

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: STREETWORKS

Report Number: P846835

Luminaire Tested: **GLAN-SB2C-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA 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: 7043 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

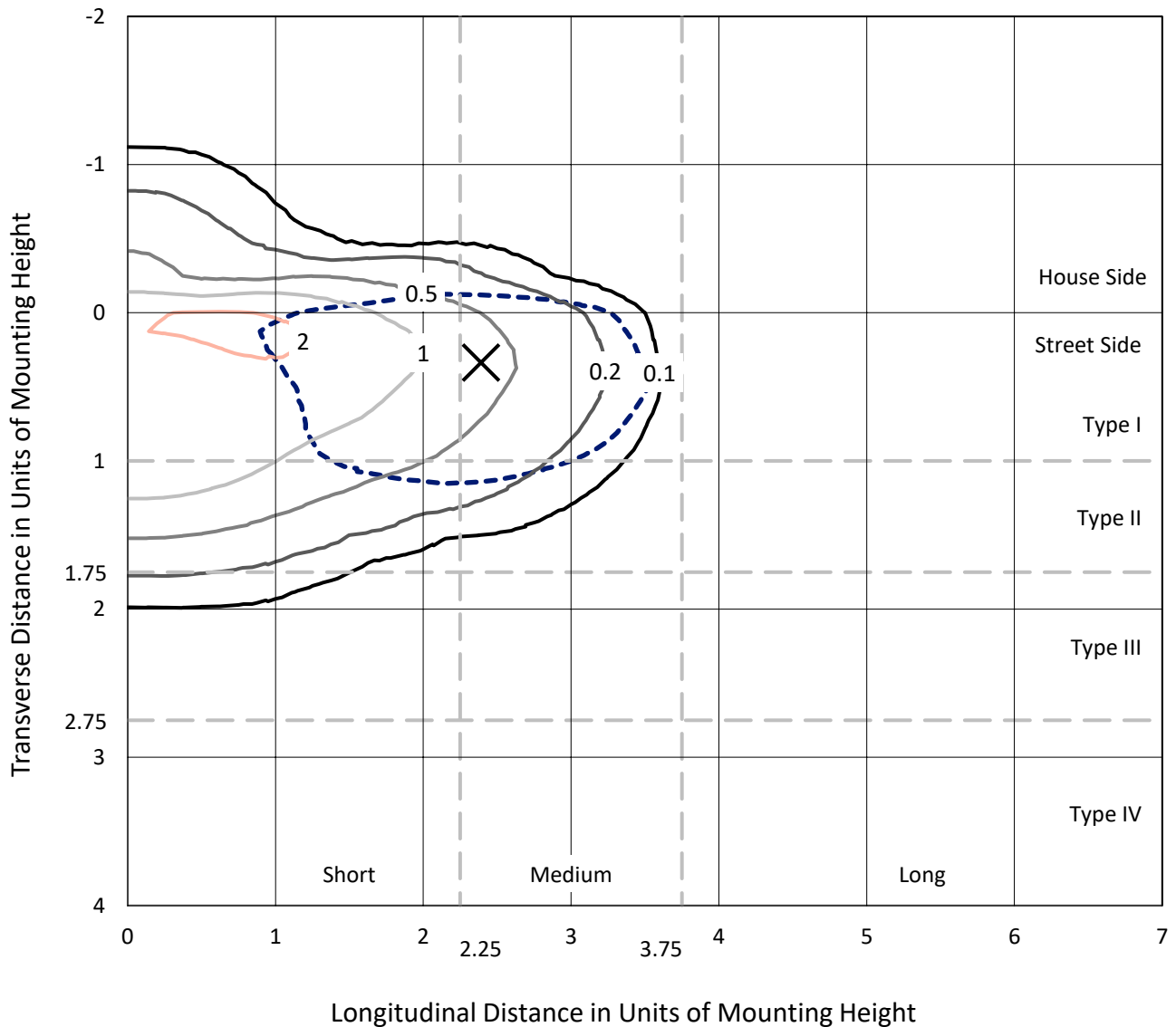
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846835  
 CATALOG NUMBER: GLAN-SB2C-927-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

