

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: P952300

Luminaire Tested: **GALN-SB6A-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-940-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15064 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

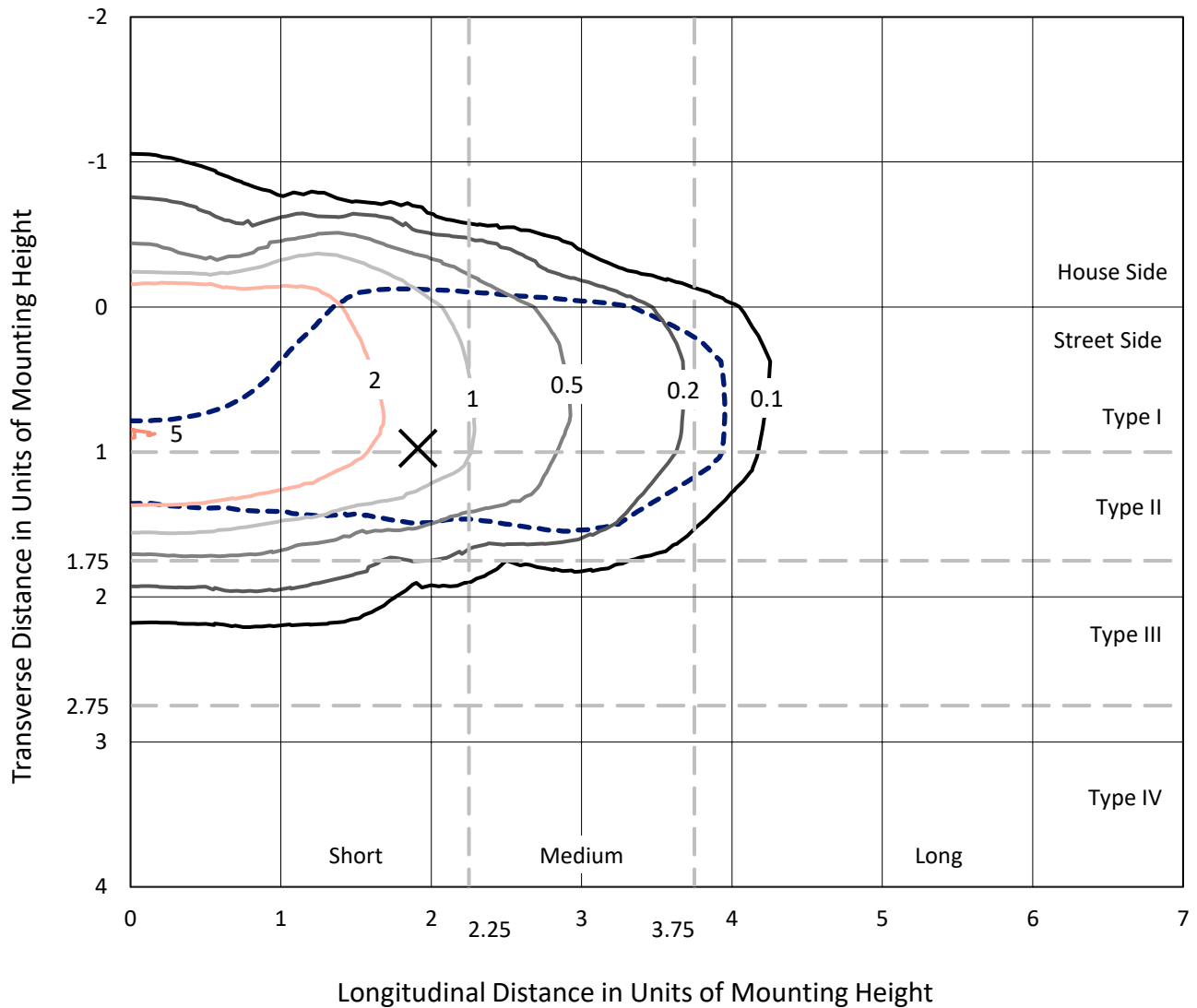
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952300
 CATALOG NUMBER: GALN-SB6A-940-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

