

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: P948309

Luminaire Tested: **GALN-SB3B-927-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10475 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

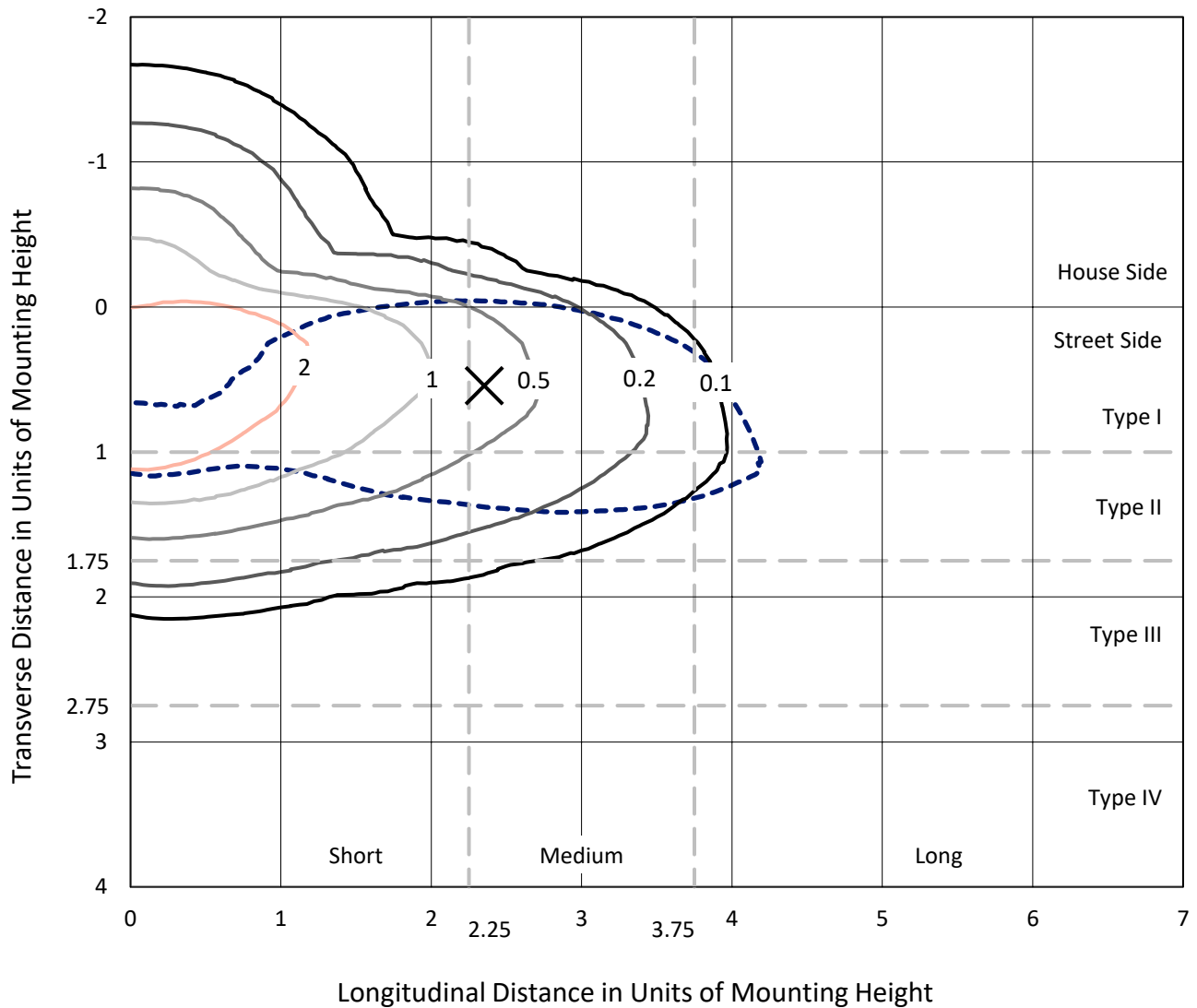
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948309
 CATALOG NUMBER: GALN-SB3B-927-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

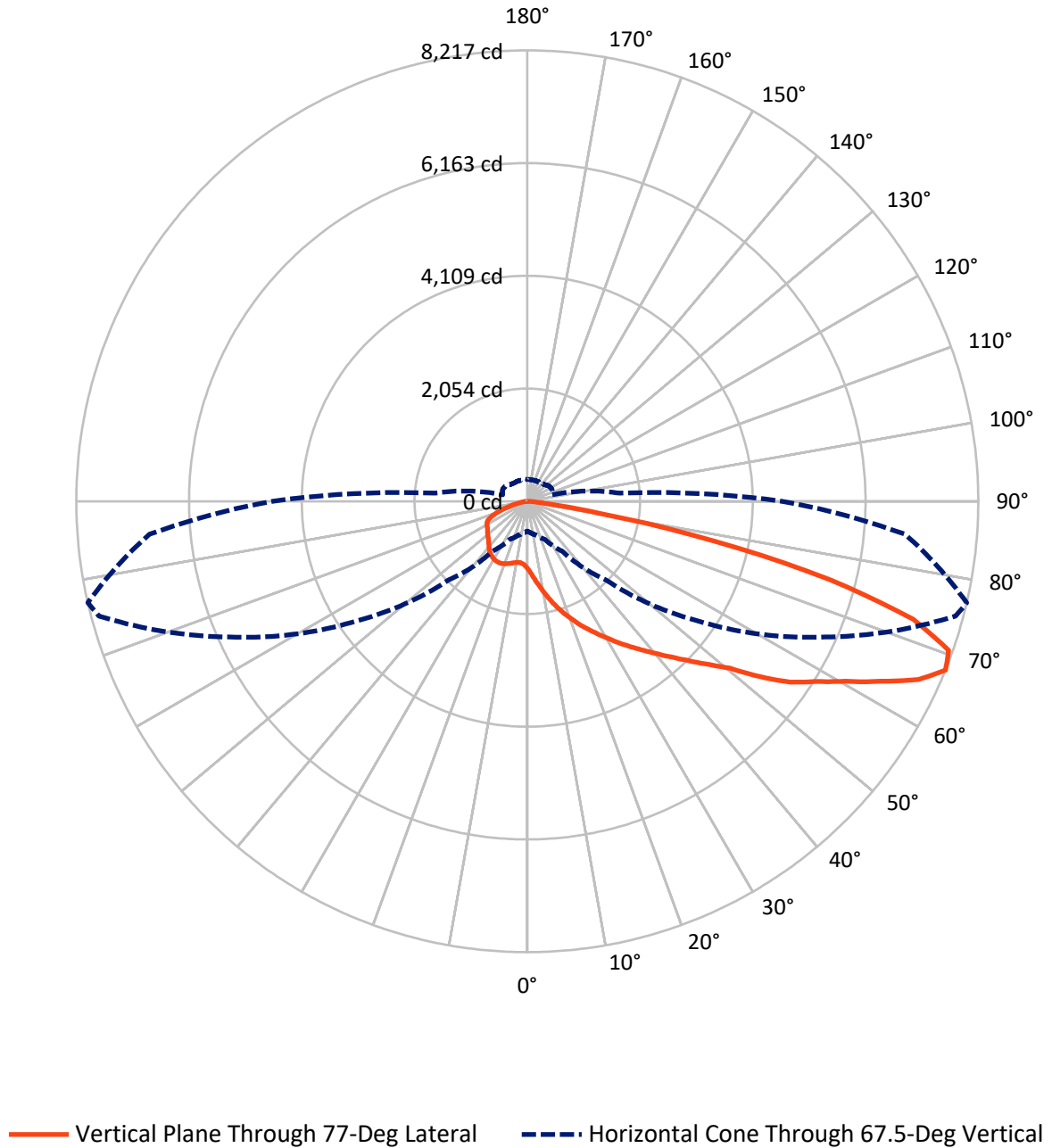
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P948309
CATALOG NUMBER: GALN-SB3B-927-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P948309

CATALOG NUMBER: GALN-SB3B-927-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1981.4	0.0	1981.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	8493.6	0.0	8493.6
	% Fixture	81.1	0.0	81.1
Total	Lumens	10475.0	0.0	10475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	1.3
10°-20°	473.3	4.5
20°-30°	893.6	8.5
30°-40°	1439.6	13.7
40°-50°	1969.1	18.8
50°-60°	2221.1	21.2
60°-70°	2073.1	19.8
70°-80°	1136.4	10.8
80°-90°	137.1	1.3
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°	10475.0	100.0
0°-180°	10475.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948309

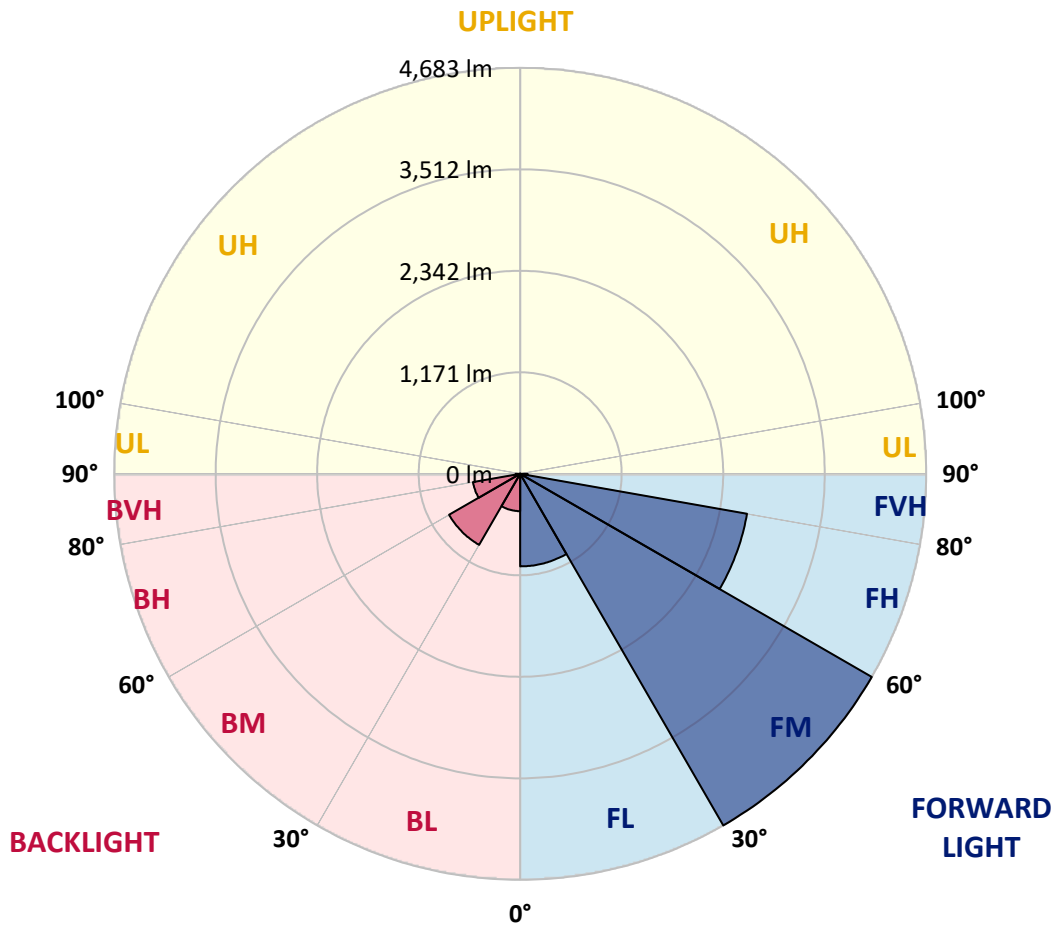
CATALOG NUMBER: GALN-SB3B-927-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1067.8	10.2			
FM (30°-60°)	4683.3	44.7			
FH (60°-80°)	2656.8	25.4			G2/5000
FVH (80°-90°)	85.7	0.8			G1/100
BL (0°-30°)	430.8	4.1	B1/500		
BM (30°-60°)	946.5	9.0	B1/1000		
