

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: P852176

Luminaire Tested: **GLAN-SB1D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852176
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-SB1D-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA 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: 5200 lumens
Efficiency: N/A
Efficacy: 65.3 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

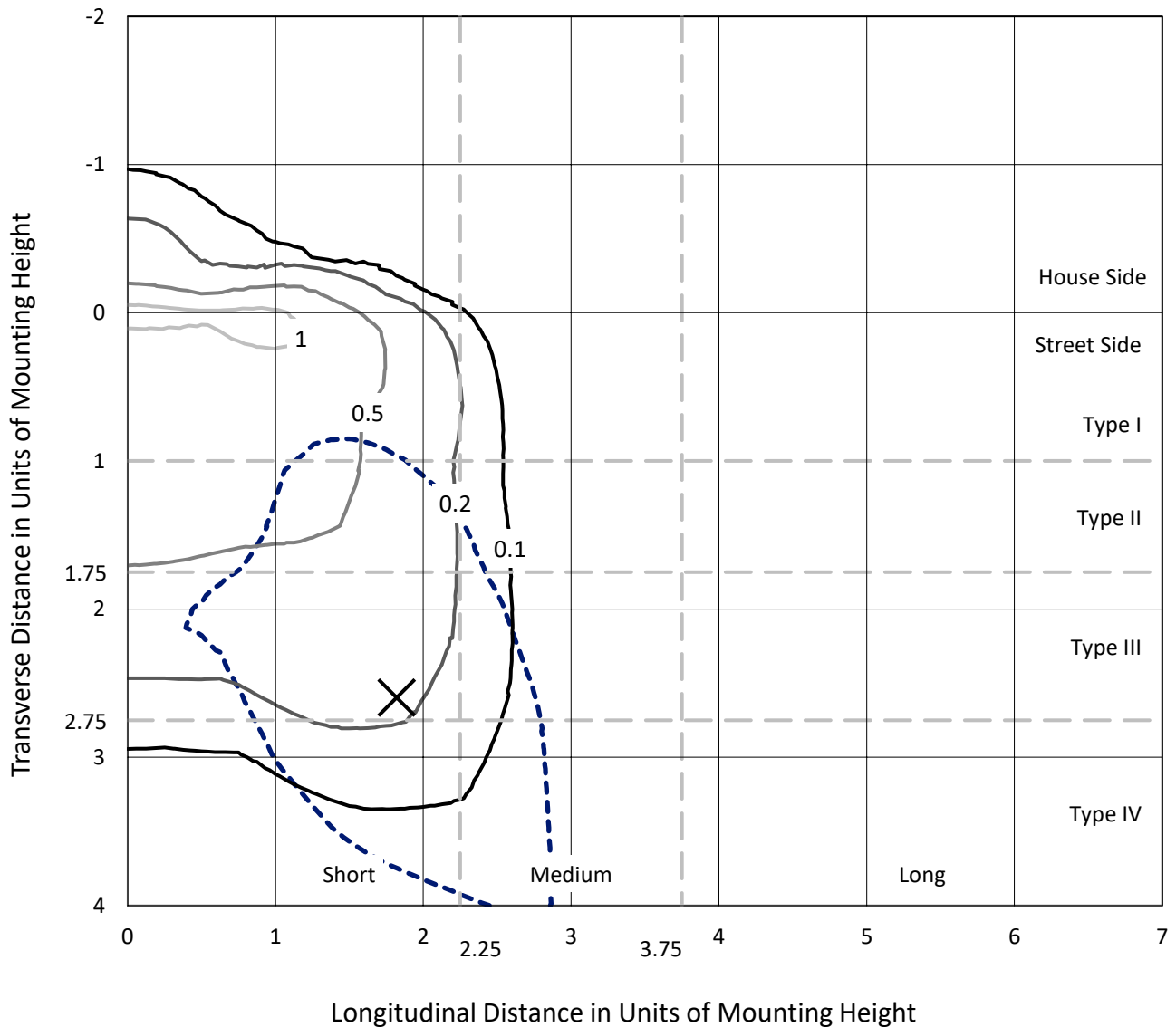
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852176
 CATALOG NUMBER: GLAN-SB1D-930-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

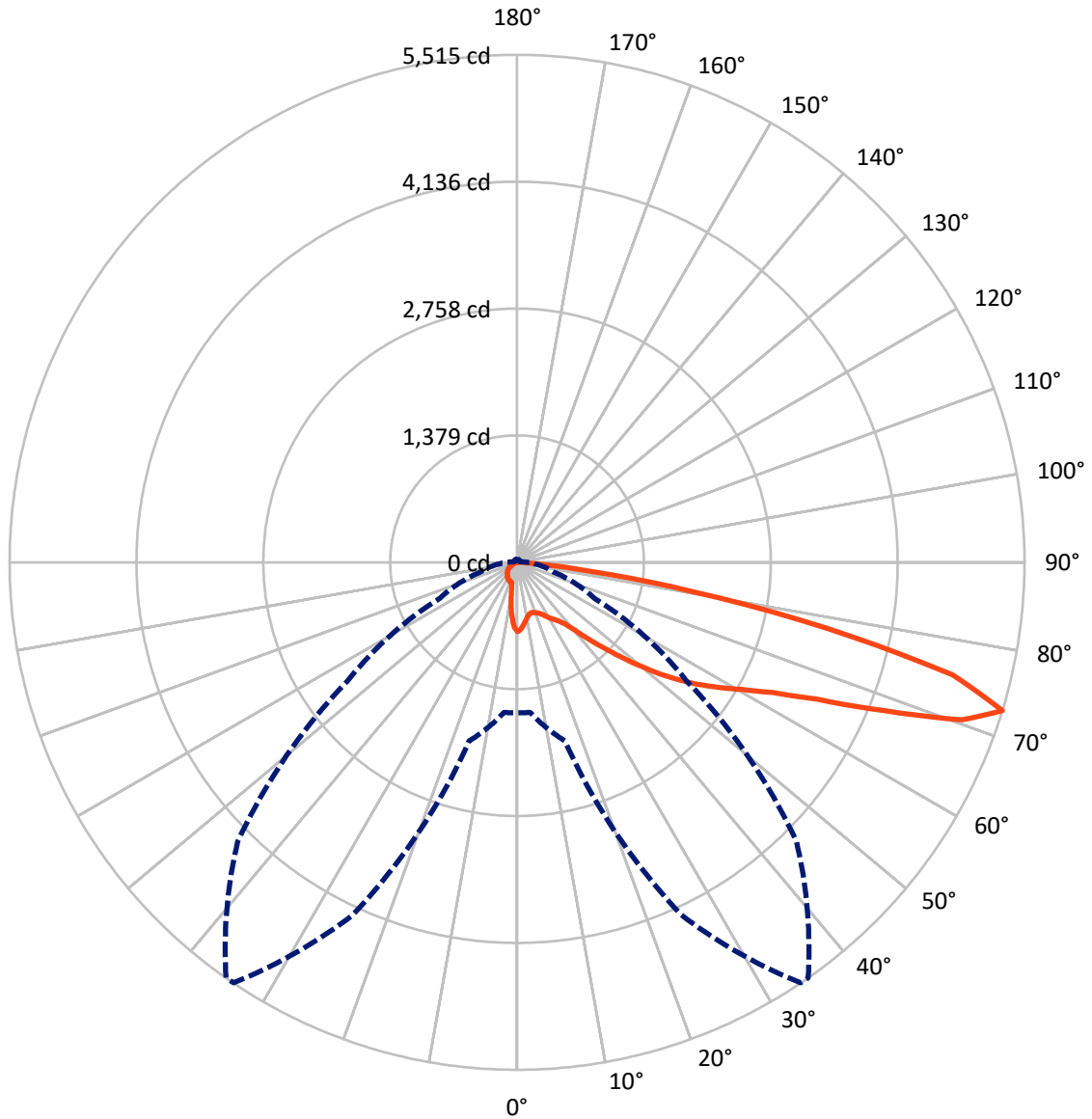
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P852176
CATALOG NUMBER: GLAN-SB1D-930-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852176
 CATALOG NUMBER: GLAN-SB1D-930-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.2	0.0	585.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4614.8	0.0	4614.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	5200.0	0.0	5200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.2
10°-20°	144.9	2.8
20°-30°	235.4	4.5
30°-40°	392.7	7.6
40°-50°	743.0	14.3
50°-60°	1180.6	22.7
60°-70°	1460.4	28.1
70°-80°	907.8	17.5
80°-90°	73.4	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°	5200.0	100.0
0°-180°	5200.0	100.0

Coefficient of Utilization



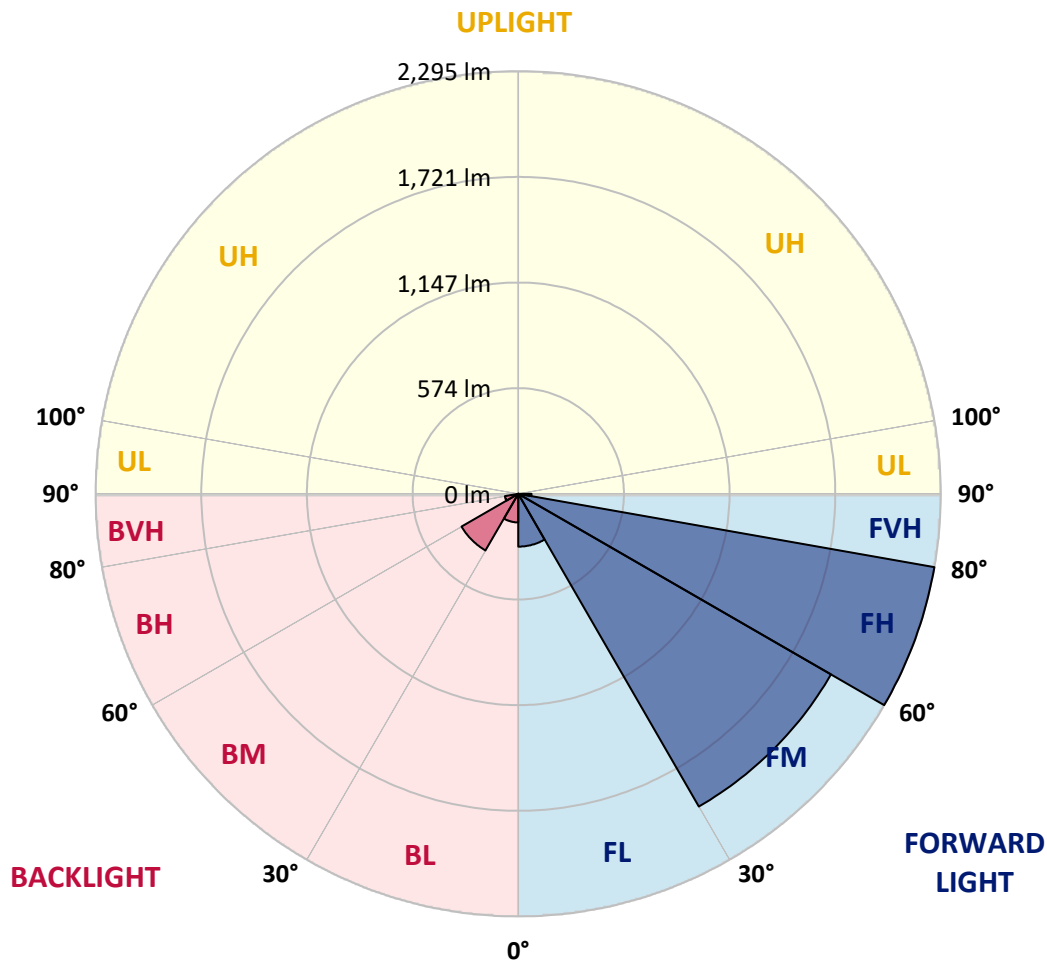
REPORT NUMBER: P852176