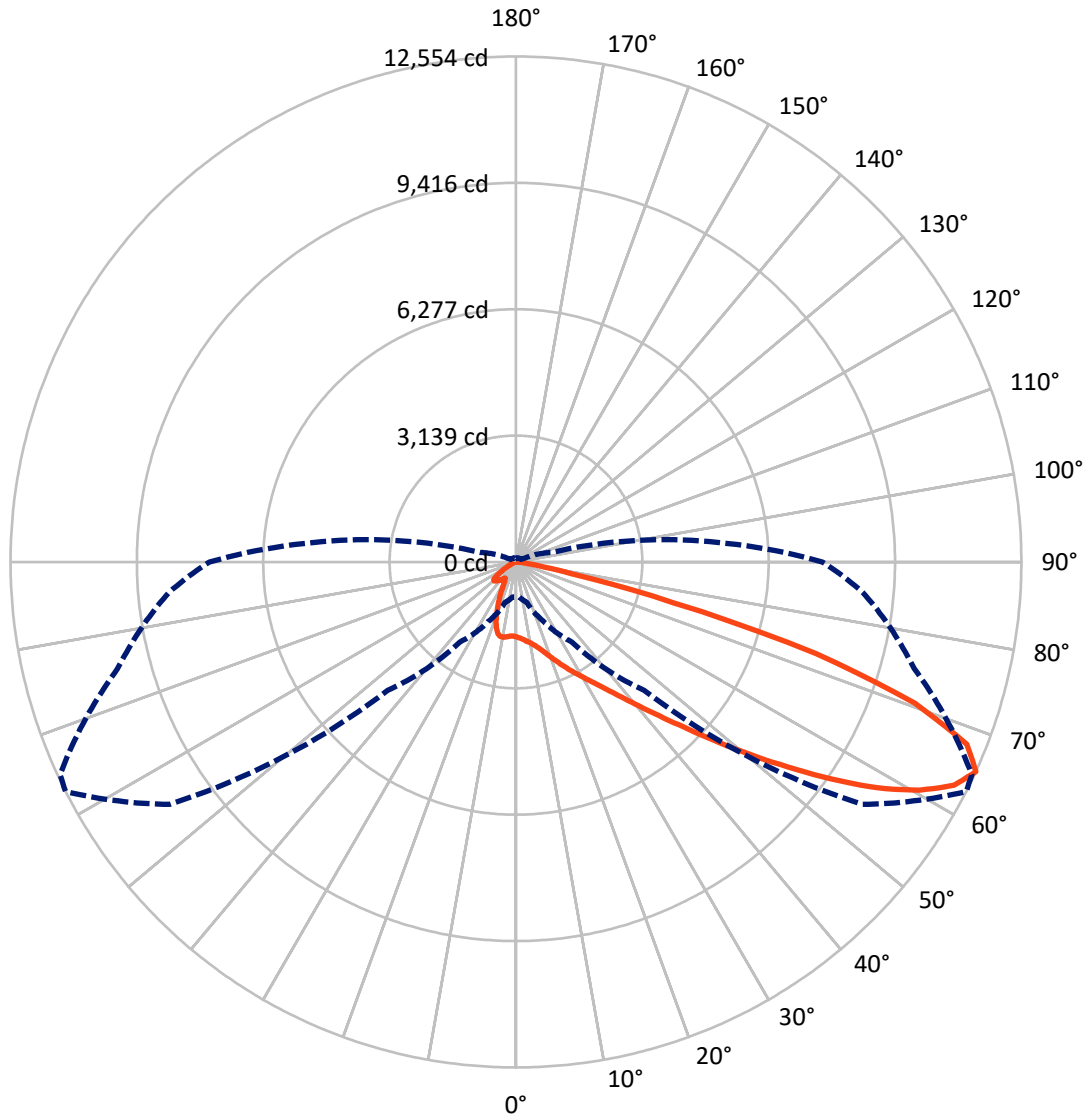
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

REPORT NUMBER: P952300
CATALOG NUMBER: GALN-SB6A-940-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P952300
 CATALOG NUMBER: GALN-SB6A-940-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2214.3	0.0	2214.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	12849.7	0.0	12849.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	15064.0	0.0	15064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	1.2
10°-20°	486.0	3.2
20°-30°	846.3	5.6
30°-40°	1525.4	10.1
40°-50°	3025.3	20.1
50°-60°	4121.0	27.4
60°-70°	3289.3	21.8
70°-80°	1488.5	9.9
80°-90°	107.0	0.7
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°	15064.0	100.0
0°-180°	15064.0	100.0

