

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: P942235

Luminaire Tested: **GALN-SB6A-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16406 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

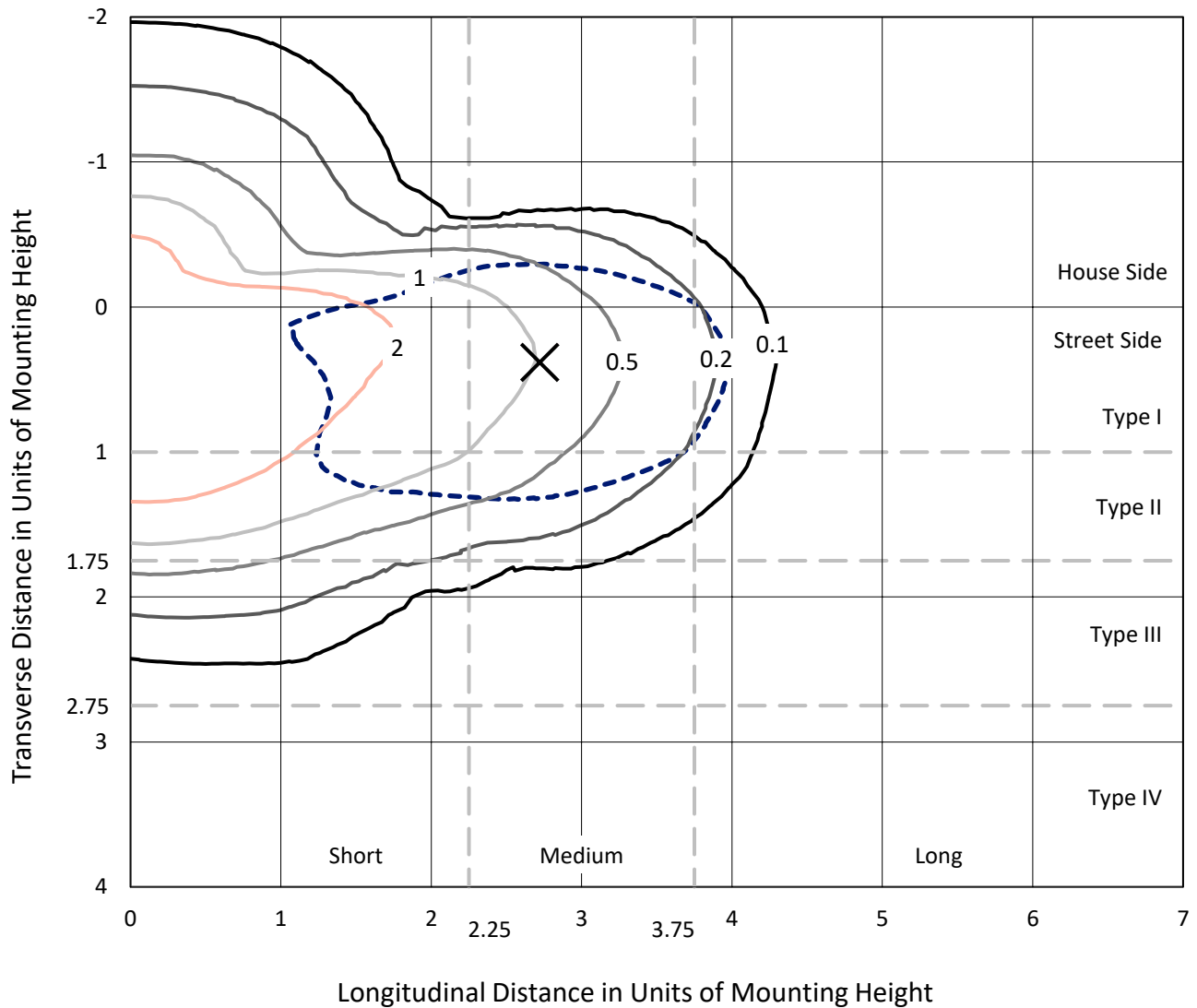
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942235
 CATALOG NUMBER: GALN-SB6A-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

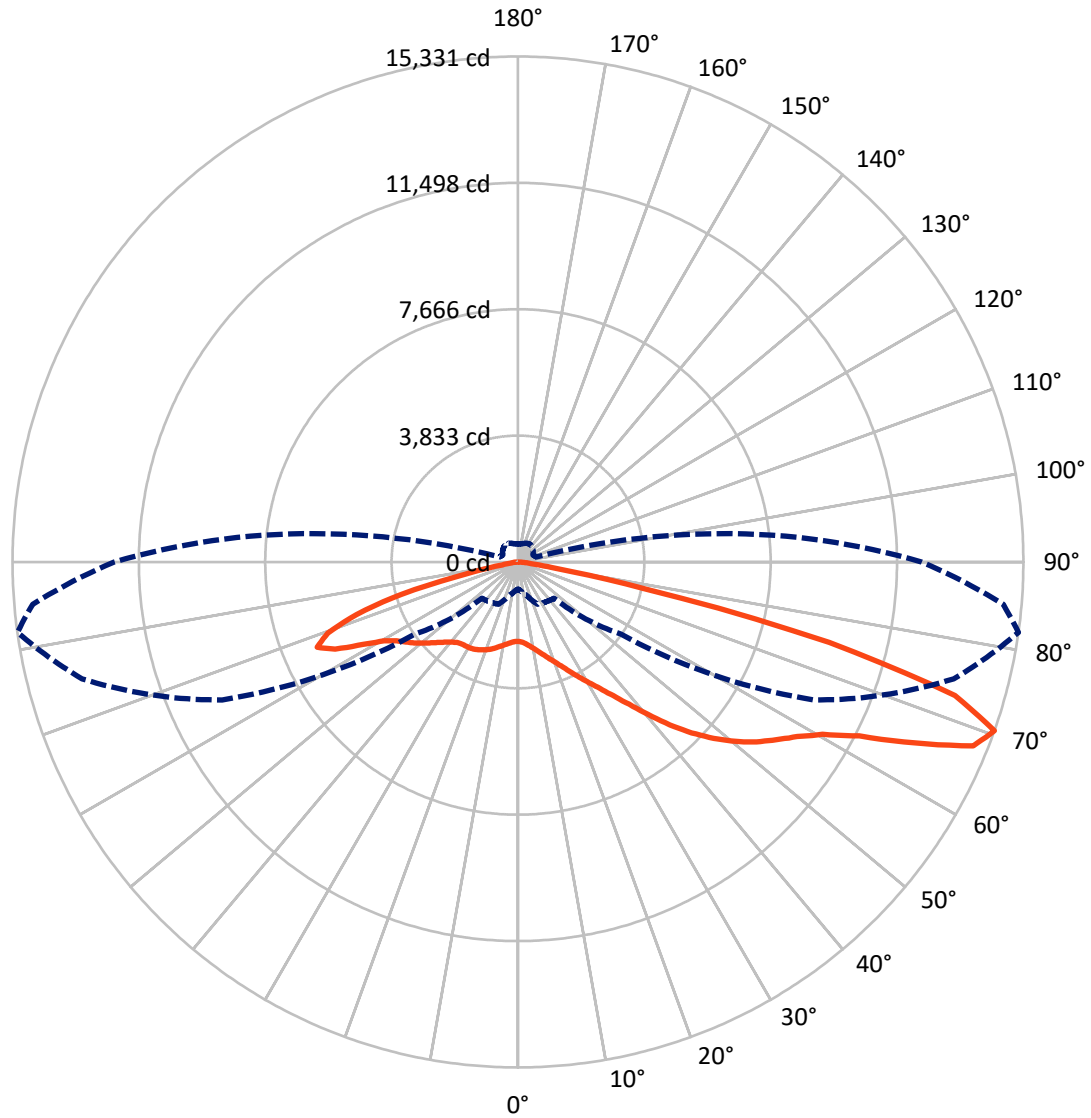
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P942235
CATALOG NUMBER: GALN-SB6A-927-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P942235
 CATALOG NUMBER: GALN-SB6A-927-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4044.5	0.0	4044.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12361.5	0.0	12361.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	16406.0	0.0	16406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	1.4
10°-20°	652.5	4.0
20°-30°	1091.5	6.7
30°-40°	1705.3	10.4
40°-50°	2715.8	16.6
50°-60°	3779.4	23.0
60°-70°	3953.5	24.1
70°-80°	2066.3	12.6
80°-90°	214.6	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°	16406.0	100.0
0°-180°	16406.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942235

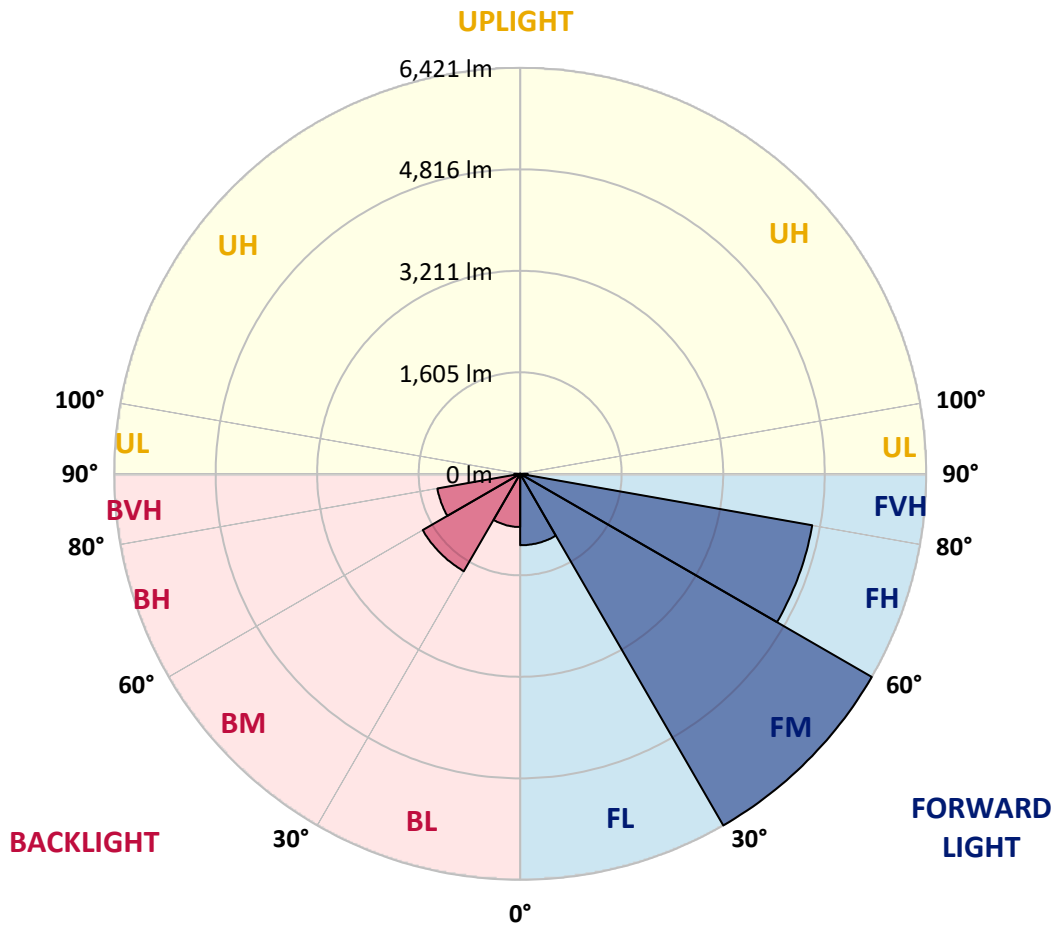
CATALOG NUMBER: GALN-SB6A-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1129.7	6.9			
FM (30°-60°)	6421.1	39.1			
FH (60°-80°)	4690.5	28.6			G2/5000
FVH (80°-90°)	120.1	0.7			G2/225
BL (0°-30°)	841.4	5.1	B2/1000		
BM (30°-60°)	1779.4	10.8	B2/2500		
