

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: P852130

Luminaire Tested: **GLAN-SB1C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852130  
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-SB1C-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 615mA 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: 4523 lumens  
Efficiency: N/A  
Efficacy: 83.1 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

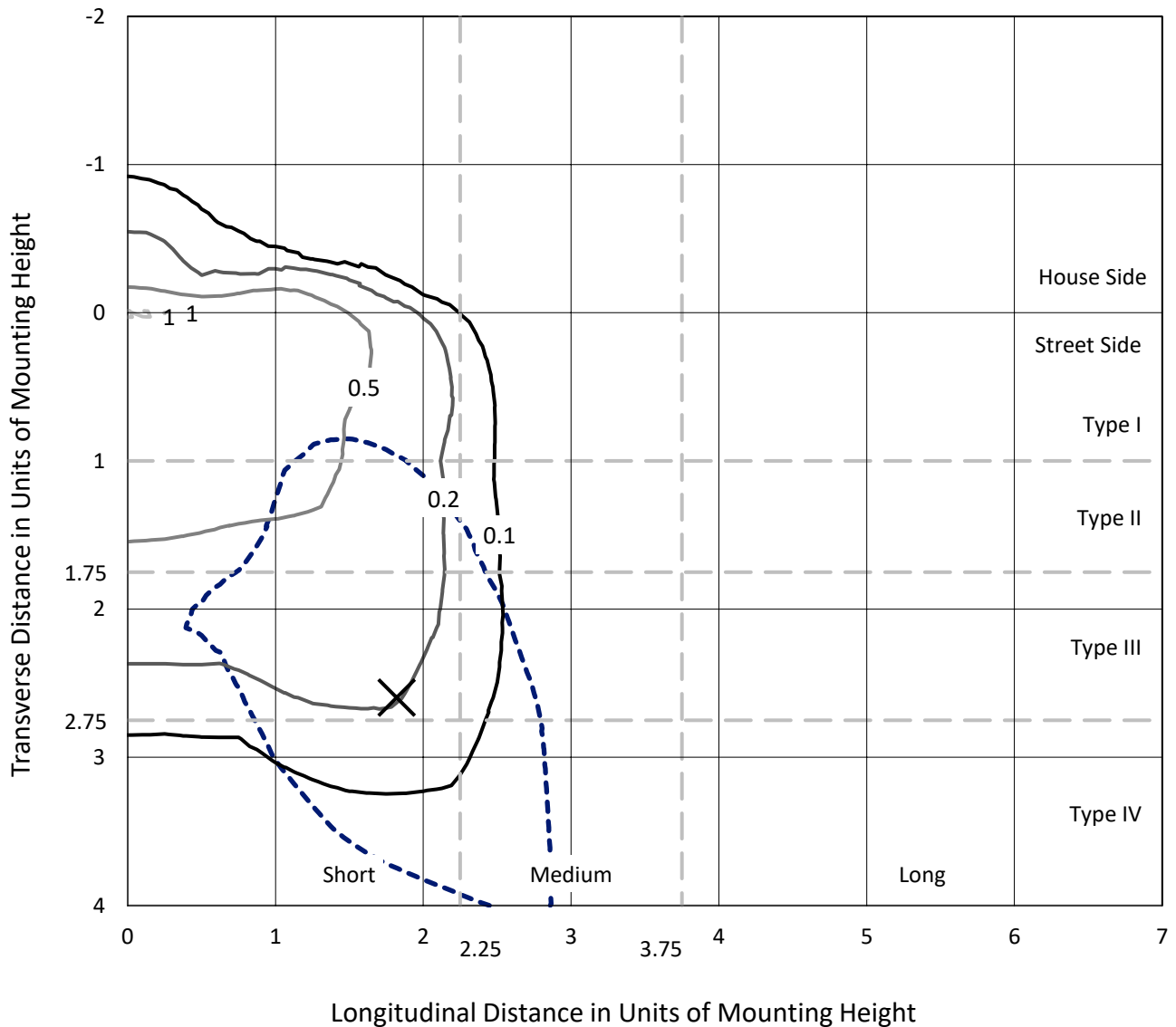
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852130  
 CATALOG NUMBER: GLAN-SB1C-827-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

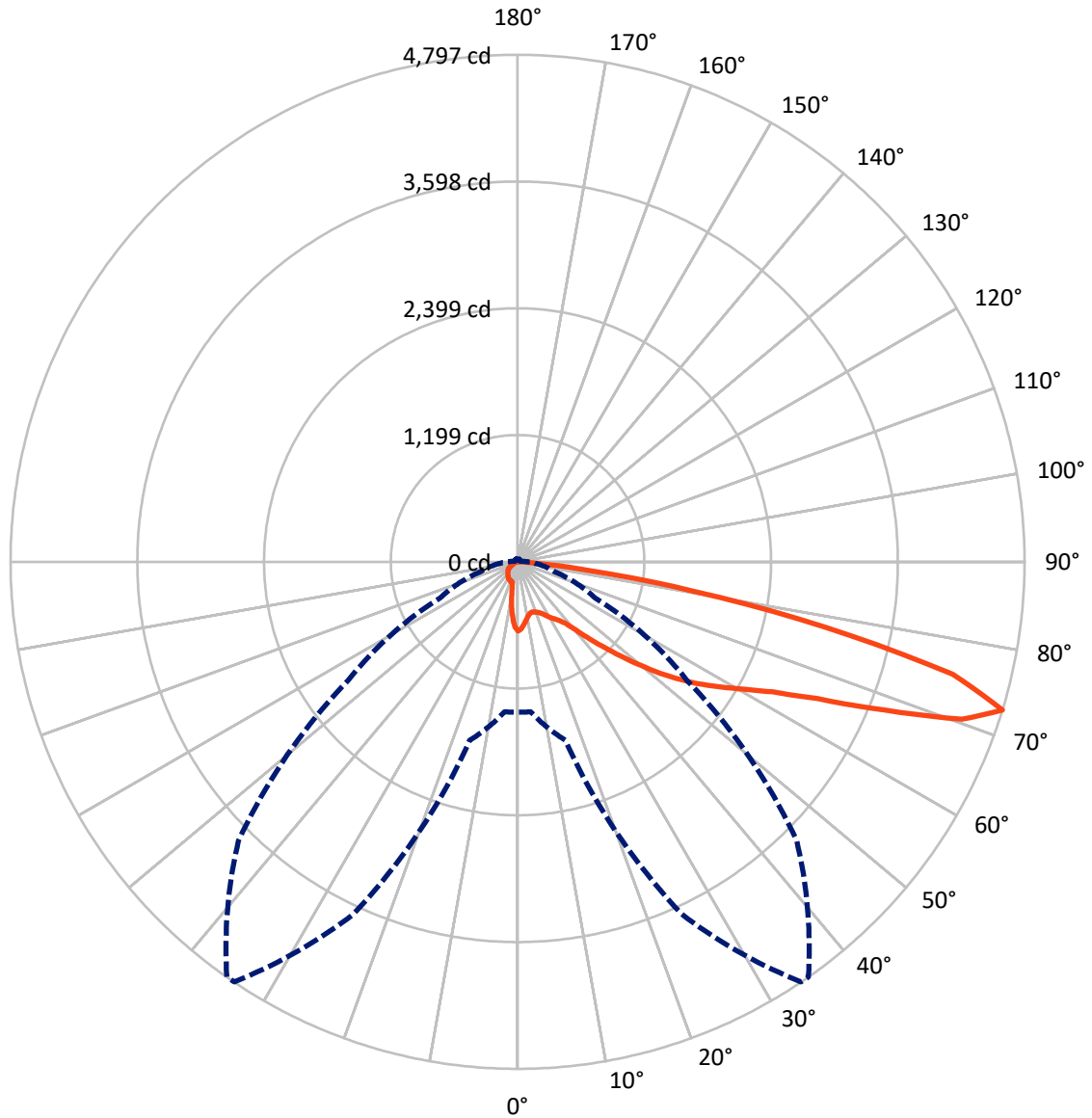
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P852130  
CATALOG NUMBER: GLAN-SB1C-827-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P852130  
 CATALOG NUMBER: GLAN-SB1C-827-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	509.0	0.0	509.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	4014.0	0.0	4014.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	4523.0	0.0	4523.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.9	1.2
10°-20°	126.0	2.8
20°-30°	204.7	4.5
30°-40°	341.6	7.6
40°-50°	646.2	14.3
50°-60°	1026.9	22.7
60°-70°	1270.3	28.1
70°-80°	789.6	17.5
80°-90°	63.8	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°	4523.0	100.0
0°-180°	4523.0	100.0

**Coefficient of Utilization**



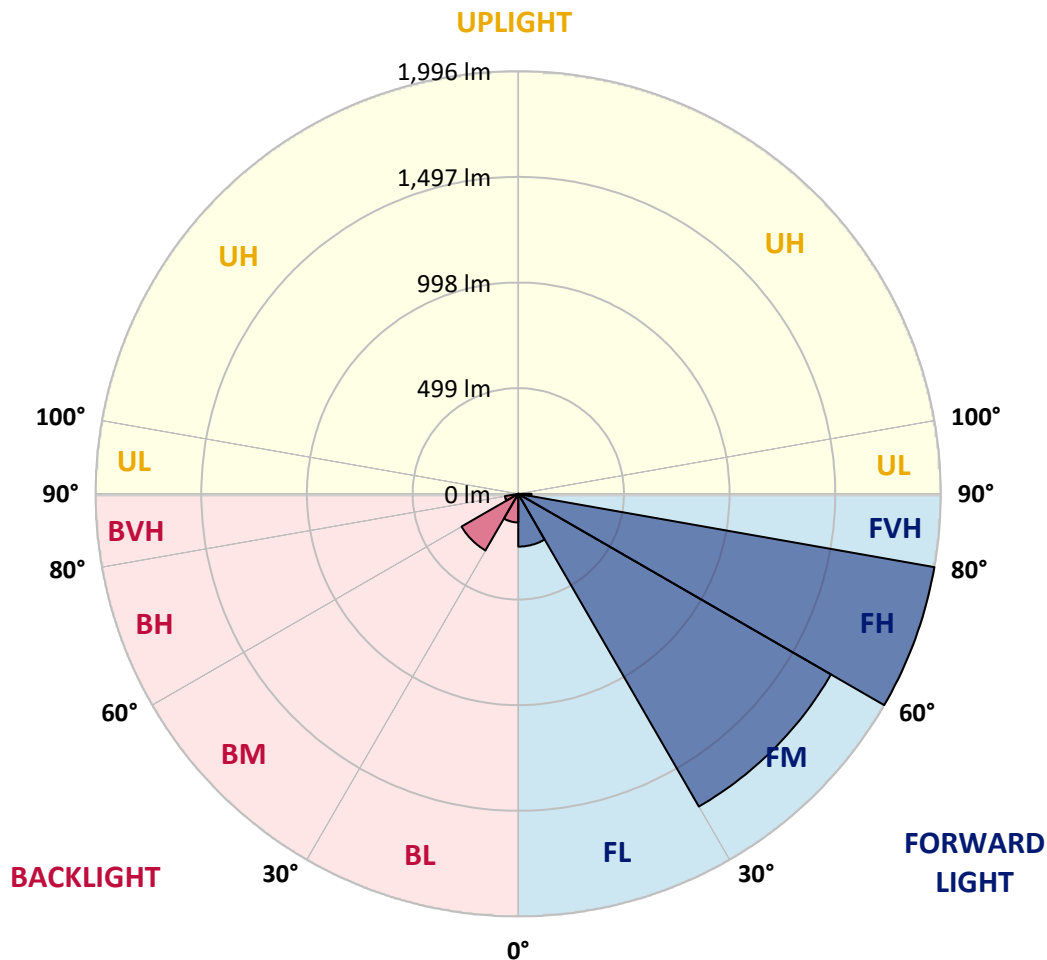