BH (60°-80°)	552.8	5.3	B2/1000		G2/1000
BVH (80°-90°)	51.3	0.5			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: P948309
 CATALOG NUMBER: GALN-SB3B-927-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0
2.5°	1538.9	1549.7	1536.2	1536.2	1490.7	1467.0	1421.5	1386.9	1324.7	1313.9
5°	1819.0	1832.5	1813.6	1805.4	1751.9	1702.7	1626.5	1551.3	1440.5	1429.1
7.5°	2035.8	2053.1	2036.3	2027.7	1980.1	1924.9	1835.7	1730.8	1574.6	1552.4
10°	2212.6	2215.3	2209.9	2213.1	2175.8	2130.4	2039.0	1916.8	1721.6	1691.4
12.5°	2312.6	2325.1	2335.9	2355.4	2348.9	2320.7	2238.6	2092.6	1877.4	1838.4
15°	2359.7	2381.3	2405.6	2450.5	2486.7	2493.8	2431.1	2281.3	2035.8	1988.7
17.5°	2376.4	2397.0	2435.4	2500.3	2578.1	2630.6	2602.5	2464.6	2192.6	2138.5
20°	2461.3	2467.3	2490.5	2552.2	2636.5	2723.6	2744.7	2640.8	2347.8	2286.7
22.5°	2643.0	2631.1	2637.6	2665.7	2726.3	2810.6	2858.8	2796.6	2507.3	2437.0
25°	2943.1	2908.5	2873.9	2841.5	2872.3	2919.9	2974.5	2952.3	2674.4	2585.2
27.5°	3322.1	3280.0	3203.7	3097.2	3059.9	3076.7	3101.0	3096.7	2829.0	2738.7
30°	3695.2	3646.0	3555.2	3401.1	3302.7	3258.3	3240.0	3227.5	2997.2	2900.9
32.5°	3993.2	3954.2	3865.0	3692.5	3549.8	3474.1	3413.0	3368.6	3172.9	3076.7
35°	4253.8	4217.6	4115.4	3927.2	3772.0	3691.5	3611.4	3516.8	3355.7	3258.3
37.5°	4491.7	4455.5	4315.4	4119.7	3963.4	3907.7	3836.4	3675.8	3539.0	3447.1
40°	4642.0	4633.9	4503.1	4281.4	4119.2	4091.6	4067.8	3860.2	3742.3	3656.8