BH (60°-80°)	1329.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	94.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P942235

CATALOG NUMBER: GALN-SB6A-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3
2.5°	2462.8	2476.7	2472.4	2468.0	2468.0	2461.9	2461.0	2452.3	2445.4	2434.1
5°	2494.1	2508.9	2507.2	2510.7	2522.0	2524.6	2527.2	2522.0	2508.0	2494.1
7.5°	2466.3	2482.8	2488.0	2508.9	2543.7	2575.1	2598.6	2608.2	2595.1	2575.1
10°	2372.2	2390.5	2408.8	2458.4	2520.2	2594.2	2656.9	2694.3	2691.7	2672.6
12.5°	2181.6	2200.7	2239.9	2336.6	2449.7	2580.3	2697.0	2775.3	2802.3	2788.4
15°	2029.2	2045.8	2075.4	2174.6	2321.8	2520.2	2711.8	2864.1	2932.9	2925.0
17.5°	2024.9	2031.9	2050.1	2097.2	2210.3	2426.2	2696.1	2951.2	3082.6	3081.7
20°	2101.5	2104.1	2114.6	2124.1	2188.6	2354.8	2656.0	3023.4	3250.6	3250.6
22.5°	2207.7	2206.0	2216.4	2207.7	2239.1	2348.7	2630.8	3087.0	3437.8	3451.7
25°	2367.0	2358.3	2355.7	2335.7	2341.8	2405.3	2658.7	3159.2	3659.8	3688.5
27.5°	2579.4	2565.5	2555.9	2509.8	2494.1	2522.0	2744.0	3246.3	3907.0	3956.6
30°	2856.3	2831.0	2817.1	2737.0	2680.4	2684.8	2872.8	3362.1	4165.6	4245.7
32.5°	3234.1	3194.9	3157.5	3026.0	2922.4	2888.5	3039.1	3522.2	4445.9	4573.9
35°	3657.2	3625.8	3585.8	3383.0	3223.6	3145.3	3263.7	3746.0	4774.1	4976.9
37.5°	4064.6	4037.6	4056.8	3783.4	3578.0	3463.9	3557.9	4046.3	5178.9	5478.4
40°	4485.9	4465.0	4467.7	4206.5	3967.1	3839.1	3914.9	4423.3	5642.9	6074.7
42.5°	4943.8	4928.2	4875.9	4644.4	4375.4	4256.1	4325.8	4858.5	6140.8	6753.7
45°	5456.6	5447.0	5398.3	5132.8	4824.6	4690.5	4784.5	5339.1	6641.4	7392.7
