

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: P846335

Luminaire Tested: **GLAN-SB1D-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5015 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

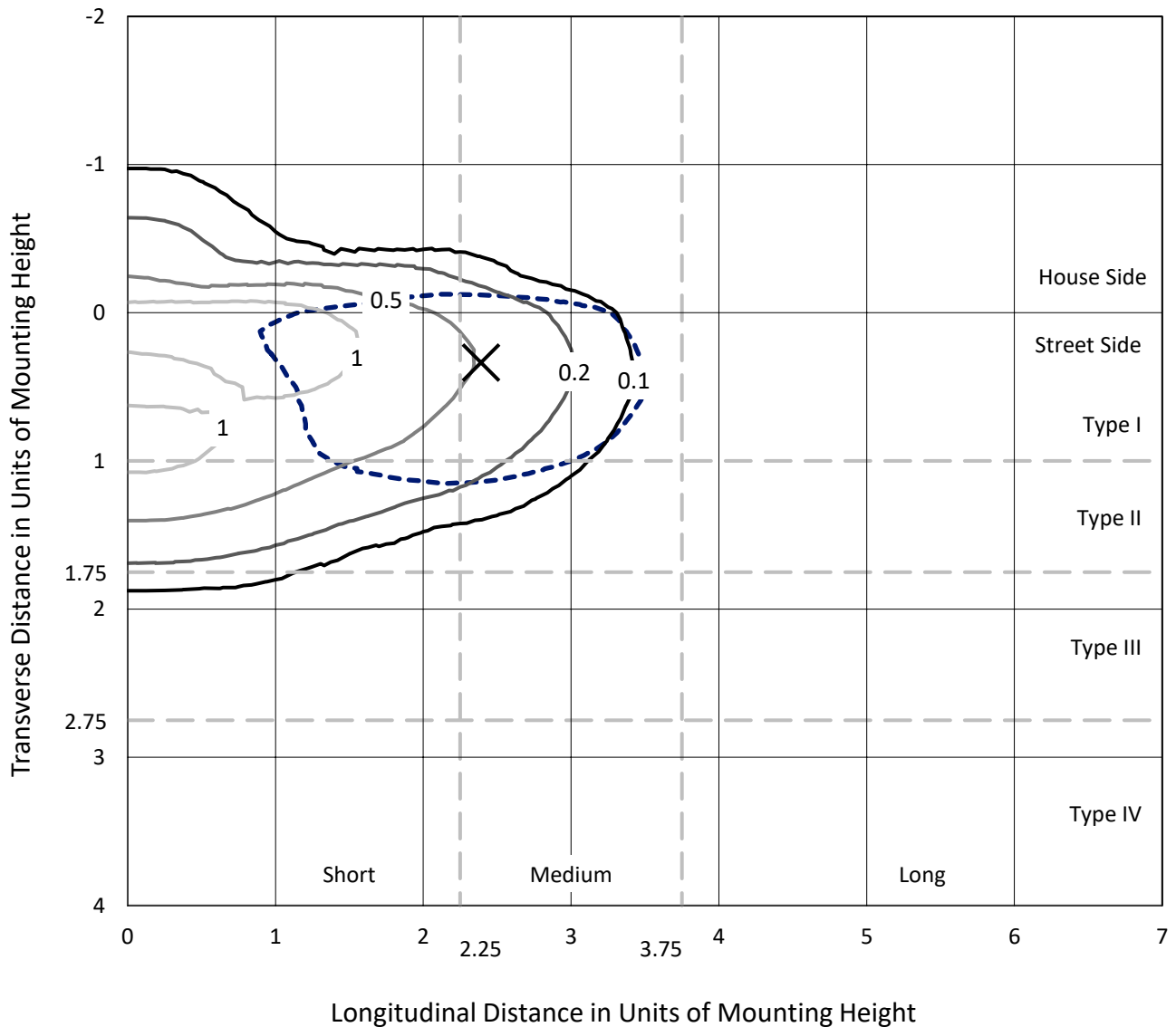
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846335
 CATALOG NUMBER: GLAN-SB1D-930-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

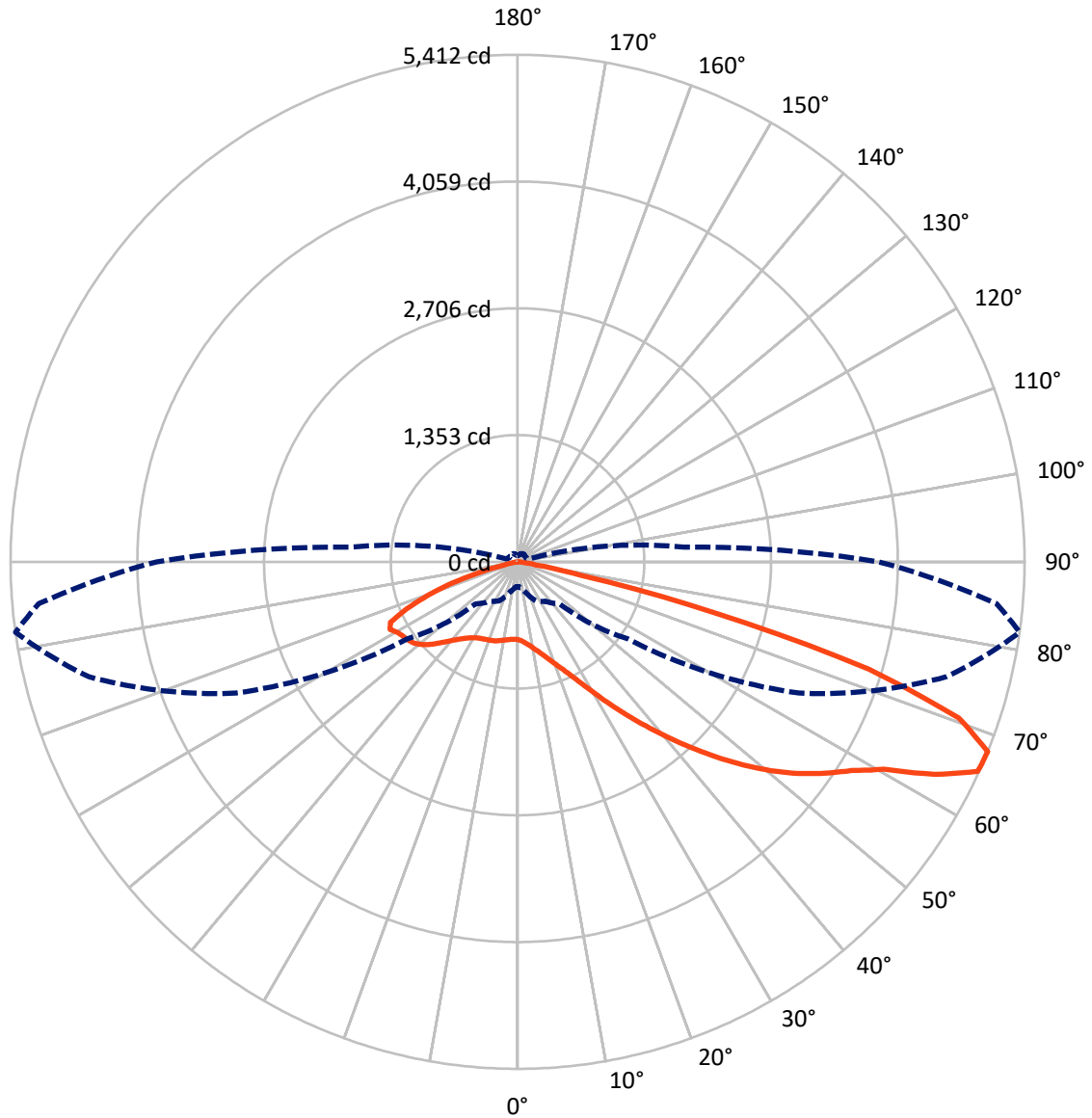
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P846335
CATALOG NUMBER: GLAN-SB1D-930-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P846335
 CATALOG NUMBER: GLAN-SB1D-930-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.4	0.0	908.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4106.6	0.0	4106.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	5015.0	0.0	5015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.5
10°-20°	192.3	3.8
20°-30°	308.1	6.1
30°-40°	544.8	10.9
40°-50°	954.5	19.0
50°-60°	1273.0	25.4
60°-70°	1185.1	23.6
70°-80°	454.9	9.1
80°-90°	28.3	0.6
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°	5015.0	100.0
0°-180°	5015.0	100.0

Coefficient of Utilization

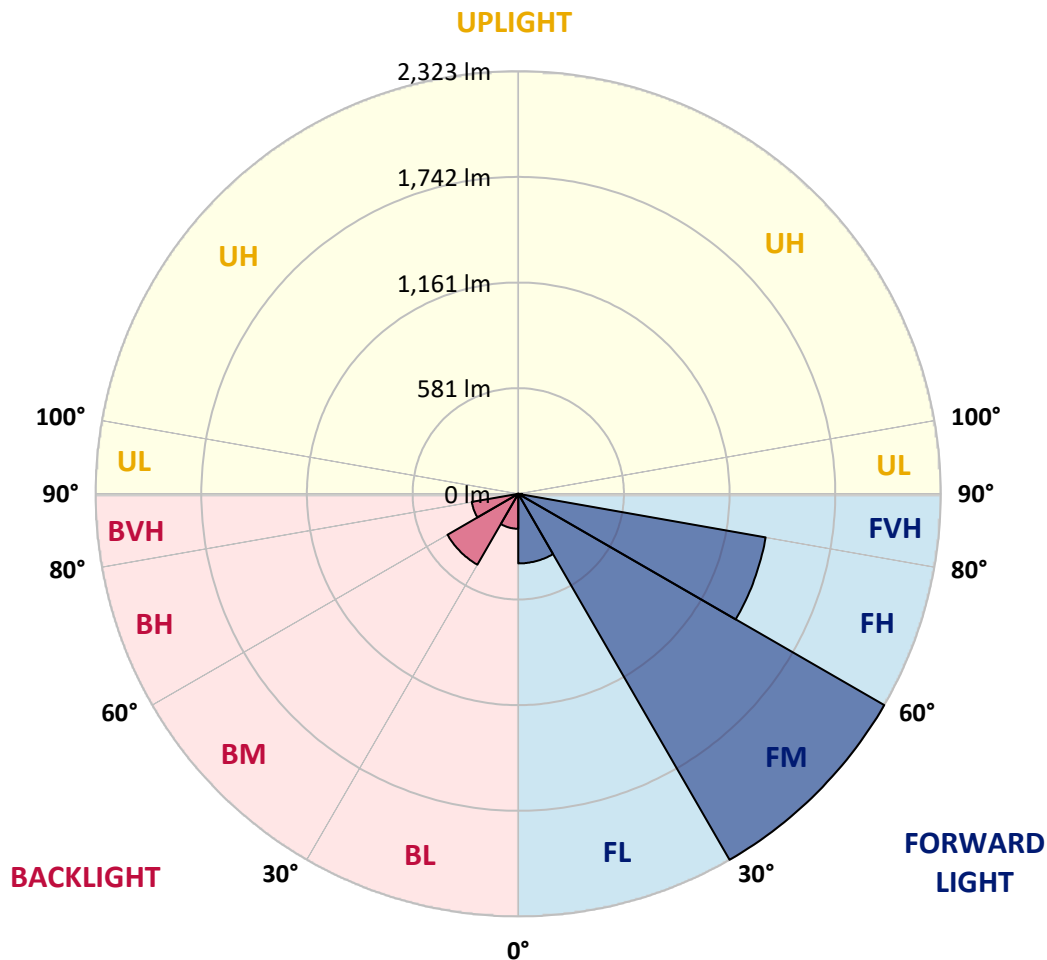