 CATALOG NUMBER: GLAN-SB1D-930-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.7	5.5			
FM	(30°-60°)	1960.9	37.7			
FH	(60°-80°)	2294.8	44.1			G2/5000
FVH	(80°-90°)	72.4	1.4			G1/100
BL	(0°-30°)	155.5	3.0	B1/500		
BM	(30°-60°)	355.3	6.8	B1/1000		
BH	(60°-80°)	73.4	1.4	B0/110		G0/110
BVH	(80°-90°)	1.0	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: P852176
 CATALOG NUMBER: GLAN-SB1D-930-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	753.7	753.7	753.7	753.7	753.7	753.7	753.7	753.7	753.7	753.7
2.5°	720.1	726.2	727.4	729.3	729.3	731.6	735.4	740.7	749.5	754.0
5°	663.7	668.3	674.0	678.6	687.4	688.5	703.4	717.8	738.0	753.3
7.5°	607.0	612.3	619.9	631.0	642.4	645.8	668.3	692.7	724.7	753.3
10°	567.0	567.3	574.2	585.2	603.5	607.7	635.2	669.8	709.8	748.7
12.5°	544.5	547.1	550.2	558.6	576.1	578.8	608.1	648.9	695.0	746.0
15°	544.5	546.4	548.3	552.5	566.6	568.9	594.8	635.5	687.4	747.2
17.5°	550.2	553.2	551.7	556.7	571.5	573.1	595.9	631.7	687.0	754.4
20°	563.9	566.2	563.1	566.2	581.1	584.1	607.7	639.0	693.5	767.0
22.5°	585.6	586.8	579.5	581.8	597.1	600.9	628.3	659.5	709.1	787.2
25°	613.1	615.3	604.3	607.0	621.4	626.0	657.6	690.4	733.8	815.0
27.5°	644.7	645.8	636.3	635.9	654.6	661.1	693.1	728.5	767.0	850.1
30°	680.9	684.3	675.2	673.6	697.3	702.6	734.2	775.4	815.8	902.6
32.5°	709.5	712.1	706.8	710.6	734.6	738.8	784.1	841.7	892.3	977.3
35°	750.6	752.1	739.9	746.8	774.2	784.9	852.3	934.6	988.7	1071.0
