

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: P846235

Luminaire Tested: **GLAN-SB1D-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846235  
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-SB1D-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7294 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

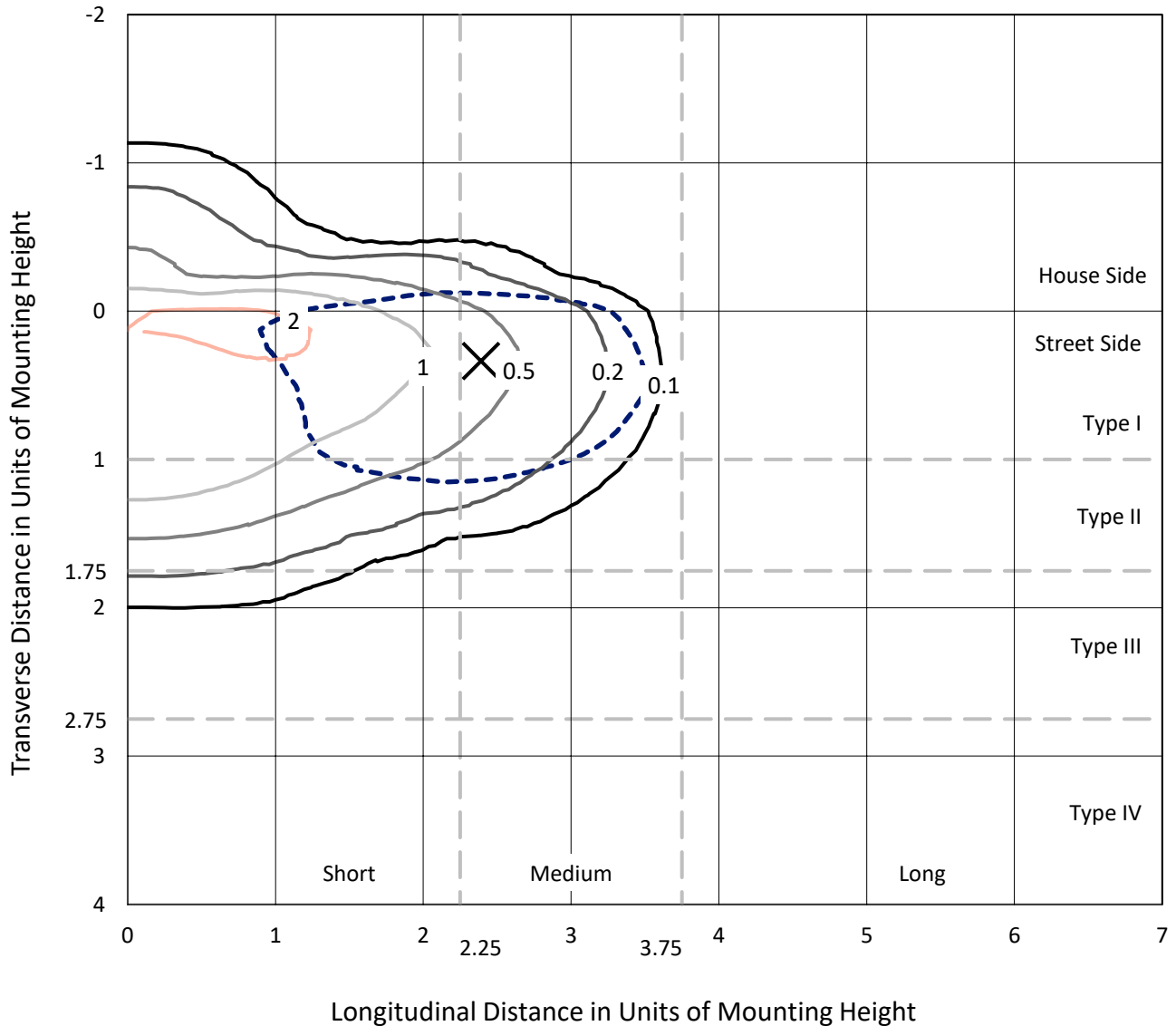
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846235  
 CATALOG NUMBER: GLAN-SB1D-735-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

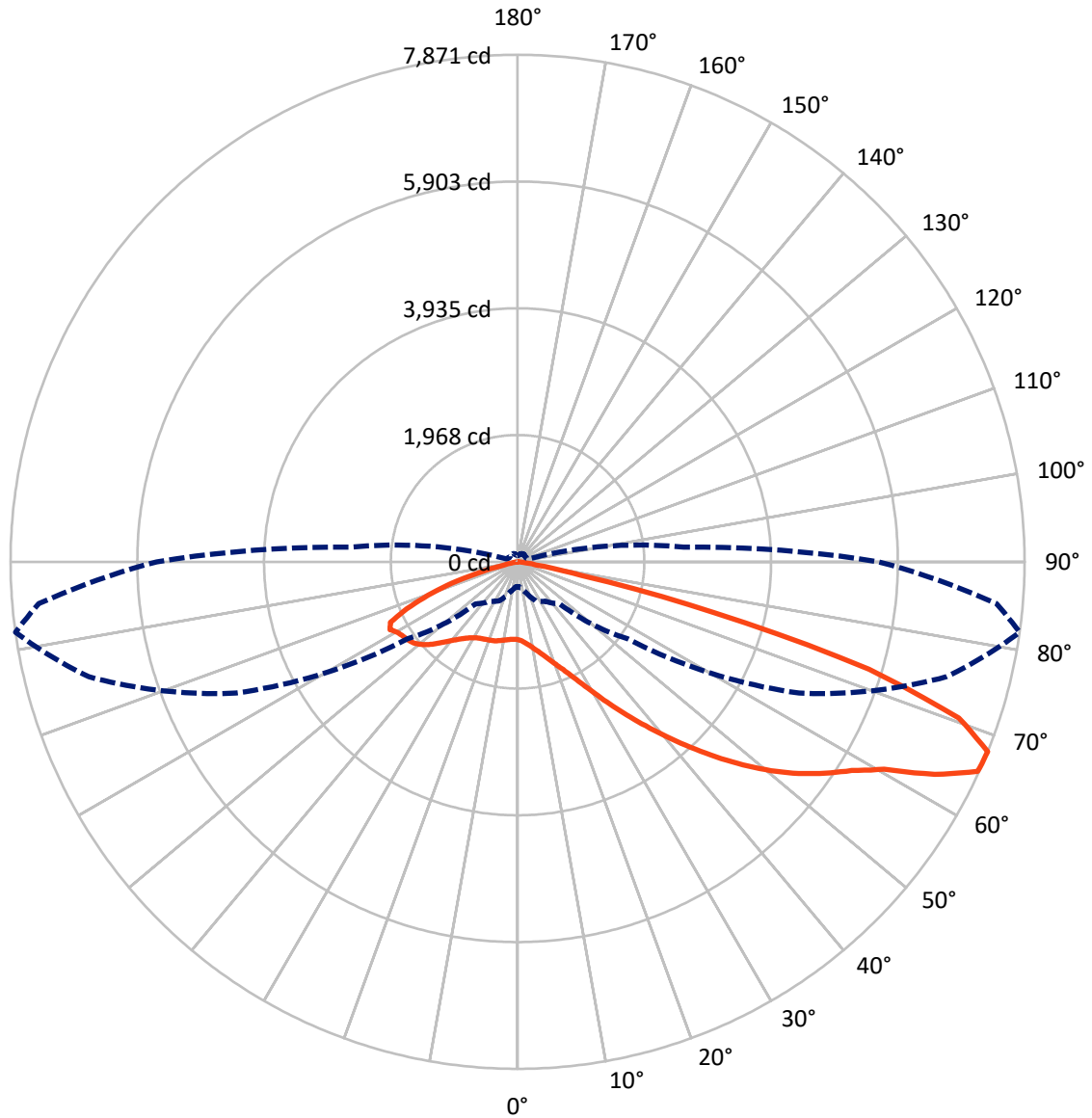
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P846235  
CATALOG NUMBER: GLAN-SB1D-735-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846235  
 CATALOG NUMBER: GLAN-SB1D-735-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1321.2	0.0	1321.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	5972.8	0.0	5972.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	7294.0	0.0	7294.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	1.5
10°-20°	279.8	3.8
20°-30°	448.1	6.1
30°-40°	792.3	10.9
40°-50°	1388.3	19.0
50°-60°	1851.6	25.4
60°-70°	1723.7	23.6
70°-80°	661.6	9.1
80°-90°	41.1	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°	7294.0	100.0
0°-180°	7294.0	100.0

**Coefficient of Utilization**

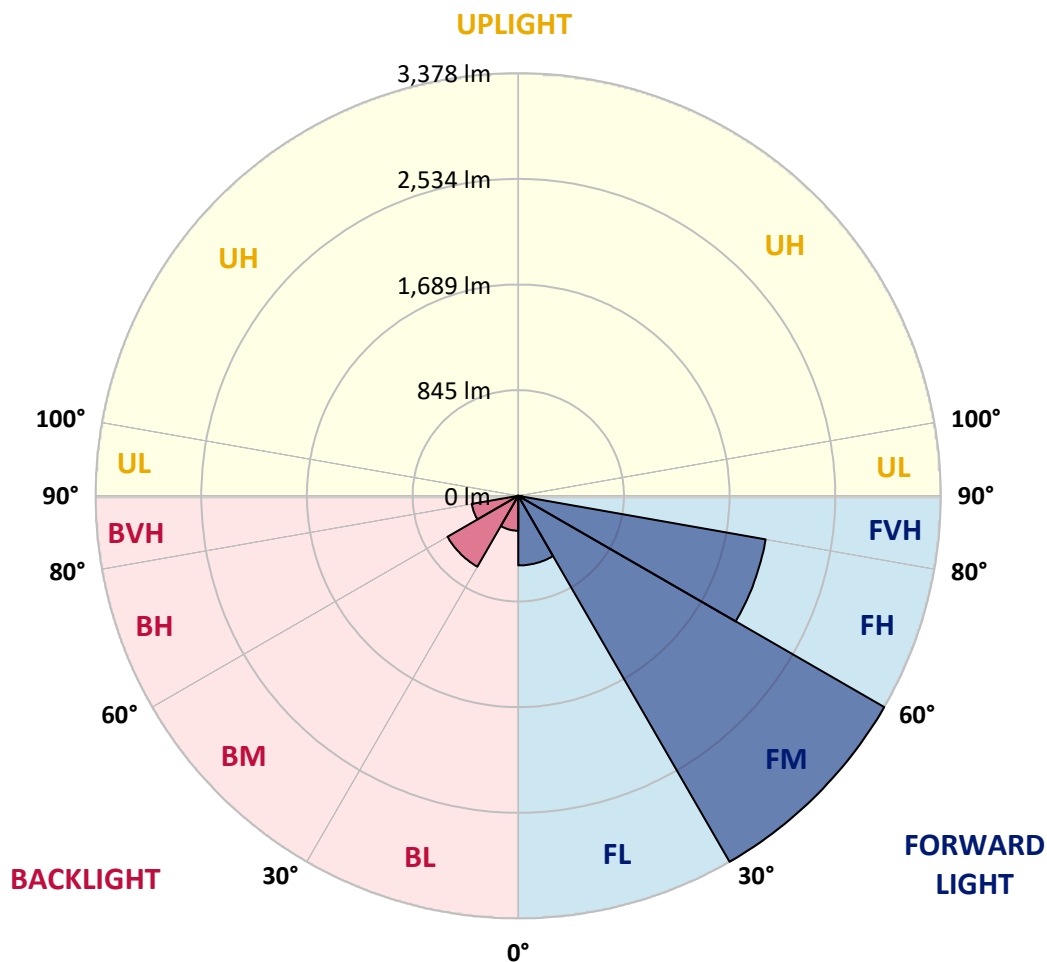


REPORT NUMBER: P846235  
 CATALOG NUMBER: GLAN-SB1D-735-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.5	7.6			
FM (30°-60°)	3378.3	46.3			
