

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: P852210

Luminaire Tested: **GLAN-SB2A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852210
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-SB2A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4582 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

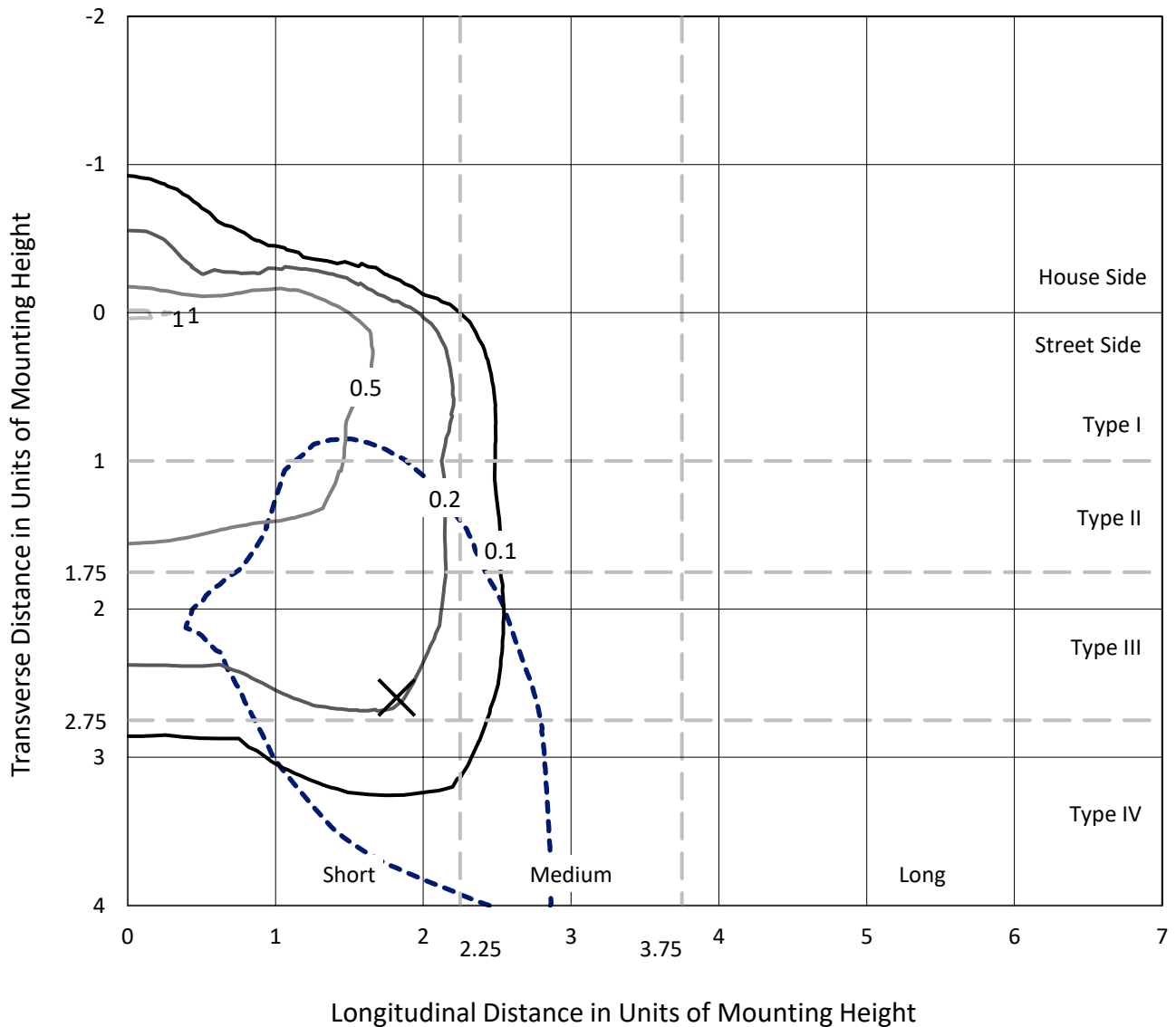
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852210
 CATALOG NUMBER: GLAN-SB2A-930-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

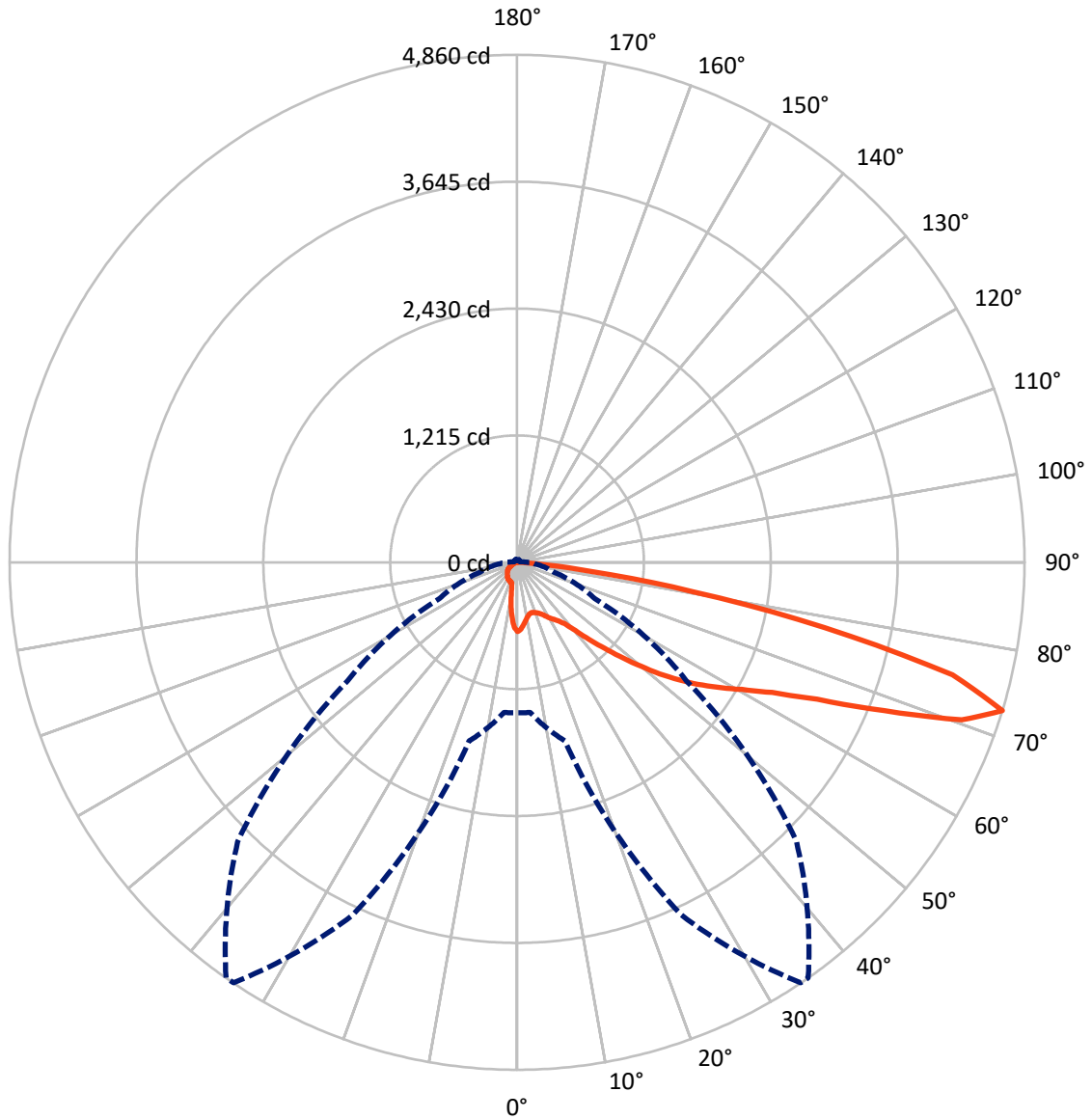
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P852210
CATALOG NUMBER: GLAN-SB2A-930-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852210
 CATALOG NUMBER: GLAN-SB2A-930-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.7	0.0	515.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4066.3	0.0	4066.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	4582.0	0.0	4582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	1.2
10°-20°	127.7	2.8
20°-30°	207.4	4.5
30°-40°	346.0	7.6
40°-50°	654.7	14.3
50°-60°	1040.3	22.7
60°-70°	1286.9	28.1
70°-80°	799.9	17.5
80°-90°	64.7	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°	4582.0	100.0
0°-180°	4582.0	100.0

Coefficient of Utilization

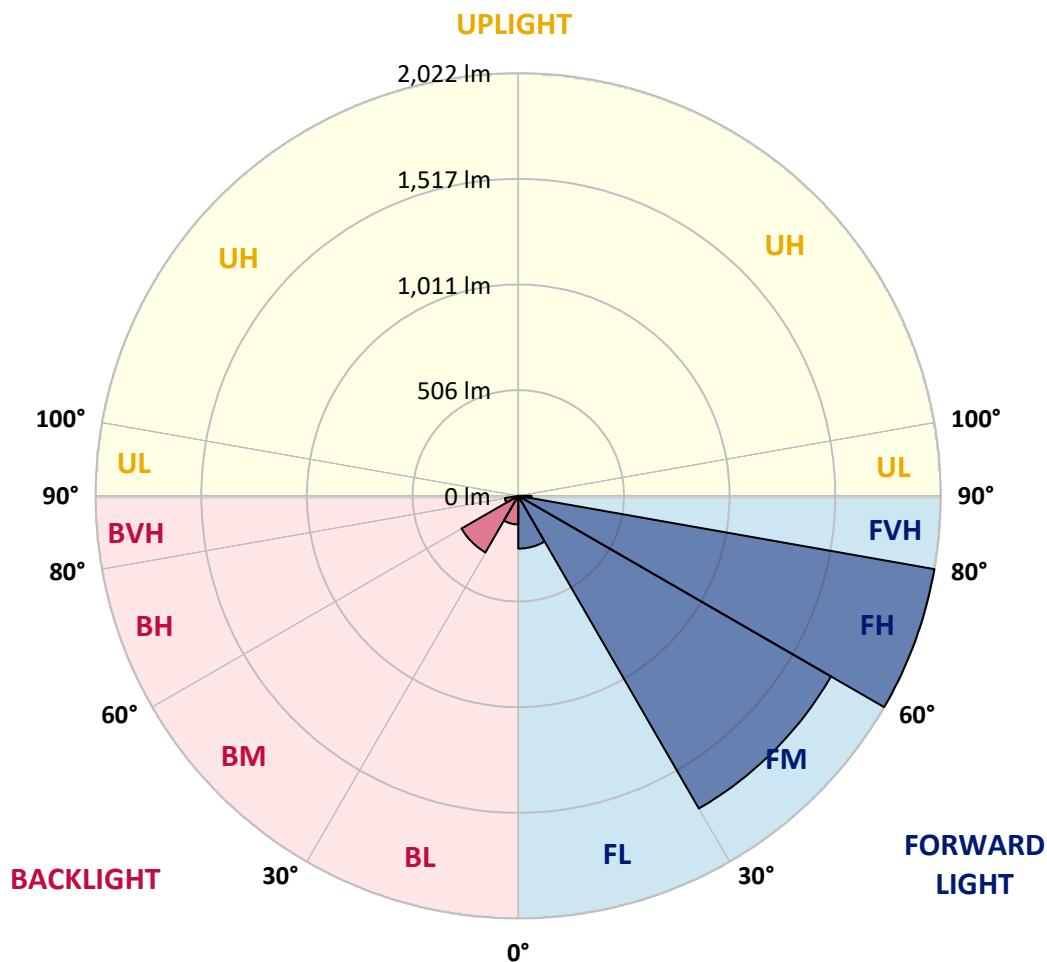


REPORT NUMBER: P852210
 CATALOG NUMBER: GLAN-SB2A-930-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.6	5.5			