37.5°	899.6	899.6	847.8	813.9	840.1	849.7	945.7	1051.6	1107.6	1196.8
40°	1105.7	1102.3	1026.5	957.1	953.7	972.4	1078.7	1199.1	1261.2	1347.7
42.5°	1325.6	1320.2	1217.0	1148.4	1137.0	1143.4	1232.2	1380.8	1444.1	1531.7
45°	1520.6	1519.1	1424.6	1332.4	1311.8	1332.4	1423.9	1593.4	1638.8	1731.0
47.5°	1684.1	1684.1	1615.1	1554.9	1544.3	1556.5	1683.3	1829.3	1825.1	1943.2
50°	1872.3	1870.8	1805.3	1779.4	1790.4	1807.6	1982.1	2077.7	2017.9	2151.6
52.5°	2004.2	2013.3	1990.8	1986.6	2043.0	2072.7	2285.3	2320.8	2190.5	2349.4
55°	2108.6	2119.2	2145.1	2174.5	2283.1	2321.9	2579.1	2551.3	2334.9	2520.8
57.5°	2256.4	2241.2	2281.2	2339.1	2514.7	2561.6	2863.7	2768.9	2451.1	2659.9
60°	2435.9	2438.1	2445.0	2518.2	2746.0	2806.2	3144.2	2974.6	2525.8	2745.2
62.5°	2651.5	2654.9	2669.0	2781.4	3056.5	3113.3	3442.9	3143.0	2560.1	2721.2
65°	2636.6	2651.1	2808.5	3192.9	3528.6	3584.6	3791.5	3261.1	2508.2	2501.8
67.5°	2401.9	2425.6	2688.8	3684.4	4240.4	4302.8	4212.9	3284.4	2284.6	1945.5
70°	2094.1	2102.5	2419.1	4126.4	5064.5	5127.7	4590.1	3028.7	1733.6	1085.1
72.5°	1635.3	1637.2	2008.7	4228.9	5511.8	5515.2	4294.1	2248.4	932.4	416.8
75°	1168.2	1156.8	1345.4	3429.5	4849.2	4888.1	3219.2	1054.7	356.3	197.0
77.5°	626.4	639.0	761.3	2033.9	3349.9	3416.2	1756.5	304.1	181.4	134.1
80°	193.6	204.2	312.1	931.2	1897.5	1937.5	651.2	135.3	126.5	95.6
82.5°	61.0	63.2	145.5	391.3	787.6	805.9	188.6	76.6	86.5	63.2
85°	17.5	17.9	64.8	145.9	194.7	198.5	53.0	29.7	49.5	39.2
