

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: P852088

Luminaire Tested: **GLAN-SB1B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4185 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

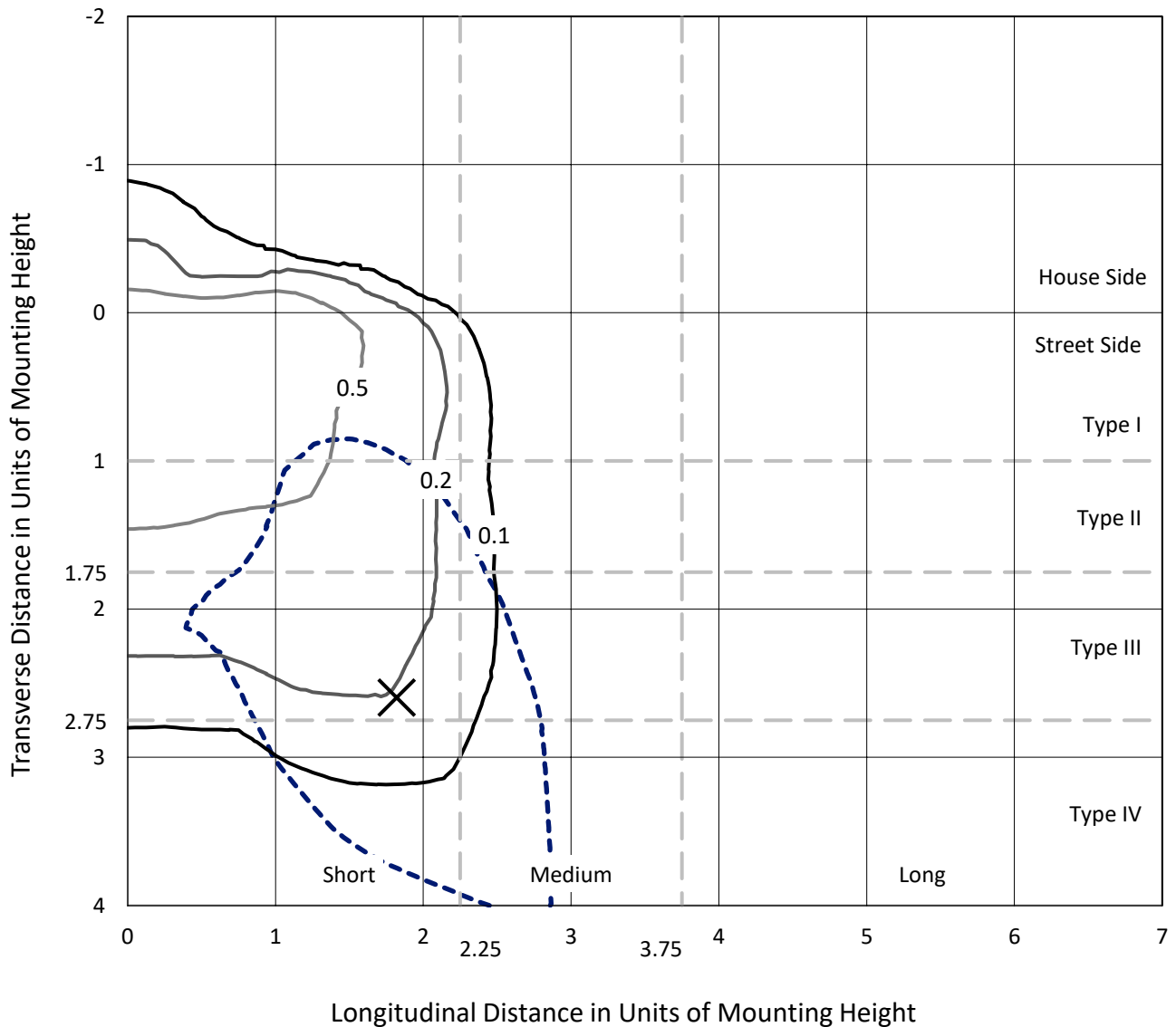
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852088  
 CATALOG NUMBER: GLAN-SB1B-735-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

