

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: P942196

Luminaire Tested: **GALN-SB6A-830-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942196
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-SB6A-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 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: 19169 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

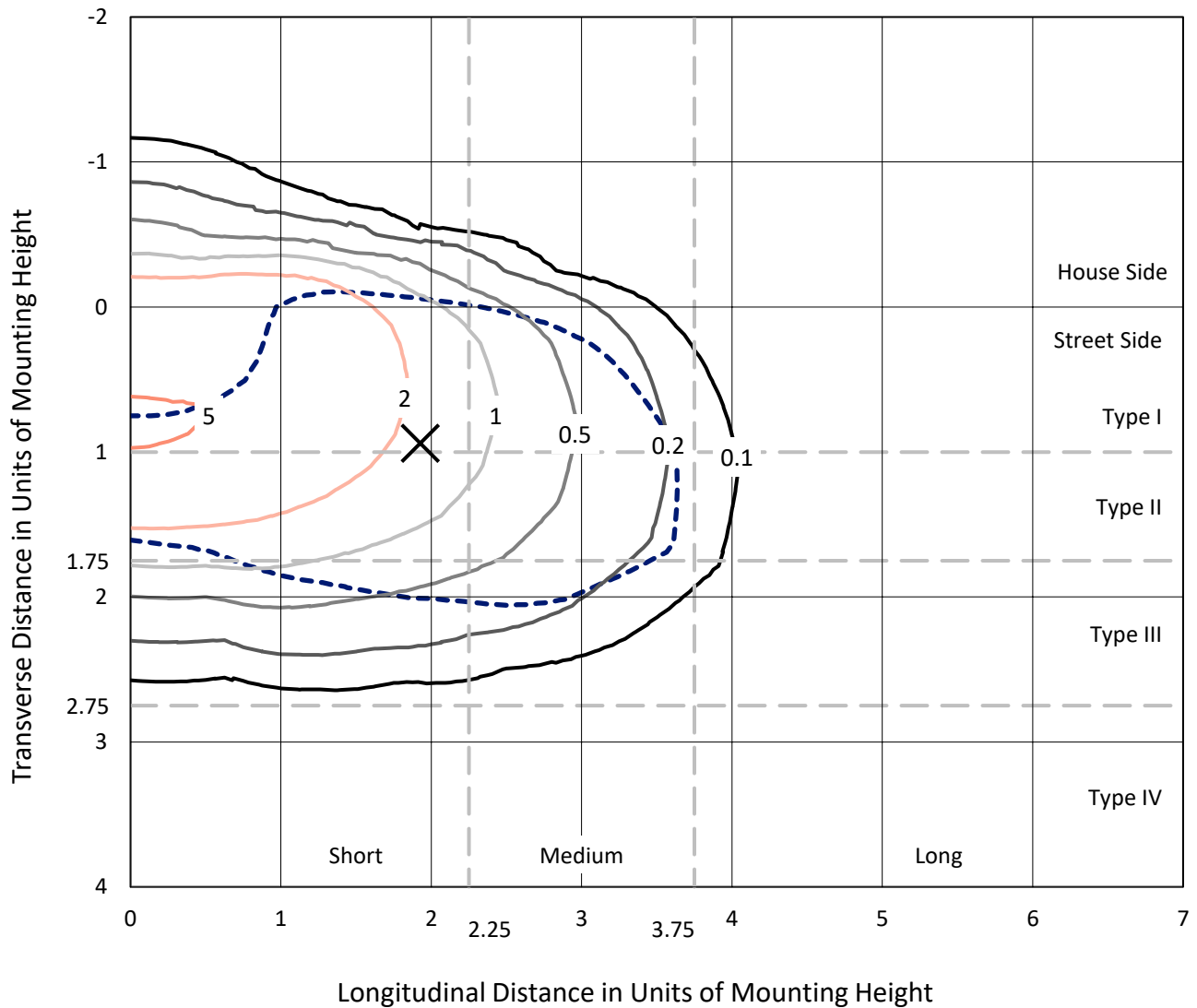
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942196
 CATALOG NUMBER: GALN-SB6A-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