87.5°	1.9	6.1	24.4	24.4	17.1	16.8	5.7	6.5	14.1	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852176
 CATALOG NUMBER: GLAN-SB1D-930-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
753.7	0°	753.7	753.7	753.7	753.7	753.7	753.7	753.7	753.7	753.7	753.7
757.1	2.5°	755.2	755.6	750.6	742.2	733.1	725.5	715.9	708.3	703.0	701.5
763.9	5°	760.5	757.8	743.7	718.2	687.7	661.4	632.1	608.9	593.6	587.1
771.2	7.5°	768.5	760.9	730.0	679.7	621.4	569.6	517.0	476.3	450.4	437.4
778.0	10°	775.4	760.1	707.2	624.1	534.9	456.5	385.6	336.4	309.0	296.1
786.0	12.5°	781.8	759.8	677.5	558.2	437.4	341.4	275.5	251.1	243.5	240.8
799.0	15°	794.0	760.9	640.1	482.8	340.2	257.9	233.9	233.6	235.1	234.3
818.8	17.5°	810.8	762.0	597.8	402.7	262.5	227.5	226.3	229.8	232.0	230.9
843.6	20°	832.5	766.6	552.9	323.5	225.6	219.8	222.5	225.6	227.5	225.6
876.7	22.5°	863.0	774.6	503.7	259.9	213.8	215.3	217.6	221.0	222.9	220.2
919.0	25°	900.3	787.2	455.3	225.9	208.0	209.9	213.4	217.2	219.5	216.8
972.4	27.5°	948.7	807.4	410.7	218.3	202.3	203.5	208.4	214.1	217.2	213.8
1048.2	30°	1018.8	840.5	372.3	221.8	198.9	196.2	203.1	211.1	214.5	211.5
1151.4	32.5°	1111.8	887.4	348.6	227.1	197.4	187.8	194.3	204.6	210.3	208.4
1286.3	35°	1233.7	958.6	339.5	233.2	196.2	179.1	183.7	194.7	204.6	206.5
1456.3	37.5°	1381.6	1057.7	342.2	235.9	192.8	171.8	174.1	183.7	196.6	202.7
1647.5	40°	1549.6	1173.2	357.4	233.2	189.0	165.7	166.1	173.4	184.8	193.9
1853.3	42.5°	1723.0	1308.0	385.6	223.3	185.6	160.4	159.3	164.2	171.8	178.3
