

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: P940196

Luminaire Tested: **GALN-SB3A-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940196
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-SB3A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

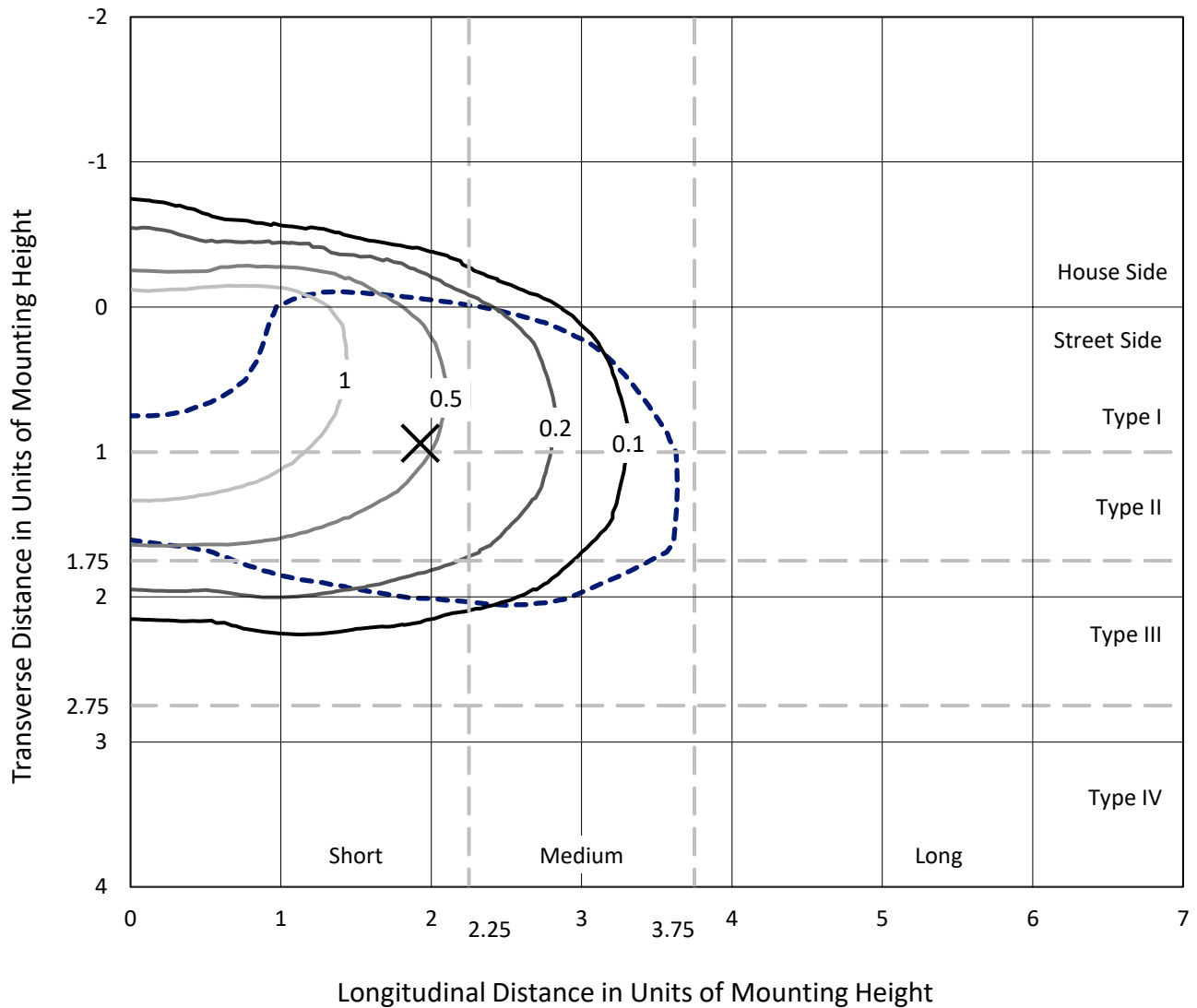
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940196
 CATALOG NUMBER: GALN-SB3A-927-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

