

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: P944446

Luminaire Tested: **GALN-SB9B-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944446
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-SB9B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA 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: 24485 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 III - Short
BUG Rating: B2 - U0 - G4

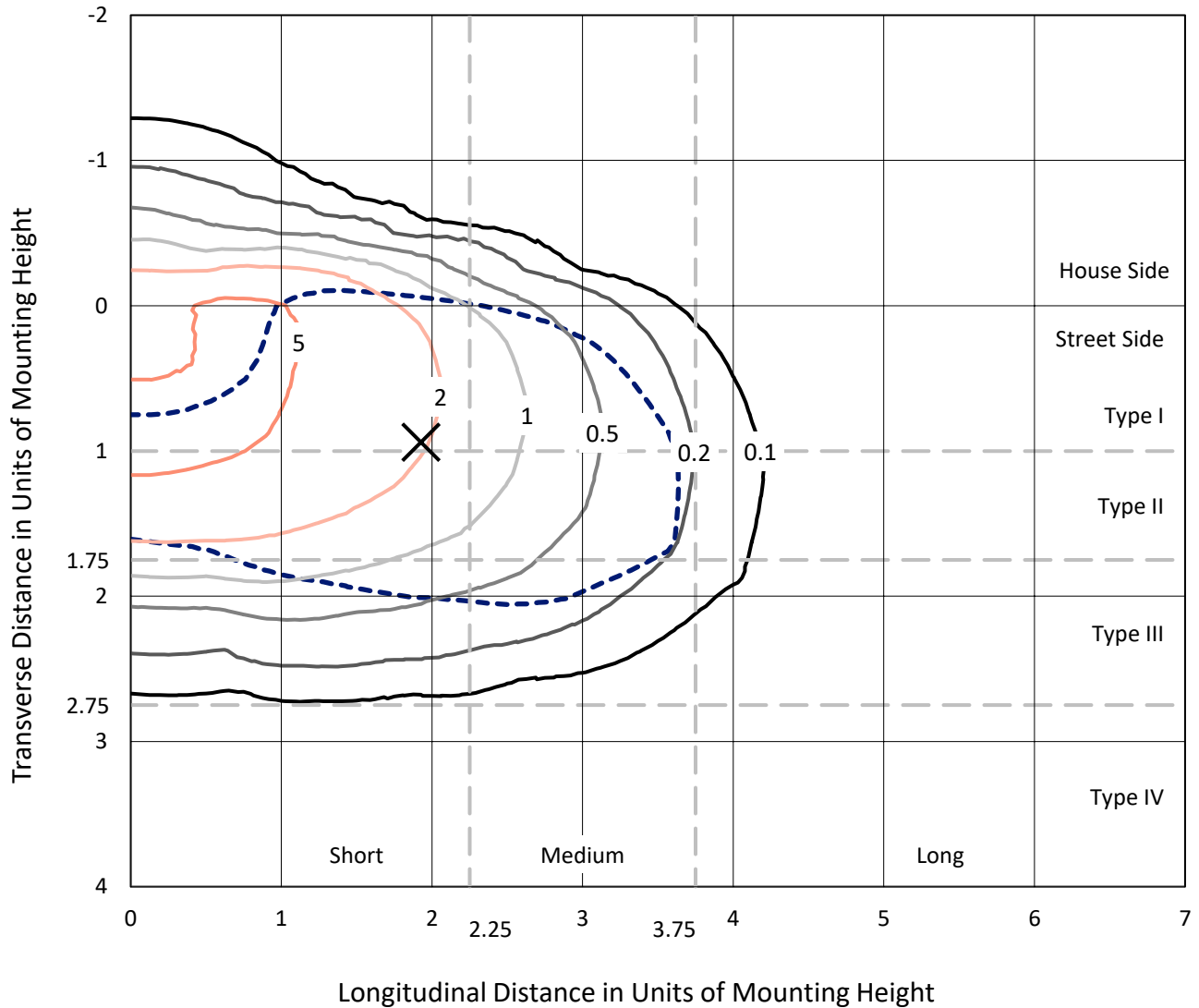
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944446
 CATALOG NUMBER: GALN-SB9B-927-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