REPORT NUMBER: P846335
 CATALOG NUMBER: GLAN-SB1D-930-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.6	7.6			
FM (30°-60°)	2322.7	46.3			
FH (60°-80°)	1380.7	27.5			G1/1800
FVH (80°-90°)	20.5	0.4			G1/100
BL (0°-30°)	191.9	3.8	B1/500		
BM (30°-60°)	449.6	9.0	B1/1000		
BH (60°-80°)	259.3	5.2	B1/500		G1/500
BVH (80°-90°)	7.7	0.2			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 II Medium



REPORT NUMBER: P846335
 CATALOG NUMBER: GLAN-SB1D-930-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	830.8	830.8	830.8	830.8	830.8	830.8	830.8	830.8	830.8	830.8
2.5°	878.1	883.2	880.3	878.8	876.3	872.7	869.8	860.8	851.4	845.3
5°	895.8	900.9	900.5	901.9	903.8	904.8	904.1	894.0	880.6	870.2
7.5°	880.6	886.4	891.1	898.3	911.0	924.3	930.8	928.7	914.9	900.5
10°	837.7	843.8	855.0	872.0	898.7	927.6	951.8	963.0	954.3	938.4
12.5°	759.0	765.1	787.1	824.0	868.7	918.9	965.1	995.1	997.3	981.4
15°	670.5	676.6	700.1	746.3	814.6	895.1	972.4	1029.0	1048.2	1034.5
17.5°	615.6	621.0	638.7	675.9	747.0	847.4	969.8	1065.1	1108.8	1098.0
20°	599.0	603.7	612.0	638.0	697.2	798.0	953.2	1099.1	1174.2	1168.1
22.5°	616.7	621.0	623.6	635.1	672.3	765.5	932.3	1133.8	1250.0	1250.7
