

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: P955093

Luminaire Tested: **GALN-SB8A-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16874 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

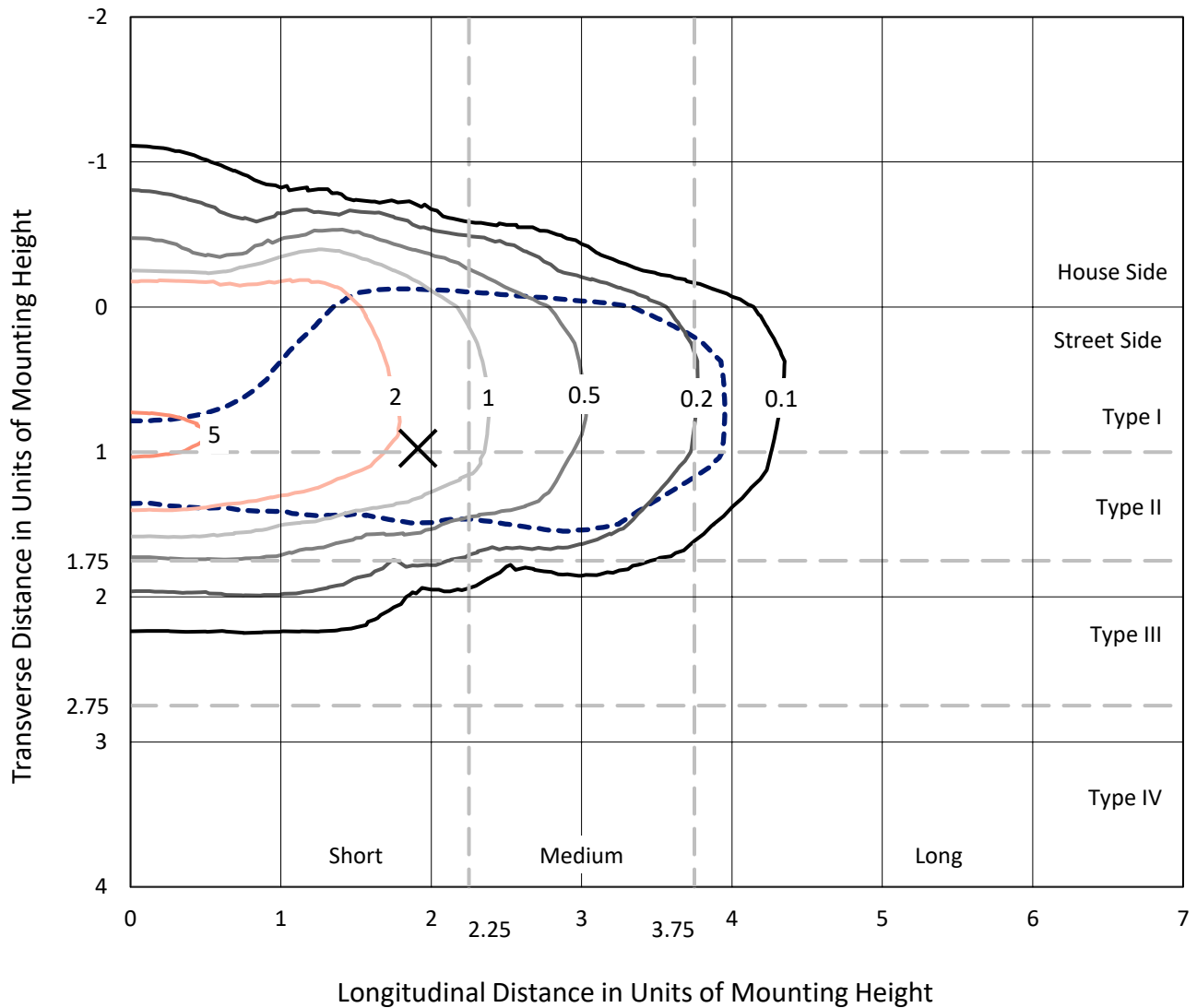
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955093
 CATALOG NUMBER: GALN-SB8A-927-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

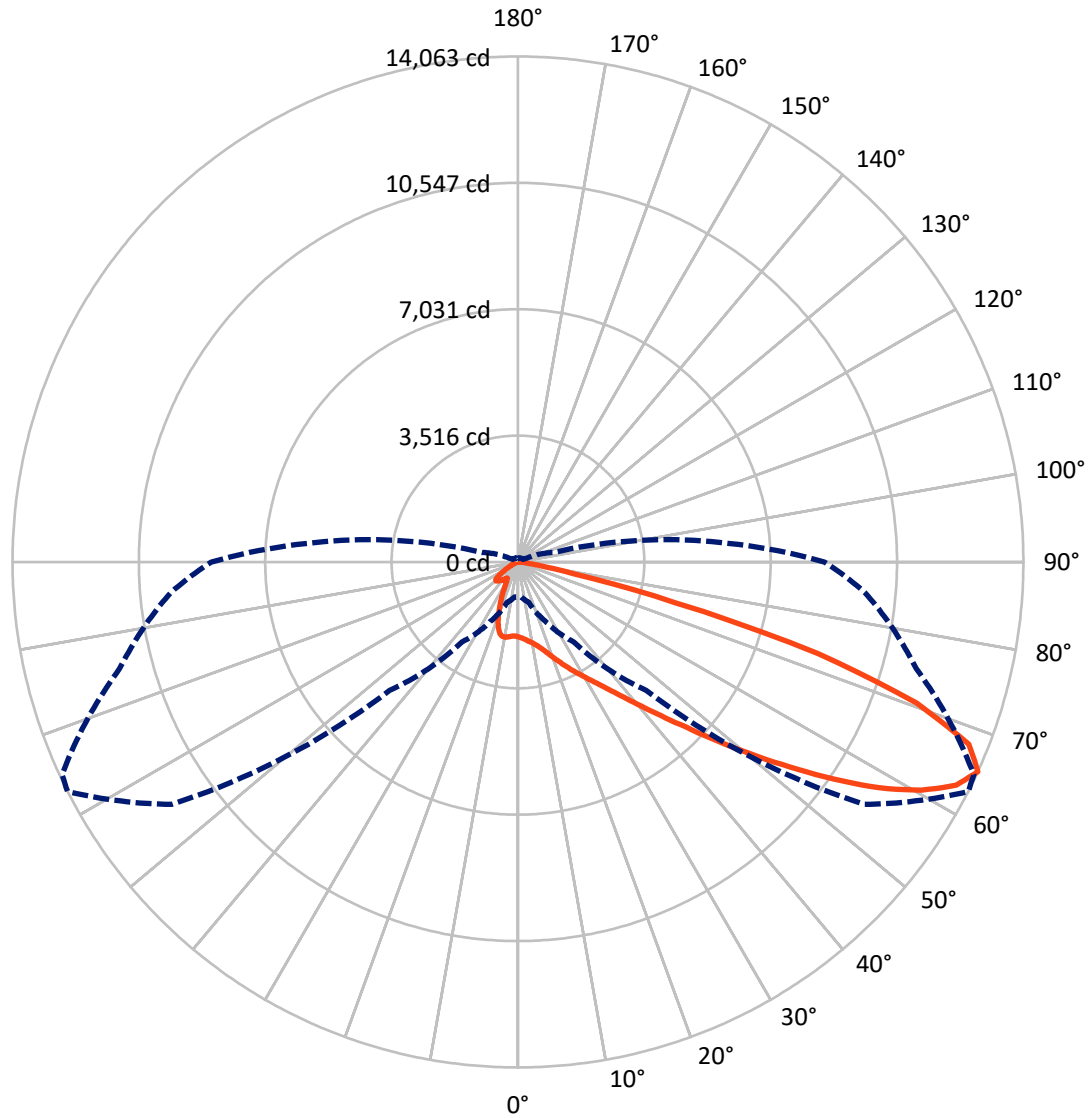
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

REPORT NUMBER: P955093
CATALOG NUMBER: GALN-SB8A-927-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P955093
 CATALOG NUMBER: GALN-SB8A-927-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2480.4	0.0	2480.4
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	14393.7	0.0	14393.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	16874.0	0.0	16874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.2	1.2
10°-20°	544.4	3.2
20°-30°	948.0	5.6
30°-40°	1708.7	10.1
40°-50°	3388.8	20.1
50°-60°	4616.1	27.4
60°-70°	3684.6	21.8
70°-80°	1667.4	9.9
80°-90°	119.8	0.7
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°	16874.0	100.0
0°-180°	16874.0	100.0

Coefficient of Utilization



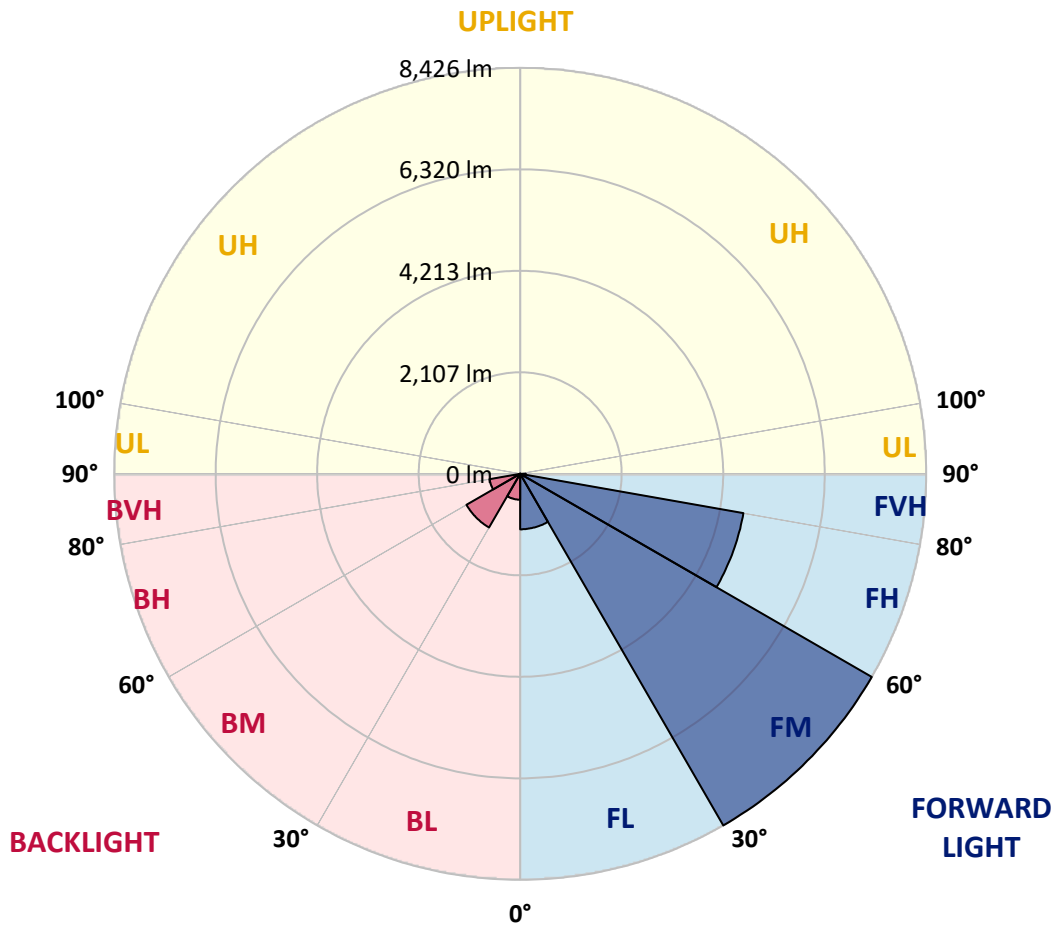
REPORT NUMBER: P955093
 CATALOG NUMBER: GALN-SB8A-927-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1151.9	6.8			
FM (30°-60°)	8426.5	49.9			
FH (60°-80°)	4704.4	27.9			G2/5000
FVH (80°-90°)	111.0	0.7			G2/225