FM (30°-60°)	1727.9	37.7			
FH (60°-80°)	2022.1	44.1			G2/5000
FVH (80°-90°)	63.8	1.4			G1/100
BL (0°-30°)	137.0	3.0	B1/500		
BM (30°-60°)	313.1	6.8	B1/1000		
BH (60°-80°)	64.7	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: P852210
 CATALOG NUMBER: GLAN-SB2A-930-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1
2.5°	634.5	639.9	640.9	642.6	642.6	644.6	648.0	652.7	660.4	664.4
5°	584.9	588.9	593.9	597.9	605.7	606.7	619.8	632.5	650.3	663.7
7.5°	534.8	539.5	546.2	556.0	566.1	569.1	588.9	610.4	638.6	663.7
10°	499.6	499.9	506.0	515.7	531.8	535.5	559.7	590.2	625.5	659.7
12.5°	479.8	482.1	484.8	492.2	507.6	510.0	535.8	571.8	612.4	657.4
15°	479.8	481.4	483.1	486.8	499.2	501.3	524.1	560.0	605.7	658.4
17.5°	484.8	487.5	486.1	490.5	503.6	504.9	525.1	556.6	605.3	664.8
20°	496.9	498.9	496.2	498.9	512.0	514.7	535.5	563.0	611.0	675.8
22.5°	516.0	517.0	510.7	512.7	526.1	529.5	553.6	581.2	624.8	693.6
25°	540.2	542.2	532.5	534.8	547.6	551.6	579.5	608.4	646.6	718.1
27.5°	568.1	569.1	560.7	560.3	576.8	582.5	610.7	641.9	675.8	749.0
30°	600.0	603.0	594.9	593.6	614.4	619.1	647.0	683.2	718.8	795.4
32.5°	625.1	627.5	622.8	626.1	647.3	651.0	690.9	741.6	786.3	861.2
35°	661.4	662.7	652.0	658.0	682.2	691.6	751.0	823.6	871.2	943.8
37.5°	792.7	792.7	747.0	717.1	740.3	748.7	833.3	926.6	976.0	1054.5