47.5°	5899.7	5907.5	5901.4	5677.7	5358.2	5161.5	5273.8	5840.5	7107.2	7993.4
50°	6113.0	6153.9	6214.0	6144.3	5945.8	5745.6	5767.4	6324.5	7551.1	8556.6
52.5°	6001.6	6079.0	6242.7	6354.1	6430.7	6389.0	6330.6	6805.1	7969.0	9065.0
55°	5586.3	5695.1	5966.7	6235.7	6626.6	6930.4	7007.0	7337.9	8376.4	9512.5
57.5°	4829.8	5006.5	5250.3	5794.4	6452.5	7192.5	7795.8	8076.9	8808.2	9990.4
60°	3532.7	3769.5	4072.4	4882.0	5843.1	7052.3	8467.0	9212.1	9421.9	10609.4
62.5°	2260.8	2407.1	2685.6	3448.2	4553.0	6334.1	8672.4	10631.1	10462.2	11624.4
65°	1547.8	1641.9	1896.9	2325.2	2943.3	4714.9	8122.2	11694.9	12114.5	13233.2
67.5°	1124.7	1196.1	1413.8	1789.0	1917.8	2790.1	6302.8	11646.2	13720.7	14890.7
70°	820.1	870.5	1053.4	1413.8	1475.6	1552.2	3818.2	9899.9	13685.9	15331.2
72.5°	607.6	642.5	765.2	1096.9	1194.4	1048.1	1890.0	7195.1	11760.2	13867.0
75°	439.6	465.7	556.3	839.2	955.9	798.3	942.8	4204.7	8203.2	9754.5
77.5°	336.0	356.1	415.3	614.6	765.2	598.9	585.0	1934.4	3889.6	3908.8
80°	269.9	282.9	315.1	432.7	586.7	448.3	381.3	780.9	1229.2	1040.3
82.5°	198.5	220.2	266.4	303.8	419.6	309.0	232.4	394.4	467.5	402.2
85°	113.2	128.0	161.1	217.6	268.1	188.9	133.2	175.0	217.6	178.5
87.5°	40.0	52.2	56.6	85.3	116.7	78.3	51.4	50.5	71.4	53.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942235
 CATALOG NUMBER: GALN-SB6A-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2405.3	0°	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3	2405.3