Coefficient of Utilization



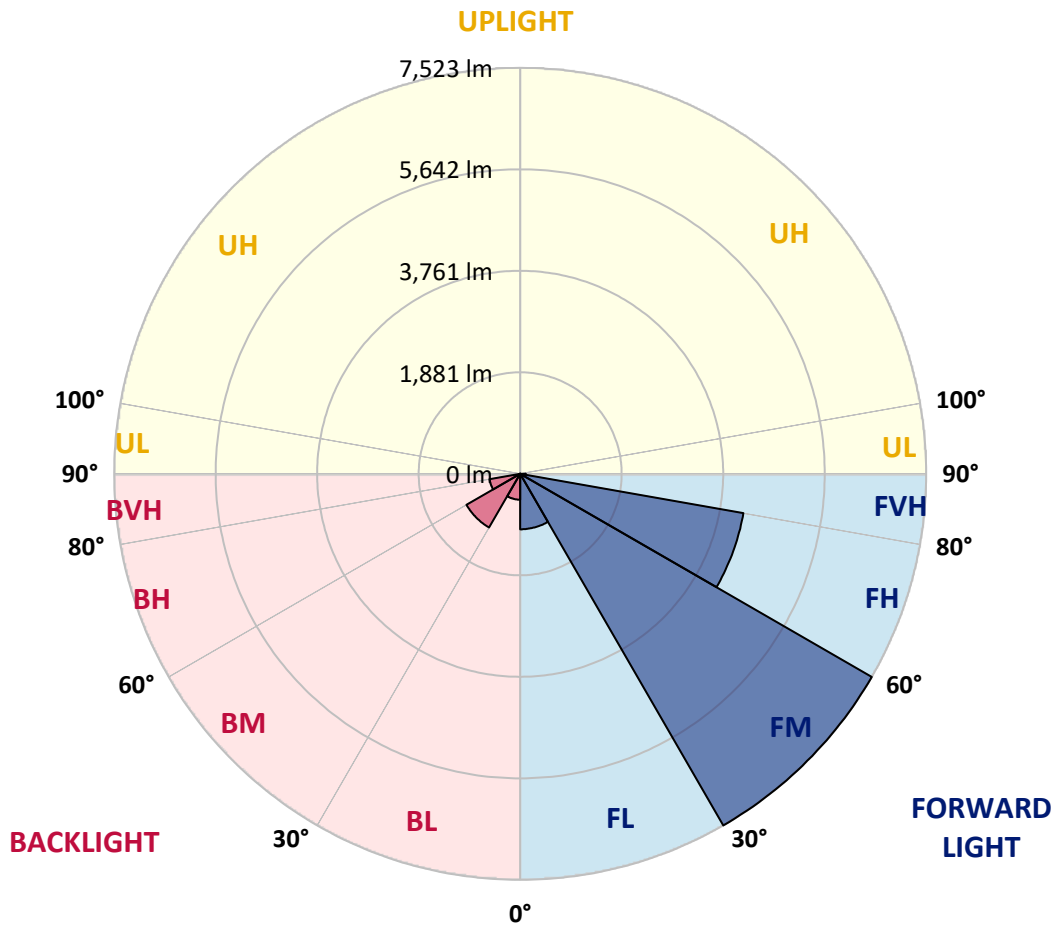
REPORT NUMBER: P952300
 CATALOG NUMBER: GALN-SB6A-940-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.3	6.8			
FM (30°-60°)	7522.6	49.9			
FH (60°-80°)	4199.8	27.9			G2/5000
FVH (80°-90°)	99.1	0.7			G1/100
BL (0°-30°)	479.2	3.2	B1/500		
BM (30°-60°)	1149.1	7.6	B2/2500		
BH (60°-80°)	578.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	7.9	0.1			G0/10
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 Short