BL (0°-30°)	536.8	3.2	B2/1000		
BM (30°-60°)	1287.1	7.6	B2/2500		
BH (60°-80°)	647.5	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P955093
 CATALOG NUMBER: GALN-SB8A-927-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6
2.5°	2131.3	2125.5	2133.6	2130.2	2127.8	2123.2	2120.9	2118.6	2113.9	2110.4
5°	2137.1	2133.6	2141.8	2148.7	2155.7	2162.7	2166.2	2170.8	2166.2	2156.9
7.5°	2088.4	2086.1	2103.5	2124.4	2155.7	2182.4	2211.4	2227.7	2228.8	2225.4
10°	2084.9	2079.1	2096.5	2122.0	2162.7	2210.3	2261.3	2296.2	2300.8	2315.9
12.5°	2139.5	2133.6	2158.0	2185.9	2227.7	2277.6	2340.3	2389.0	2396.0	2416.9
15°	2231.2	2223.0	2250.9	2286.9	2340.3	2397.2	2463.3	2507.4	2513.2	2538.8
17.5°	2338.0	2329.8	2362.3	2400.6	2458.7	2536.5	2613.1	2661.8	2668.8	2685.1
20°	2474.9	2464.5	2490.0	2524.9	2586.4	2679.2	2771.0	2840.6	2839.4	2839.4
22.5°	2634.0	2617.7	2639.8	2667.6	2725.7	2838.3	2960.2	3042.6	3042.6	3010.1
25°	2804.6	2788.4	2812.7	2838.3	2889.4	3017.1	3159.8	3262.0	3266.6	3210.9
27.5°	3018.2	2997.3	3015.9	3046.1	3076.3	3206.3	3375.8	3494.2	3496.5	3410.6
30°	3429.2	3370.0	3311.9	3279.4	3293.3	3422.2	3603.3	3734.5	3746.1	3627.7
32.5°	4181.4	4169.8	3965.5	3698.5	3559.2	3654.4	3857.5	4015.4	4022.4	3870.3
35°	5350.4	5336.4	5007.9	4499.5	4045.6	3965.5	4166.3	4353.2	4348.6	4176.7
37.5°	6745.7	6732.9	6299.9	5619.7	4884.9	4435.6	4564.5	4760.7	4789.7	4564.5
40°	7937.9	7890.3	7616.4	6960.5	5999.3	5215.7	5131.0	5261.0	5291.2	5024.2
