

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: P852104

Luminaire Tested: **GLAN-SB1B-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852104  
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-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 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: 3662 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

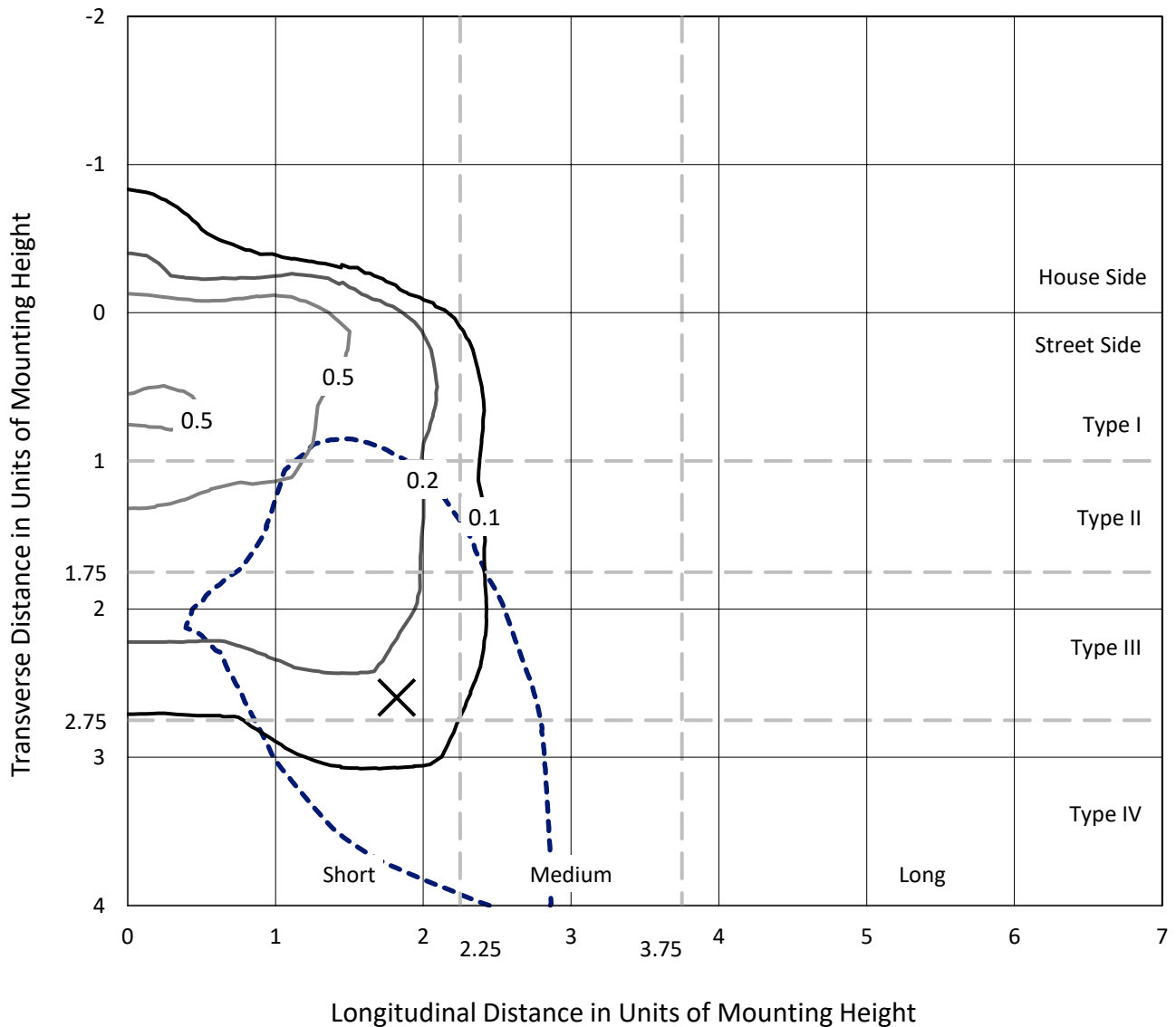
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852104  
 CATALOG NUMBER: GLAN-SB1B-850-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