2431.4	2.5°	2422.7	2418.4	2401.0	2377.5	2353.1	2329.6	2321.8	2305.2	2293.9	2287.8
2488.0	5°	2471.5	2457.6	2416.6	2364.4	2309.6	2250.4	2208.6	2170.3	2142.4	2116.3
2565.5	7.5°	2541.1	2516.8	2446.2	2354.8	2257.3	2159.0	2085.8	2030.1	1992.7	1968.3
2656.0	10°	2622.1	2584.7	2476.7	2340.0	2189.4	2048.4	1962.2	1914.3	1890.8	1877.8
2759.6	12.5°	2715.2	2662.1	2508.0	2306.1	2085.8	1924.8	1865.6	1851.7	1852.5	1853.4
2890.2	15°	2830.2	2756.2	2533.3	2232.1	1950.9	1829.9	1819.4	1842.1	1865.6	1876.9
3038.2	17.5°	2959.9	2855.4	2537.6	2110.2	1818.6	1769.0	1802.0	1850.8	1886.5	1902.1
3203.6	20°	3099.2	2956.4	2506.3	1937.8	1709.8	1719.3	1778.5	1841.2	1880.4	1900.4
3392.5	22.5°	3258.5	3064.3	2431.4	1756.8	1621.0	1665.4	1735.0	1795.9	1836.9	1856.9
3614.5	25°	3440.4	3185.3	2313.9	1604.4	1544.4	1604.4	1674.1	1724.6	1757.6	1775.9
3862.6	27.5°	3642.4	3311.6	2157.2	1483.4	1477.3	1541.7	1599.2	1638.4	1655.8	1669.7
4126.4	30°	3845.2	3426.5	1967.4	1392.0	1419.0	1479.9	1520.8	1538.3	1543.5	1546.1
4420.6	32.5°	4064.6	3525.7	1768.1	1316.3	1363.3	1419.9	1444.2	1452.1	1427.7	1411.2
4777.6	35°	4330.1	3631.9	1573.1	1256.2	1308.4	1357.2	1365.0	1358.1	1329.3	1295.4
5225.0	37.5°	4658.3	3764.3	1417.3	1213.5	1257.1	1289.3	1279.7	1278.0	1280.6	1240.5
5763.0	40°	5060.5	3936.6	1303.2	1180.5	1215.3	1222.2	1195.3	1210.1	1223.1	1162.2
6353.3	42.5°	5507.1	4144.7	1231.0	1157.8	1180.5	1163.9	1122.1	1138.7	1136.9	1056.8
6946.1	45°	5962.4	4371.0	1205.7	1141.3	1148.3	1115.2	1069.0	1073.4	1036.8	964.6
7514.6	47.5°	6415.1	4613.9	1221.4	1127.4	1108.2	1070.8	1035.1	1015.9	962.0	908.0