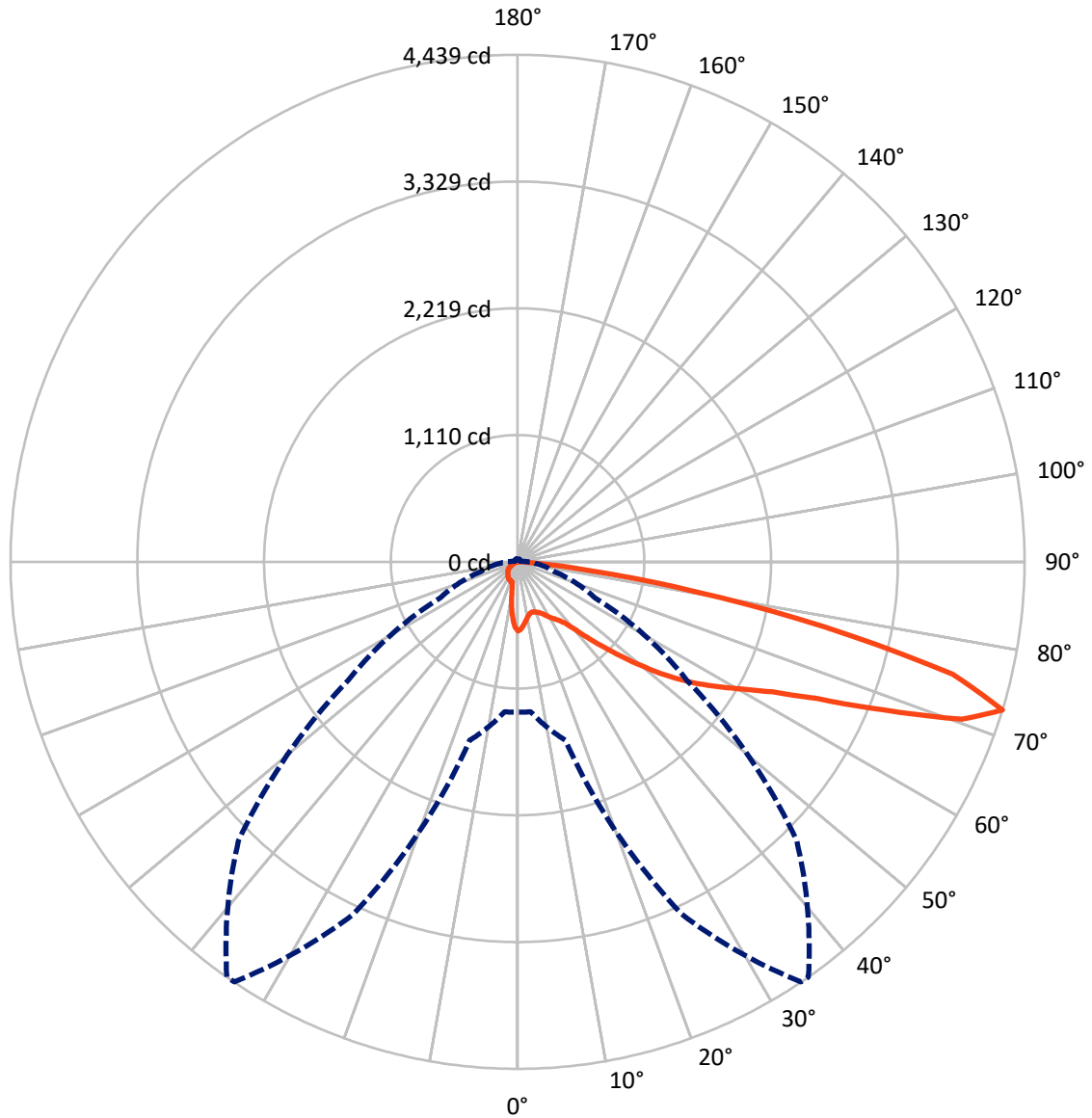
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852088  
CATALOG NUMBER: GLAN-SB1B-735-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852088  
 CATALOG NUMBER: GLAN-SB1B-735-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	471.0	0.0	471.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3714.0	0.0	3714.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	4185.0	0.0	4185.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	1.2
10°-20°	116.6	2.8
20°-30°	189.4	4.5
30°-40°	316.0	7.6
40°-50°	597.9	14.3
50°-60°	950.1	22.7
60°-70°	1175.4	28.1
70°-80°	730.6	17.5
80°-90°	59.0	1.4
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°	4185.0	100.0
0°-180°	4185.0	100.0