42.5°	4680.4	4698.3	4594.4	4412.2	4257.6	4235.4	4291.1	4068.9	3970.5	3888.8
45°	4588.0	4639.3	4571.2	4447.4	4356.0	4344.1	4489.0	4297.1	4223.0	4148.4
47.5°	4353.8	4440.9	4412.8	4395.5	4382.5	4433.9	4663.1	4539.3	4509.0	4444.1
50°	3881.2	4046.2	4095.4	4204.6	4330.0	4503.6	4821.5	4803.7	4843.2	4777.7
52.5°	3064.2	3291.3	3576.8	3850.4	4168.9	4480.4	4995.7	5183.3	5349.8	5314.1
55°	2529.5	2631.7	2851.2	3353.0	3856.4	4382.5	5074.1	5489.9	5852.7	5820.8
57.5°	2118.5	2209.9	2345.1	2764.1	3383.8	4160.3	5122.7	5677.0	6197.1	6193.9
60°	1677.8	1774.6	1913.0	2209.9	2831.7	3776.3	5111.9	5890.0	6636.7	6663.8
62.5°	1180.4	1286.9	1440.5	1717.3	2267.8	3278.9	4891.3	6044.1	7154.2	7227.7
65°	775.9	846.2	961.9	1200.9	1689.7	2639.2	4470.1	6064.1	7707.9	7832.2
67.5°	544.0	571.0	639.1	768.9	1113.9	2023.9	3799.1	5857.0	8077.2	8217.2
70°	424.5	438.0	472.6	524.5	699.7	1361.0	2911.2	5318.5	7998.2	8144.2
72.5°	366.6	379.6	392.6	399.0	469.3	840.3	1972.0	4446.8	7254.8	7353.7
75°	332.5	335.8	346.6	344.4	358.0	545.0	1138.2	3240.0	5724.0	5689.9
77.5°	279.5	283.9	301.7	299.0	317.9	372.6	591.0	2090.9	3710.9	3479.5
80°	236.8	239.0	258.5	255.2	276.3	269.8	301.7	1065.7	1574.0	1333.4
82.5°	82.2	101.7	197.4	203.3	210.9	163.3	174.1	434.7	480.7	368.2
85°	40.0	42.7	100.6	142.7	142.2	82.2	84.9	155.2	151.4	119.0
87.5°	6.5	8.1	11.9	55.7	44.3	21.6	29.2	30.3	31.4	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948309
 CATALOG NUMBER: GALN-SB3B-927-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1229.0	0°	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0	1229.0