REPORT NUMBER: P852130  
 CATALOG NUMBER: GLAN-SB1C-827-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.3	5.5			
FM (30°-60°)	1705.6	37.7			
FH (60°-80°)	1996.1	44.1			G2/5000
FVH (80°-90°)	62.9	1.4			G1/100
BL (0°-30°)	135.3	3.0	B1/500		
BM (30°-60°)	309.0	6.8	B1/1000		
BH (60°-80°)	63.9	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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: P852130  
 CATALOG NUMBER: GLAN-SB1C-827-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	655.5	655.5	655.5	655.5	655.5	655.5	655.5	655.5	655.5	655.5
2.5°	626.4	631.7	632.7	634.3	634.3	636.3	639.6	644.3	651.9	655.9
5°	577.3	581.3	586.3	590.2	597.9	598.9	611.8	624.4	641.9	655.2
7.5°	527.9	532.6	539.2	548.8	558.8	561.7	581.3	602.5	630.3	655.2
10°	493.1	493.5	499.4	509.0	525.0	528.6	552.5	582.6	617.4	651.2
12.5°	473.6	475.9	478.6	485.9	501.1	503.4	528.9	564.4	604.5	648.9
15°	473.6	475.2	476.9	480.5	492.8	494.8	517.3	552.8	597.9	649.9
17.5°	478.6	481.2	479.9	484.2	497.1	498.4	518.3	549.5	597.5	656.2
20°	490.5	492.5	489.8	492.5	505.4	508.1	528.6	555.8	603.2	667.1
22.5°	509.4	510.4	504.1	506.1	519.3	522.6	546.5	573.7	616.8	684.7
25°	533.2	535.2	525.6	527.9	540.5	544.5	572.0	600.5	638.3	708.9
27.5°	560.8	561.7	553.5	553.1	569.4	575.0	602.8	633.7	667.1	739.4
30°	592.2	595.2	587.3	585.9	606.5	611.1	638.6	674.4	709.6	785.1
32.5°	617.1	619.4	614.8	618.1	639.0	642.6	682.0	732.1	776.2	850.1
35°	652.9	654.2	643.6	649.6	673.4	682.7	741.4	813.0	860.0	931.6