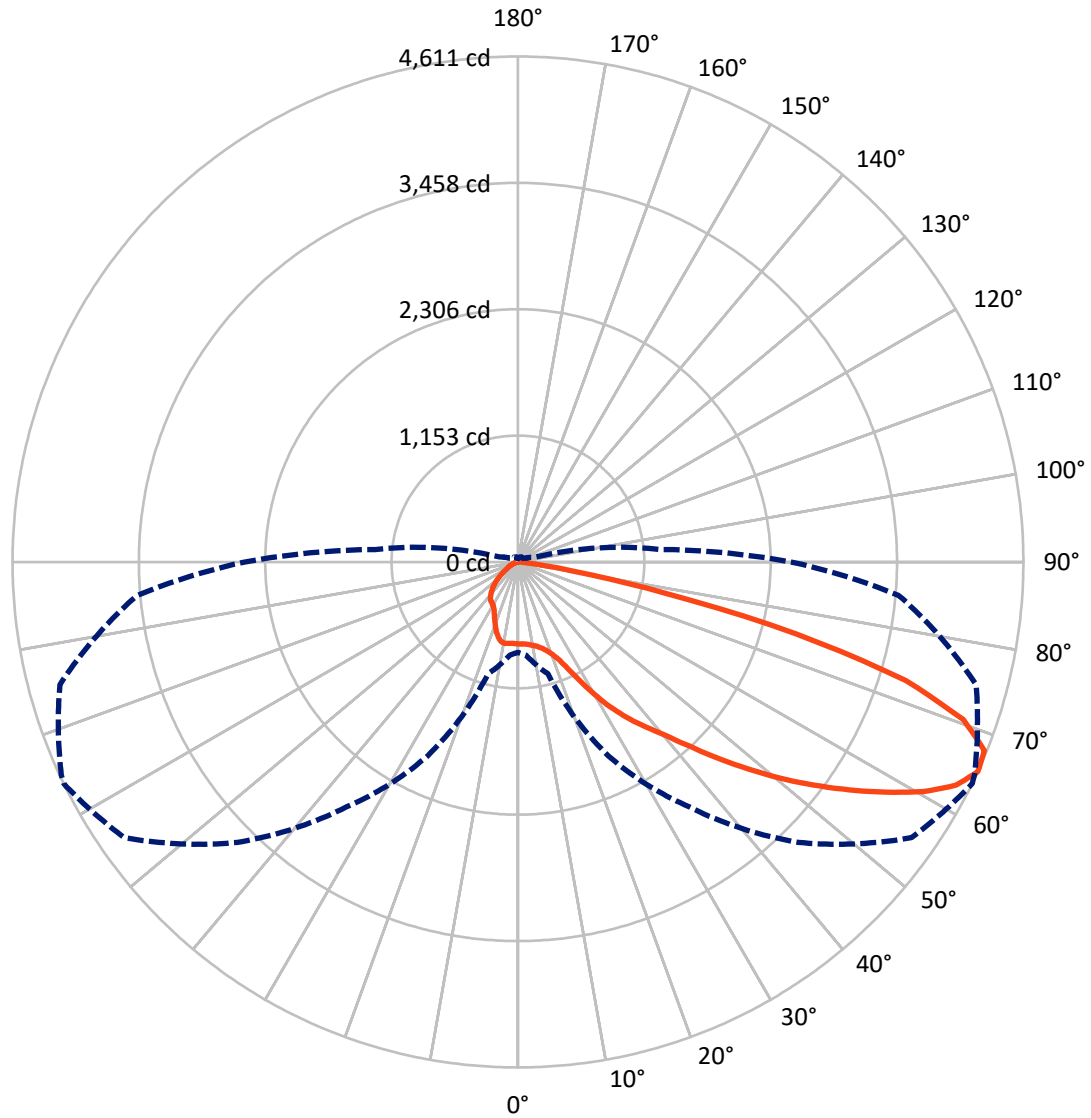
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

REPORT NUMBER: P940196
CATALOG NUMBER: GALN-SB3A-927-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P940196
 CATALOG NUMBER: GALN-SB3A-927-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.2	0.0	859.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5565.8	0.0	5565.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	6425.0	0.0	6425.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.1
10°-20°	187.0	2.9
20°-30°	354.3	5.5
30°-40°	717.0	11.2
40°-50°	1221.5	19.0
50°-60°	1661.1	25.9
60°-70°	1559.9	24.3
70°-80°	625.0	9.7
80°-90°	30.3	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°	6425.0	100.0
0°-180°	6425.0	100.0