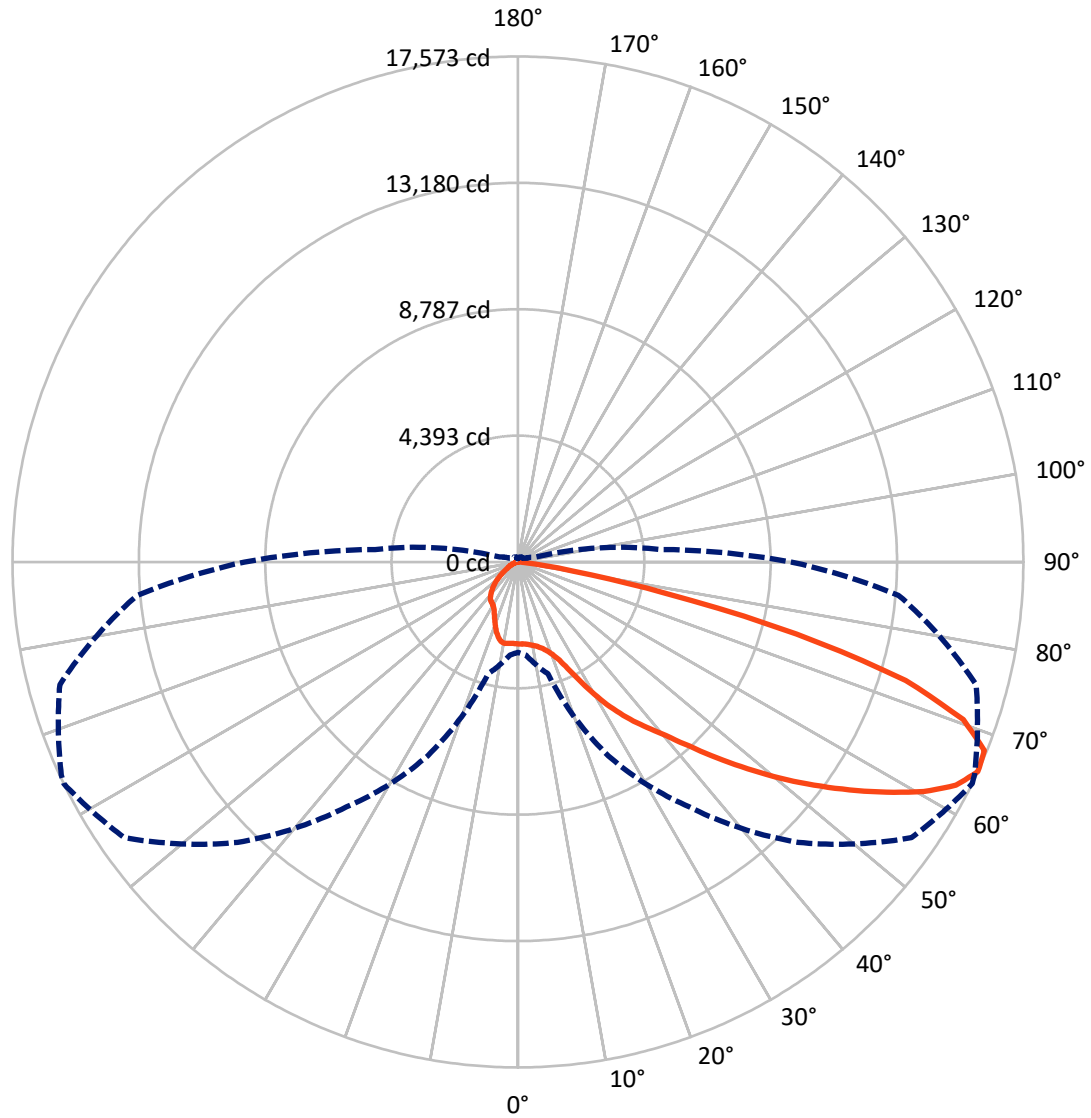
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

REPORT NUMBER: P944446
CATALOG NUMBER: GALN-SB9B-927-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P944446

CATALOG NUMBER: GALN-SB9B-927-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3274.4	0.0	3274.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21210.6	0.0	21210.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	24485.0	0.0	24485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	1.1
10°-20°	712.6	2.9
20°-30°	1350.4	5.5
30°-40°	2732.5	11.2
40°-50°	4654.9	19.0
50°-60°	6330.3	25.9
60°-70°	5944.5	24.3
70°-80°	2381.6	9.7
80°-90°	115.4	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°	24485.0	100.0
0°-180°	24485.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944446