40°	974.3	971.3	904.5	843.4	840.3	856.8	950.5	1056.6	1111.3	1187.5
42.5°	1168.0	1163.3	1072.3	1011.9	1001.8	1007.5	1085.8	1216.7	1272.4	1349.7
45°	1339.9	1338.6	1255.3	1174.1	1155.9	1174.1	1254.6	1404.0	1444.0	1525.2
47.5°	1484.0	1484.0	1423.2	1370.1	1360.7	1371.5	1483.3	1611.9	1608.2	1712.3
50°	1649.8	1648.5	1590.7	1567.9	1577.6	1592.7	1746.5	1830.8	1778.1	1895.9
52.5°	1766.0	1774.0	1754.2	1750.5	1800.2	1826.4	2013.7	2045.0	1930.1	2070.1
55°	1858.0	1867.4	1890.2	1916.0	2011.7	2046.0	2272.6	2248.1	2057.4	2221.2
57.5°	1988.2	1974.8	2010.1	2061.1	2215.9	2257.2	2523.4	2439.8	2159.8	2343.8
60°	2146.4	2148.4	2154.4	2218.9	2419.6	2472.7	2770.5	2621.1	2225.6	2419.0
62.5°	2336.4	2339.4	2351.8	2450.9	2693.3	2743.3	3033.7	2769.5	2255.8	2397.8
65°	2323.3	2336.0	2474.7	2813.5	3109.2	3158.6	3340.9	2873.6	2210.1	2204.4
67.5°	2116.5	2137.3	2369.3	3246.6	3736.4	3791.5	3712.2	2894.0	2013.1	1714.3
70°	1845.2	1852.6	2131.6	3636.0	4462.6	4518.3	4044.6	2668.8	1527.6	956.2
72.5°	1441.0	1442.7	1770.0	3726.3	4856.8	4859.8	3783.7	1981.2	821.5	367.3
75°	1029.4	1019.3	1185.5	3022.0	4272.9	4307.2	2836.6	929.3	313.9	173.6
77.5°	551.9	563.0	670.8	1792.2	2951.8	3010.2	1547.7	267.9	159.8	118.2
80°	170.6	180.0	275.0	820.5	1672.0	1707.2	573.8	119.2	111.5	84.3
82.5°	53.7	55.7	128.3	344.8	694.0	710.1	166.2	67.5	76.2	55.7
85°	15.4	15.8	57.1	128.6	171.6	174.9	46.7	26.2	43.6	34.6