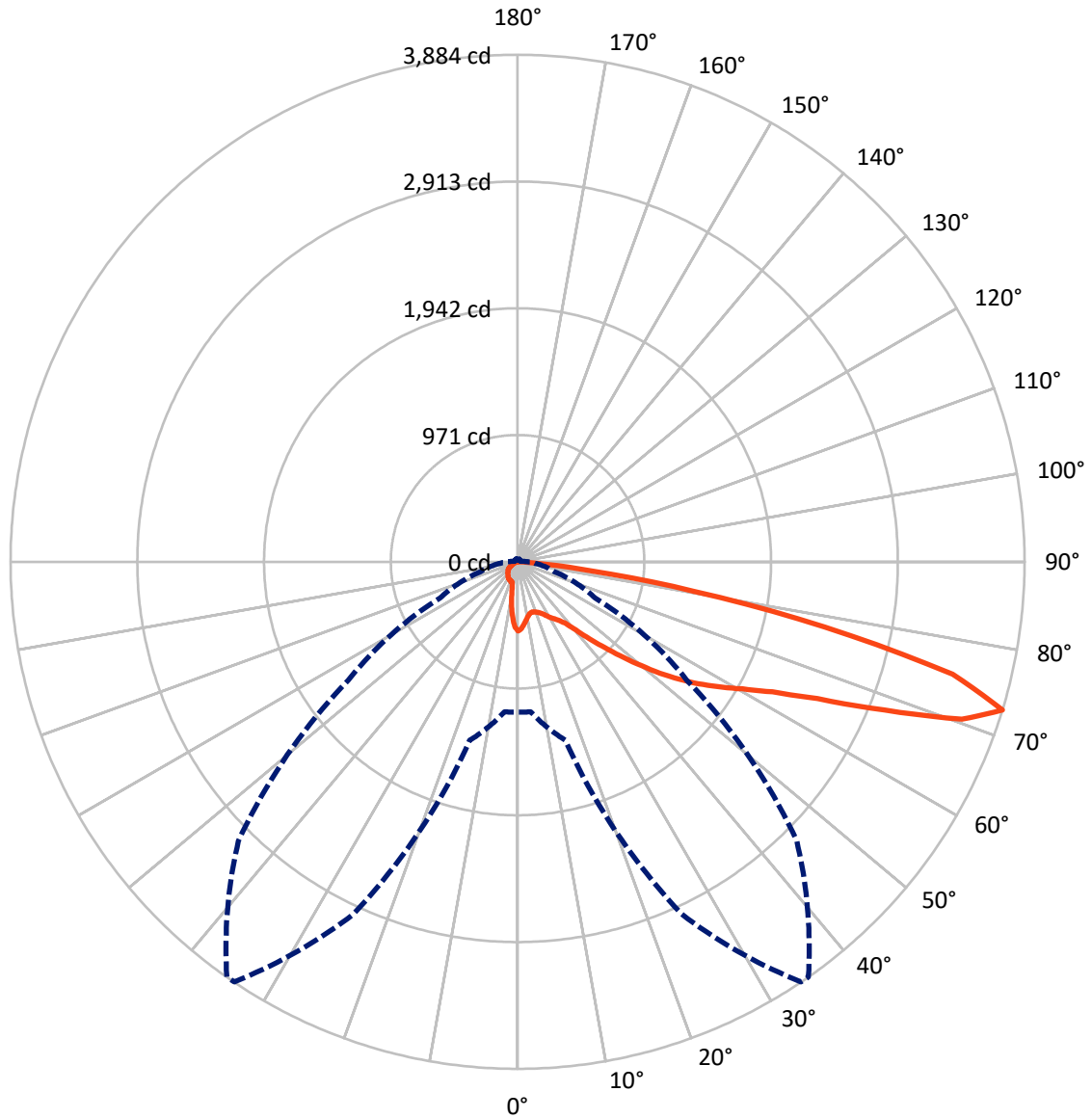
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852104  
CATALOG NUMBER: GLAN-SB1B-850-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P852104  
 CATALOG NUMBER: GLAN-SB1B-850-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	412.1	0.0	412.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	3249.9	0.0	3249.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	3662.0	0.0	3662.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.6	1.2
10°-20°	102.0	2.8
20°-30°	165.7	4.5
30°-40°	276.5	7.6
40°-50°	523.2	14.3
50°-60°	831.4	22.7
60°-70°	1028.5	28.1
70°-80°	639.3	17.5
80°-90°	51.7	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°	3662.0	100.0
0°-180°	3662.0	100.0

