

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: P939206

Luminaire Tested: **GALN-SB1C-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4258 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

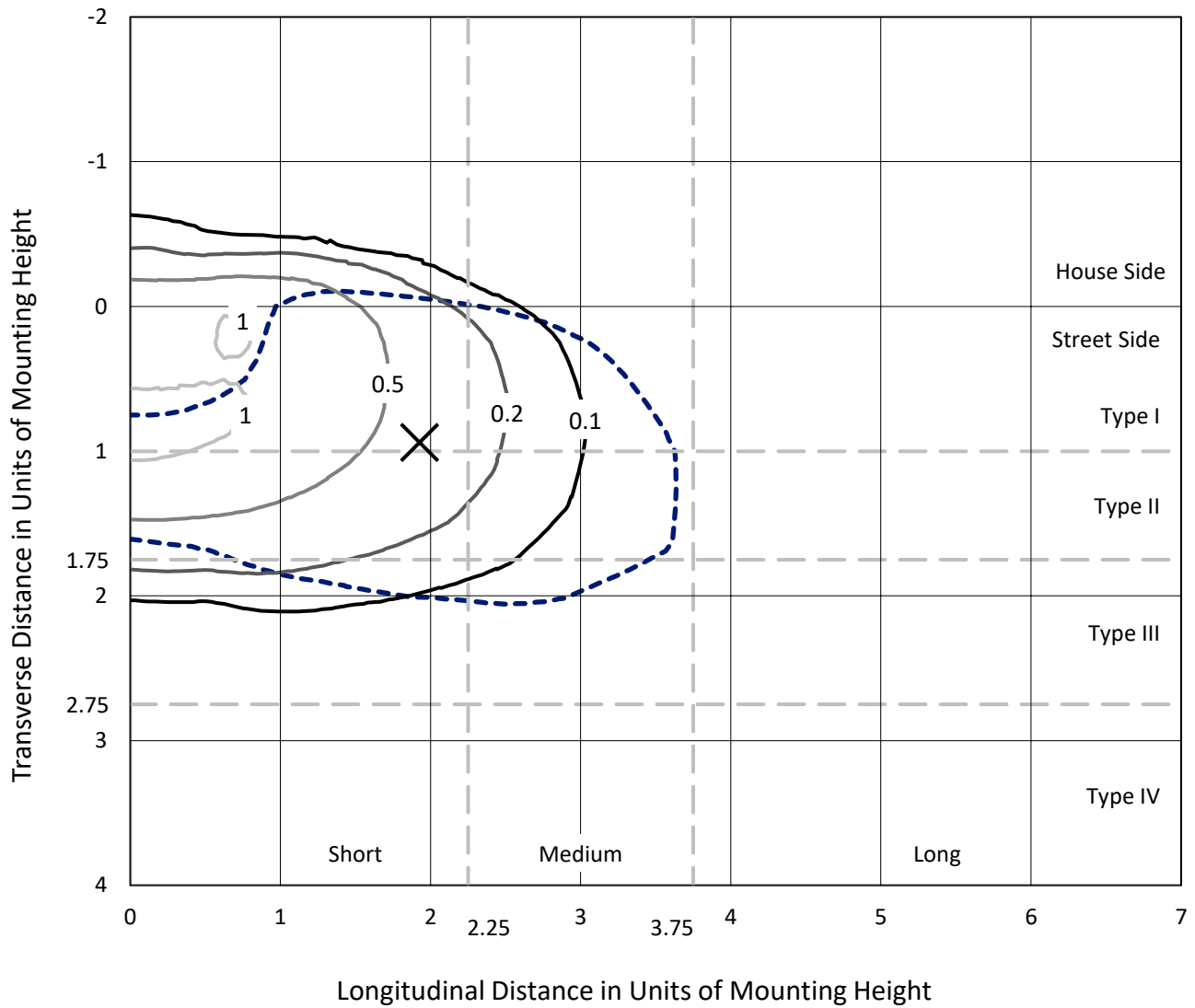
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939206
 CATALOG NUMBER: GALN-SB1C-940-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

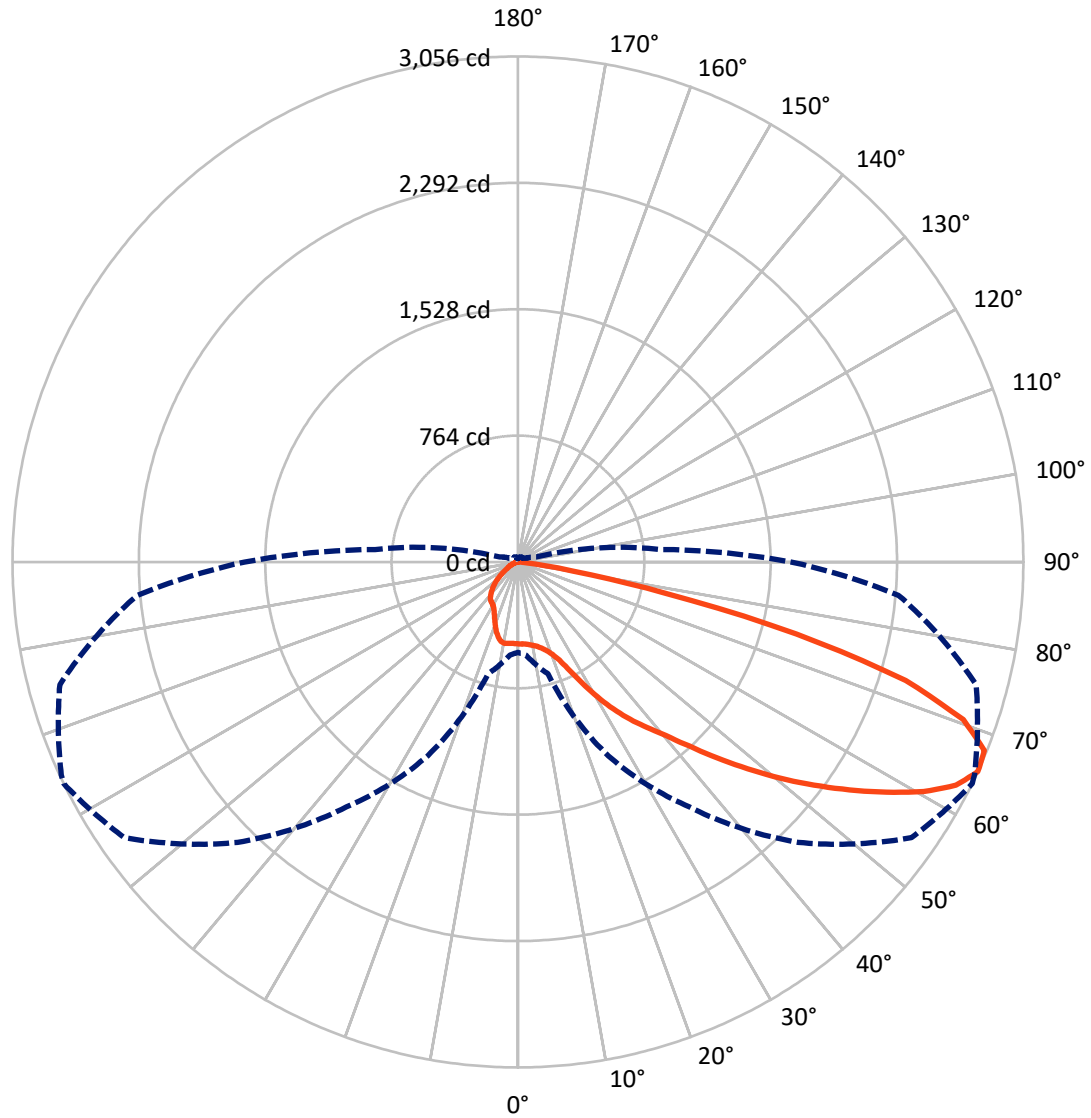
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

REPORT NUMBER: P939206
CATALOG NUMBER: GALN-SB1C-940-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P939206
 CATALOG NUMBER: GALN-SB1C-940-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	569.4	0.0	569.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3688.6	0.0	3688.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	4258.0	0.0	4258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.1
10°-20°	123.9	2.9
20°-30°	234.8	5.5
30°-40°	475.2	11.2
40°-50°	809.5	19.0
50°-60°	1100.9	25.9
60°-70°	1033.8	24.3
70°-80°	414.2	9.7
80°-90°	20.1	0.5
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°	4258.0	100.0
0°-180°	4258.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939206

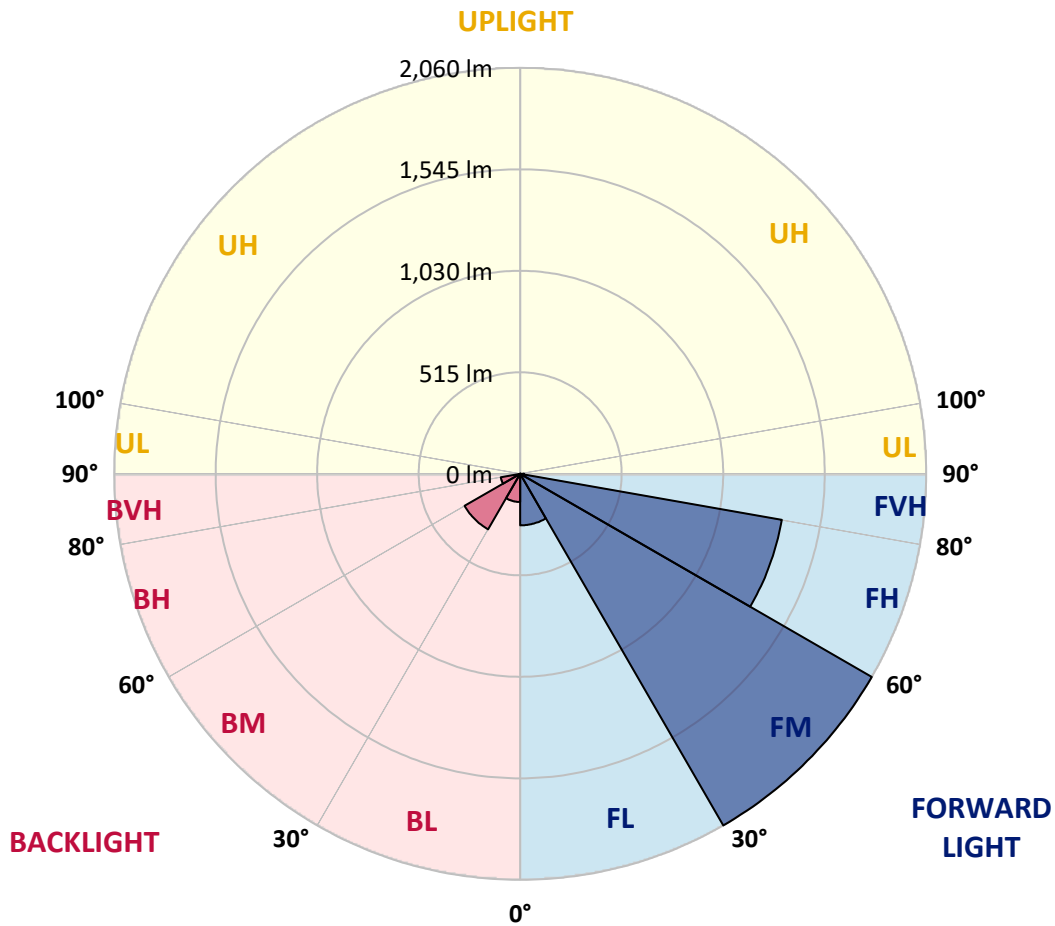
CATALOG NUMBER: GALN-SB1C-940-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.5	6.1			
FM (30°-60°)	2060.0	48.4			
FH (60°-80°)	1348.0	31.7			G1/1800