FH (60°-80°)	2008.2	27.5			G2/5000
FVH (80°-90°)	29.9	0.4			G1/100
BL (0°-30°)	279.0	3.8	B1/500		
BM (30°-60°)	653.9	9.0	B1/1000		
BH (60°-80°)	377.1	5.2	B1/500		G1/500
BVH (80°-90°)	11.2	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: P846235  
 CATALOG NUMBER: GLAN-SB1D-735-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4
2.5°	1277.2	1284.5	1280.3	1278.2	1274.5	1269.3	1265.1	1252.0	1238.3	1229.4
5°	1302.9	1310.2	1309.7	1311.8	1314.4	1316.0	1315.0	1300.3	1280.8	1265.6
7.5°	1280.8	1289.2	1296.1	1306.6	1325.0	1344.4	1353.8	1350.7	1330.7	1309.7
10°	1218.3	1227.3	1243.6	1268.2	1307.1	1349.1	1384.3	1400.6	1388.0	1364.9
12.5°	1103.9	1112.8	1144.8	1198.4	1263.5	1336.5	1403.7	1447.3	1450.5	1427.4
15°	975.2	984.1	1018.3	1085.5	1184.7	1301.8	1414.2	1496.7	1524.5	1504.6
17.5°	895.4	903.3	929.0	983.1	1086.5	1232.5	1410.6	1549.2	1612.7	1597.0
20°	871.2	878.0	890.1	927.9	1014.1	1160.6	1386.4	1598.6	1707.8	1698.9
22.5°	897.0	903.3	906.9	923.7	977.8	1113.3	1355.9	1649.0	1818.1	1819.1
25°	956.3	962.6	958.4	968.9	992.5	1098.6	1344.4	1708.3	1956.7	1968.3
27.5°	1054.0	1054.5	1044.5	1044.0	1047.7	1120.7	1356.5	1771.9	2131.6	2153.1
30°	1249.9	1242.0	1203.6	1162.2	1143.3	1186.8	1390.1	1847.0	2338.0	2376.3
32.5°	1551.8	1540.3	1469.9	1370.6	1270.9	1293.4	1450.5	1932.6	2562.7	2632.0
35°	1879.5	1876.4	1802.8	1655.3	1480.9	1445.2	1548.7	2044.9	2808.0	2918.3
37.5°	2184.1	2182.5	2140.5	1966.7	1754.5	1656.8	1706.2	2192.0	3070.5	3230.2