**Coefficient of Utilization**



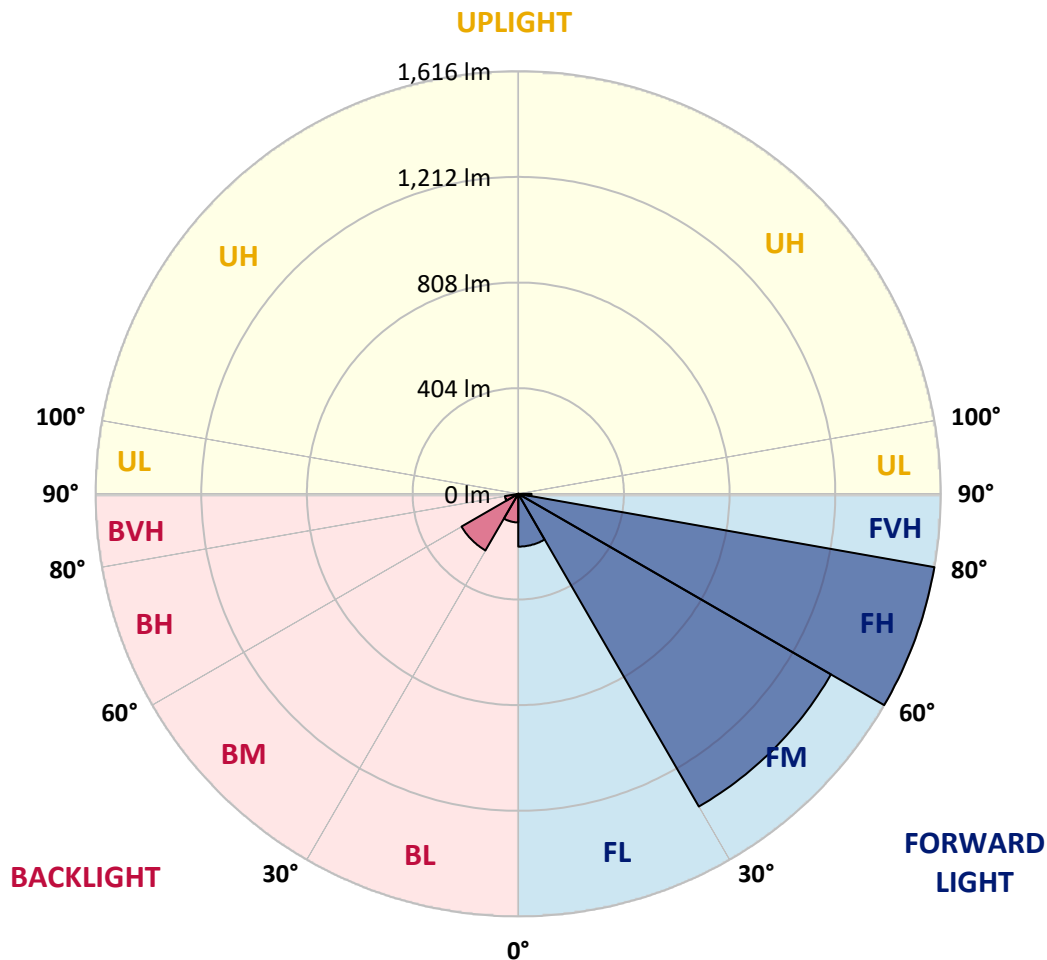
REPORT NUMBER: P852104  
 CATALOG NUMBER: GLAN-SB1B-850-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.9	5.5			
FM (30°-60°)	1380.9	37.7			
FH (60°-80°)	1616.1	44.1			G1/1800
FVH (80°-90°)	51.0	1.4			G1/100
BL (0°-30°)	109.5	3.0	B0/110		
BM (30°-60°)	250.2	6.8	B1/1000		
BH (60°-80°)	51.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1**