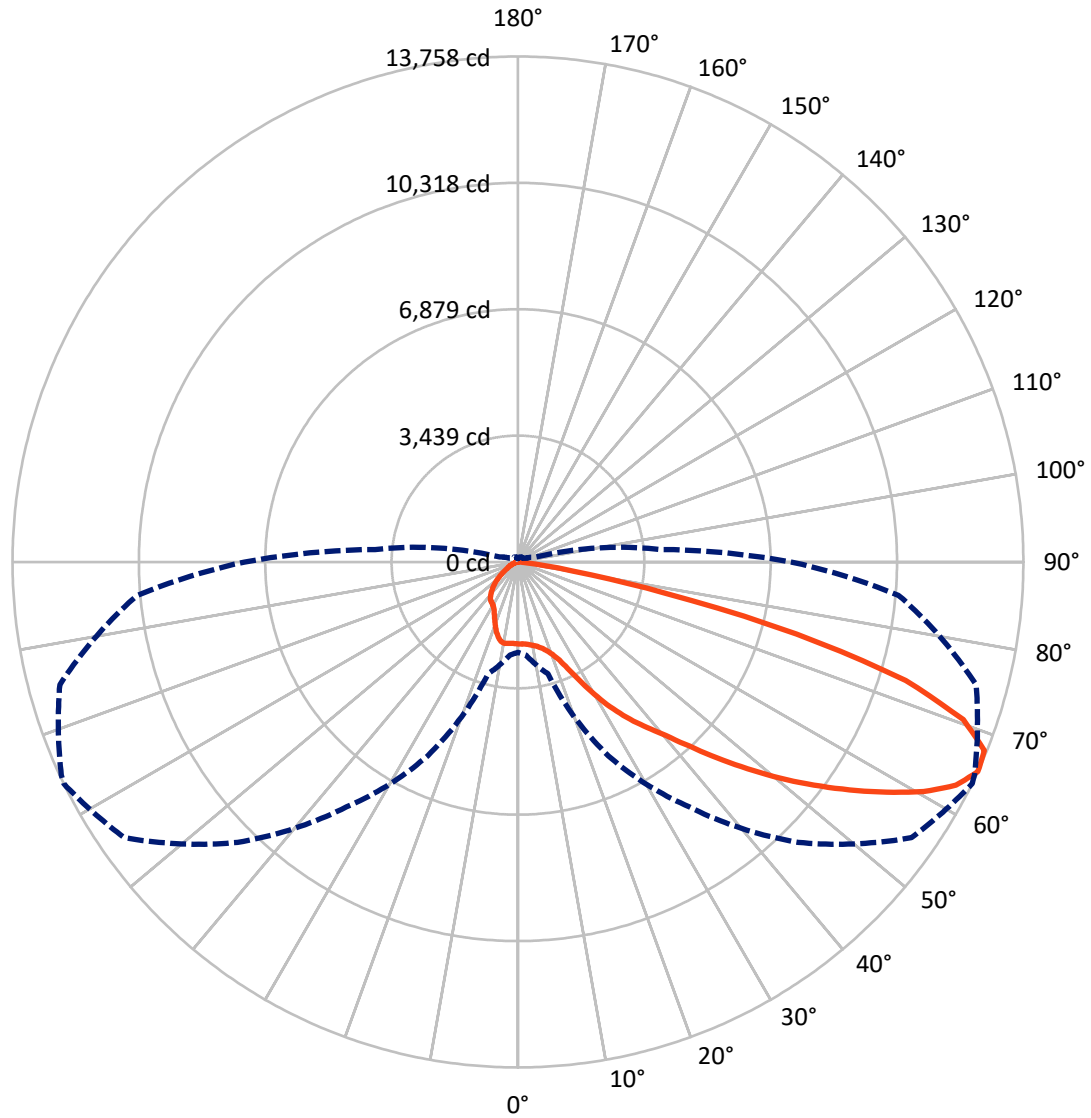
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

REPORT NUMBER: P942196
CATALOG NUMBER: GALN-SB6A-830-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P942196
 CATALOG NUMBER: GALN-SB6A-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2563.5	0.0	2563.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16605.5	0.0	16605.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	19169.0	0.0	19169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.7	1.1
10°-20°	557.9	2.9
20°-30°	1057.2	5.5
30°-40°	2139.3	11.2
40°-50°	3644.3	19.0
50°-60°	4955.9	25.9
60°-70°	4653.9	24.3
70°-80°	1864.5	9.7
80°-90°	90.3	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°	19169.0	100.0
0°-180°	19169.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942196