**Coefficient of Utilization**



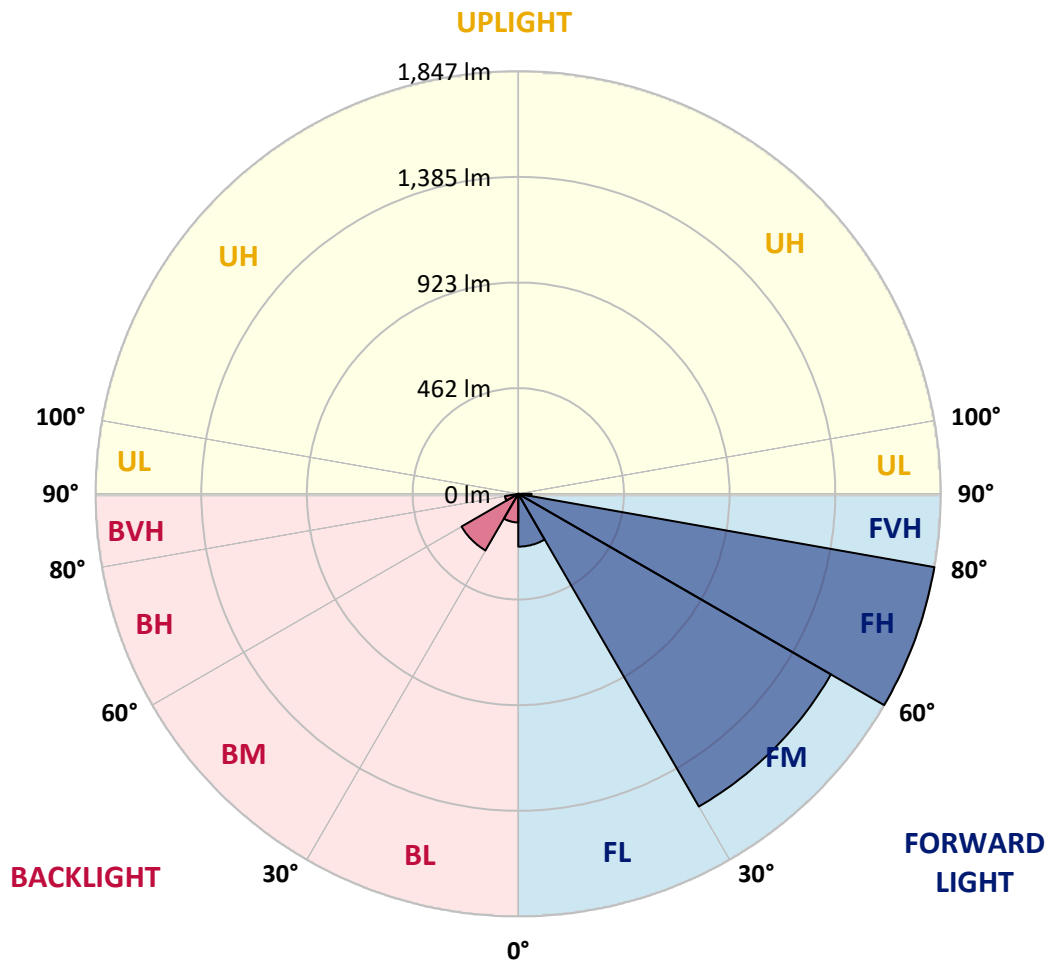
REPORT NUMBER: P852088  
 CATALOG NUMBER: GLAN-SB1B-735-U-T4FT-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.7	5.5			
FM	(30°-60°)	1578.2	37.7			
FH	(60°-80°)	1846.9	44.1			G2/5000
FVH	(80°-90°)	58.2	1.4			G1/100
BL	(0°-30°)	125.2	3.0	B1/500		
BM	(30°-60°)	285.9	6.8	B1/1000		
BH	(60°-80°)	59.1	1.4	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