REPORT NUMBER: P952300

CATALOG NUMBER: GALN-SB6A-940-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2
2.5°	1902.7	1897.5	1904.8	1901.7	1899.6	1895.5	1893.4	1891.3	1887.2	1884.1
5°	1907.9	1904.8	1912.0	1918.3	1924.5	1930.7	1933.8	1937.9	1933.8	1925.5
7.5°	1864.4	1862.3	1877.8	1896.5	1924.5	1948.3	1974.2	1988.7	1989.8	1986.7
10°	1861.3	1856.1	1871.6	1894.4	1930.7	1973.2	2018.8	2049.9	2054.0	2067.5
12.5°	1910.0	1904.8	1926.5	1951.4	1988.7	2033.3	2089.2	2132.8	2139.0	2157.6
15°	1991.8	1984.6	2009.5	2041.6	2089.2	2140.0	2199.1	2238.5	2243.7	2266.5
17.5°	2087.2	2079.9	2108.9	2143.1	2195.0	2264.4	2332.8	2376.3	2382.5	2397.0
20°	2209.5	2200.1	2222.9	2254.0	2309.0	2391.9	2473.7	2535.9	2534.9	2534.9
22.5°	2351.4	2336.9	2356.6	2381.5	2433.3	2533.8	2642.7	2716.2	2716.2	2687.2
25°	2503.8	2489.3	2511.0	2533.8	2579.4	2693.4	2820.9	2912.1	2916.2	2866.5
27.5°	2694.5	2675.8	2692.4	2719.3	2746.3	2862.4	3013.7	3119.4	3121.4	3044.7
30°	3061.3	3008.5	2956.7	2927.6	2940.1	3055.1	3216.8	3333.9	3344.2	3238.5
32.5°	3732.9	3722.5	3540.1	3301.8	3177.4	3262.4	3443.7	3584.7	3590.9	3455.1
35°	4776.5	4764.0	4470.7	4016.8	3611.6	3540.1	3719.4	3886.3	3882.1	3728.7
37.5°	6022.1	6010.7	5624.2	5016.9	4360.9	3959.8	4074.9	4250.0	4275.9	4074.9
40°	7086.4	7044.0	6799.4	6213.9	5355.8	4656.2	4580.6	4696.7	4723.6	4485.3
42.5°	7892.7	7856.4	7732.1	7366.3	6560.0	5686.4	5176.5	5221.0	5251.1	4965.1
45°	8310.4	8302.1	8351.8	8317.6	7787.0	6950.7	6028.4	5842.8	5854.2	5496.7
47.5°	8369.4	8365.3	8592.2	8913.5	8842.0	8376.7	7121.7	6618.0	6577.6	6096.7
50°	8021.2	8012.9	8448.2	9050.3	9546.7	9574.7	8363.2	7491.7	7402.5	6717.5
52.5°	6909.2	6907.2	7622.2	8624.4	9794.4	10623.5	9590.2	8451.3	8302.1	7374.5
55°	5316.4	5354.7	6174.5	7359.0	9342.5	11128.1	10691.9	9516.7	9287.6	8035.7
57.5°	3766.0	3822.0	4632.4	5687.4	7941.4	10829.7	11437.0	10584.1	10337.4	8694.8
60°	2022.9	2072.7	2884.1	4143.3	5908.1	9716.7	11829.7	11510.6	11277.4	9320.8
62.5°	1205.3	1221.8	1557.6	2674.8	3996.1	7423.3	11662.9	12216.3	12024.6	9846.2
65°	865.3	868.4	1037.4	1633.3	2426.1	4510.1	10492.9	12554.1	12495.1	10242.1
67.5°	728.5	726.5	796.9	1085.0	1653.0	2259.2	8041.9	12076.4	12327.2	10492.9
70°	624.9	628.0	710.9	794.9	1242.6	1278.8	3998.2	10514.6	11049.4	10559.2
72.5°	465.3	475.7	552.4	724.4	937.9	879.8	1380.4	7796.3	8763.2	9948.8
75°	328.5	333.7	388.6	609.4	699.5	640.5	704.7	4030.3	5269.8	7627.4
77.5°	252.9	262.2	294.3	425.9	689.2	449.8	431.1	1394.9	2143.1	4607.5
80°	136.8	153.4	212.4	307.8	484.0	318.2	213.5	555.5	726.5	2154.5
82.5°	70.5	78.8	148.2	221.8	275.7	277.7	105.7	231.1	299.5	665.3
85°	28.0	34.2	99.5	122.3	142.0	136.8	47.7	93.3	107.8	184.5
87.5°	6.2	10.4	36.3	28.0	26.9	29.0	11.4	21.8	20.7	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952300
 CATALOG NUMBER: GALN-SB6A-940-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1859.2	0°	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2	1859.2
