

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: P942404

Luminaire Tested: **GALN-SB6B-927-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15178 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

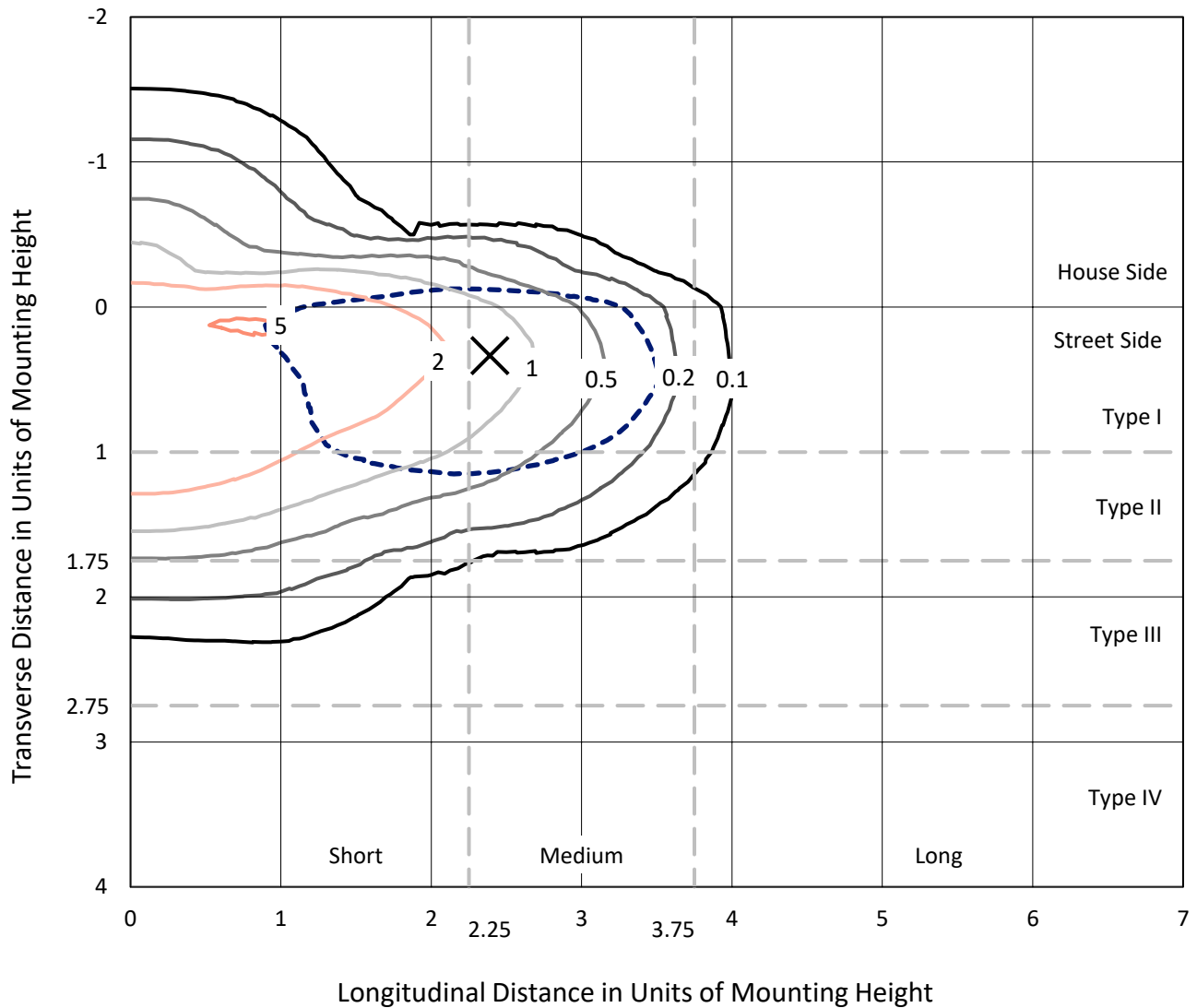
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942404
 CATALOG NUMBER: GALN-SB6B-927-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