1272.8	2.5°	1242.6	1215.5	1158.8	1106.3	1065.2	1025.7	1003.6	984.6	973.8	971.7
1332.3	5°	1276.1	1220.4	1117.1	1030.1	973.3	931.1	908.9	894.9	887.9	883.5
1412.3	7.5°	1324.2	1242.6	1095.5	996.5	937.1	906.8	895.4	893.3	892.7	893.3
1509.1	10°	1390.7	1278.8	1093.3	988.4	938.7	921.9	921.4	921.9	924.1	924.6
1614.6	12.5°	1462.6	1316.1	1102.0	995.5	959.2	950.0	948.4	947.9	949.5	950.6
1721.1	15°	1541.0	1365.3	1116.6	1010.6	981.9	972.2	970.6	967.3	966.8	966.3
1833.0	17.5°	1621.6	1414.0	1132.8	1026.8	996.5	983.0	977.1	969.5	963.6	961.9
1948.7	20°	1703.2	1462.1	1144.2	1034.9	997.6	978.7	966.8	953.8	943.5	937.6
2065.5	22.5°	1790.3	1512.4	1151.2	1032.8	987.9	961.9	940.3	925.2	909.5	899.2
2183.4	25°	1875.2	1556.2	1150.6	1021.4	969.0	936.0	908.4	888.9	867.3	856.5
2305.1	27.5°	1956.8	1595.6	1137.1	1001.4	941.9	905.2	872.2	848.9	827.8	817.6
2427.8	30°	2041.2	1628.6	1116.0	972.2	910.0	869.5	833.2	813.2	794.3	784.6
2557.6	32.5°	2125.0	1658.9	1086.3	936.0	873.3	834.3	798.6	780.3	768.9	768.9
2697.1	35°	2213.7	1680.0	1046.8	893.8	834.3	797.0	768.9	758.1	757.0	750.5
2844.7	37.5°	2307.2	1693.5	998.7	850.5	795.9	760.8	752.1	739.2	728.3	714.3
3006.9	40°	2405.6	1707.0	940.8	805.7	755.4	735.9	732.1	714.8	684.0	649.4
3190.8	42.5°	2525.1	1716.2	880.8	760.8	712.7	706.2	711.6	681.8	632.6	606.7
3412.4	45°	2663.6	1731.4	825.7	716.4	668.9	668.9	691.6	652.6	612.1	595.9
3665.5	47.5°	2843.1	1766.5	774.3	667.8	628.3	639.1	647.2	617.5	594.8	574.8