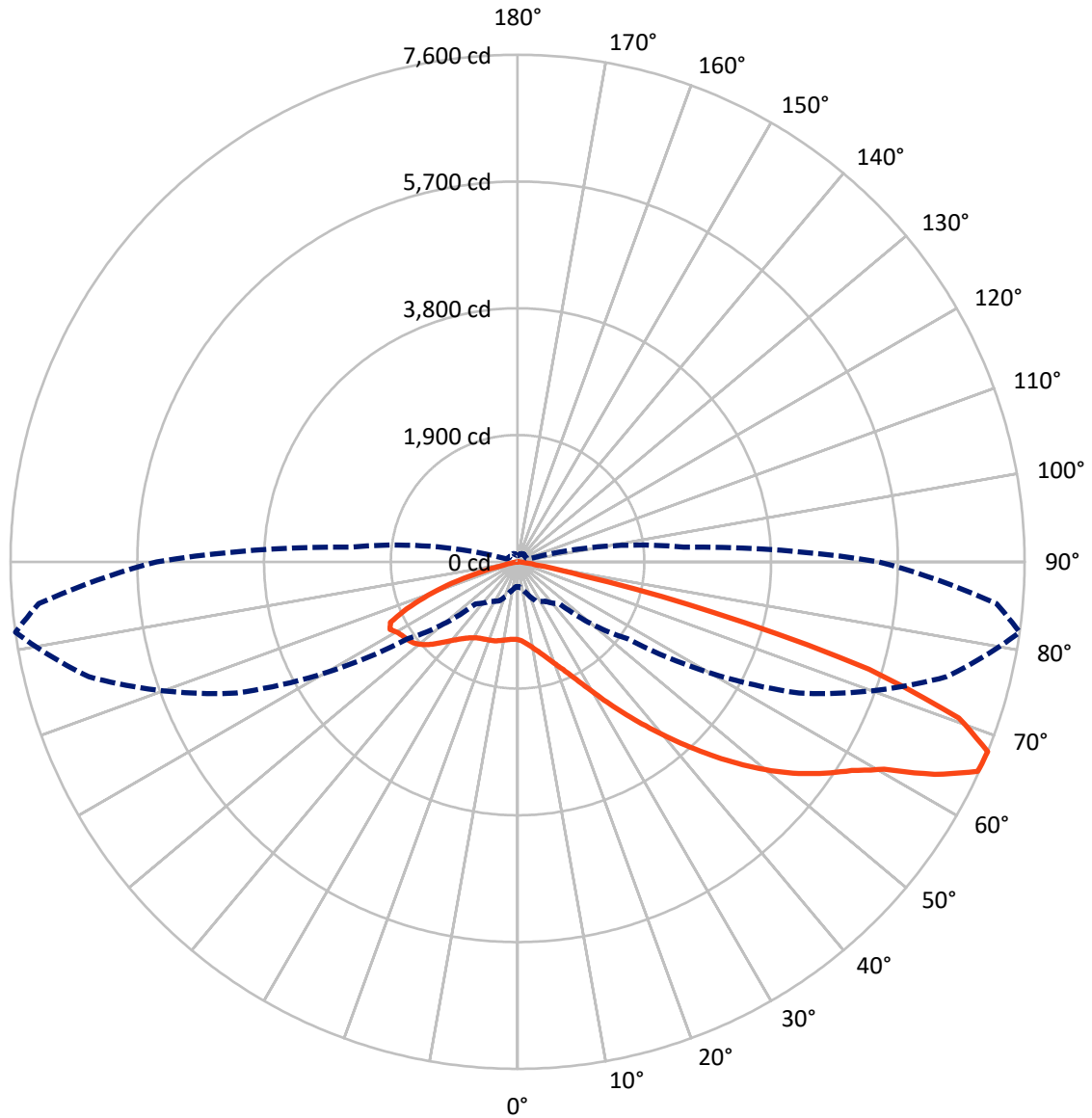
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P846835  
CATALOG NUMBER: GLAN-SB2C-927-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846835  
 CATALOG NUMBER: GLAN-SB2C-927-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1275.8	0.0	1275.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	5767.2	0.0	5767.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	7043.0	0.0	7043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.0	1.5
10°-20°	270.1	3.8
20°-30°	432.7	6.1
30°-40°	765.1	10.9
40°-50°	1340.5	19.0
50°-60°	1787.8	25.4
60°-70°	1664.4	23.6
70°-80°	638.8	9.1
80°-90°	39.7	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°	7043.0	100.0
0°-180°	7043.0	100.0