Coefficient of Utilization



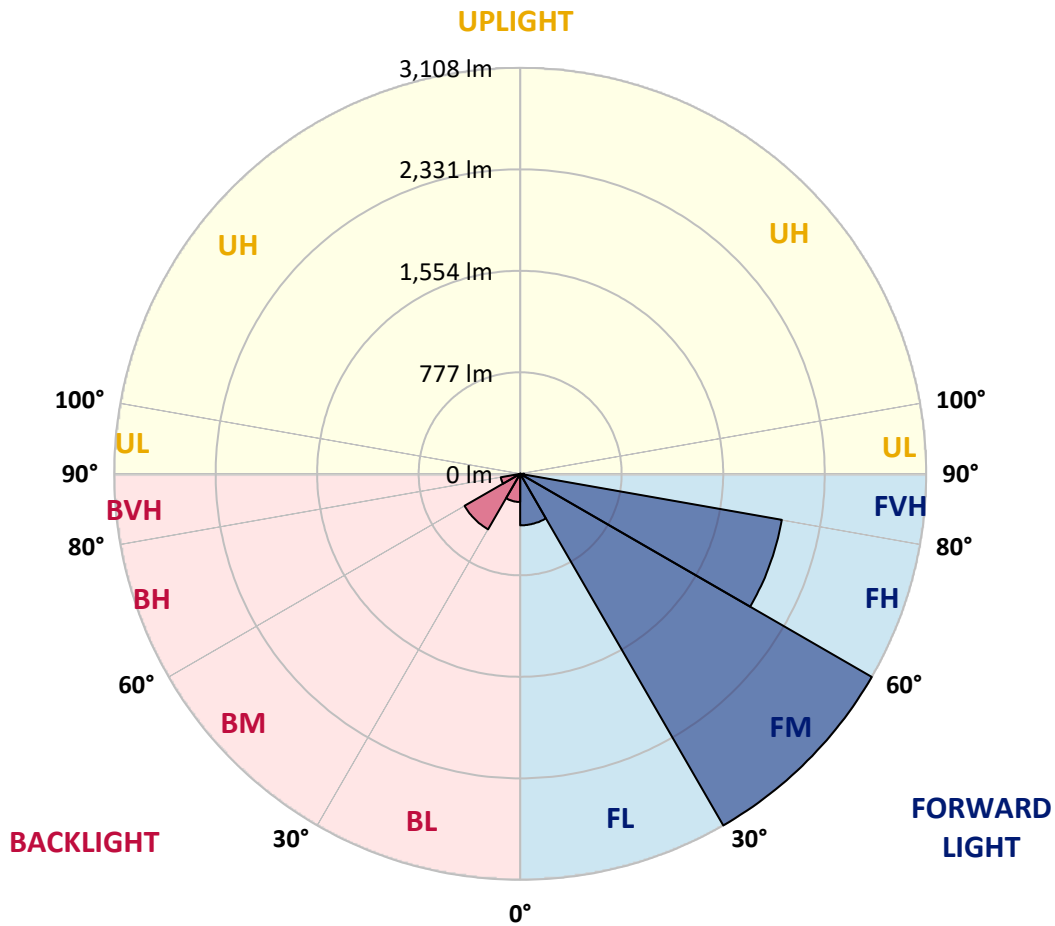
REPORT NUMBER: P940196
 CATALOG NUMBER: GALN-SB3A-927-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.6	6.1			
FM (30°-60°)	3108.4	48.4			
FH (60°-80°)	2034.0	31.7			G2/5000
FVH (80°-90°)	28.8	0.4			G1/100
BL (0°-30°)	215.7	3.4	B1/500		
BM (30°-60°)	491.2	7.6	B1/1000		
BH (60°-80°)	150.8	2.3	B1/500		G1/500
BVH (80°-90°)	1.5	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-G2