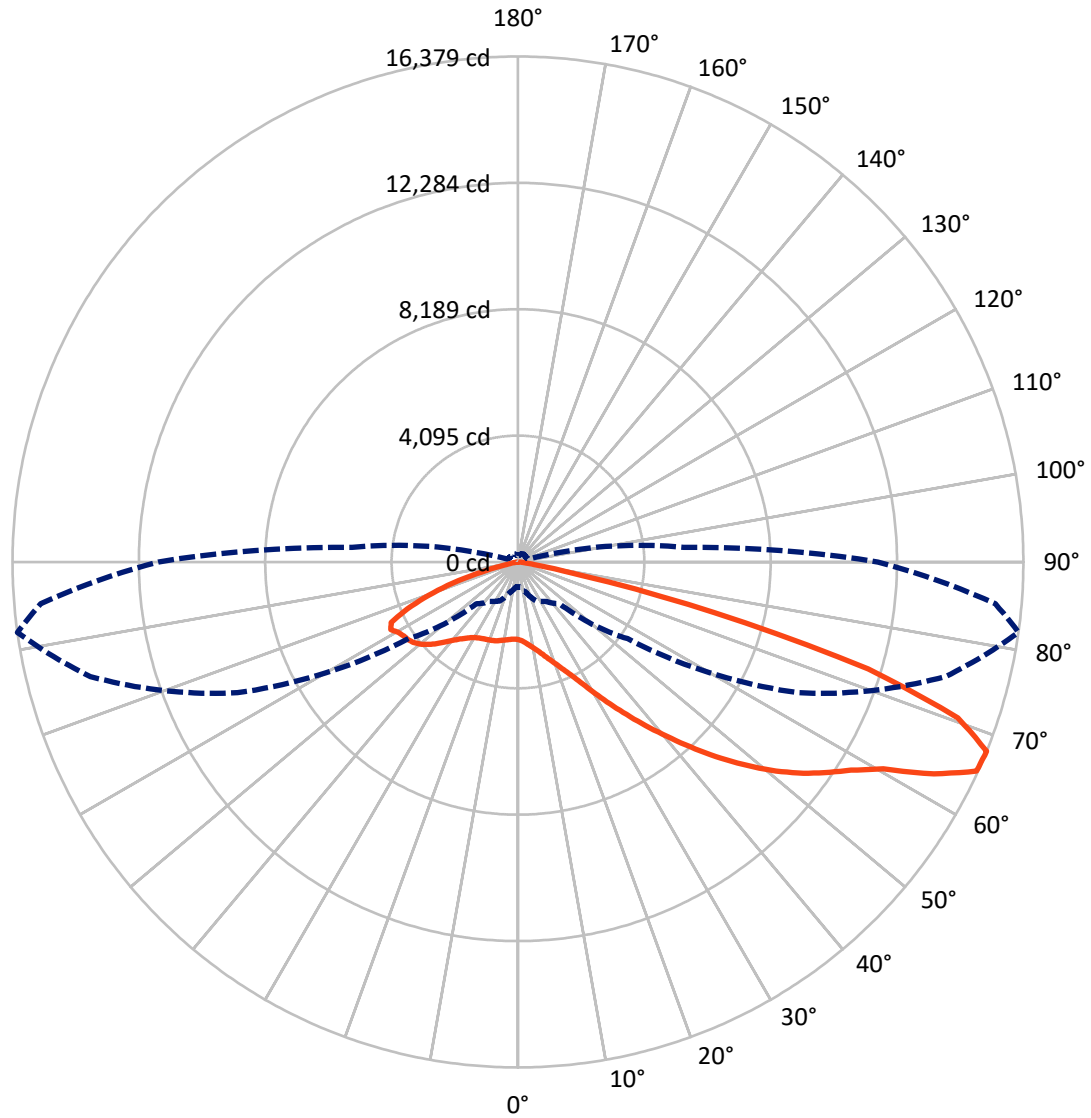
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P942404
CATALOG NUMBER: GALN-SB6B-927-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P942404

CATALOG NUMBER: GALN-SB6B-927-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2749.4	0.0	2749.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	12428.6	0.0	12428.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	15178.0	0.0	15178.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	1.5
10°-20°	582.1	3.8
20°-30°	932.4	6.1
30°-40°	1648.8	10.9
40°-50°	2888.8	19.0
50°-60°	3852.9	25.4
60°-70°	3586.8	23.6
70°-80°	1376.6	9.1
80°-90°	85.5	0.6
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°	15178.0	100.0
0°-180°	15178.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942404