40°	2462.4	2467.2	2425.1	2269.7	2056.0	1928.3	1920.5	2373.7	3362.5	3570.0
42.5°	2702.9	2708.2	2665.7	2550.7	2353.7	2228.7	2183.6	2596.3	3647.7	3934.9
45°	2866.3	2898.8	2892.5	2800.6	2659.4	2529.6	2499.7	2875.7	3972.8	4322.0
47.5°	2912.5	2942.4	2989.7	3002.3	2916.2	2788.5	2824.3	3212.3	4301.5	4709.5
50°	2798.5	2826.4	2924.6	3055.3	3115.2	3075.8	3139.9	3573.1	4638.1	5096.1
52.5°	2573.8	2602.1	2726.1	2933.0	3177.2	3301.1	3456.5	3928.6	4964.2	5462.1
55°	2248.7	2278.6	2437.7	2672.0	3059.0	3394.0	3720.7	4283.6	5263.0	5791.3
57.5°	1806.5	1828.6	1994.0	2321.7	2761.8	3301.6	3915.5	4671.2	5544.5	6114.8
60°	1177.4	1196.8	1389.0	1754.5	2269.2	2992.8	3954.4	5103.4	5918.4	6535.5
62.5°	783.0	796.1	910.1	1178.4	1598.0	2399.9	3727.0	5448.4	6466.7	7267.5
65°	537.2	550.4	664.3	851.3	1032.4	1587.5	3073.2	5402.7	6963.5	7848.9
67.5°	383.4	394.4	491.0	667.5	747.3	922.2	2083.3	4818.8	6892.1	7870.9
70°	274.7	281.0	360.8	519.9	593.9	554.0	1158.5	3685.5	6034.5	7268.1
72.5°	192.2	194.3	250.5	396.0	478.4	404.4	551.4	2457.2	4564.1	5704.7
75°	130.2	132.9	168.6	290.4	383.9	308.8	292.0	1317.6	2679.3	3157.7
77.5°	79.8	80.9	108.7	198.5	287.3	235.3	188.0	558.2	1036.6	1017.7
80°	45.2	45.2	69.3	123.4	195.9	151.8	131.8	237.4	328.2	288.3
82.5°	25.2	25.7	50.4	76.7	129.7	89.8	72.5	109.8	141.8	125.5
85°	10.5	11.6	31.0	36.2	62.0	44.6	29.4	46.2	52.5	46.7
87.5°	1.1	1.6	9.5	6.8	7.4	8.9	4.2	8.9	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846235  