37.5°	782.5	782.5	737.4	707.9	730.8	739.1	822.6	914.7	963.4	1041.0
40°	961.8	958.8	892.8	832.5	829.5	845.8	938.2	1043.0	1097.0	1172.2
42.5°	1153.0	1148.3	1058.5	998.9	988.9	994.6	1071.8	1201.0	1256.1	1332.3
45°	1322.7	1321.3	1239.2	1159.0	1141.1	1159.0	1238.5	1386.0	1425.4	1505.6
47.5°	1464.8	1464.8	1404.9	1352.5	1343.2	1353.8	1464.2	1591.1	1587.5	1690.2
50°	1628.6	1627.2	1570.2	1547.7	1557.3	1572.2	1724.0	1807.2	1755.2	1871.5
52.5°	1743.2	1751.2	1731.6	1728.0	1777.0	1802.9	1987.8	2018.6	1905.3	2043.5
55°	1834.0	1843.3	1865.9	1891.4	1985.8	2019.6	2243.3	2219.1	2030.9	2192.6
57.5°	1962.6	1949.4	1984.2	2034.5	2187.3	2228.1	2490.9	2408.4	2132.0	2313.6
60°	2118.7	2120.7	2126.7	2190.3	2388.5	2440.9	2734.8	2587.3	2196.9	2387.8
62.5°	2306.3	2309.3	2321.5	2419.3	2658.6	2708.0	2994.6	2733.8	2226.8	2366.9
65°	2293.4	2306.0	2442.8	2777.2	3069.2	3117.9	3297.9	2836.6	2181.7	2176.1
67.5°	2089.2	2109.8	2338.8	3204.8	3688.3	3742.6	3664.4	2856.8	1987.2	1692.2
70°	1821.4	1828.7	2104.1	3589.2	4405.1	4460.2	3992.5	2634.4	1507.9	943.9
72.5°	1422.4	1424.1	1747.2	3678.3	4794.2	4797.2	3735.0	1955.7	811.0	362.6
75°	1016.1	1006.2	1170.2	2983.0	4217.9	4251.7	2800.1	917.4	309.9	171.3
77.5°	544.8	555.8	662.2	1769.1	2913.8	2971.4	1527.8	264.5	157.8	116.7
80°	168.4	177.6	271.4	810.0	1650.4	1685.2	566.4	117.7	110.0	83.2
82.5°	53.0	55.0	126.6	340.4	685.0	700.9	164.0	66.6	75.2	55.0
85°	15.2	15.6	56.3	126.9	169.4	172.7	46.1	25.9	43.1	34.1