25°	657.5	661.8	658.9	666.2	682.4	755.4	924.3	1174.6	1345.3	1353.3
27.5°	724.7	725.0	718.2	717.8	720.3	770.5	932.6	1218.2	1465.6	1480.4
30°	859.3	853.9	827.6	799.0	786.0	816.0	955.7	1269.9	1607.5	1633.8
32.5°	1067.0	1059.0	1010.6	942.4	873.8	889.3	997.3	1328.7	1762.0	1809.7
35°	1292.3	1290.1	1239.5	1138.1	1018.2	993.7	1064.8	1406.0	1930.6	2006.5
37.5°	1501.7	1500.6	1471.7	1352.2	1206.3	1139.2	1173.1	1507.1	2111.2	2220.9
40°	1693.0	1696.3	1667.4	1560.5	1413.6	1325.8	1320.4	1632.0	2311.9	2454.5
42.5°	1858.4	1862.0	1832.8	1753.7	1618.3	1532.4	1501.3	1785.1	2508.0	2705.5
45°	1970.7	1993.1	1988.8	1925.6	1828.4	1739.3	1718.7	1977.2	2731.5	2971.6
47.5°	2002.5	2023.1	2055.6	2064.2	2005.0	1917.3	1941.8	2208.6	2957.5	3238.1
50°	1924.1	1943.3	2010.8	2100.7	2141.9	2114.8	2158.8	2456.7	3188.9	3503.8
52.5°	1769.6	1789.1	1874.3	2016.6	2184.5	2269.7	2376.5	2701.1	3413.2	3755.5
55°	1546.1	1566.7	1676.1	1837.1	2103.2	2333.6	2558.2	2945.2	3618.6	3981.8
57.5°	1242.1	1257.2	1371.0	1596.3	1898.9	2270.0	2692.1	3211.7	3812.1	4204.3
60°	809.5	822.9	955.0	1206.3	1560.2	2057.7	2718.8	3508.9	4069.2	4493.5
62.5°	538.4	547.4	625.7	810.2	1098.7	1650.1	2562.5	3746.1	4446.2	4996.8