**Coefficient of Utilization**

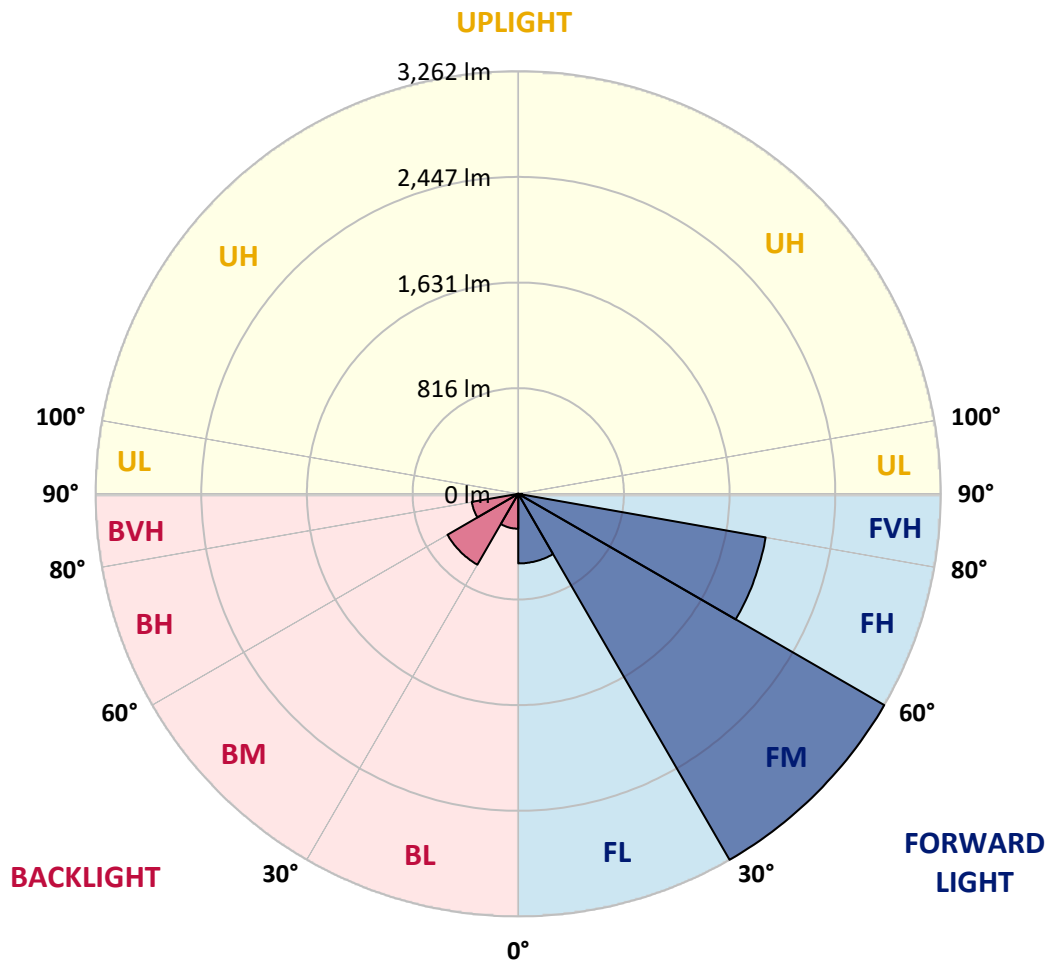


REPORT NUMBER: P846835  
 CATALOG NUMBER: GLAN-SB2C-927-U-T2-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	537.3	7.6			
FM (30°-60°)	3262.0	46.3			
FH (60°-80°)	1939.0	27.5			G2/5000
FVH (80°-90°)	28.8	0.4			G1/100
BL (0°-30°)	269.4	3.8	B1/500		
BM (30°-60°)	631.4	9.0	B1/1000		
BH (60°-80°)	364.1	5.2	B1/500		G1/500
BVH (80°-90°)	10.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