87.5°	1.7	5.3	21.2	21.2	14.9	14.6	5.0	5.6	12.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852130  
 CATALOG NUMBER: GLAN-SB1C-827-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
655.5	0°	655.5	655.5	655.5	655.5	655.5	655.5	655.5	655.5	655.5	655.5
658.5	2.5°	656.9	657.2	652.9	645.6	637.6	631.0	622.7	616.1	611.5	610.1
664.5	5°	661.5	659.2	646.9	624.7	598.2	575.3	549.8	529.6	516.3	510.7
670.8	7.5°	668.5	661.8	635.0	591.2	540.5	495.5	449.7	414.3	391.7	380.5
676.7	10°	674.4	661.2	615.1	542.9	465.3	397.0	335.4	292.6	268.8	257.5
683.7	12.5°	680.1	660.8	589.3	485.5	380.5	296.9	239.6	218.4	211.8	209.5
695.0	15°	690.7	661.8	556.8	419.9	296.0	224.4	203.5	203.2	204.5	203.8
712.2	17.5°	705.2	662.8	520.0	350.3	228.3	197.9	196.9	199.8	201.8	200.8
733.7	20°	724.1	666.8	480.9	281.4	196.2	191.2	193.5	196.2	197.9	196.2
762.6	22.5°	750.6	673.8	438.1	226.0	185.9	187.2	189.2	192.2	193.9	191.6
799.4	25°	783.1	684.7	396.0	196.5	181.0	182.6	185.6	188.9	190.9	188.6
845.8	27.5°	825.2	702.3	357.3	189.9	176.0	177.0	181.3	186.3	188.9	185.9
911.7	30°	886.2	731.1	323.8	192.9	173.0	170.7	176.6	183.6	186.6	183.9
1001.5	32.5°	967.1	771.9	303.2	197.5	171.7	163.4	169.0	178.0	182.9	181.3
1118.8	35°	1073.1	833.8	295.3	202.8	170.7	155.8	159.7	169.4	178.0	179.6
1266.7	37.5°	1201.7	920.0	297.6	205.1	167.7	149.5	151.5	159.7	171.0	176.3
1433.0	40°	1347.9	1020.4	310.9	202.8	164.4	144.2	144.5	150.8	160.7	168.7