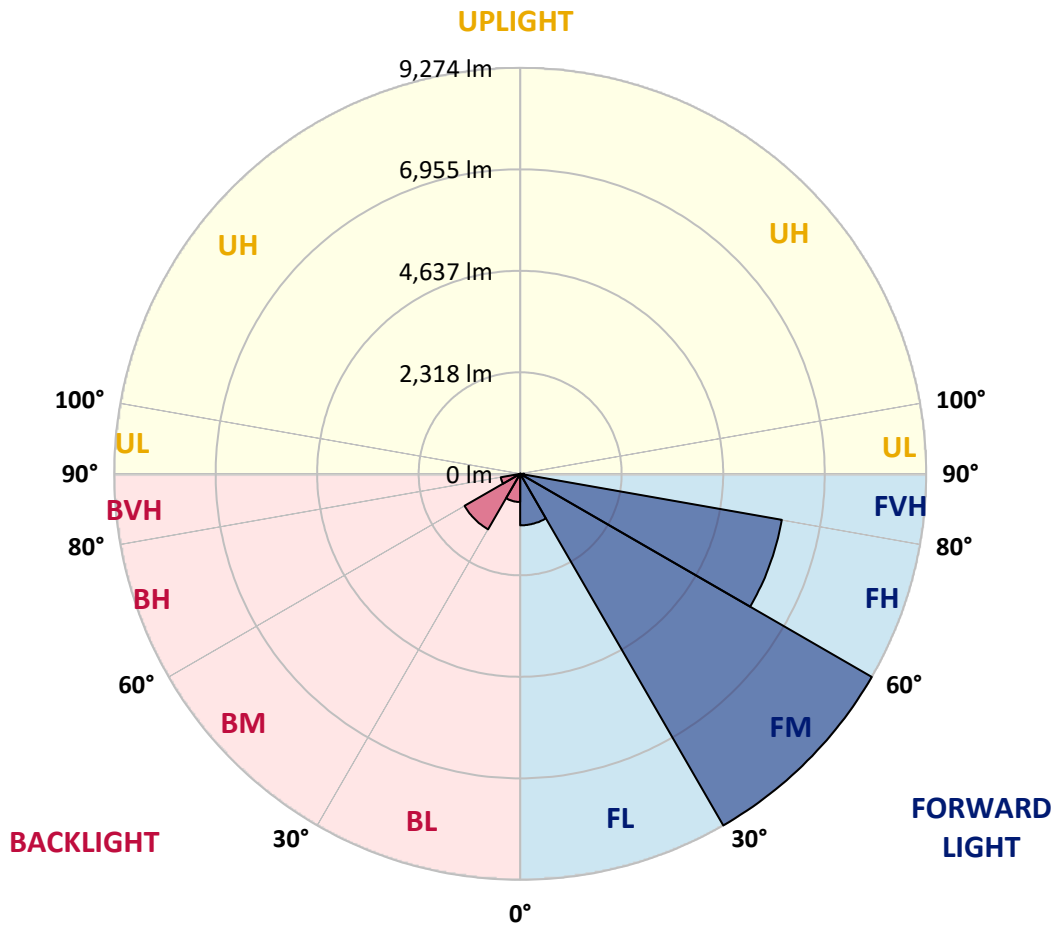
CATALOG NUMBER: GALN-SB6A-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1177.2	6.1			
FM (30°-60°)	9273.9	48.4			
FH (60°-80°)	6068.5	31.7			G3/7500
FVH (80°-90°)	85.9	0.4			G1/100
BL (0°-30°)	643.6	3.4	B2/1000		
BM (30°-60°)	1465.5	7.6	B2/2500		
BH (60°-80°)	449.9	2.3	B1/500		G1/500
BVH (80°-90°)	4.4	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-G3