Type IV Short



REPORT NUMBER: P852104  
 CATALOG NUMBER: GLAN-SB1B-850-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7
2.5°	507.1	511.4	512.2	513.6	513.6	515.2	517.9	521.6	527.8	531.0
5°	467.4	470.6	474.7	477.9	484.1	484.9	495.3	505.5	519.7	530.5
7.5°	427.4	431.2	436.6	444.3	452.4	454.8	470.6	487.8	510.4	530.5
10°	399.3	399.5	404.4	412.1	425.0	428.0	447.3	471.7	499.9	527.3
12.5°	383.4	385.3	387.5	393.4	405.7	407.6	428.2	457.0	489.4	525.4
15°	383.4	384.8	386.1	389.1	399.0	400.6	418.9	447.6	484.1	526.2
17.5°	387.5	389.6	388.5	392.0	402.5	403.6	419.7	444.9	483.8	531.3
20°	397.1	398.7	396.6	398.7	409.2	411.3	428.0	450.0	488.4	540.1
22.5°	412.4	413.2	408.1	409.7	420.5	423.1	442.5	464.5	499.4	554.4
25°	431.7	433.3	425.6	427.4	437.6	440.9	463.1	486.2	516.8	573.9
27.5°	454.0	454.8	448.1	447.8	461.0	465.5	488.1	513.0	540.1	598.6
30°	479.5	481.9	475.5	474.4	491.0	494.8	517.1	546.0	574.5	635.7
32.5°	499.6	501.5	497.7	500.4	517.3	520.3	552.2	592.7	628.4	688.3
35°	528.6	529.7	521.1	525.9	545.2	552.7	600.2	658.2	696.3	754.3
37.5°	633.5	633.5	597.0	573.1	591.7	598.4	666.0	740.6	780.0	842.8
40°	778.7	776.3	722.9	674.0	671.6	684.8	759.6	844.4	888.2	949.1
42.5°	933.5	929.7	857.0	808.7	800.7	805.2	867.8	972.4	1017.0	1078.7
45°	1070.9	1069.8	1003.3	938.3	923.8	938.3	1002.7	1122.1	1154.1	1219.0
47.5°	1186.0	1186.0	1137.4	1095.0	1087.5	1096.1	1185.5	1288.2	1285.3	1368.5
50°	1318.5	1317.5	1271.3	1253.1	1260.9	1272.9	1395.8	1463.2	1421.0	1515.2
52.5°	1411.4	1417.8	1402.0	1399.0	1438.8	1459.7	1609.4	1634.4	1542.6	1654.5
55°	1484.9	1492.4	1510.7	1531.3	1607.8	1635.2	1816.3	1796.7	1644.3	1775.2
57.5°	1589.0	1578.3	1606.5	1647.2	1770.9	1803.9	2016.7	1949.9	1726.1	1873.2
60°	1715.4	1717.0	1721.8	1773.4	1933.8	1976.2	2214.2	2094.8	1778.7	1933.3
62.5°	1867.3	1869.7	1879.6	1958.8	2152.5	2192.5	2424.6	2213.4	1802.9	1916.4
65°	1856.8	1867.0	1977.8	2248.6	2485.0	2524.4	2670.1	2296.6	1766.4	1761.8
67.5°	1691.5	1708.2	1893.6	2594.7	2986.2	3030.2	2966.9	2313.0	1608.9	1370.1
70°	1474.7	1480.6	1703.6	2906.0	3566.6	3611.1	3232.5	2132.9	1220.9	764.2
72.5°	1151.7	1153.0	1414.6	2978.1	3881.6	3884.0	3024.0	1583.4	656.6	293.5
75°	822.7	814.6	947.5	2415.2	3415.0	3442.3	2267.1	742.7	250.9	138.7
77.5°	441.1	450.0	536.1	1432.3	2359.1	2405.8	1237.0	214.1	127.7	94.5
80°	136.3	143.8	219.8	655.8	1336.3	1364.4	458.6	95.3	89.1	67.3
82.5°	42.9	44.5	102.5	275.6	554.6	567.5	132.8	53.9	60.9	44.5
85°	12.3	12.6	45.6	102.8	137.1	139.8	37.3	20.9	34.9	27.6
87.5°	1.3	4.3	17.2	17.2	12.1	11.8	4.0	4.6	9.9	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852104  
 CATALOG NUMBER: GLAN-SB1B-850-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