FVH (80°-90°)	19.1	0.4			G1/100
BL (0°-30°)	143.0	3.4	B1/500		
BM (30°-60°)	325.5	7.6	B1/1000		
BH (60°-80°)	99.9	2.3	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



REPORT NUMBER: P939206
 CATALOG NUMBER: GALN-SB1C-940-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	495.2	495.2	495.2	495.2	495.2	495.2	495.2	495.2	495.2	495.2
2.5°	493.5	497.0	496.1	495.2	495.0	495.5	495.8	495.5	495.5	495.5
5°	484.1	487.0	487.0	489.0	491.8	495.2	497.8	498.4	499.0	499.8
7.5°	466.1	468.4	470.1	476.7	483.8	493.0	500.7	504.7	505.2	508.4
10°	453.9	456.7	459.6	466.4	476.7	490.4	503.5	513.2	514.7	522.1
12.5°	453.3	456.1	459.9	467.3	479.3	493.8	509.8	523.8	526.4	537.2
15°	459.3	462.7	466.1	475.3	488.1	505.8	522.9	540.4	542.9	558.3
17.5°	471.6	476.1	478.7	487.8	501.5	521.2	543.8	563.8	566.0	584.0
20°	495.8	501.2	502.1	509.5	522.9	544.1	570.9	595.7	598.6	619.1
22.5°	546.1	553.8	546.9	550.6	562.6	583.7	612.9	644.3	648.2	671.7
25°	634.5	645.4	627.7	621.4	626.6	648.5	685.1	724.7	729.3	748.2
27.5°	808.4	794.4	767.6	741.3	725.9	738.5	779.6	828.7	834.4	852.6
30°	999.3	987.1	950.8	892.6	856.1	854.1	892.0	946.8	953.4	970.8
32.5°	1190.6	1178.9	1139.5	1067.9	1004.5	973.1	999.3	1060.1	1063.6	1074.7
35°	1378.7	1366.7	1327.3	1254.0	1176.0	1104.7	1099.5	1168.0	1169.2	1180.9
37.5°	1568.0	1558.0	1516.0	1444.1	1367.3	1268.8	1221.1	1270.2	1271.7	1283.1