3973.7	50°	3102.6	1850.9	721.3	618.6	597.5	619.1	607.8	590.5	564.0	547.7
4463.6	52.5°	3424.9	1900.6	674.3	574.2	571.0	592.6	576.4	560.2	540.2	518.5
4835.1	55°	3644.4	1909.8	634.8	541.8	553.2	551.0	545.0	530.4	519.6	491.0
5201.7	57.5°	3889.9	1928.2	602.4	522.3	541.8	518.0	515.8	503.4	489.3	469.9
5648.8	60°	4183.5	1956.8	574.2	514.8	532.1	496.4	485.6	480.7	466.6	456.9
6186.8	62.5°	4503.6	1982.8	545.6	515.8	520.7	475.3	459.1	457.4	448.8	445.5
6691.9	65°	4722.1	1912.0	509.9	514.8	502.9	453.7	433.1	432.6	425.5	424.5
6910.9	67.5°	4645.8	1687.6	461.8	499.6	484.5	432.0	409.3	407.2	398.0	398.5
6682.1	70°	4264.1	1367.5	395.3	462.3	461.8	412.6	384.4	377.4	365.0	367.1
5810.0	72.5°	3548.2	1013.3	306.0	400.1	425.5	394.7	355.8	344.4	328.8	330.9
4288.9	75°	2562.4	688.9	222.8	304.4	370.4	373.6	327.7	308.2	289.3	292.5
2387.3	77.5°	1311.2	390.4	163.8	209.8	290.9	339.6	302.3	276.3	272.0	302.3
688.3	80°	427.7	195.7	113.5	147.1	190.9	277.9	264.9	235.2	234.1	241.2
144.4	82.5°	127.6	82.7	73.0	96.8	105.4	213.0	228.7	177.9	153.0	161.1
48.1	85°	43.8	40.0	41.6	48.1	50.3	124.9	160.1	117.9	111.4	122.7
10.8	87.5°	10.3	14.1	11.9	10.8	10.8	30.3	62.2	49.2	68.1	45.4
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>
1229.0
971.7
883.0
894.9
925.2
951.1
965.7
963.6
939.8
899.7
856.5
817.0
784.0
769.4
748.9
712.1
644.5
607.2
598.6
574.2
546.1
514.2
491.5
463.4
459.6
445.5
423.9
398.5
369.3
330.4
293.6
297.9
207.1
166.5
121.1
43.8
0.0

F REPORT)