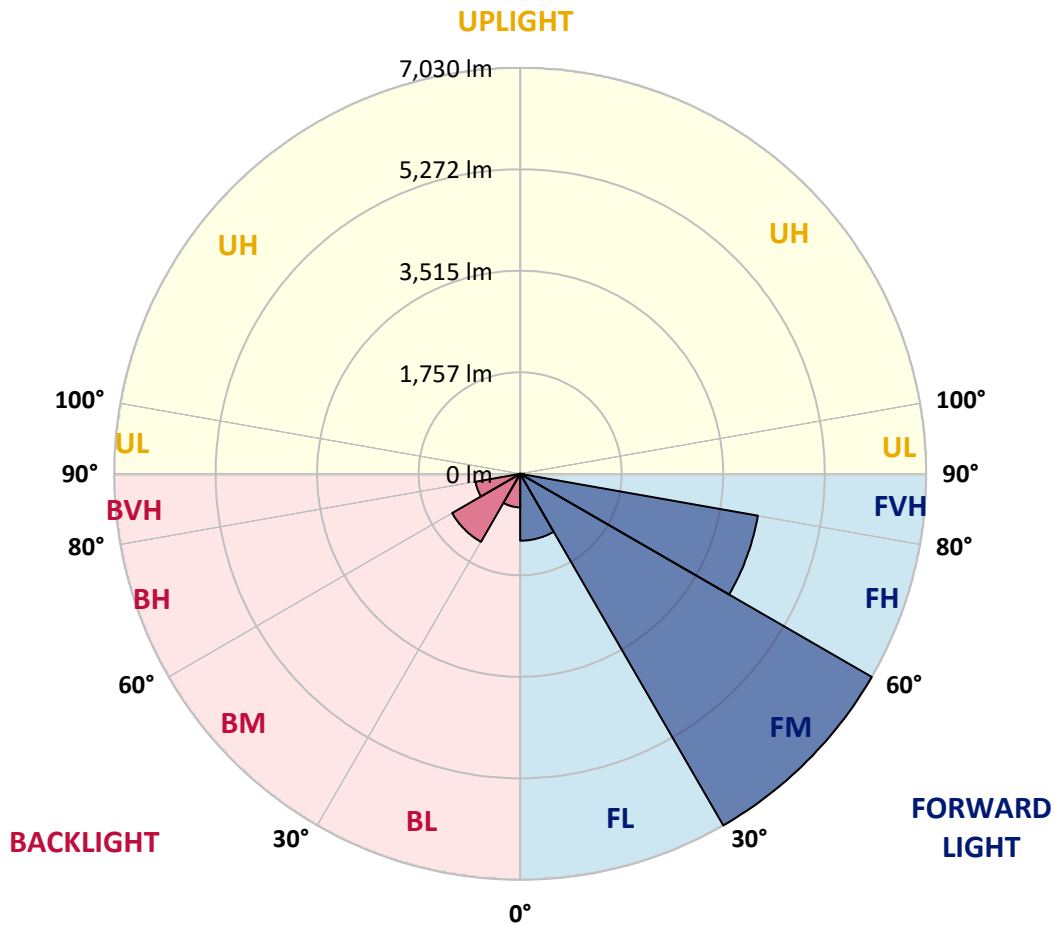
CATALOG NUMBER: GALN-SB6B-927-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.9	7.6			
FM (30°-60°)	7029.8	46.3			
FH (60°-80°)	4178.7	27.5			G2/5000
FVH (80°-90°)	62.2	0.4			G1/100
BL (0°-30°)	580.7	3.8	B2/1000		
BM (30°-60°)	1360.6	9.0	B2/2500		
BH (60°-80°)	784.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	23.3	0.2			G1/100
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 Medium