Type III Short



REPORT NUMBER: P940196
 CATALOG NUMBER: GALN-SB3A-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	747.3	747.3	747.3	747.3	747.3	747.3	747.3	747.3	747.3	747.3
2.5°	744.7	749.9	748.6	747.3	746.9	747.7	748.2	747.7	747.7	747.7
5°	730.5	734.8	734.8	737.8	742.1	747.3	751.2	752.0	752.9	754.2
7.5°	703.4	706.8	709.4	719.3	730.1	743.8	755.5	761.5	762.4	767.1
10°	684.8	689.1	693.5	703.8	719.3	740.0	759.8	774.4	776.6	787.8
12.5°	684.0	688.3	693.9	705.1	723.2	745.1	769.3	790.4	794.2	810.6
15°	693.0	698.2	703.4	717.1	736.5	763.2	789.1	815.3	819.2	842.5
17.5°	711.5	718.4	722.3	736.1	756.8	786.5	820.5	850.7	854.1	881.2
20°	748.2	756.3	757.6	768.8	789.1	820.9	861.4	898.9	903.2	934.2
22.5°	824.0	835.6	825.3	830.9	848.9	880.8	924.7	972.1	978.2	1013.5
25°	957.5	973.9	947.1	937.7	945.4	978.6	1033.7	1093.6	1100.5	1128.9
27.5°	1219.8	1198.7	1158.2	1118.6	1095.3	1114.3	1176.3	1250.4	1259.0	1286.6
30°	1507.9	1489.4	1434.7	1346.9	1291.7	1288.7	1346.0	1428.7	1438.6	1464.9
32.5°	1796.5	1778.9	1719.4	1611.3	1515.7	1468.3	1507.9	1599.7	1604.9	1621.6
35°	2080.4	2062.3	2002.8	1892.1	1774.6	1666.9	1659.1	1762.5	1764.2	1781.9
37.5°	2365.9	2350.9	2287.5	2179.0	2063.1	1914.5	1842.6	1916.7	1918.8	1936.1
40°	2569.7	2576.1	2532.6	2448.6	2349.1	2186.8	2048.5	2080.8	2067.9	2096.7
42.5°	2744.5	2757.5	2719.5	2677.3	2619.6	2476.6	2303.5	2297.9	2277.2	2292.7
45°	2895.7	2906.5	2872.5	2862.5	2861.3	2760.9	2582.1	2548.6	2519.7	2516.7
47.5°	2951.3	2971.9	2986.6	3019.8	3084.4	3042.2	2870.3	2818.2	2785.9	2762.2
50°	2972.4	2994.3	3044.3	3140.8	3293.7	3311.8	3157.2	3098.6	3059.0	3015.9
52.5°	2944.0	2983.1	3050.3	3212.7	3434.5	3528.0	3432.4	3381.1	3335.9	3265.7
55°	2776.4	2815.6	2953.0	3211.9	3504.7	3679.6	3692.5	3669.7	3618.9	3508.2
57.5°	2423.2	2481.4	2698.9	3102.5	3503.5	3810.1	3947.5	3963.9	3907.0	3748.5
60°	1933.9	2012.7	2278.1	2860.0	3395.3	3880.8	4171.1	4252.9	4192.6	3985.4
62.5°	1349.4	1440.7	1691.9	2480.1	3148.1	3829.9	4334.3	4485.5	4439.8	4197.3
65°	823.1	852.4	1054.8	1951.6	2727.7	3617.2	4384.7	4611.3	4596.2	4327.0
67.5°	548.3	572.9	631.0	1338.2	2117.4	3192.0	4264.1	4589.3	4593.6	4305.9
70°	330.4	351.5	389.4	778.3	1372.3	2526.6	3890.7	4309.3	4334.3	4023.8
72.5°	136.1	150.3	184.8	352.8	710.7	1603.6	3098.1	3699.9	3758.0	3383.3
75°	77.1	84.4	108.5	177.0	308.4	747.3	1876.6	2626.5	2712.2	2331.9
77.5°	51.3	54.7	70.2	114.6	173.6	255.0	802.0	1368.4	1532.1	1273.6
80°	34.5	37.5	48.2	76.7	112.8	109.4	255.4	507.0	623.7	437.6
82.5°	23.3	23.7	34.5	50.4	71.5	53.0	75.4	157.6	198.1	126.6
85°	13.4	12.9	25.4	29.3	31.9	22.0	22.8	47.4	62.0	53.4
87.5°	1.7	2.6	9.9	7.8	4.3	4.7	4.7	8.2	12.1	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940196
 CATALOG NUMBER: GALN-SB3A-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