40°	1703.0	1707.3	1678.4	1622.8	1556.8	1449.2	1357.6	1379.0	1370.4	1389.6
42.5°	1818.9	1827.4	1802.3	1774.3	1736.1	1641.3	1526.6	1522.9	1509.2	1519.4
45°	1919.1	1926.2	1903.6	1897.1	1896.2	1829.7	1711.3	1689.0	1669.9	1667.9
47.5°	1955.9	1969.6	1979.3	2001.3	2044.1	2016.1	1902.2	1867.7	1846.3	1830.6
50°	1969.9	1984.4	2017.5	2081.5	2182.8	2194.8	2092.3	2053.5	2027.2	1998.7
52.5°	1951.0	1977.0	2021.5	2129.1	2276.2	2338.1	2274.7	2240.8	2210.8	2164.3
55°	1840.0	1866.0	1957.0	2128.6	2322.7	2438.6	2447.1	2432.0	2398.3	2325.0
57.5°	1605.9	1644.5	1788.6	2056.1	2321.8	2525.1	2616.1	2627.0	2589.3	2484.2
60°	1281.7	1333.9	1509.7	1895.4	2250.2	2571.9	2764.3	2818.5	2778.5	2641.2
62.5°	894.3	954.8	1121.2	1643.6	2086.3	2538.2	2872.4	2972.6	2942.4	2781.7
65°	545.5	564.9	699.1	1293.4	1807.7	2397.2	2905.8	3056.0	3046.0	2867.6
67.5°	363.4	379.6	418.2	886.9	1403.3	2115.4	2825.9	3041.4	3044.3	2853.6
70°	218.9	232.9	258.0	515.8	909.4	1674.4	2578.4	2855.9	2872.4	2666.6
72.5°	90.2	99.6	122.5	233.8	471.0	1062.7	2053.2	2452.0	2490.5	2242.2
75°	51.1	55.9	71.9	117.3	204.4	495.2	1243.7	1740.7	1797.5	1545.4
77.5°	34.0	36.3	46.5	75.9	115.0	169.0	531.5	906.9	1015.3	844.1
80°	22.8	24.8	32.0	50.8	74.8	72.5	169.3	336.0	413.3	290.0
82.5°	15.4	15.7	22.8	33.4	47.4	35.1	50.0	104.5	131.3	83.9
85°	8.8	8.6	16.8	19.4	21.1	14.6	15.1	31.4	41.1	35.4
87.5°	1.1	1.7	6.6	5.1	2.9	3.1	3.1	5.4	8.0	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939206
