

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: P948585

Luminaire Tested: **GALN-SB3C-830-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16809 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

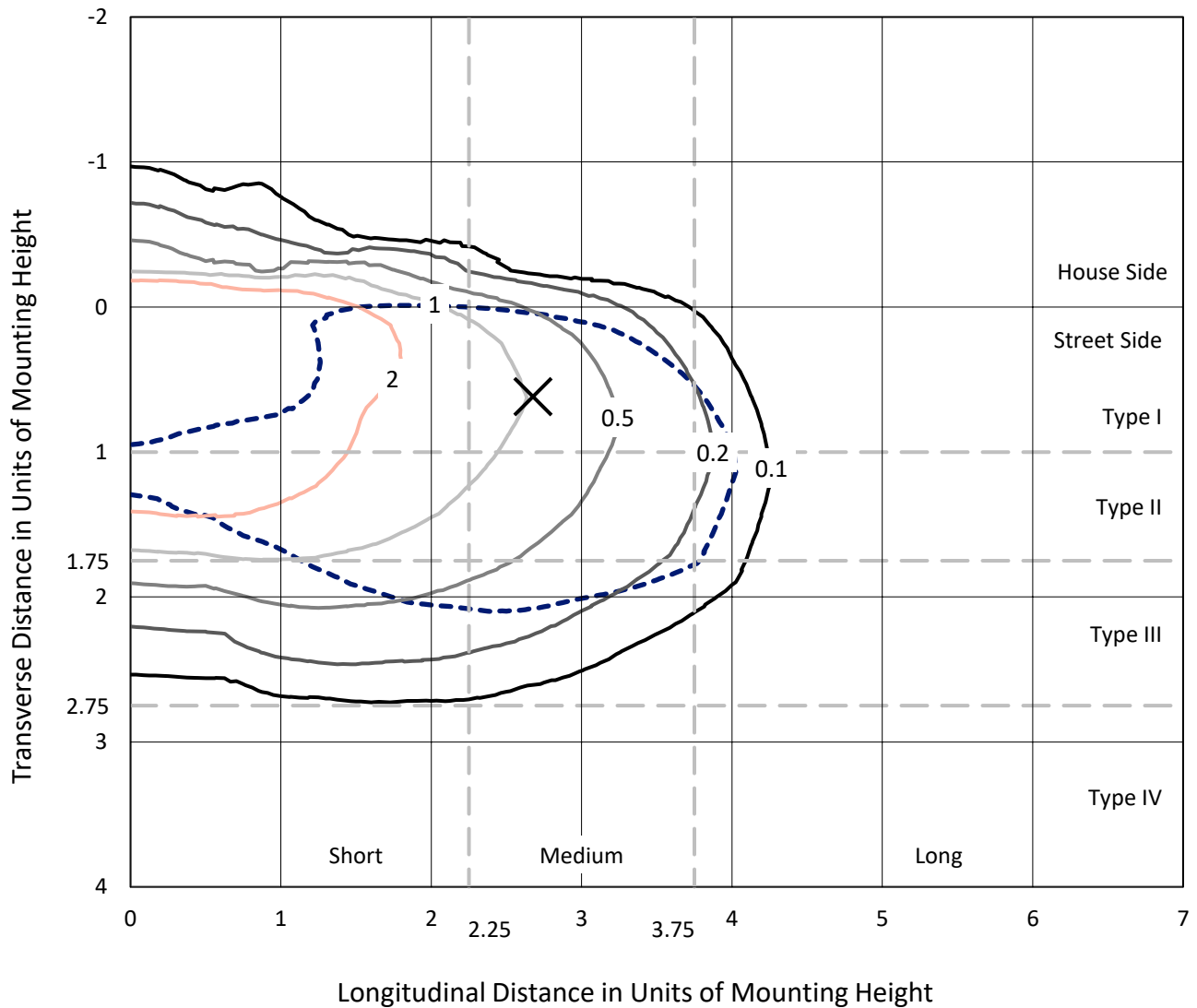
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948585
 CATALOG NUMBER: GALN-SB3C-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

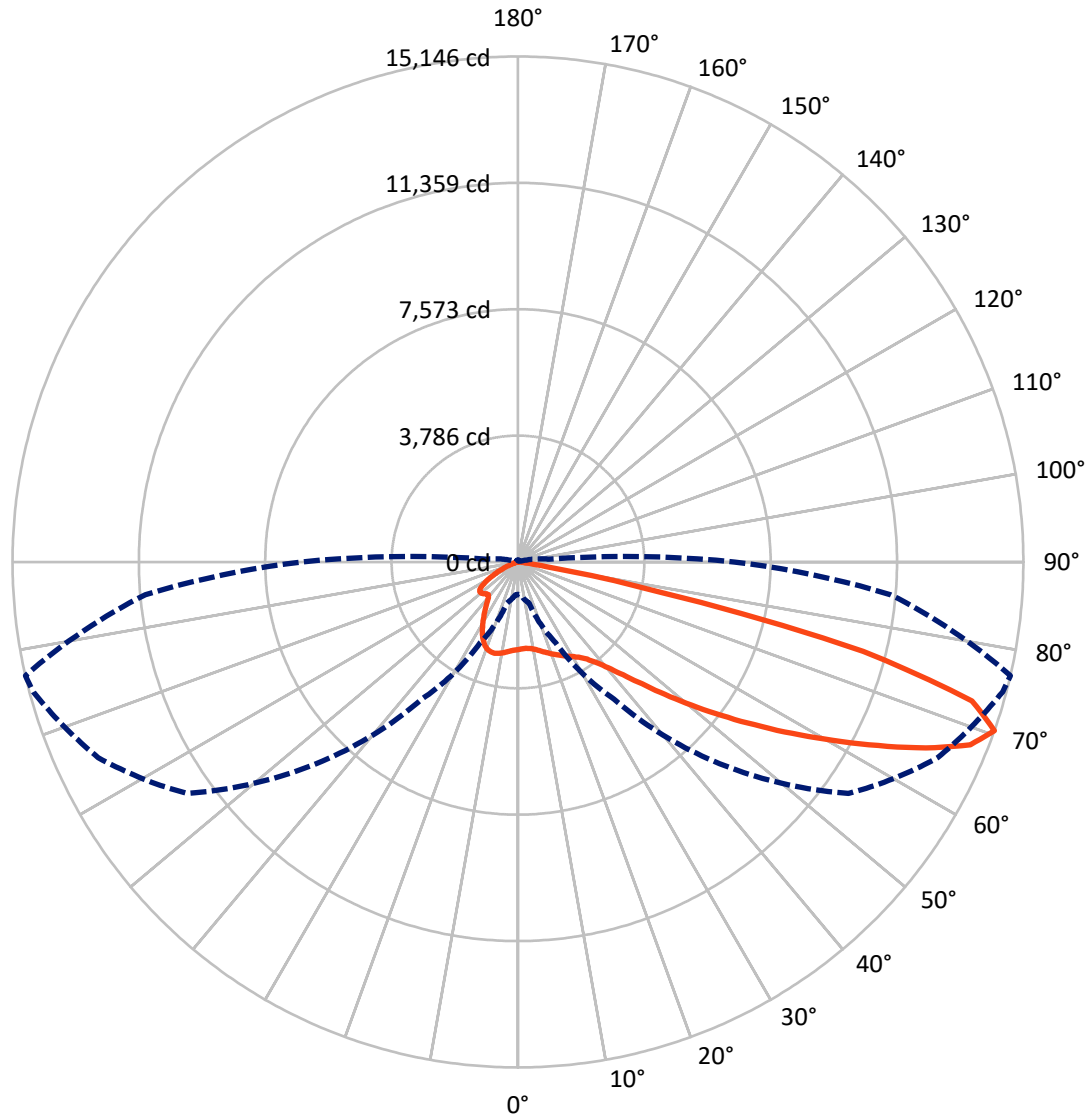
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P948585
CATALOG NUMBER: GALN-SB3C-830-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P948585
 CATALOG NUMBER: GALN-SB3C-830-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1771.9	0.0	1771.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	15037.1	0.0	15037.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	16809.0	0.0	16809.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	1.3
10°-20°	536.4	3.2
20°-30°	829.7	4.9
30°-40°	1505.5	9.0
40°-50°	2841.8	16.9
50°-60°	4106.2	24.4
60°-70°	4371.0	26.0
70°-80°	2316.3	13.8
80°-90°	76.1	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°	16809.0	100.0
0°-180°	16809.0	100.0

Coefficient of Utilization



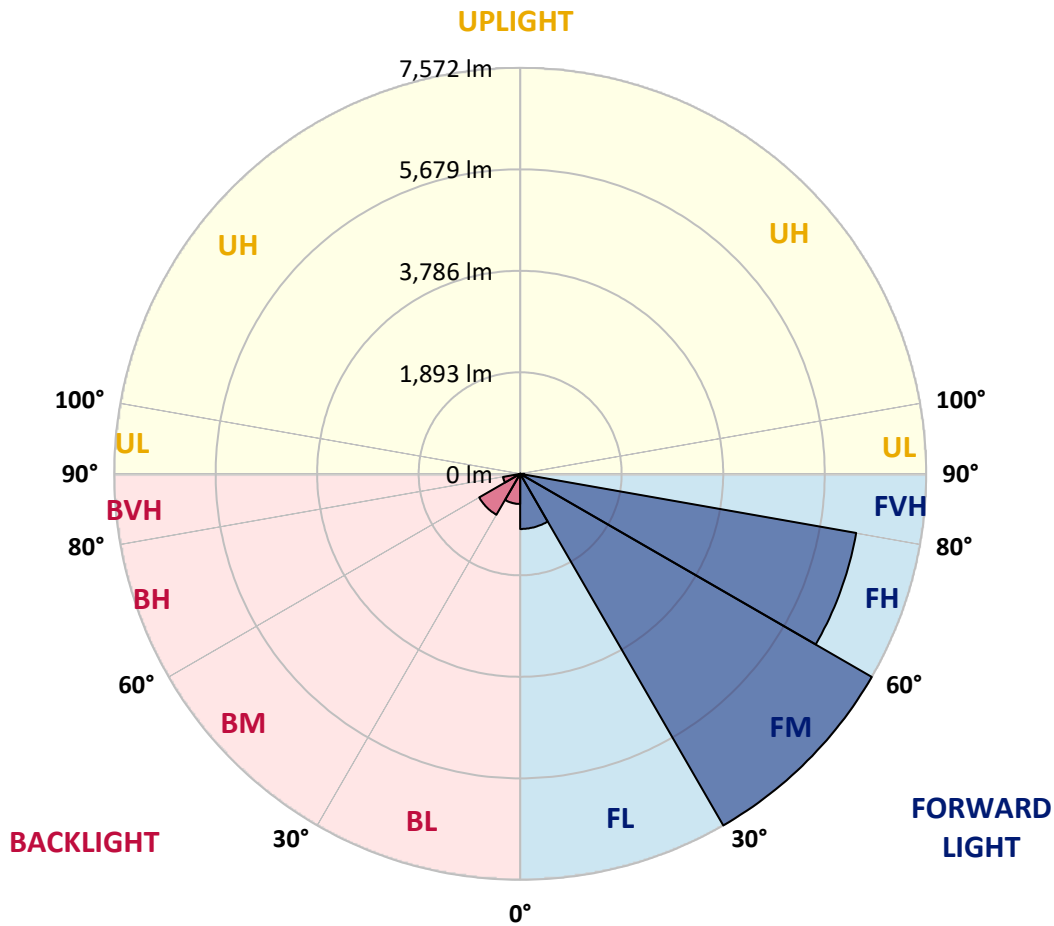
REPORT NUMBER: P948585
 CATALOG NUMBER: GALN-SB3C-830-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.1	6.1			
FM (30°-60°)	7571.5	45.0			
FH (60°-80°)	6362.4	37.9			G3/7500
FVH (80°-90°)	74.0	0.4			G1/100
BL (0°-30°)	563.0	3.3	B2/1000		
