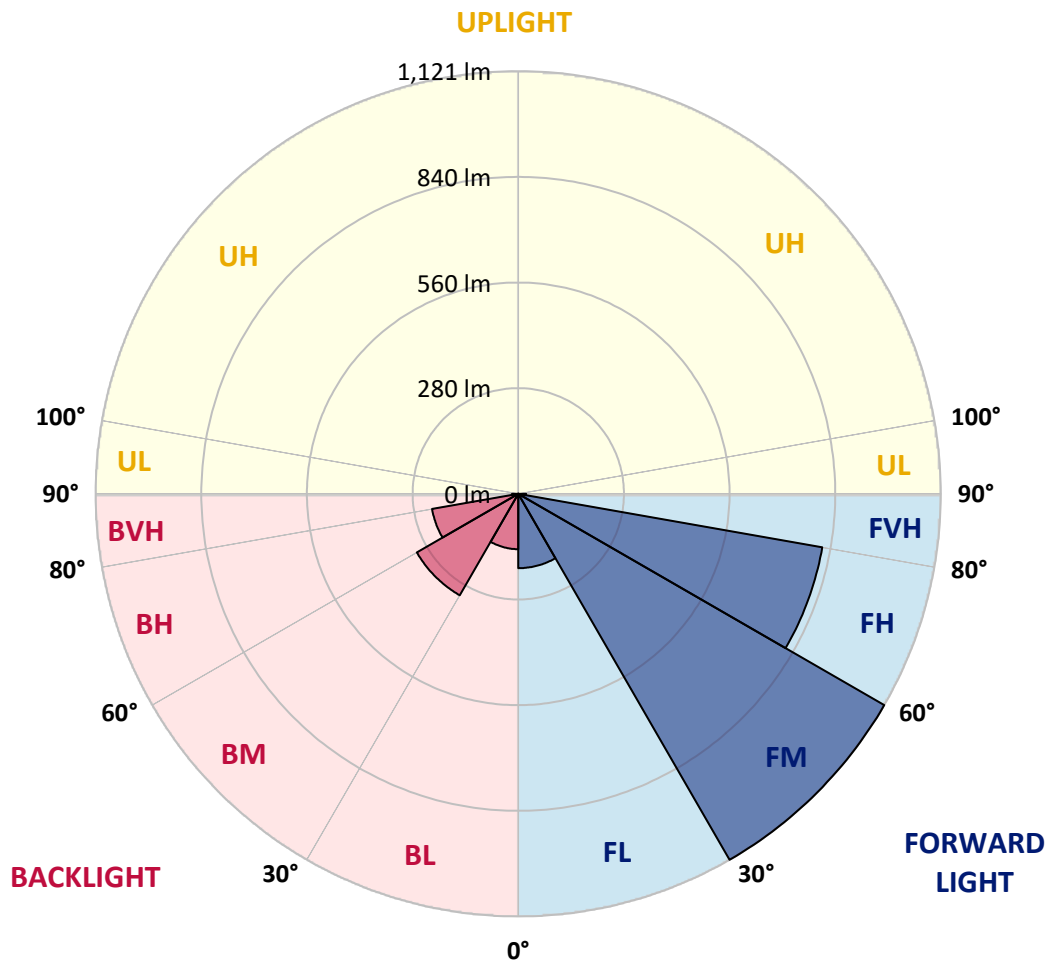


REPORT NUMBER: P845816
 CATALOG NUMBER: GLAN-SB1A-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.1	6.9			
FM (30°-60°)	1120.5	39.1			
FH (60°-80°)	818.5	28.6			G1/1800
FVH (80°-90°)	21.0	0.7			G1/100
BL (0°-30°)	146.8	5.1	B1/500		
BM (30°-60°)	310.5	10.8	B1/1000		
BH (60°-80°)	232.0	8.1	B1/500		G1/500
BVH (80°-90°)	16.5	0.6			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 II Medium



REPORT NUMBER: P845816

CATALOG NUMBER: GLAN-SB1A-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	419.8	419.8	419.8	419.8	419.8	419.8	419.8	419.8	419.8	419.8
2.5°	429.8	432.2	431.4	430.7	430.7	429.6	429.5	428.0	426.7	424.8
5°	435.2	437.8	437.5	438.1	440.1	440.6	441.0	440.1	437.7	435.2
7.5°	430.4	433.3	434.2	437.8	443.9	449.4	453.5	455.1	452.9	449.4
10°	414.0	417.2	420.4	429.0	439.8	452.7	463.7	470.2	469.7	466.4
12.5°	380.7	384.1	390.9	407.8	427.5	450.3	470.6	484.3	489.0	486.6
15°	354.1	357.0	362.2	379.5	405.2	439.8	473.2	499.8	511.8	510.4
17.5°	353.4	354.6	357.8	366.0	385.7	423.4	470.5	515.0	537.9	537.8
20°	366.7	367.2	369.0	370.7	381.9	410.9	463.5	527.6	567.3	567.3
22.5°	385.3	385.0	386.8	385.3	390.7	409.9	459.1	538.7	599.9	602.4
25°	413.1	411.5	411.1	407.6	408.7	419.8	464.0	551.3	638.7	643.7
27.5°	450.1	447.7	446.0	438.0	435.2	440.1	478.8	566.5	681.8	690.5
30°	498.4	494.0	491.6	477.6	467.8	468.5	501.3	586.7	726.9	740.9
32.5°	564.4	557.5	551.0	528.1	510.0	504.1	530.3	614.7	775.8	798.2
35°	638.2	632.7	625.8	590.4	562.6	548.9	569.5	653.7	833.1	868.5
37.5°	709.3	704.6	707.9	660.2	624.4	604.5	620.9	706.1	903.8	956.0
40°	782.8	779.2	779.6	734.1	692.3	670.0	683.2	771.9	984.7	1060.1
42.5°	862.7	860.0	850.9	810.5	763.5	742.7	754.9	847.9	1071.6	1178.6
45°	952.2	950.6	942.0	895.7	841.9	818.5	834.9	931.7	1159.0	1290.1
47.5°	1029.6	1030.9	1029.9	990.8	935.1	900.7	920.3	1019.2	1240.3	1394.9
50°	1066.8	1073.9	1084.4	1072.2	1037.6	1002.7	1006.5	1103.7	1317.7	1493.2