2058.6	45°	1887.9	1446.7	413.4	209.6	181.4	155.1	152.4	154.3	155.8	158.5
2258.7	47.5°	2032.0	1544.3	405.4	197.0	175.6	149.0	144.4	143.6	139.1	138.7
2437.4	50°	2131.4	1565.6	360.1	184.4	167.3	142.1	134.9	130.3	122.3	118.5
2571.1	52.5°	2163.0	1481.4	294.1	171.8	153.6	133.0	122.7	115.4	105.5	102.1
2648.1	55°	2121.1	1316.4	235.1	156.6	134.5	120.8	109.4	99.8	91.8	87.6
2656.5	57.5°	2018.6	1106.5	185.9	138.7	114.3	107.1	95.6	86.1	79.3	75.1
2563.5	60°	1848.7	878.6	147.1	117.4	97.5	92.2	80.4	74.3	68.2	63.2
2323.5	62.5°	1590.8	627.2	115.4	93.0	81.5	75.4	68.6	64.0	56.8	49.9
1891.8	65°	1241.4	383.7	89.2	68.2	65.5	62.5	58.3	54.1	45.3	38.5
1234.1	67.5°	783.0	181.7	63.6	51.4	51.8	50.3	48.4	45.0	38.5	32.4
552.9	70°	344.8	88.0	41.9	39.2	38.5	38.5	40.0	38.9	32.8	27.1
192.0	72.5°	117.4	47.2	31.2	29.7	27.8	27.4	33.5	32.4	26.3	21.0
95.6	75°	61.3	31.6	22.9	21.3	16.8	20.2	26.7	25.1	18.7	13.7
63.2	77.5°	40.0	22.5	15.6	13.7	9.5	13.3	19.8	17.5	11.0	6.9
41.5	80°	25.1	14.9	9.1	6.5	4.6	7.2	10.7	7.6	4.2	1.5
24.4	82.5°	13.3	7.6	3.4	2.3	1.9	2.3	2.7	1.9	0.8	0.0
12.6	85°	5.3	2.7	1.1	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.3	87.5°	1.9	0.4	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/>
753.7
704.1
589.4
439.3
296.4
240.0
233.9
230.5
225.2
219.8
216.4
213.8
211.1
208.4
206.5
204.2
197.0
181.0
160.0
138.3
118.9
101.7
87.6
74.3
62.1
48.8
37.3
31.6
25.9
19.8
12.6
6.1
1.1
0.0
0.0
0.0
0.0

F REPORT)