8059.5	50°	6859.0	4869.0	1278.8	1099.5	1053.4	1031.6	1005.5	971.5	914.1	867.9
8574.9	52.5°	7270.8	5125.8	1343.3	1053.4	984.6	997.6	981.1	941.9	885.3	838.3
9062.4	55°	7660.8	5382.6	1368.5	989.8	920.2	968.0	958.5	886.2	818.3	780.0
9572.5	57.5°	8085.7	5691.6	1340.6	908.9	867.9	934.1	897.5	817.4	778.3	749.5
10236.8	60°	8674.1	6176.5	1280.6	808.7	818.3	883.6	820.9	787.8	745.2	713.0
11232.7	62.5°	9651.8	7081.0	1183.9	709.5	760.0	808.7	784.4	751.3	707.8	676.4
12935.5	65°	11096.9	8338.1	1002.0	632.0	694.7	735.6	745.2	712.1	666.8	633.8
14427.6	67.5°	12315.6	9126.8	758.2	567.6	627.7	676.4	703.4	671.2	623.3	591.1
14776.7	70°	12248.6	8554.0	578.9	504.0	568.5	618.1	652.9	627.7	576.3	545.8
13422.1	72.5°	10879.2	7155.9	468.4	439.6	508.4	557.2	598.9	579.8	527.6	498.0
9832.8	75°	7992.5	5079.6	374.3	374.3	433.5	493.6	539.7	527.6	479.7	458.8
4128.1	77.5°	3369.0	2131.1	293.4	310.8	360.4	424.0	481.4	485.8	444.0	470.1
1091.7	80°	895.8	587.6	223.7	244.6	282.9	350.0	418.7	417.0	371.7	347.3
405.7	82.5°	341.3	231.6	159.3	172.4	204.6	268.1	331.7	342.1	296.9	256.8
159.3	85°	131.5	99.2	98.4	103.6	119.3	177.6	250.7	259.4	223.7	189.8
44.4	87.5°	34.0	29.6	36.6	34.8	54.8	94.9	143.6	148.9	136.7	79.2
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

<u>180°</u>
2405.3
2294.8
2126.7
1973.5
1881.3
1855.1
1876.0
1905.6
1905.6
1862.1
1781.1
1674.9
1552.2
1416.4
1297.1
1243.1
1163.9
1056.0
967.2
908.0
864.5
839.2
776.5
746.9
711.2
676.4
635.5
592.0
548.4
498.0
452.7
426.6
323.0
256.8
195.9
113.2
0.0

F REPORT)