 CATALOG NUMBER: GLAN-SB1D-735-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1208.4	0°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4
1226.2	2.5°	1216.2	1208.4	1188.4	1165.3	1134.8	1120.1	1100.2	1086.5	1075.0	1076.0
1256.7	5°	1239.9	1219.9	1175.3	1119.6	1050.3	1000.9	948.4	912.2	882.8	876.5
1298.7	7.5°	1272.4	1240.9	1162.7	1062.4	945.3	856.5	777.2	726.3	690.0	678.5
1349.6	10°	1314.4	1268.8	1146.4	990.4	821.9	709.0	623.9	584.0	559.3	550.9
1409.5	12.5°	1363.3	1300.8	1124.9	902.7	694.8	586.1	532.0	512.0	504.1	501.5
1483.0	15°	1424.7	1340.7	1092.3	798.8	587.1	511.0	487.9	485.2	486.3	485.2
1571.2	17.5°	1497.7	1384.3	1039.3	691.6	514.6	472.6	464.2	466.3	469.0	468.4
1670.0	20°	1577.5	1427.4	971.5	596.6	465.3	445.3	440.6	442.7	444.8	443.8
1783.9	22.5°	1668.4	1473.6	896.4	522.5	432.2	420.1	414.9	415.4	415.4	413.3
1928.3	25°	1777.1	1524.5	817.7	470.0	407.0	397.5	391.2	389.1	386.0	379.7
2103.7	27.5°	1906.8	1578.6	742.0	433.2	387.0	378.1	370.8	365.5	357.6	347.1
2314.3	30°	2052.8	1644.2	678.0	410.1	371.3	362.4	354.0	346.1	334.5	321.4
2556.4	32.5°	2224.5	1714.6	631.2	394.9	357.1	347.6	337.7	328.2	315.6	302.5
2828.5	35°	2429.3	1799.7	603.9	384.4	346.1	333.5	322.4	311.9	302.5	290.9
3124.1	37.5°	2651.5	1890.0	595.5	379.2	338.7	319.3	306.7	299.3	298.3	291.5
3443.9	40°	2894.6	1997.1	601.8	376.0	330.8	305.6	292.0	290.4	293.0	281.0
3785.8	42.5°	3151.9	2124.2	612.3	372.3	319.8	292.0	278.9	278.9	276.8	259.9
4147.1	45°	3430.3	2270.7	622.8	363.4	306.7	278.3	268.4	264.7	255.7	239.5