1612.0	42.5°	1498.6	1137.7	335.4	194.2	161.4	139.5	138.5	142.8	149.5	155.1
1790.6	45°	1642.1	1258.4	359.6	182.3	157.8	134.9	132.6	134.2	135.5	137.9
1964.6	47.5°	1767.4	1343.2	352.6	171.3	152.8	129.6	125.6	124.9	121.0	120.6
2120.0	50°	1853.9	1361.8	313.2	160.4	145.5	123.6	117.3	113.3	106.4	103.1
2236.4	52.5°	1881.4	1288.5	255.9	149.5	133.6	115.7	106.7	100.4	91.8	88.8
2303.3	55°	1845.0	1145.0	204.5	136.2	117.0	105.1	95.1	86.8	79.9	76.2
2310.6	57.5°	1755.8	962.4	161.7	120.6	99.4	93.1	83.2	74.9	68.9	65.3
2229.7	60°	1608.0	764.2	127.9	102.1	84.8	80.2	69.9	64.6	59.3	55.0
2021.0	62.5°	1383.6	545.5	100.4	80.9	70.9	65.6	59.7	55.7	49.4	43.4
1645.5	65°	1079.7	333.7	77.6	59.3	57.0	54.4	50.7	47.1	39.4	33.5
1073.4	67.5°	681.1	158.1	55.3	44.7	45.1	43.7	42.1	39.1	33.5	28.2
480.9	70°	299.9	76.6	36.5	34.1	33.5	33.5	34.8	33.8	28.5	23.5
167.0	72.5°	102.1	41.1	27.2	25.9	24.2	23.9	29.2	28.2	22.9	18.2
83.2	75°	53.4	27.5	19.9	18.6	14.6	17.6	23.2	21.9	16.2	11.9
55.0	77.5°	34.8	19.6	13.6	11.9	8.3	11.6	17.2	15.2	9.6	6.0
36.1	80°	21.9	12.9	8.0	5.6	4.0	6.3	9.3	6.6	3.6	1.3
21.2	82.5°	11.6	6.6	3.0	2.0	1.7	2.0	2.3	1.7	0.7	0.0
10.9	85°	4.6	2.3	1.0	0.7	0.3	0.0	0.7	0.3	0.0	0.0
2.0	87.5°	1.7	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°
655.5
612.5
512.7
382.1
257.8
208.8
203.5
200.5
195.9
191.2
188.2
185.9
183.6
181.3
179.6
177.6
171.3
157.4
139.2
120.3
103.4
88.5
76.2
64.6
54.0
42.4
32.5
27.5
22.5
17.2
10.9
5.3
1.0
0.0
0.0
0.0
0.0

F REPORT)