42.5°	8841.1	8800.4	8661.1	8251.3	7348.2	6369.6	5798.5	5848.4	5882.0	5561.6
45°	9308.9	9299.6	9355.3	9317.0	8722.7	7785.8	6752.7	6544.9	6557.7	6157.2
47.5°	9375.0	9370.4	9624.6	9984.5	9904.4	9383.2	7977.4	7413.2	7367.9	6829.3
50°	8985.0	8975.7	9463.3	10137.7	10693.8	10725.1	9368.1	8391.8	8292.0	7524.6
52.5°	7739.4	7737.1	8538.1	9660.6	10971.2	11899.9	10742.5	9466.8	9299.6	8260.6
55°	5955.2	5998.1	6916.4	8243.2	10465.1	12465.2	11976.5	10660.1	10403.6	9001.3
57.5°	4218.5	4281.2	5189.0	6370.8	8895.6	12130.9	12811.2	11855.8	11579.5	9739.6
60°	2266.0	2321.7	3230.7	4641.1	6618.0	10884.2	13251.1	12893.6	12632.4	10440.7
62.5°	1350.1	1368.6	1744.8	2996.2	4476.2	8315.2	13064.2	13684.1	13469.4	11029.3
65°	969.3	972.8	1162.0	1829.5	2717.6	5052.0	11753.6	14062.6	13996.4	11472.7
67.5°	816.1	813.8	892.7	1215.4	1851.6	2530.7	9008.2	13527.4	13808.3	11753.6
70°	700.0	703.5	796.3	890.4	1391.9	1432.5	4478.6	11778.0	12377.0	11827.9
72.5°	521.2	532.8	618.7	811.4	1050.6	985.6	1546.3	8733.1	9816.2	11144.2
75°	368.0	373.8	435.3	682.6	783.6	717.4	789.4	4514.6	5902.9	8543.9
77.5°	283.2	293.7	329.7	477.1	772.0	503.8	482.9	1562.5	2400.6	5161.2
80°	153.2	171.8	238.0	344.8	542.1	356.4	239.1	622.2	813.8	2413.4
82.5°	78.9	88.2	166.0	248.4	308.8	311.1	118.4	258.9	335.5	745.3
85°	31.3	38.3	111.4	137.0	159.0	153.2	53.4	104.5	120.7	206.6
87.5°	7.0	11.6	40.6	31.3	30.2	32.5	12.8	24.4	23.2	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955093