Type III Short



REPORT NUMBER: P942196
 CATALOG NUMBER: GALN-SB6A-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6
2.5°	2221.8	2237.3	2233.4	2229.6	2228.3	2230.8	2232.1	2230.8	2230.8	2230.8
5°	2179.4	2192.3	2192.3	2201.3	2214.1	2229.6	2241.1	2243.7	2246.3	2250.1
7.5°	2098.5	2108.8	2116.5	2146.0	2178.2	2219.3	2254.0	2272.0	2274.5	2288.7
10°	2043.2	2056.1	2068.9	2099.8	2146.0	2207.7	2266.8	2310.5	2316.9	2350.3
12.5°	2040.7	2053.5	2070.2	2103.6	2157.6	2223.1	2295.1	2358.1	2369.6	2418.5
15°	2067.6	2083.1	2098.5	2139.6	2197.4	2277.1	2354.2	2432.6	2444.2	2513.5
17.5°	2122.9	2143.5	2155.0	2196.1	2257.8	2346.5	2448.0	2538.0	2548.2	2629.2
20°	2232.1	2256.5	2260.4	2293.8	2354.2	2449.3	2570.1	2681.9	2694.7	2787.3
22.5°	2458.3	2493.0	2462.1	2478.9	2532.8	2627.9	2759.0	2900.3	2918.3	3023.7
25°	2856.7	2905.5	2825.8	2797.5	2820.7	2919.6	3084.1	3262.7	3283.3	3368.1
27.5°	3639.2	3576.3	3455.5	3337.3	3267.9	3324.4	3509.5	3730.5	3756.2	3838.4
30°	4498.9	4443.7	4280.5	4018.3	3853.9	3844.9	4015.8	4262.5	4292.1	4370.4
32.5°	5359.9	5307.2	5129.9	4807.4	4522.1	4380.7	4498.9	4772.7	4788.1	4838.2
35°	6206.8	6152.8	5975.5	5645.2	5294.4	4973.1	4950.0	5258.4	5263.5	5316.2
37.5°	7058.8	7013.8	6824.9	6501.0	6155.4	5712.0	5497.4	5718.5	5724.9	5776.3
40°	7666.6	7685.9	7556.1	7305.5	7008.6	6524.2	6111.7	6208.1	6169.5	6255.6
42.5°	8188.3	8226.9	8113.8	7987.8	7815.6	7389.0	6872.4	6855.7	6794.0	6840.3
45°	8639.4	8671.5	8570.0	8540.4	8536.6	8237.1	7703.8	7603.6	7517.5	7508.5
47.5°	8805.1	8866.8	8910.5	9009.5	9202.2	9076.3	8563.5	8408.1	8311.7	8241.0
50°	8868.1	8933.6	9082.7	9370.6	9826.7	9880.7	9419.4	9244.6	9126.4	8997.9
52.5°	8783.3	8900.2	9100.7	9585.2	10247.0	10525.8	10240.5	10087.6	9952.7	9743.2
55°	8283.4	8400.3	8810.3	9582.6	10456.4	10978.1	11016.7	10948.6	10797.0	10466.7
57.5°	7229.7	7403.1	8052.1	9256.2	10452.6	11367.5	11777.4	11826.3	11656.6	11183.8
60°	5769.9	6005.0	6796.6	8532.7	10130.0	11578.3	12444.4	12688.5	12508.6	11890.5
62.5°	4026.0	4298.5	5047.7	7399.3	9392.4	11426.6	12931.4	13382.5	13246.2	12522.8
65°	2455.7	2543.1	3147.1	5822.5	8138.2	10791.8	13081.8	13757.7	13712.7	12909.6
67.5°	1635.9	1709.1	1882.6	3992.6	6317.3	9523.5	12721.9	13692.2	13705.0	12846.6
70°	985.6	1048.6	1161.7	2322.1	4094.2	7538.1	11607.8	12856.9	12931.4	12004.9
72.5°	406.1	448.5	551.3	1052.5	2120.3	4784.2	9243.3	11038.5	11212.0	10094.0
75°	230.0	251.9	323.8	528.2	920.1	2229.6	5598.9	7836.2	8091.9	6957.2
77.5°	152.9	163.2	209.5	341.8	517.9	760.7	2392.8	4082.6	4570.9	3799.9
80°	102.8	111.8	143.9	228.7	336.7	326.4	762.0	1512.5	1860.7	1305.6
82.5°	69.4	70.7	102.8	150.4	213.3	158.1	224.9	470.3	591.1	377.8
85°	39.8	38.6	75.8	87.4	95.1	65.5	68.1	141.4	185.0	159.3
87.5°	5.1	7.7	29.6	23.1	12.9	14.1	14.1	24.4	36.0	38.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942196
 CATALOG NUMBER: GALN-SB6A-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2229.6	0°	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6	2229.6