BM (30°-60°)	882.1	5.2	B1/1000		
BH (60°-80°)	324.8	1.9	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



REPORT NUMBER: P948585
 CATALOG NUMBER: GALN-SB3C-830-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9
2.5°	2461.6	2483.9	2480.7	2495.6	2500.9	2522.1	2543.3	2572.0	2603.9	2602.8
5°	2322.6	2344.8	2350.2	2370.3	2395.8	2428.7	2472.2	2529.6	2589.0	2598.5
7.5°	2158.0	2181.4	2195.2	2235.5	2282.2	2350.2	2421.3	2505.1	2603.9	2617.7
10°	1993.5	2014.7	2032.8	2090.1	2164.4	2265.2	2380.9	2502.0	2634.6	2654.8
12.5°	1891.6	1911.8	1931.9	1981.8	2074.2	2197.3	2354.4	2516.8	2685.6	2714.3
15°	1855.5	1873.5	1889.5	1934.0	2020.0	2160.1	2349.1	2547.6	2750.3	2788.6
17.5°	1860.8	1870.4	1881.0	1914.9	1998.8	2143.2	2358.6	2600.7	2826.8	2860.7
20°	1891.6	1896.9	1898.0	1921.3	1995.6	2141.0	2377.8	2651.6	2899.0	2944.6
22.5°	1930.9	1933.0	1930.9	1946.8	2015.8	2157.0	2403.2	2713.2	2979.6	3022.1
25°	2114.5	2074.2	2023.2	1992.4	2049.8	2187.7	2441.4	2796.0	3067.7	3109.1
27.5°	2684.5	2568.8	2386.2	2181.4	2119.8	2232.3	2494.5	2879.8	3156.9	3194.0
30°	3610.2	3458.4	3148.4	2686.7	2344.8	2325.7	2563.5	2963.7	3251.4	3291.7
32.5°	4537.9	4500.8	4143.0	3504.0	2851.2	2533.8	2678.2	3077.3	3376.6	3408.5
35°	5476.3	5400.9	5107.9	4476.3	3631.4	2957.3	2869.2	3225.9	3541.2	3577.2
37.5°	6194.9	6149.3	5967.7	5447.6	4557.0	3611.2	3196.2	3456.2	3780.0	3820.3
40°	6829.7	6808.4	6746.9	6404.0	5592.0	4466.8	3704.6	3812.9	4111.2	4158.9