REPORT NUMBER: P852088  
 CATALOG NUMBER: GLAN-SB1B-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5
2.5°	579.6	584.5	585.4	586.9	586.9	588.8	591.8	596.1	603.2	606.9
5°	534.2	537.9	542.5	546.1	553.2	554.1	566.1	577.7	594.0	606.2
7.5°	488.5	492.8	498.9	507.8	517.0	519.8	537.9	557.5	583.2	606.2
10°	456.3	456.6	462.1	471.0	485.7	489.1	511.2	539.1	571.3	602.6
12.5°	438.2	440.3	442.8	449.5	463.6	465.8	489.4	522.2	559.3	600.4
15°	438.2	439.7	441.3	444.6	456.0	457.8	478.7	511.5	553.2	601.3
17.5°	442.8	445.3	444.0	448.0	460.0	461.2	479.6	508.4	552.9	607.2
20°	453.8	455.7	453.2	455.7	467.6	470.1	489.1	514.2	558.1	617.3
22.5°	471.3	472.2	466.4	468.2	480.5	483.6	505.7	530.8	570.7	633.5
25°	493.4	495.2	486.3	488.5	500.1	503.8	529.3	555.6	590.6	655.9
27.5°	518.8	519.8	512.1	511.8	526.8	532.0	557.8	586.3	617.3	684.1
30°	548.0	550.7	543.4	542.2	561.2	565.5	590.9	624.0	656.5	726.4
32.5°	571.0	573.1	568.8	571.9	591.2	594.6	631.1	677.4	718.2	786.5
35°	604.1	605.3	595.5	601.0	623.1	631.7	686.0	752.2	795.7	862.0
37.5°	724.0	724.0	682.3	655.0	676.2	683.8	761.1	846.3	891.4	963.2
40°	889.9	887.1	826.1	770.3	767.5	782.6	868.1	965.0	1015.0	1084.6
42.5°	1066.8	1062.5	979.4	924.2	915.0	920.2	991.7	1111.3	1162.2	1232.7
45°	1223.8	1222.6	1146.6	1072.3	1055.8	1072.3	1145.9	1282.4	1318.9	1393.1
47.5°	1355.4	1355.4	1299.9	1251.4	1242.8	1252.7	1354.8	1472.2	1468.8	1563.9
50°	1506.9	1505.6	1452.9	1432.0	1440.9	1454.7	1595.2	1672.1	1624.0	1731.6
52.5°	1613.0	1620.3	1602.2	1598.9	1644.2	1668.2	1839.3	1867.8	1762.9	1890.8
55°	1697.0	1705.6	1726.4	1750.0	1837.4	1868.7	2075.7	2053.3	1879.1	2028.8
57.5°	1816.0	1803.7	1835.9	1882.5	2023.9	2061.6	2304.8	2228.4	1972.7	2140.7
60°	1960.4	1962.2	1967.8	2026.6	2210.0	2258.5	2530.4	2394.0	2032.8	2209.4
62.5°	2134.0	2136.7	2148.1	2238.5	2459.9	2505.6	2770.9	2529.5	2060.4	2190.1
65°	2122.0	2133.6	2260.3	2569.7	2839.9	2884.9	3051.4	2624.6	2018.7	2013.4
67.5°	1933.1	1952.1	2164.0	2965.3	3412.7	3463.0	3390.6	2643.3	1838.7	1565.7
70°	1685.3	1692.1	1946.9	3321.0	4075.9	4126.8	3694.2	2437.5	1395.2	873.3
72.5°	1316.1	1317.7	1616.6	3403.5	4435.9	4438.7	3455.9	1809.5	750.4	335.5
75°	940.2	931.0	1082.8	2760.1	3902.7	3934.0	2590.9	848.8	286.7	158.5
77.5°	504.1	514.2	612.7	1636.9	2696.0	2749.4	1413.6	244.7	146.0	107.9
80°	155.8	164.4	251.1	749.4	1527.1	1559.3	524.1	108.9	101.8	77.0
82.5°	49.1	50.9	117.1	314.9	633.8	648.6	151.8	61.6	69.6	50.9
85°	14.1	14.4	52.1	117.4	156.7	159.8	42.6	23.9	39.9	31.6
87.5°	1.5	4.9	19.6	19.6	13.8	13.5	4.6	5.2	11.3	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852088  
 CATALOG NUMBER: GLAN-SB1B-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