65°	369.4	378.4	456.8	585.3	709.9	1091.5	2113.0	3714.7	4787.8	5396.5
67.5°	263.6	271.2	337.6	458.9	513.8	634.0	1432.4	3313.2	4738.6	5411.7
70°	188.8	193.2	248.1	357.5	408.4	380.9	796.5	2534.0	4149.0	4997.2
72.5°	132.2	133.6	172.2	272.2	328.9	278.0	379.1	1689.4	3138.0	3922.3
75°	89.5	91.4	115.9	199.7	263.9	212.3	200.8	905.9	1842.2	2171.1
77.5°	54.9	55.6	74.7	136.5	197.5	161.8	129.3	383.8	712.7	699.7
80°	31.1	31.1	47.7	84.9	134.7	104.3	90.6	163.2	225.7	198.2
82.5°	17.3	17.7	34.7	52.7	89.2	61.7	49.8	75.5	97.5	86.3
85°	7.2	7.9	21.3	24.9	42.6	30.7	20.2	31.8	36.1	32.1
87.5°	0.7	1.1	6.5	4.7	5.1	6.1	2.9	6.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846335
 CATALOG NUMBER: GLAN-SB1D-930-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
830.8	0°	830.8	830.8	830.8	830.8	830.8	830.8	830.8	830.8	830.8	830.8
843.1	2.5°	836.2	830.8	817.1	801.2	780.3	770.2	756.4	747.0	739.1	739.8
864.0	5°	852.5	838.8	808.1	769.8	722.1	688.2	652.1	627.2	607.0	602.6
892.9	7.5°	874.9	853.2	799.4	730.4	649.9	588.9	534.4	499.4	474.4	466.5
927.9	10°	903.8	872.3	788.2	681.0	565.1	487.4	428.9	401.5	384.5	378.8
969.1	12.5°	937.3	894.4	773.4	620.7	477.7	403.0	365.8	352.0	346.6	344.8