42.5°	7328.6	7378.5	7413.5	7318.0	6658.8	5443.4	4388.2	4313.9	4572.9	4621.8
45°	7839.2	7856.1	7997.3	8135.3	7718.2	6464.5	5158.9	4900.9	5147.2	5207.7
47.5°	8167.2	8235.1	8483.5	8726.6	8608.7	7477.2	5986.8	5594.1	5812.8	5926.3
50°	8191.6	8320.0	8661.8	9085.4	9257.3	8441.0	6887.0	6383.8	6616.3	6741.6
52.5°	7785.0	7984.6	8514.3	9134.2	9607.6	9257.3	7817.9	7173.6	7471.9	7635.4
55°	5968.8	6229.9	7959.1	8868.8	9621.4	9876.2	8724.5	7996.3	8425.1	8609.8
57.5°	5200.3	5331.9	6257.5	8408.1	9365.6	10125.6	9543.9	8779.7	9462.2	9691.5
60°	4326.7	4499.7	5248.0	7654.5	9018.5	10150.0	10267.9	9790.2	10586.3	10844.3
62.5°	2940.3	3128.2	3872.3	6359.4	8544.0	10138.4	10861.2	10830.5	11835.7	12112.8
65°	1821.5	1939.4	2429.8	5192.8	7880.6	10151.1	11482.2	12093.6	13154.1	13435.4
67.5°	1439.4	1493.5	1749.3	3987.0	6737.3	9864.5	12102.1	13281.5	14395.0	14617.9
70°	967.0	999.9	1272.7	2672.9	5012.4	8541.9	12090.5	13878.0	15034.0	15145.5
72.5°	509.5	535.0	744.1	1237.7	3027.4	6071.8	10191.4	13164.7	14398.2	14230.4
75°	254.8	297.2	501.0	628.4	1292.9	3386.2	6328.7	10379.3	11332.6	10682.9
77.5°	193.2	233.5	414.0	414.0	450.1	1140.0	2680.3	5661.0	5221.5	4347.9
80°	123.1	159.2	362.0	313.1	187.9	289.8	698.5	1585.9	1109.3	843.9
82.5°	72.2	104.0	301.5	207.0	105.1	107.2	197.4	337.6	287.7	224.0
85°	28.7	67.9	207.0	81.7	41.4	26.5	59.4	72.2	59.4	44.6
87.5°	0.0	15.9	36.1	0.0	3.2	2.1	4.2	5.3	5.3	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948585