52.5°	1047.3	1060.8	1089.4	1108.9	1122.2	1114.9	1104.8	1187.5	1390.7	1581.9
55°	974.9	993.9	1041.3	1088.2	1156.4	1209.4	1222.8	1280.5	1461.8	1660.0
57.5°	842.8	873.7	916.2	1011.2	1126.0	1255.2	1360.4	1409.5	1537.1	1743.4
60°	616.5	657.8	710.7	852.0	1019.7	1230.7	1477.6	1607.6	1644.2	1851.4
62.5°	394.5	420.1	468.7	601.8	794.5	1105.4	1513.4	1855.2	1825.8	2028.6
65°	270.1	286.5	331.0	405.8	513.6	822.8	1417.4	2040.9	2114.1	2309.3
67.5°	196.3	208.7	246.7	312.2	334.7	486.9	1099.9	2032.4	2394.4	2598.6
70°	143.1	151.9	183.8	246.7	257.5	270.9	666.3	1727.6	2388.3	2675.4
72.5°	106.0	112.1	133.5	191.4	208.4	182.9	329.8	1255.6	2052.3	2419.9
75°	76.7	81.3	97.1	146.4	166.8	139.3	164.5	733.8	1431.5	1702.2
77.5°	58.6	62.1	72.5	107.3	133.5	104.5	102.1	337.6	678.8	682.1
80°	47.1	49.4	55.0	75.5	102.4	78.2	66.5	136.3	214.5	181.5
82.5°	34.6	38.4	46.5	53.0	73.2	53.9	40.6	68.8	81.6	70.2
85°	19.7	22.3	28.1	38.0	46.8	33.0	23.2	30.5	38.0	31.1
87.5°	7.0	9.1	9.9	14.9	20.4	13.7	9.0	8.8	12.5	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845816
 CATALOG NUMBER: GLAN-SB1A-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
419.8	0°	419.8	419.8	419.8	419.8	419.8	419.8	419.8	419.8	419.8	419.8
424.3	2.5°	422.8	422.0	419.0	414.9	410.6	406.5	405.2	402.3	400.3	399.2
434.2	5°	431.3	428.9	421.7	412.6	403.0	392.7	385.4	378.7	373.9	369.3
447.7	7.5°	443.5	439.2	426.9	410.9	393.9	376.8	364.0	354.3	347.7	343.5
463.5	10°	457.6	451.0	432.2	408.4	382.1	357.5	342.4	334.1	330.0	327.7
481.6	12.5°	473.8	464.6	437.7	402.4	364.0	335.9	325.6	323.1	323.3	323.4
504.4	15°	493.9	481.0	442.1	389.5	340.4	319.3	317.5	321.5	325.6	327.5
530.2	17.5°	516.5	498.3	442.8	368.3	317.4	308.7	314.5	323.0	329.2	331.9
559.1	20°	540.8	515.9	437.4	338.2	298.4	300.0	310.4	321.3	328.1	331.6
592.0	22.5°	568.6	534.8	424.3	306.6	282.9	290.6	302.8	313.4	320.5	324.0
630.8	25°	600.4	555.9	403.8	280.0	269.5	280.0	292.1	301.0	306.7	309.9
674.1	27.5°	635.6	577.9	376.5	258.9	257.8	269.0	279.1	285.9	288.9	291.4