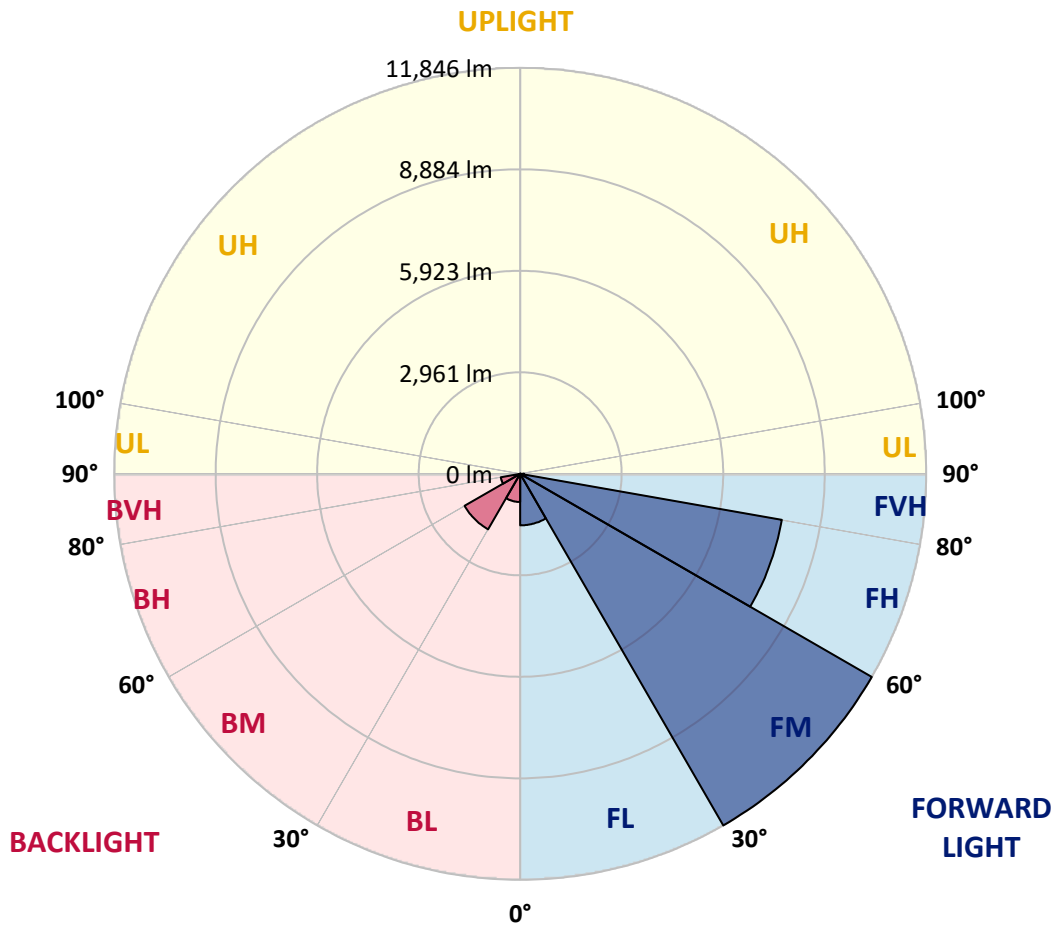
CATALOG NUMBER: GALN-SB9B-927-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1503.7	6.1			
FM (30°-60°)	11845.8	48.4			
FH (60°-80°)	7751.4	31.7			G4/12000
FVH (80°-90°)	109.7	0.4			G2/225
BL (0°-30°)	822.1	3.4	B2/1000		
BM (30°-60°)	1871.9	7.6	B2/2500		
BH (60°-80°)	574.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