1871.6	2.5°	1870.6	1866.4	1855.0	1842.6	1828.1	1819.8	1814.6	1813.6	1806.3	1801.1
1913.1	5°	1901.7	1897.5	1875.8	1849.9	1821.9	1800.1	1779.4	1760.7	1733.8	1728.6
1973.2	7.5°	1963.9	1952.5	1917.2	1882.0	1829.1	1765.9	1689.2	1601.1	1522.4	1498.5
2053.0	10°	2040.5	2025.0	1980.4	1918.3	1801.1	1629.1	1443.6	1271.6	1134.8	1096.4
2147.3	12.5°	2127.6	2114.1	2055.0	1940.0	1684.0	1372.1	1088.2	874.7	742.0	708.9
2247.8	15°	2231.2	2211.5	2129.7	1906.9	1474.7	1042.6	747.2	620.8	573.1	566.9
2362.8	17.5°	2341.1	2309.0	2196.0	1787.7	1192.8	741.0	577.2	541.0	520.2	514.0
2478.9	20°	2441.6	2400.1	2235.4	1607.4	891.2	577.2	517.1	493.3	474.6	467.4
2595.0	22.5°	2542.1	2483.1	2235.4	1361.7	668.4	511.9	474.6	452.9	431.1	421.8
2719.3	25°	2646.8	2568.0	2196.0	1088.2	537.9	469.5	434.2	410.4	391.7	380.3
2837.5	27.5°	2748.4	2639.5	2105.8	829.1	478.8	432.2	396.9	374.1	356.5	348.2
2966.0	30°	2844.7	2710.0	1979.4	629.1	440.4	395.9	362.7	343.0	325.4	317.1
3132.8	32.5°	2975.3	2799.1	1844.7	516.1	407.3	361.7	331.6	313.0	297.4	291.2
3349.4	35°	3156.7	2930.8	1728.6	506.8	379.3	333.7	303.6	286.0	270.5	265.3
3629.2	37.5°	3413.7	3143.2	1667.5	568.9	356.5	308.8	280.8	262.2	247.7	243.5
3984.7	40°	3730.8	3431.3	1700.6	631.1	341.0	287.1	260.1	241.5	229.0	223.8
4393.0	42.5°	4107.0	3786.8	1884.1	678.8	330.6	268.4	240.4	219.7	211.4	209.3
4856.3	45°	4539.1	4177.5	2164.9	729.6	314.0	250.8	220.7	205.2	199.0	197.9
5359.9	47.5°	5030.4	4606.5	2490.3	792.8	297.4	234.2	205.2	194.8	189.6	187.6
5885.3	50°	5517.4	5038.7	2825.0	828.0	284.0	218.7	192.8	184.5	180.3	179.3
6440.8	52.5°	6027.3	5483.2	3095.5	794.9	272.6	206.2	182.4	176.2	172.0	171.0
6952.8	55°	6513.4	5842.8	3142.2	674.7	249.8	193.8	171.0	167.9	162.7	162.7
7472.0	57.5°	6932.0	6023.2	2812.6	495.4	227.0	175.1	159.6	156.5	152.3	151.3
7940.4	60°	7316.5	5971.4	2171.1	333.7	202.1	156.5	145.1	143.0	138.9	133.7
8347.7	62.5°	7533.1	5743.4	1485.1	217.6	177.2	136.8	128.5	127.5	118.1	107.8
8649.2	65°	7615.0	5274.9	926.5	158.6	148.2	117.1	110.9	108.8	95.3	83.9
8820.2	67.5°	7543.5	4503.9	467.4	125.4	117.1	97.4	91.2	91.2	81.9	71.5
8809.9	70°	7257.4	3376.4	196.9	100.5	90.2	74.6	74.6	78.8	69.4	58.0
8352.8	72.5°	6636.7	2271.6	104.7	76.7	67.4	52.9	61.1	64.3	54.9	43.5
6836.7	75°	5276.0	1385.6	72.5	57.0	42.5	37.3	46.6	48.7	37.3	29.0
4687.3	77.5°	3608.5	795.9	48.7	36.3	26.9	21.8	32.1	30.1	19.7	13.5
1807.4	80°	1584.6	331.6	28.0	16.6	10.4	8.3	11.4	8.3	6.2	4.1
247.7	82.5°	185.5	77.7	10.4	6.2	4.1	2.1	1.0	0.0	0.0	0.0
75.7	85°	38.3	9.3	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
13.5	87.5°	7.3	2.1	1.0	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

<u>180°</u>
1859.2
1806.3
1726.5
1487.1
1081.9
699.5
560.7
510.9
463.2
416.6
376.2
348.2
318.2
291.2
265.3
242.5
222.8
209.3
196.9
187.6
179.3
171.0
161.7
150.3
132.7
105.7
82.9
70.5
57.0
43.5
28.0
14.5
4.1
0.0
0.0
0.0
0.0

F REPORT)