2232.1	2.5°	2232.1	2230.8	2227.0	2223.1	2214.1	2209.0	2211.6	2209.0	2207.7	2209.0
2248.8	5°	2248.8	2245.0	2234.7	2221.8	2203.9	2182.0	2167.9	2147.3	2128.0	2116.5
2293.8	7.5°	2293.8	2290.0	2275.8	2239.8	2182.0	2090.8	2007.2	1934.0	1878.7	1846.6
2365.8	10°	2365.8	2359.3	2337.5	2257.8	2106.2	1907.0	1741.2	1603.7	1513.8	1471.4
2450.6	12.5°	2450.6	2442.9	2404.3	2241.1	1962.3	1651.3	1422.5	1269.6	1186.1	1148.8
2548.2	15°	2550.8	2540.5	2464.7	2161.4	1752.8	1368.6	1159.1	1044.7	990.8	957.4
2672.9	17.5°	2675.5	2657.5	2509.7	2041.9	1525.3	1152.7	997.2	911.1	863.6	831.4
2836.1	20°	2837.4	2807.8	2545.7	1899.3	1315.9	1016.5	888.0	816.0	780.0	751.8
3067.4	22.5°	3063.5	3021.1	2589.4	1745.1	1168.1	922.7	807.0	754.3	724.8	692.6
3389.9	25°	3343.7	3293.6	2643.3	1602.5	1066.6	841.7	747.9	704.2	669.5	632.2
3812.7	27.5°	3735.6	3645.7	2707.6	1485.5	979.2	772.3	693.9	645.1	605.3	574.4
4292.1	30°	4172.5	4024.8	2764.1	1414.8	899.5	708.1	623.2	574.4	537.1	515.3
4722.5	32.5°	4586.3	4385.9	2801.4	1384.0	827.6	634.8	546.1	493.5	465.2	458.8
5144.0	35°	4977.0	4712.3	2797.5	1354.4	763.3	561.6	470.3	416.4	394.5	398.4
5597.7	37.5°	5426.7	5060.5	2770.6	1308.2	710.6	494.7	404.8	357.2	338.0	339.3
6148.9	40°	5949.8	5462.7	2753.9	1220.8	652.8	433.1	350.8	312.3	298.1	293.0
6729.8	42.5°	6507.5	5852.1	2756.4	1121.8	580.8	377.8	313.6	281.4	268.6	264.7
7376.2	45°	7067.7	6223.5	2760.3	1019.0	505.0	335.4	286.6	259.6	251.9	246.7
8031.5	47.5°	7594.6	6539.6	2688.3	908.5	430.5	303.3	264.7	246.7	240.3	233.9
8689.5	50°	8085.5	6750.3	2514.8	780.0	371.4	277.6	248.0	235.2	228.7	222.3
9285.7	52.5°	8467.2	6783.8	2228.3	647.7	330.3	258.3	237.7	226.2	218.5	212.0
9767.6	55°	8636.8	6574.3	1820.9	524.3	298.1	241.6	227.5	215.9	206.9	200.5
10146.7	57.5°	8593.1	6133.5	1420.0	421.5	267.3	224.9	214.6	206.9	196.6	186.3
10453.8	60°	8378.5	5543.7	1070.4	350.8	239.0	206.9	200.5	194.0	179.9	164.5
10572.1	62.5°	8007.1	4802.2	763.3	290.4	208.2	186.3	183.8	178.6	158.1	129.8
10397.3	65°	7439.1	3901.4	514.0	241.6	178.6	163.2	164.5	155.5	128.5	96.4
9757.3	67.5°	6609.0	2852.8	329.0	197.9	149.1	136.2	137.5	132.4	109.2	82.2
8544.3	70°	5551.4	1889.0	214.6	150.4	119.5	105.4	113.1	114.4	92.5	66.8
6557.6	72.5°	4069.7	1115.4	150.4	111.8	87.4	73.2	92.5	95.1	74.5	50.1
3945.1	75°	2319.5	529.4	113.1	81.0	54.0	51.4	72.0	72.0	51.4	33.4
1707.8	77.5°	974.1	221.0	79.7	52.7	30.8	29.6	48.8	45.0	25.7	15.4
416.4	80°	281.4	98.9	42.4	25.7	12.9	11.6	19.3	14.1	6.4	2.6
158.1	82.5°	110.5	43.7	16.7	10.3	5.1	5.1	2.6	0.0	0.0	0.0
90.0	85°	65.5	18.0	7.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0
19.3	87.5°	16.7	3.9	2.6	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°
2229.6
2214.1
2119.0
1847.9
1467.5
1145.0
958.6
828.9
746.6
687.5
628.4
568.0
511.4
462.6
398.4
344.4
291.7
263.4
246.7
233.9
222.3
210.7
199.2
185.0
161.9
127.2
93.8
78.4
64.3
47.5
30.8
15.4
2.6
0.0
0.0
0.0
0.0

F REPORT)