REPORT NUMBER: P944446

CATALOG NUMBER: GALN-SB9B-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9
2.5°	2838.0	2857.7	2852.8	2847.9	2846.2	2849.5	2851.1	2849.5	2849.5	2849.5
5°	2783.8	2800.3	2800.3	2811.7	2828.2	2847.9	2862.6	2865.9	2869.2	2874.1
7.5°	2680.4	2693.6	2703.4	2741.2	2782.2	2834.7	2879.0	2902.0	2905.3	2923.4
10°	2609.9	2626.3	2642.7	2682.1	2741.2	2820.0	2895.5	2951.3	2959.5	3002.2
12.5°	2606.6	2623.0	2644.3	2687.0	2755.9	2839.7	2931.6	3012.0	3026.8	3089.1
15°	2641.0	2660.7	2680.4	2733.0	2806.8	2908.6	3007.1	3107.2	3122.0	3210.6
17.5°	2711.6	2737.9	2752.7	2805.2	2884.0	2997.2	3126.9	3241.8	3254.9	3358.3
20°	2851.1	2882.3	2887.3	2929.9	3007.1	3128.5	3282.8	3425.6	3442.1	3560.2
22.5°	3140.0	3184.4	3145.0	3166.3	3235.2	3356.7	3524.1	3704.7	3727.7	3862.3
25°	3648.9	3711.2	3609.5	3573.4	3602.9	3729.3	3939.4	4167.6	4193.8	4302.2
27.5°	4648.5	4568.1	4413.8	4262.8	4174.1	4246.3	4482.7	4765.0	4797.9	4902.9
30°	5746.6	5676.0	5467.6	5132.7	4922.6	4911.1	5129.4	5444.6	5482.3	5582.5
32.5°	6846.4	6779.1	6552.5	6140.5	5776.1	5595.6	5746.6	6096.2	6115.9	6179.9
35°	7928.0	7859.1	7632.6	7210.7	6762.6	6352.3	6322.7	6716.7	6723.2	6790.5
37.5°	9016.3	8958.9	8717.6	8303.9	7862.4	7296.1	7022.0	7304.3	7312.5	7378.2
40°	9792.7	9817.3	9651.5	9331.5	8952.3	8333.5	7806.6	7929.7	7880.4	7990.4
42.5°	10459.1	10508.4	10363.9	10203.1	9983.1	9438.2	8778.3	8757.0	8678.2	8737.3
45°	11035.3	11076.3	10946.6	10908.9	10903.9	10521.5	9840.3	9712.3	9602.3	9590.8
47.5°	11247.0	11325.8	11381.6	11508.0	11754.2	11593.3	10938.4	10739.8	10616.7	10526.4
50°	11327.4	11411.1	11601.5	11969.2	12551.9	12620.9	12031.6	11808.4	11657.3	11493.2
52.5°	11219.1	11368.5	11624.5	12243.3	13088.7	13444.9	13080.5	12885.1	12712.8	12445.2
55°	10580.6	10729.9	11253.6	12240.1	13356.2	14022.6	14071.9	13984.9	13791.2	13369.3
57.5°	9234.6	9456.2	10285.1	11823.1	13351.3	14520.0	15043.6	15106.0	14889.3	14285.3
60°	7370.0	7670.3	8681.5	10899.0	12939.3	14789.2	15895.5	16207.4	15977.6	15188.0
62.5°	5142.6	5490.5	6447.5	9451.3	11997.1	14595.5	16517.6	17093.7	16919.7	15995.6
65°	3136.7	3248.4	4019.8	7437.3	10395.1	13784.6	16709.6	17573.0	17515.6	16489.7
67.5°	2089.5	2183.1	2404.7	5099.9	8069.2	12164.5	16250.0	17489.3	17505.7	16409.3
70°	1259.0	1339.4	1483.8	2966.0	5229.6	9628.6	14826.9	16422.4	16517.6	15334.1
72.5°	518.7	572.9	704.2	1344.3	2708.3	6111.0	11806.7	14099.8	14321.4	12893.3
75°	293.8	321.7	413.6	674.6	1175.3	2847.9	7151.7	10009.4	10336.0	8886.6
77.5°	195.3	208.5	267.6	436.6	661.5	971.7	3056.3	5214.8	5838.5	4853.7
80°	131.3	142.8	183.8	292.2	430.1	416.9	973.4	1931.9	2376.8	1667.7
82.5°	88.6	90.3	131.3	192.0	272.5	201.9	287.2	600.8	755.1	482.6
85°	50.9	49.2	96.8	111.6	121.5	83.7	87.0	180.6	236.4	203.5
87.5°	6.6	9.8	37.8	29.5	16.4	18.1	18.1	31.2	46.0	49.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944446
 CATALOG NUMBER: GALN-SB9B-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2847.9	0°	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9