 CATALOG NUMBER: GALN-SB8A-927-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2082.6	0°	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6	2082.6
2096.5	2.5°	2095.3	2090.7	2077.9	2064.0	2047.7	2038.5	2032.7	2031.5	2023.4	2017.6
2142.9	5°	2130.2	2125.5	2101.1	2072.1	2040.8	2016.4	1993.2	1972.3	1942.1	1936.3
2210.3	7.5°	2199.8	2187.0	2147.6	2108.1	2048.9	1978.1	1892.2	1793.5	1705.3	1678.6
2299.6	10°	2285.7	2268.3	2218.4	2148.7	2017.6	1824.9	1617.1	1424.4	1271.1	1228.2
2405.3	12.5°	2383.2	2368.1	2302.0	2173.1	1886.4	1537.0	1218.9	979.8	831.2	794.0
2517.9	15°	2499.3	2477.3	2385.6	2136.0	1651.9	1167.8	837.0	695.4	642.0	635.0
2646.7	17.5°	2622.4	2586.4	2459.8	2002.5	1336.1	830.0	646.6	606.0	582.7	575.8
2776.8	20°	2735.0	2688.5	2504.0	1800.5	998.3	646.6	579.3	552.6	531.7	523.5
2906.8	22.5°	2847.6	2781.4	2504.0	1525.4	748.8	573.5	531.7	507.3	482.9	472.5
3046.1	25°	2964.8	2876.6	2459.8	1218.9	602.5	525.9	486.4	459.7	438.8	426.0
3178.4	27.5°	3078.6	2956.7	2358.9	928.7	536.3	484.1	444.6	419.1	399.3	390.0
3322.4	30°	3186.5	3035.6	2217.2	704.6	493.4	443.4	406.3	384.2	364.5	355.2
3509.3	32.5°	3332.8	3135.5	2066.3	578.1	456.2	405.1	371.5	350.6	333.2	326.2
3751.9	35°	3536.0	3282.9	1936.3	567.7	424.9	373.8	340.1	320.4	303.0	297.2
4065.3	37.5°	3823.9	3520.9	1867.8	637.3	399.3	345.9	314.6	293.7	277.4	272.8
4463.5	40°	4179.1	3843.6	1905.0	707.0	381.9	321.6	291.4	270.5	256.5	250.7
4920.9	42.5°	4600.5	4241.8	2110.4	760.4	370.3	300.7	269.3	246.1	236.8	234.5