REPORT NUMBER: P942404

CATALOG NUMBER: GALN-SB6B-927-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5
2.5°	2657.6	2672.9	2664.2	2659.8	2652.2	2641.2	2632.5	2605.2	2576.8	2558.2
5°	2711.2	2726.5	2725.4	2729.8	2735.2	2738.5	2736.3	2705.7	2665.3	2633.6
7.5°	2665.3	2682.8	2697.0	2718.8	2757.1	2797.5	2817.2	2810.6	2769.1	2725.4
10°	2535.2	2553.8	2587.7	2639.1	2719.9	2807.3	2880.6	2914.4	2888.2	2840.1
12.5°	2297.0	2315.6	2382.3	2493.7	2629.2	2781.1	2921.0	3011.7	3018.3	2970.2
15°	2029.3	2047.9	2118.9	2258.8	2465.3	2709.0	2942.8	3114.4	3172.3	3130.8
17.5°	1863.2	1879.6	1933.1	2045.7	2261.0	2564.7	2935.2	3223.7	3355.9	3323.1
20°	1812.9	1827.1	1852.3	1930.9	2110.2	2415.0	2884.9	3326.4	3553.7	3535.1
22.5°	1866.5	1879.6	1887.2	1922.2	2034.8	2316.7	2821.6	3431.3	3783.2	3785.4
25°	1989.9	2003.1	1994.3	2016.2	2065.3	2286.1	2797.5	3554.8	4071.7	4095.7
27.5°	2193.2	2194.3	2173.5	2172.4	2180.1	2332.0	2822.6	3687.0	4435.6	4480.4
30°	2600.8	2584.4	2504.6	2418.3	2379.0	2469.7	2892.6	3843.3	4865.0	4944.8
32.5°	3229.2	3205.1	3058.7	2852.1	2644.5	2691.5	3018.3	4021.4	5332.8	5477.0
35°	3911.1	3904.5	3751.5	3444.4	3081.6	3007.3	3222.6	4255.3	5843.1	6072.6
37.5°	4544.9	4541.6	4454.2	4092.5	3651.0	3447.7	3550.4	4561.3	6389.5	6721.7
40°	5124.0	5133.9	5046.4	4723.0	4278.2	4012.7	3996.3	4939.4	6997.1	7428.7
42.5°	5624.5	5635.5	5546.9	5307.6	4897.8	4637.7	4543.8	5402.7	7590.4	8188.2
45°	5964.4	6032.1	6019.0	5827.8	5533.8	5263.9	5201.6	5984.0	8266.9	8993.6
47.5°	6060.5	6122.8	6221.2	6247.4	6068.2	5802.6	5877.0	6684.5	8950.9	9800.0
50°	5823.4	5881.3	6085.7	6357.8	6482.4	6400.4	6533.7	7435.3	9651.4	10604.3
52.5°	5355.7	5414.7	5672.6	6103.2	6611.3	6869.2	7192.7	8175.1	10330.0	11366.0
55°	4679.3	4741.6	5072.7	5560.1	6365.4	7062.6	7742.3	8913.8	10951.8	12051.1
57.5°	3759.2	3805.1	4149.3	4831.2	5746.9	6870.3	8147.7	9720.3	11537.5	12724.3
60°	2450.0	2490.4	2890.4	3651.0	4721.9	6227.7	8228.6	10619.6	12315.6	13599.6
62.5°	1629.3	1656.7	1893.8	2452.2	3325.3	4994.0	7755.4	11337.6	13456.5	15122.9
65°	1117.9	1145.2	1382.4	1771.4	2148.4	3303.5	6394.9	11242.5	14490.2	16332.7
67.5°	797.7	820.7	1021.7	1388.9	1555.0	1918.9	4335.0	10027.3	14341.6	16378.5
70°	571.5	584.6	750.7	1081.8	1235.9	1152.9	2410.7	7669.1	12557.1	15124.0
72.5°	400.0	404.3	521.3	824.0	995.5	841.4	1147.4	5113.1	9497.3	11870.8
75°	271.0	276.5	350.8	604.3	798.8	642.6	607.6	2741.8	5575.4	6570.9
77.5°	166.1	168.3	226.2	413.1	597.7	489.6	391.2	1161.6	2157.1	2117.8
80°	94.0	94.0	144.2	256.8	407.6	315.8	274.3	493.9	683.0	599.9
82.5°	52.5	53.5	104.9	159.5	269.9	186.9	150.8	228.4	295.0	261.2
85°	21.9	24.0	64.5	75.4	128.9	92.9	61.2	96.2	109.3	97.3
87.5°	2.2	3.3	19.7	14.2	15.3	18.6	8.7	18.6	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942404
 CATALOG NUMBER: GALN-SB6B-927-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2514.5	0°	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5	2514.5