747.3	0°	747.3	747.3	747.3	747.3	747.3	747.3	747.3	747.3	747.3	747.3
748.2	2.5°	748.2	747.7	746.4	745.1	742.1	740.4	741.3	740.4	740.0	740.4
753.8	5°	753.8	752.5	749.0	744.7	738.7	731.4	726.6	719.7	713.3	709.4
768.8	7.5°	768.8	767.5	762.8	750.7	731.4	700.8	672.8	648.2	629.7	618.9
793.0	10°	793.0	790.8	783.5	756.8	705.9	639.2	583.6	537.5	507.4	493.2
821.4	12.5°	821.4	818.8	805.9	751.2	657.7	553.5	476.8	425.5	397.6	385.1
854.1	15°	855.0	851.5	826.1	724.5	587.5	458.7	388.5	350.2	332.1	320.9
895.9	17.5°	896.8	890.7	841.2	684.4	511.3	386.4	334.2	305.4	289.4	278.7
950.6	20°	951.0	941.1	853.3	636.6	441.1	340.7	297.6	273.5	261.4	252.0
1028.1	22.5°	1026.8	1012.6	867.9	584.9	391.5	309.3	270.5	252.8	242.9	232.2
1136.2	25°	1120.7	1103.9	886.0	537.1	357.5	282.1	250.7	236.0	224.4	211.9
1277.9	27.5°	1252.1	1221.9	907.5	497.9	328.2	258.9	232.6	216.2	202.9	192.5
1438.6	30°	1398.5	1349.0	926.5	474.2	301.5	237.3	208.9	192.5	180.0	172.7
1582.9	32.5°	1537.2	1470.0	939.0	463.9	277.4	212.8	183.1	165.4	155.9	153.8
1724.2	35°	1668.2	1579.4	937.7	454.0	255.8	188.2	157.6	139.6	132.2	133.5
1876.2	37.5°	1818.9	1696.2	928.6	438.5	238.2	165.8	135.7	119.7	113.3	113.7
2061.0	40°	1994.2	1831.0	923.0	409.2	218.8	145.2	117.6	104.7	99.9	98.2
2255.7	42.5°	2181.2	1961.5	923.9	376.0	194.7	126.6	105.1	94.3	90.0	88.7
2472.3	45°	2368.9	2086.0	925.2	341.6	169.3	112.4	96.0	87.0	84.4	82.7
2692.0	47.5°	2545.5	2191.9	901.1	304.5	144.3	101.6	88.7	82.7	80.5	78.4
2912.5	50°	2710.1	2262.6	842.9	261.4	124.5	93.0	83.1	78.8	76.7	74.5
3112.4	52.5°	2838.0	2273.8	746.9	217.1	110.7	86.6	79.7	75.8	73.2	71.1
3273.9	55°	2894.8	2203.5	610.3	175.7	99.9	81.0	76.2	72.4	69.3	67.2
3400.9	57.5°	2880.2	2055.8	475.9	141.3	89.6	75.4	71.9	69.3	65.9	62.5
3503.9	60°	2808.3	1858.1	358.8	117.6	80.1	69.3	67.2	65.0	60.3	55.1
3543.5	62.5°	2683.8	1609.6	255.8	97.3	69.8	62.5	61.6	59.9	53.0	43.5
3484.9	65°	2493.4	1307.7	172.3	81.0	59.9	54.7	55.1	52.1	43.1	32.3
3270.4	67.5°	2215.2	956.2	110.3	66.3	50.0	45.7	46.1	44.4	36.6	27.6
2863.8	70°	1860.7	633.2	71.9	50.4	40.1	35.3	37.9	38.3	31.0	22.4
2197.9	72.5°	1364.1	373.9	50.4	37.5	29.3	24.6	31.0	31.9	25.0	16.8
1322.3	75°	777.4	177.5	37.9	27.1	18.1	17.2	24.1	24.1	17.2	11.2
572.4	77.5°	326.5	74.1	26.7	17.7	10.3	9.9	16.4	15.1	8.6	5.2
139.6	80°	94.3	33.2	14.2	8.6	4.3	3.9	6.5	4.7	2.2	0.9
53.0	82.5°	37.0	14.6	5.6	3.4	1.7	1.7	0.9	0.0	0.0	0.0
30.2	85°	22.0	6.0	2.6	1.3	0.4	0.0	0.0	0.0	0.0	0.0
6.5	87.5°	5.6	1.3	0.9	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

<u>180°</u>
747.3
742.1
710.3
619.4
491.9
383.8
321.3
277.8
250.2
230.4
210.6
190.4
171.4
155.1
133.5
115.4
97.8
88.3
82.7
78.4
74.5
70.6
66.8
62.0
54.3
42.6
31.4
26.3
21.5
15.9
10.3
5.2
0.9
0.0
0.0
0.0
0.0

F REPORT)