530.7	0°	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7
533.2	2.5°	531.8	532.1	528.6	522.7	516.3	510.9	504.2	498.8	495.1	494.0
538.0	5°	535.6	533.7	523.8	505.8	484.3	465.8	445.2	428.8	418.1	413.5
543.1	7.5°	541.2	535.8	514.1	478.7	437.6	401.1	364.1	335.4	317.2	308.0
547.9	10°	546.0	535.3	498.0	439.5	376.7	321.5	271.5	236.9	217.6	208.5
553.6	12.5°	550.6	535.0	477.1	393.1	308.0	240.4	194.0	176.8	171.5	169.6
562.7	15°	559.2	535.8	450.8	340.0	239.6	181.7	164.8	164.5	165.6	165.0
576.6	17.5°	571.0	536.6	421.0	283.6	184.9	160.2	159.4	161.8	163.4	162.6
594.1	20°	586.3	539.9	389.3	227.8	158.8	154.8	156.7	158.8	160.2	158.8
617.4	22.5°	607.8	545.5	354.7	183.0	150.5	151.6	153.2	155.6	157.0	155.1
647.2	25°	634.1	554.4	320.6	159.1	146.5	147.8	150.3	152.9	154.6	152.7
684.8	27.5°	668.1	568.6	289.3	153.8	142.5	143.3	146.8	150.8	152.9	150.5
738.2	30°	717.5	591.9	262.2	156.2	140.1	138.2	143.0	148.7	151.1	148.9
810.9	32.5°	783.0	624.9	245.5	159.9	139.0	132.3	136.8	144.1	148.1	146.8
905.9	35°	868.8	675.1	239.1	164.2	138.2	126.1	129.3	137.1	144.1	145.4
1025.5	37.5°	972.9	744.9	241.0	166.1	135.8	121.0	122.6	129.3	138.5	142.7
1160.2	40°	1091.3	826.2	251.7	164.2	133.1	116.7	117.0	122.1	130.1	136.6
1305.1	42.5°	1213.4	921.2	271.5	157.2	130.7	113.0	112.2	115.6	121.0	125.6
1449.8	45°	1329.5	1018.8	291.1	147.6	127.7	109.2	107.3	108.7	109.7	111.6
1590.6	47.5°	1431.0	1087.5	285.5	138.7	123.7	104.9	101.7	101.2	97.9	97.7
1716.5	50°	1501.0	1102.5	253.6	129.9	117.8	100.1	95.0	91.8	86.1	83.4
1810.7	52.5°	1523.3	1043.2	207.1	121.0	108.1	93.6	86.4	81.3	74.3	71.9
1864.9	55°	1493.8	927.1	165.6	110.3	94.7	85.1	77.0	70.3	64.7	61.7
1870.8	57.5°	1421.6	779.2	130.9	97.7	80.5	75.4	67.3	60.6	55.8	52.9
1805.3	60°	1301.9	618.8	103.6	82.6	68.7	64.9	56.6	52.3	48.0	44.5
1636.2	62.5°	1120.3	441.7	81.3	65.5	57.4	53.1	48.3	45.1	40.0	35.2
1332.2	65°	874.2	270.2	62.8	48.0	46.2	44.0	41.1	38.1	31.9	27.1
869.1	67.5°	551.4	128.0	44.8	36.2	36.5	35.4	34.1	31.7	27.1	22.8
389.3	70°	242.8	62.0	29.5	27.6	27.1	27.1	28.2	27.4	23.1	19.1
135.2	72.5°	82.6	33.3	22.0	20.9	19.6	19.3	23.6	22.8	18.5	14.8
67.3	75°	43.2	22.3	16.1	15.0	11.8	14.2	18.8	17.7	13.1	9.7
44.5	77.5°	28.2	15.8	11.0	9.7	6.7	9.4	14.0	12.3	7.8	4.8
29.2	80°	17.7	10.5	6.4	4.6	3.2	5.1	7.5	5.4	3.0	1.1
17.2	82.5°	9.4	5.4	2.4	1.6	1.3	1.6	1.9	1.3	0.5	0.0
8.9	85°	3.8	1.9	0.8	0.5	0.3	0.0	0.5	0.3	0.0	0.0
1.6	87.5°	1.3	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/>
530.7
495.9
415.1
309.4
208.8
169.0
164.8
162.3
158.6
154.8
152.4
150.5
148.7
146.8
145.4
143.8
138.7
127.5
112.7
97.4
83.7
71.6
61.7
52.3
43.7
34.3
26.3
22.3
18.2
14.0
8.9
4.3
0.8
0.0
0.0
0.0
0.0
0.0

F REPORT)