2851.1	2.5°	2851.1	2849.5	2844.6	2839.7	2828.2	2821.6	2824.9	2821.6	2820.0	2821.6
2872.5	5°	2872.5	2867.6	2854.4	2838.0	2815.0	2787.1	2769.1	2742.8	2718.2	2703.4
2929.9	7.5°	2929.9	2925.0	2907.0	2861.0	2787.1	2670.6	2563.9	2470.3	2399.8	2358.7
3021.9	10°	3021.9	3013.6	2985.7	2884.0	2690.3	2435.9	2224.1	2048.5	1933.6	1879.4
3130.2	12.5°	3130.2	3120.3	3071.1	2862.6	2506.4	2109.2	1817.0	1621.7	1515.0	1467.4
3254.9	15°	3258.2	3245.1	3148.2	2760.9	2238.9	1748.1	1480.6	1334.5	1265.5	1222.9
3414.1	17.5°	3417.4	3394.5	3205.7	2608.2	1948.4	1472.4	1273.7	1163.8	1103.0	1062.0
3622.6	20°	3624.3	3586.5	3251.6	2426.0	1680.8	1298.4	1134.2	1042.3	996.3	960.2
3918.1	22.5°	3913.1	3859.0	3307.5	2229.0	1492.0	1178.5	1030.8	963.5	925.8	884.7
4330.1	25°	4271.0	4207.0	3376.4	2046.8	1362.4	1075.1	955.3	899.5	855.2	807.6
4870.1	27.5°	4771.6	4656.7	3458.5	1897.5	1250.8	986.5	886.4	824.0	773.1	733.7
5482.3	30°	5329.7	5140.9	3530.7	1807.2	1149.0	904.4	796.1	733.7	686.1	658.2
6032.2	32.5°	5858.2	5602.2	3578.3	1767.8	1057.1	810.9	697.6	630.3	594.2	586.0
6570.6	35°	6357.2	6019.1	3573.4	1730.1	975.0	717.3	600.8	531.8	503.9	508.8
7150.0	37.5°	6931.7	6463.9	3538.9	1671.0	907.7	631.9	517.0	456.3	431.7	433.3
7854.2	40°	7599.8	6977.7	3517.6	1559.3	833.8	553.2	448.1	398.9	380.8	374.2
8596.1	42.5°	8312.1	7475.0	3520.8	1433.0	741.9	482.6	400.5	359.5	343.1	338.1
9421.7	45°	9027.8	7949.4	3525.8	1301.6	645.1	428.4	366.0	331.6	321.7	315.2
10258.9	47.5°	9700.8	8353.2	3433.8	1160.5	549.9	387.4	338.1	315.2	306.9	298.7
11099.3	50°	10327.8	8622.4	3212.3	996.3	474.4	354.5	316.8	300.4	292.2	284.0
11860.9	52.5°	10815.3	8665.0	2846.2	827.3	421.8	329.9	303.7	288.9	279.0	270.8
12476.4	55°	11032.0	8397.5	2325.9	669.7	380.8	308.6	290.5	275.8	264.3	256.1
12960.6	57.5°	10976.2	7834.5	1813.8	538.4	341.4	287.2	274.1	264.3	251.1	238.0
13352.9	60°	10702.0	7081.1	1367.3	448.1	305.3	264.3	256.1	247.9	229.8	210.1
13503.9	62.5°	10227.7	6134.0	975.0	371.0	265.9	238.0	234.7	228.2	201.9	165.8
13280.7	65°	9502.2	4983.3	656.6	308.6	228.2	208.5	210.1	198.6	164.1	123.1
12463.3	67.5°	8441.8	3643.9	420.2	252.8	190.4	174.0	175.6	169.1	139.5	105.1
10913.8	70°	7090.9	2412.9	274.1	192.0	152.7	134.6	144.4	146.1	118.2	85.4
8376.2	72.5°	5198.4	1424.8	192.0	142.8	111.6	93.6	118.2	121.5	95.2	64.0
5039.2	75°	2962.8	676.3	144.4	103.4	68.9	65.7	91.9	91.9	65.7	42.7
2181.4	77.5°	1244.2	282.3	101.8	67.3	39.4	37.8	62.4	57.4	32.8	19.7
531.8	80°	359.5	126.4	54.2	32.8	16.4	14.8	24.6	18.1	8.2	3.3
201.9	82.5°	141.2	55.8	21.3	13.1	6.6	6.6	3.3	0.0	0.0	0.0
114.9	85°	83.7	23.0	9.8	4.9	1.6	0.0	0.0	0.0	0.0	0.0
24.6	87.5°	21.3	4.9	3.3	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°
2847.9
2828.2
2706.7
2360.4
1874.5
1462.5
1224.5
1058.7
953.7
878.2
802.7
725.5
653.3
590.9
508.8
439.9
372.6
336.5
315.2
298.7
284.0
269.2
254.4
236.4
206.8
162.5
119.8
100.1
82.1
60.7
39.4
19.7
3.3
0.0
0.0
0.0
0.0

F REPORT)