2551.6	2.5°	2530.9	2514.5	2473.0	2424.9	2361.5	2330.9	2289.4	2261.0	2236.9	2239.1
2615.0	5°	2580.0	2538.5	2445.6	2329.8	2185.6	2082.8	1973.6	1898.2	1837.0	1823.8
2702.4	7.5°	2647.8	2582.2	2419.4	2210.7	1967.0	1782.3	1617.3	1511.3	1435.9	1411.9
2808.4	10°	2735.2	2640.2	2385.5	2061.0	1710.2	1475.2	1298.2	1215.2	1163.8	1146.3
2933.0	12.5°	2836.9	2706.8	2340.7	1878.5	1445.7	1219.5	1107.0	1065.5	1049.1	1043.6
3086.0	15°	2964.7	2789.9	2273.0	1662.1	1221.7	1063.3	1015.2	1009.7	1011.9	1009.7
3269.6	17.5°	3116.6	2880.6	2162.6	1439.2	1070.9	983.5	966.0	970.4	975.9	974.8
3475.0	20°	3282.7	2970.2	2021.6	1241.4	968.2	926.7	916.8	921.2	925.6	923.4
3712.2	22.5°	3471.8	3066.3	1865.4	1087.3	899.4	874.2	863.3	864.4	864.4	860.0
4012.7	25°	3698.0	3172.3	1701.5	978.0	846.9	827.2	814.1	809.7	803.2	790.1
4377.7	27.5°	3967.9	3284.9	1544.1	901.5	805.4	786.8	771.5	760.6	744.2	722.3
4815.9	30°	4271.7	3421.5	1410.8	853.5	772.6	754.0	736.5	720.1	696.1	668.8
5319.6	32.5°	4629.0	3567.9	1313.5	821.8	743.1	723.4	702.7	683.0	656.8	629.4
5885.7	35°	5055.2	3744.9	1256.7	799.9	720.1	693.9	671.0	649.1	629.4	605.4
6500.9	37.5°	5517.4	3932.9	1239.2	789.0	704.8	664.4	638.2	622.9	620.7	606.5
7166.4	40°	6023.4	4155.8	1252.3	782.4	688.4	636.0	607.6	604.3	609.8	584.6
7877.8	42.5°	6558.9	4420.3	1274.2	774.8	665.5	607.6	580.3	580.3	575.9	540.9
8629.7	45°	7138.0	4725.2	1296.0	756.2	638.2	579.2	558.4	550.8	532.2	498.3
9385.9	47.5°	7721.6	5035.5	1312.4	722.3	605.4	555.1	536.6	519.1	491.7	461.2
10127.9	50°	8275.6	5314.2	1294.9	672.1	568.2	532.2	512.5	488.5	459.0	438.2
10830.5	52.5°	8770.6	5555.7	1220.6	613.0	528.9	508.1	490.7	465.5	441.5	419.6
11464.3	55°	9201.2	5751.3	1089.5	557.3	493.9	487.4	469.9	438.2	405.4	386.8
12092.7	57.5°	9614.3	5899.9	925.6	511.4	462.2	464.4	438.2	409.8	379.2	359.5
12939.6	60°	10163.9	6098.8	759.5	468.8	428.4	434.9	406.5	385.8	347.5	322.4
14391.9	62.5°	11042.5	6408.0	603.2	416.3	389.0	391.2	379.2	354.1	308.2	278.7
15468.3	65°	11739.7	6294.4	475.4	359.5	344.2	347.5	347.5	320.2	271.0	237.1
15526.2	67.5°	11661.0	5389.6	379.2	303.8	301.6	303.8	311.4	288.5	240.4	213.1
14343.8	70°	10742.0	4287.0	303.8	252.4	262.3	256.8	278.7	263.4	216.4	189.1
11120.1	72.5°	8765.2	3088.2	231.7	208.7	201.1	209.8	251.3	237.1	180.3	149.7
5890.1	75°	5121.8	1647.9	172.7	165.0	145.3	174.8	222.9	202.2	137.7	110.4
1805.3	77.5°	1667.6	574.8	126.8	121.3	108.2	141.0	190.1	170.5	112.6	87.4
528.9	80°	446.9	173.8	86.3	79.8	69.9	104.9	150.8	135.5	80.9	56.8
227.3	82.5°	179.2	73.2	50.3	44.8	38.2	72.1	119.1	109.3	60.1	36.1
71.0	85°	57.9	24.0	18.6	14.2	17.5	44.8	71.0	74.3	42.6	18.6
10.9	87.5°	7.6	3.3	3.3	4.4	3.3	7.6	21.9	20.8	12.0	2.2
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°
2514.5
2217.2
1794.3
1387.8
1133.2
1040.3
1008.6
972.6
922.3
857.8
787.9
720.1
666.6
630.5
603.2
605.4
585.7
540.9
497.2
460.1
434.9
417.4
384.7
357.3
319.1
276.5
233.9
208.7
185.8
146.4
107.1
84.1
55.7
36.1
14.2
0.0
0.0

F REPORT)