REPORT NUMBER: P846835  
 CATALOG NUMBER: GLAN-SB2C-927-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8
2.5°	1233.2	1240.3	1236.3	1234.2	1230.7	1225.6	1221.6	1208.9	1195.7	1187.1
5°	1258.1	1265.2	1264.7	1266.7	1269.2	1270.7	1269.7	1255.5	1236.8	1222.1
7.5°	1236.8	1244.9	1251.5	1261.6	1279.4	1298.1	1307.2	1304.2	1284.9	1264.7
10°	1176.4	1185.0	1200.8	1224.6	1262.1	1302.7	1336.7	1352.4	1340.2	1317.9
12.5°	1065.9	1074.5	1105.4	1157.2	1220.0	1290.5	1355.4	1397.5	1400.5	1378.2
15°	941.6	950.3	983.2	1048.1	1144.0	1257.0	1365.6	1445.2	1472.0	1452.8
17.5°	864.6	872.2	897.0	949.3	1049.1	1190.1	1362.0	1495.9	1557.2	1542.0
20°	841.2	847.8	859.5	896.0	979.2	1120.6	1338.7	1543.5	1649.0	1640.4
22.5°	866.1	872.2	875.7	892.0	944.2	1075.0	1309.3	1592.2	1755.5	1756.5
25°	923.4	929.5	925.4	935.6	958.4	1060.8	1298.1	1649.5	1889.4	1900.5
27.5°	1017.7	1018.2	1008.6	1008.1	1011.6	1082.1	1309.8	1710.9	2058.2	2079.0
30°	1206.8	1199.2	1162.2	1122.2	1103.9	1146.0	1342.2	1783.4	2257.5	2294.5
32.5°	1498.4	1487.3	1419.3	1323.5	1227.1	1248.9	1400.5	1866.0	2474.5	2541.5
35°	1814.8	1811.8	1740.8	1598.3	1430.0	1395.5	1495.4	1974.6	2711.3	2817.8
37.5°	2108.9	2107.4	2066.9	1899.0	1694.1	1599.8	1647.5	2116.5	2964.9	3119.0
40°	2377.7	2382.3	2341.7	2191.6	1985.2	1862.0	1854.4	2292.0	3246.8	3447.1
42.5°	2609.9	2615.0	2573.9	2462.9	2272.7	2152.0	2108.4	2507.0	3522.2	3799.5
45°	2767.6	2799.1	2793.0	2704.2	2567.8	2442.6	2413.7	2776.8	3836.0	4173.3
47.5°	2812.3	2841.2	2886.8	2899.0	2815.8	2692.6	2727.1	3101.8	4153.5	4547.5
50°	2702.2	2729.1	2823.9	2950.2	3008.0	2970.0	3031.8	3450.2	4478.5	4920.7
52.5°	2485.2	2512.6	2632.2	2832.0	3067.8	3187.5	3337.6	3793.5	4793.4	5274.1
55°	2171.3	2200.2	2353.9	2580.0	2953.7	3277.2	3592.6	4136.2	5081.9	5592.1
57.5°	1744.3	1765.6	1925.4	2241.8	2666.7	3188.0	3780.8	4510.5	5353.7	5904.4
60°	1136.9	1155.6	1341.2	1694.1	2191.1	2889.8	3818.3	4927.8	5714.8	6310.6
62.5°	756.1	768.7	878.8	1137.9	1543.0	2317.3	3598.7	5260.9	6244.2	7017.5
65°	518.7	531.4	641.5	822.0	996.9	1532.9	2967.4	5216.8	6723.9	7578.8
67.5°	370.2	380.8	474.1	644.5	721.6	890.4	2011.6	4652.9	6654.9	7600.1
70°	265.2	271.3	348.4	502.0	573.5	535.0	1118.6	3558.7	5826.8	7018.0
72.5°	185.6	187.6	241.9	382.3	461.9	390.5	532.4	2372.6	4407.0	5508.4
75°	125.8	128.3	162.8	280.4	370.7	298.2	281.9	1272.3	2587.1	3049.1
77.5°	77.1	78.1	105.0	191.7	277.4	227.2	181.5	539.0	1001.0	982.7
80°	43.6	43.6	66.9	119.2	189.1	146.5	127.3	229.2	316.9	278.4
82.5°	24.3	24.8	48.7	74.0	125.2	86.7	70.0	106.0	136.9	121.2
85°	10.1	11.2	29.9	35.0	59.8	43.1	28.4	44.6	50.7	45.1
87.5°	1.0	1.5	9.1	6.6	7.1	8.6	4.1	8.6	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846835  
 CATALOG NUMBER: GLAN-SB2C-927-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1166.8	0°	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8	1166.8