5439.8	45°	5084.5	4679.4	2425.0	817.2	351.7	280.9	247.3	229.8	222.9	221.7
6003.9	47.5°	5634.8	5160.0	2789.5	888.1	333.2	262.4	229.8	218.2	212.4	210.1
6592.5	50°	6180.4	5644.1	3164.5	927.5	318.1	244.9	215.9	206.6	202.0	200.8
7214.7	52.5°	6751.5	6142.1	3467.5	890.4	305.3	231.0	204.3	197.3	192.7	191.5
7788.2	55°	7296.0	6544.9	3519.7	755.7	279.8	217.1	191.5	188.1	182.3	182.3
8369.8	57.5°	7764.9	6746.9	3150.6	554.9	254.2	196.2	178.8	175.3	170.6	169.5
8894.5	60°	8195.6	6688.8	2432.0	373.8	226.4	175.3	162.5	160.2	155.6	149.8
9350.7	62.5°	8438.2	6433.4	1663.5	243.8	198.5	153.2	143.9	142.8	132.3	120.7
9688.5	65°	8529.9	5908.7	1037.8	177.6	166.0	131.2	124.2	121.9	106.8	94.0
9880.0	67.5°	8449.8	5045.1	523.5	140.5	131.2	109.1	102.2	102.2	91.7	80.1
9868.4	70°	8129.5	3782.1	220.6	112.6	101.0	83.6	83.6	88.2	77.8	65.0
9356.5	72.5°	7434.1	2544.6	117.2	85.9	75.5	59.2	68.5	72.0	61.5	48.8
7658.1	75°	5909.9	1552.1	81.3	63.8	47.6	41.8	52.2	54.6	41.8	32.5
5250.5	77.5°	4042.1	891.5	54.6	40.6	30.2	24.4	36.0	33.7	22.1	15.1
2024.5	80°	1774.9	371.5	31.3	18.6	11.6	9.3	12.8	9.3	7.0	4.6
277.4	82.5°	207.8	87.1	11.6	7.0	4.6	2.3	1.2	0.0	0.0	0.0
84.7	85°	43.0	10.4	5.8	2.3	1.2	0.0	0.0	0.0	0.0	0.0
15.1	87.5°	8.1	2.3	1.2	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>
2082.6
2023.4
1934.0
1665.8
1211.9
783.6
628.0
572.3
518.9
466.7
421.4
390.0
356.4
326.2
297.2
271.6
249.6
234.5
220.6
210.1
200.8
191.5
181.1
168.3
148.6
118.4
92.9
78.9
63.8
48.8
31.3
16.3
4.6
0.0
0.0
0.0
0.0

F REPORT)