606.5	0°	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5
609.3	2.5°	607.8	608.1	604.1	597.3	590.0	583.9	576.2	570.1	565.8	564.5
614.8	5°	612.1	609.9	598.6	578.0	553.5	532.3	508.7	490.0	477.8	472.5
620.7	7.5°	618.5	612.4	587.5	547.1	500.1	458.4	416.1	383.3	362.5	352.0
626.2	10°	624.0	611.8	569.1	502.3	430.5	367.4	310.3	270.8	248.7	238.3
632.6	12.5°	629.2	611.5	545.2	449.2	352.0	274.8	221.7	202.1	195.9	193.8
643.0	15°	639.1	612.4	515.2	388.5	273.8	207.6	188.3	188.0	189.2	188.6
659.0	17.5°	652.5	613.3	481.1	324.1	211.3	183.1	182.1	184.9	186.7	185.8
678.9	20°	670.0	617.0	444.9	260.3	181.5	176.9	179.1	181.5	183.1	181.5
705.6	22.5°	694.6	623.4	405.4	209.1	172.0	173.3	175.1	177.9	179.4	177.2
739.6	25°	724.6	633.5	366.4	181.8	167.4	169.0	171.7	174.8	176.6	174.5
782.6	27.5°	763.5	649.8	330.6	175.7	162.8	163.7	167.7	172.3	174.8	172.0
843.6	30°	820.0	676.5	299.6	178.5	160.1	157.9	163.4	169.9	172.6	170.2
926.7	32.5°	894.8	714.2	280.6	182.8	158.8	151.2	156.4	164.7	169.3	167.7
1035.2	35°	992.9	771.5	273.2	187.7	157.9	144.1	147.8	156.7	164.7	166.2
1172.0	37.5°	1111.9	851.3	275.4	189.8	155.2	138.3	140.1	147.8	158.2	163.1
1325.9	40°	1247.1	944.2	287.6	187.7	152.1	133.4	133.7	139.5	148.7	156.1
1491.5	42.5°	1386.7	1052.7	310.3	179.7	149.3	129.1	128.2	132.2	138.3	143.5
1656.8	45°	1519.4	1164.3	332.7	168.7	146.0	124.8	122.7	124.2	125.4	127.6
1817.8	47.5°	1635.3	1242.8	326.3	158.5	141.4	119.9	116.2	115.6	111.9	111.6
1961.6	50°	1715.4	1260.0	289.8	148.4	134.6	114.4	108.6	104.9	98.4	95.4
2069.3	52.5°	1740.8	1192.2	236.7	138.3	123.6	107.0	98.7	92.9	84.9	82.2
2131.2	55°	1707.1	1059.5	189.2	126.0	108.2	97.2	88.0	80.3	73.9	70.5
2137.9	57.5°	1624.6	890.5	149.6	111.6	92.0	86.2	77.0	69.3	63.8	60.4
2063.1	60°	1487.8	707.1	118.4	94.4	78.5	74.2	64.7	59.8	54.9	50.9
1869.9	62.5°	1280.2	504.7	92.9	74.8	65.6	60.7	55.2	51.5	45.7	40.2
1522.5	65°	999.1	308.8	71.8	54.9	52.7	50.3	46.9	43.5	36.5	31.0
993.2	67.5°	630.2	146.3	51.2	41.4	41.7	40.5	38.9	36.2	31.0	26.1
444.9	70°	277.5	70.8	33.7	31.6	31.0	31.0	32.2	31.3	26.4	21.8
154.5	72.5°	94.4	38.0	25.1	23.9	22.4	22.1	27.0	26.1	21.2	16.9
77.0	75°	49.4	25.5	18.4	17.2	13.5	16.3	21.5	20.2	15.0	11.0
50.9	77.5°	32.2	18.1	12.6	11.0	7.7	10.7	15.9	14.1	8.9	5.5
33.4	80°	20.2	12.0	7.4	5.2	3.7	5.8	8.6	6.1	3.4	1.2
19.6	82.5°	10.7	6.1	2.8	1.8	1.5	1.8	2.1	1.5	0.6	0.0
10.1	85°	4.3	2.1	0.9	0.6	0.3	0.0	0.6	0.3	0.0	0.0
1.8	87.5°	1.5	0.3	0.0	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



180°
<hr/>
606.5
566.7
474.4
353.6
238.6
193.2
188.3
185.5
181.2
176.9
174.2
172.0
169.9
167.7
166.2
164.4
158.5
145.7
128.8
111.3
95.7
81.9
70.5
59.8
50.0
39.3
30.1
25.5
20.9
15.9
10.1
4.9
0.9
0.0
0.0
0.0
0.0

F REPORT)