720.1	30°	671.0	598.0	343.3	242.9	247.6	258.3	265.4	268.4	269.4	269.8
771.4	32.5°	709.3	615.3	308.5	229.7	237.9	247.8	252.0	253.4	249.1	246.3
833.7	35°	755.6	633.8	274.5	219.2	228.3	236.8	238.2	237.0	232.0	226.1
911.8	37.5°	812.9	656.9	247.3	211.8	219.4	225.0	223.3	223.0	223.5	216.5
1005.7	40°	883.1	687.0	227.4	206.0	212.1	213.3	208.6	211.2	213.4	202.8
1108.7	42.5°	961.0	723.3	214.8	202.1	206.0	203.1	195.8	198.7	198.4	184.4
1212.2	45°	1040.5	762.8	210.4	199.2	200.4	194.6	186.6	187.3	180.9	168.3
1311.4	47.5°	1119.5	805.2	213.1	196.7	193.4	186.9	180.6	177.3	167.9	158.5
1406.5	50°	1197.0	849.7	223.2	191.9	183.8	180.0	175.5	169.5	159.5	151.5
1496.4	52.5°	1268.8	894.5	234.4	183.8	171.8	174.1	171.2	164.4	154.5	146.3
1581.5	55°	1336.9	939.3	238.8	172.7	160.6	168.9	167.3	154.7	142.8	136.1
1670.5	57.5°	1411.0	993.2	234.0	158.6	151.5	163.0	156.6	142.7	135.8	130.8
1786.4	60°	1513.7	1077.9	223.5	141.1	142.8	154.2	143.3	137.5	130.0	124.4
1960.2	62.5°	1684.3	1235.7	206.6	123.8	132.6	141.1	136.9	131.1	123.5	118.0
2257.4	65°	1936.5	1455.1	174.9	110.3	121.2	128.4	130.0	124.3	116.4	110.6
2517.8	67.5°	2149.2	1592.7	132.3	99.1	109.5	118.0	122.8	117.1	108.8	103.2
2578.7	70°	2137.5	1492.8	101.0	88.0	99.2	107.9	113.9	109.5	100.6	95.3
2342.3	72.5°	1898.5	1248.8	81.7	76.7	88.7	97.2	104.5	101.2	92.1	86.9
1715.9	75°	1394.8	886.4	65.3	65.3	75.7	86.1	94.2	92.1	83.7	80.1
720.4	77.5°	587.9	371.9	51.2	54.2	62.9	74.0	84.0	84.8	77.5	82.0
190.5	80°	156.3	102.5	39.0	42.7	49.4	61.1	73.1	72.8	64.9	60.6
70.8	82.5°	59.6	40.4	27.8	30.1	35.7	46.8	57.9	59.7	51.8	44.8
27.8	85°	22.9	17.3	17.2	18.1	20.8	31.0	43.8	45.3	39.0	33.1
7.7	87.5°	5.9	5.2	6.4	6.1	9.6	16.6	25.1	26.0	23.9	13.8
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°
419.8
400.5
371.1
344.4
328.3
323.7
327.4
332.6
332.6
325.0
310.8
292.3
270.9
247.2
226.4
216.9
203.1
184.3
168.8
158.5
150.9
146.4
135.5
130.3
124.1
118.0
110.9
103.3
95.7
86.9
79.0
74.4
56.4
44.8
34.2
19.7
0.0

F REPORT)