1184.0	2.5°	1174.4	1166.8	1147.5	1125.2	1095.8	1081.6	1062.3	1049.1	1038.0	1039.0
1213.4	5°	1197.2	1177.9	1134.8	1081.1	1014.2	966.5	915.8	880.8	852.4	846.3
1254.0	7.5°	1228.7	1198.2	1122.7	1025.8	912.7	827.0	750.5	701.3	666.3	655.1
1303.2	10°	1269.2	1225.1	1107.0	956.3	793.6	684.6	602.4	563.9	540.0	531.9
1361.0	12.5°	1316.4	1256.0	1086.2	871.7	670.9	565.9	513.7	494.4	486.8	484.3
1432.0	15°	1375.7	1294.6	1054.7	771.3	566.9	493.4	471.1	468.5	469.6	468.5
1517.2	17.5°	1446.2	1336.7	1003.5	667.8	496.9	456.4	448.3	450.3	452.8	452.3
1612.5	20°	1523.3	1378.2	938.1	576.0	449.3	430.0	425.4	427.5	429.5	428.5
1722.5	22.5°	1611.0	1422.9	865.6	504.5	417.3	405.7	400.6	401.1	401.1	399.1
1862.0	25°	1716.0	1472.0	789.5	453.8	393.0	383.9	377.8	375.7	372.7	366.6
2031.4	27.5°	1841.2	1524.3	716.5	418.3	373.7	365.1	358.0	352.9	345.3	335.2
2234.7	30°	1982.2	1587.7	654.6	396.0	358.5	349.9	341.8	334.2	323.0	310.3
2468.5	32.5°	2148.0	1655.6	609.5	381.3	344.8	335.7	326.1	316.9	304.8	292.1
2731.1	35°	2345.7	1737.8	583.1	371.2	334.2	322.0	311.3	301.2	292.1	280.9
3016.6	37.5°	2560.2	1825.0	575.0	366.1	327.1	308.3	296.1	289.0	288.0	281.4
3325.4	40°	2795.0	1928.4	581.1	363.1	319.5	295.1	281.9	280.4	282.9	271.3
3655.5	42.5°	3043.5	2051.1	591.3	359.5	308.8	281.9	269.3	269.3	267.2	251.0
4004.4	45°	3312.2	2192.6	601.4	350.9	296.1	268.8	259.1	255.6	246.9	231.2
4355.3	47.5°	3583.0	2336.6	609.0	335.2	280.9	257.6	249.0	240.9	228.2	214.0
4699.6	50°	3840.1	2465.9	600.9	311.9	263.7	246.9	237.8	226.7	213.0	203.3
5025.7	52.5°	4069.8	2578.0	566.4	284.5	245.4	235.8	227.7	216.0	204.9	194.7
5319.8	55°	4269.6	2668.8	505.6	258.6	229.2	226.2	218.0	203.3	188.1	179.5
5611.3	57.5°	4461.3	2737.7	429.5	237.3	214.5	215.5	203.3	190.2	176.0	166.8
6004.3	60°	4716.3	2830.0	352.4	217.5	198.8	201.8	188.6	179.0	161.3	149.6
6678.2	62.5°	5124.0	2973.5	279.9	193.2	180.5	181.5	176.0	164.3	143.0	129.3
7177.7	65°	5447.5	2920.8	220.6	166.8	159.7	161.3	161.3	148.6	125.8	110.0
7204.6	67.5°	5411.0	2500.9	176.0	141.0	140.0	141.0	144.5	133.9	111.6	98.9
6655.9	70°	4984.6	1989.3	141.0	117.1	121.7	119.2	129.3	122.2	100.4	87.7
5160.0	72.5°	4067.3	1433.0	107.5	96.9	93.3	97.4	116.6	110.0	83.7	69.5
2733.2	75°	2376.7	764.7	80.1	76.6	67.4	81.1	103.4	93.8	63.9	51.2
837.7	77.5°	773.8	266.7	58.8	56.3	50.2	65.4	88.2	79.1	52.2	40.6
245.4	80°	207.4	80.6	40.1	37.0	32.5	48.7	70.0	62.9	37.5	26.4
105.5	82.5°	83.2	34.0	23.3	20.8	17.7	33.5	55.3	50.7	27.9	16.7
33.0	85°	26.9	11.2	8.6	6.6	8.1	20.8	33.0	34.5	19.8	8.6
5.1	87.5°	3.5	1.5	1.5	2.0	1.5	3.5	10.1	9.6	5.6	1.0
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°
1166.8
1028.9
832.6
644.0
525.8
482.7
468.0
451.3
428.0
398.1
365.6
334.2
309.3
292.6
279.9
280.9
271.8
251.0
230.7
213.5
201.8
193.7
178.5
165.8
148.1
128.3
108.5
96.9
86.2
67.9
49.7
39.0
25.9
16.7
6.6
0.0
0.0

F REPORT)