 CATALOG NUMBER: GALN-SB3C-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2621.9	0°	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9	2621.9
2624.0	2.5°	2633.6	2635.7	2642.1	2643.1	2628.3	2609.2	2601.7	2598.5	2585.8	2584.7
2641.0	5°	2665.4	2675.0	2665.4	2637.8	2572.0	2479.7	2409.6	2352.3	2300.3	2284.3
2699.4	7.5°	2729.1	2738.7	2710.0	2601.7	2436.1	2252.5	2086.9	1970.1	1865.1	1825.8
2770.5	10°	2820.4	2833.1	2742.9	2524.2	2231.3	1936.2	1655.9	1458.5	1304.6	1242.0
2867.1	12.5°	2935.0	2940.3	2761.0	2406.4	1964.8	1543.4	1146.4	935.2	798.2	747.3
2983.9	15°	3061.4	3053.9	2763.1	2246.1	1601.8	1091.2	748.4	614.6	559.4	542.4
3100.6	17.5°	3194.0	3163.3	2720.6	2014.7	1203.7	746.2	555.2	523.3	513.8	509.5
3216.3	20°	3324.6	3255.6	2643.1	1712.2	864.1	557.3	504.2	494.7	489.4	487.2
3333.1	22.5°	3443.5	3325.7	2510.4	1360.8	627.3	492.5	476.6	468.1	458.6	454.3
3446.7	25°	3559.2	3366.0	2323.6	1032.8	502.1	460.7	448.0	432.0	419.3	414.0
3568.8	27.5°	3671.7	3391.5	2090.1	764.3	448.0	431.0	407.6	385.3	375.8	373.6
3699.3	30°	3791.7	3400.0	1824.7	570.0	415.0	393.8	359.8	334.4	329.1	330.1
3875.5	32.5°	3938.2	3412.7	1557.2	467.1	387.4	349.2	308.9	282.4	278.1	282.4
4132.4	35°	4113.3	3438.2	1299.3	429.9	363.0	303.6	260.1	237.8	233.5	236.7
4461.5	37.5°	4351.1	3479.6	1058.3	422.5	342.9	265.4	218.7	200.6	200.6	201.7
4864.8	40°	4667.4	3590.0	842.8	417.2	332.2	236.7	184.7	177.3	180.5	182.6
5378.6	42.5°	5052.7	3824.6	697.4	410.8	320.6	224.0	167.7	164.5	169.8	172.0