87.5°	1.7	5.4	21.5	21.5	15.1	14.8	5.0	5.7	12.4	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852210
 CATALOG NUMBER: GLAN-SB2A-930-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
664.1	0°	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1
667.1	2.5°	665.4	665.8	661.4	654.0	646.0	639.2	630.8	624.1	619.4	618.1
673.2	5°	670.1	667.8	655.4	632.9	606.0	582.8	557.0	536.5	523.1	517.4
679.5	7.5°	677.2	670.5	643.3	599.0	547.6	501.9	455.6	419.7	396.8	385.4
685.6	10°	683.2	669.8	623.1	549.9	471.4	402.2	339.8	296.5	272.3	260.9
692.6	12.5°	688.9	669.5	596.9	491.9	385.4	300.8	242.7	221.2	214.5	212.2
704.0	15°	699.7	670.5	564.0	425.4	299.8	227.3	206.1	205.8	207.1	206.5
721.5	17.5°	714.4	671.5	526.8	354.9	231.3	200.4	199.4	202.4	204.5	203.5
743.3	20°	733.6	675.5	487.2	285.0	198.8	193.7	196.1	198.8	200.4	198.8
772.5	22.5°	760.4	682.6	443.8	229.0	188.3	189.7	191.7	194.7	196.4	194.1
809.8	25°	793.3	693.6	401.2	199.1	183.3	185.0	188.0	191.4	193.4	191.0
856.8	27.5°	836.0	711.4	361.9	192.4	178.3	179.3	183.6	188.7	191.4	188.3
923.6	30°	897.8	740.6	328.0	195.4	175.3	172.9	178.9	186.0	189.0	186.3
1014.6	32.5°	979.7	781.9	307.2	200.1	173.9	165.5	171.2	180.3	185.3	183.6
1133.4	35°	1087.1	844.7	299.1	205.5	172.9	157.8	161.8	171.6	180.3	182.0
1283.2	37.5°	1217.4	932.0	301.5	207.8	169.9	151.4	153.4	161.8	173.2	178.6
1451.7	40°	1365.4	1033.7	314.9	205.5	166.5	146.0	146.4	152.8	162.8	170.9