4510.5	47.5°	3710.7	2419.9	630.7	347.1	290.9	266.8	257.8	249.4	236.3	221.6
4867.1	50°	3977.0	2553.8	622.3	323.0	273.1	255.7	246.3	234.7	220.6	210.6
5204.8	52.5°	4214.8	2669.9	586.6	294.6	254.2	244.2	235.8	223.7	212.2	201.7
5509.3	55°	4421.8	2763.9	523.6	267.8	237.4	234.2	225.8	210.6	194.8	185.9
5811.3	57.5°	4620.3	2835.3	444.8	245.8	222.1	223.2	210.6	196.9	182.2	172.8
6218.3	60°	4884.4	2930.9	365.0	225.3	205.9	209.0	195.4	185.4	167.0	154.9
6916.2	62.5°	5306.6	3079.5	289.9	200.1	187.0	188.0	182.2	170.1	148.1	133.9
7433.5	65°	5641.7	3024.9	228.4	172.8	165.4	167.0	167.0	153.9	130.2	114.0
7461.3	67.5°	5603.9	2590.0	182.2	146.0	144.9	146.0	149.7	138.6	115.5	102.4
6893.1	70°	5162.2	2060.2	146.0	121.3	126.0	123.4	133.9	126.6	104.0	90.9
5343.9	72.5°	4212.2	1484.1	111.3	100.3	96.6	100.8	120.8	114.0	86.6	71.9
2830.6	75°	2461.4	791.9	83.0	79.3	69.8	84.0	107.1	97.2	66.2	53.0
867.5	77.5°	801.4	276.2	60.9	58.3	52.0	67.7	91.4	81.9	54.1	42.0
254.2	80°	214.8	83.5	41.5	38.3	33.6	50.4	72.5	65.1	38.9	27.3
109.2	82.5°	86.1	35.2	24.2	21.5	18.4	34.7	57.2	52.5	28.9	17.3
34.1	85°	27.8	11.6	8.9	6.8	8.4	21.5	34.1	35.7	20.5	8.9
5.3	87.5°	3.7	1.6	1.6	2.1	1.6	3.7	10.5	10.0	5.8	1.1
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°
<hr/>
1208.4
1065.5
862.3
666.9
544.6
499.9
484.7
467.4
443.2
412.2
378.6
346.1
320.3
303.0
289.9
290.9
281.5
259.9
238.9
221.1
209.0
200.6
184.9
171.7
153.3
132.9
112.4
100.3
89.3
70.4
51.5
40.4
26.8
17.3
6.8
0.0
0.0

F REPORT)