5994.3	45°	5484.8	4121.8	646.5	400.2	310.0	232.5	160.3	156.0	162.4	163.5
6684.3	47.5°	5931.7	4412.6	640.1	388.5	299.3	245.2	158.2	148.6	156.0	157.1
7420.9	50°	6383.8	4602.7	646.5	370.5	282.4	245.2	159.2	141.2	147.5	150.7
8185.2	52.5°	6839.2	4689.7	642.2	331.2	252.6	230.3	159.2	134.8	141.2	143.3
9011.1	55°	7280.8	4672.7	577.5	272.8	214.4	203.8	155.0	129.5	133.7	134.8
9791.3	57.5°	7630.0	4436.0	457.5	212.3	174.1	169.8	141.2	123.1	126.3	125.3
10506.7	60°	7812.6	3915.9	326.9	163.5	136.9	133.7	124.2	114.6	116.8	111.5
11112.8	62.5°	7814.7	3228.0	218.7	129.5	109.3	106.1	106.1	103.0	100.8	90.2
11582.0	65°	7648.1	2464.8	145.4	103.0	88.1	82.8	89.2	88.1	80.7	65.8
11725.3	67.5°	7270.2	1615.6	110.4	80.7	67.9	64.8	71.1	74.3	69.0	55.2
11203.1	70°	6493.2	940.5	91.3	62.6	51.0	47.8	57.3	63.7	57.3	44.6
9575.8	72.5°	5393.5	507.4	74.3	46.7	35.0	31.8	45.6	52.0	45.6	32.9
6144.0	75°	3499.8	271.7	57.3	30.8	18.0	20.2	34.0	38.2	31.8	21.2
1803.5	77.5°	1175.1	119.9	36.1	14.9	8.5	8.5	20.2	23.4	14.9	7.4
328.0	80°	262.2	49.9	14.9	6.4	3.2	3.2	4.2	4.2	2.1	0.0
100.8	82.5°	86.0	20.2	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
25.5	85°	32.9	7.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.5	87.5°	12.7	1.1	0.0	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°
2621.9
2586.9
2274.8
1809.9
1215.4
731.4
542.4
508.5
485.1
453.3
411.9
371.5
330.1
281.3
235.7
200.6
182.6
172.0
164.5
158.2
151.8
143.3
134.8
125.3
110.4
87.0
63.7
54.1
42.5
31.8
19.1
6.4
0.0
0.0
0.0
0.0
0.0

F REPORT)