 CATALOG NUMBER: GALN-SB1C-940-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
495.2	0°	495.2	495.2	495.2	495.2	495.2	495.2	495.2	495.2	495.2	495.2
495.8	2.5°	495.8	495.5	494.7	493.8	491.8	490.7	491.3	490.7	490.4	490.7
499.5	5°	499.5	498.7	496.4	493.5	489.5	484.7	481.5	477.0	472.7	470.1
509.5	7.5°	509.5	508.7	505.5	497.5	484.7	464.4	445.9	429.6	417.3	410.2
525.5	10°	525.5	524.1	519.2	501.5	467.8	423.6	386.8	356.2	336.3	326.8
544.3	12.5°	544.3	542.6	534.1	497.8	435.9	366.8	316.0	282.0	263.5	255.2
566.0	15°	566.6	564.3	547.5	480.1	389.3	304.0	257.5	232.1	220.1	212.7
593.7	17.5°	594.3	590.3	557.5	453.6	338.8	256.0	221.5	202.4	191.8	184.7
630.0	20°	630.3	623.7	565.5	421.9	292.3	225.8	197.2	181.3	173.3	167.0
681.4	22.5°	680.5	671.1	575.2	387.6	259.5	205.0	179.3	167.6	161.0	153.9
753.0	25°	742.7	731.6	587.2	356.0	236.9	187.0	166.1	156.4	148.7	140.4
846.9	27.5°	829.8	809.8	601.4	330.0	217.5	171.6	154.1	143.3	134.4	127.6
953.4	30°	926.8	894.0	614.0	314.3	199.8	157.3	138.4	127.6	119.3	114.5
1049.0	32.5°	1018.8	974.2	622.3	307.4	183.8	141.0	121.3	109.6	103.3	101.9
1142.6	35°	1105.5	1046.7	621.4	300.9	169.6	124.7	104.5	92.5	87.6	88.5
1243.4	37.5°	1205.4	1124.1	615.4	290.6	157.9	109.9	89.9	79.4	75.1	75.4
1365.9	40°	1321.6	1213.4	611.7	271.2	145.0	96.2	77.9	69.4	66.2	65.1
1494.9	42.5°	1445.5	1299.9	612.3	249.2	129.0	83.9	69.6	62.5	59.7	58.8