1633.0	42.5°	1518.2	1152.6	339.8	196.7	163.5	141.3	140.3	144.7	151.4	157.1
1814.0	45°	1663.6	1274.8	364.3	184.7	159.8	136.6	134.3	136.0	137.3	139.7
1990.2	47.5°	1790.5	1360.7	357.2	173.6	154.8	131.3	127.2	126.6	122.5	122.2
2147.7	50°	1878.1	1379.5	317.3	162.5	147.4	125.2	118.9	114.8	107.8	104.4
2265.5	52.5°	1906.0	1305.3	259.2	151.4	135.3	117.2	108.1	101.7	93.0	90.0
2333.4	55°	1869.0	1160.0	207.1	138.0	118.5	106.4	96.4	88.0	80.9	77.2
2340.8	57.5°	1778.7	975.0	163.8	122.2	100.7	94.3	84.3	75.9	69.8	66.1
2258.8	60°	1629.0	774.2	129.6	103.4	85.9	81.2	70.8	65.5	60.1	55.7
2047.3	62.5°	1401.7	552.6	101.7	81.9	71.8	66.5	60.4	56.4	50.0	44.0
1666.9	65°	1093.8	338.1	78.6	60.1	57.7	55.1	51.4	47.7	40.0	33.9
1087.4	67.5°	689.9	160.1	56.1	45.3	45.7	44.3	42.6	39.6	33.9	28.5
487.2	70°	303.8	77.6	36.9	34.6	33.9	33.9	35.3	34.2	28.9	23.8
169.2	72.5°	103.4	41.6	27.5	26.2	24.5	24.2	29.5	28.5	23.2	18.5
84.3	75°	54.1	27.9	20.1	18.8	14.8	17.8	23.5	22.2	16.5	12.1
55.7	77.5°	35.3	19.8	13.8	12.1	8.4	11.8	17.5	15.4	9.7	6.0
36.6	80°	22.2	13.1	8.1	5.7	4.0	6.4	9.4	6.7	3.7	1.3
21.5	82.5°	11.8	6.7	3.0	2.0	1.7	2.0	2.4	1.7	0.7	0.0
11.1	85°	4.7	2.4	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°
<hr/>
664.1
620.4
519.4
387.1
261.2
211.5
206.1
203.1
198.4
193.7
190.7
188.3
186.0
183.6
182.0
180.0
173.6
159.5
141.0
121.9
104.7
89.6
77.2
65.5
54.7
43.0
32.9
27.9
22.8
17.5
11.1
5.4
1.0
0.0
0.0
0.0
0.0

F REPORT)