1638.5	45°	1570.0	1382.4	613.1	226.4	112.2	74.5	63.7	57.7	55.9	54.8
1784.0	47.5°	1687.0	1452.6	597.2	201.8	95.6	67.4	58.8	54.8	53.4	52.0
1930.2	50°	1796.0	1499.5	558.6	173.3	82.5	61.7	55.1	52.2	50.8	49.4
2062.6	52.5°	1880.8	1506.9	495.0	143.9	73.4	57.4	52.8	50.2	48.5	47.1
2169.7	55°	1918.5	1460.3	404.5	116.5	66.2	53.7	50.5	48.0	46.0	44.5
2253.9	57.5°	1908.8	1362.4	315.4	93.6	59.4	50.0	47.7	46.0	43.7	41.4
2322.1	60°	1861.1	1231.4	237.8	77.9	53.1	46.0	44.5	43.1	40.0	36.5
2348.4	62.5°	1778.6	1066.7	169.6	64.5	46.2	41.4	40.8	39.7	35.1	28.8
2309.5	65°	1652.4	866.6	114.2	53.7	39.7	36.3	36.5	34.5	28.5	21.4
2167.4	67.5°	1468.1	633.7	73.1	44.0	33.1	30.3	30.5	29.4	24.3	18.3
1897.9	70°	1233.1	419.6	47.7	33.4	26.5	23.4	25.1	25.4	20.6	14.8
1456.6	72.5°	904.0	247.8	33.4	24.8	19.4	16.3	20.6	21.1	16.6	11.1
876.3	75°	515.2	117.6	25.1	18.0	12.0	11.4	16.0	16.0	11.4	7.4
379.4	77.5°	216.4	49.1	17.7	11.7	6.9	6.6	10.8	10.0	5.7	3.4
92.5	80°	62.5	22.0	9.4	5.7	2.9	2.6	4.3	3.1	1.4	0.6
35.1	82.5°	24.5	9.7	3.7	2.3	1.1	1.1	0.6	0.0	0.0	0.0
20.0	85°	14.6	4.0	1.7	0.9	0.3	0.0	0.0	0.0	0.0	0.0
4.3	87.5°	3.7	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
495.2
491.8
470.7
410.5
326.0
254.3
212.9
184.1
165.8
152.7
139.6
126.2
113.6
102.8
88.5
76.5
64.8
58.5
54.8
52.0
49.4
46.8
44.2
41.1
36.0
28.3
20.8
17.4
14.3
10.6
6.9
3.4
0.6
0.0
0.0
0.0
0.0

F REPORT)