1019.7	15°	979.6	921.8	751.0	549.2	403.7	351.3	335.4	333.6	334.3	333.6
1080.3	17.5°	1029.8	951.8	714.6	475.5	353.8	325.0	319.2	320.6	322.4	322.1
1148.2	20°	1084.6	981.4	668.0	410.2	319.9	306.2	302.9	304.4	305.8	305.1
1226.5	22.5°	1147.1	1013.2	616.3	359.3	297.2	288.9	285.2	285.6	285.6	284.2
1325.8	25°	1221.9	1048.2	562.2	323.2	279.8	273.3	269.0	267.6	265.4	261.1
1446.4	27.5°	1311.0	1085.4	510.2	297.9	266.1	260.0	254.9	251.3	245.9	238.7
1591.2	30°	1411.4	1130.5	466.1	282.0	255.3	249.1	243.4	237.9	230.0	221.0
1757.7	32.5°	1529.5	1178.9	434.0	271.5	245.5	239.0	232.2	225.7	217.0	208.0
1944.7	35°	1670.3	1237.4	415.2	264.3	237.9	229.3	221.7	214.5	208.0	200.0
2148.0	37.5°	1823.0	1299.5	409.5	260.7	232.9	219.5	210.9	205.8	205.1	200.4
2367.9	40°	1990.2	1373.1	413.8	258.5	227.5	210.1	200.8	199.7	201.5	193.2
2602.9	42.5°	2167.1	1460.5	421.0	256.0	219.9	200.8	191.7	191.7	190.3	178.7
2851.3	45°	2358.5	1561.3	428.2	249.9	210.9	191.4	184.5	182.0	175.8	164.6
3101.2	47.5°	2551.3	1663.8	433.6	238.7	200.0	183.4	177.3	171.5	162.5	152.4
3346.4	50°	2734.4	1755.9	427.9	222.1	187.8	175.8	169.3	161.4	151.6	144.8
3578.5	52.5°	2897.9	1835.7	403.3	202.6	174.8	167.9	162.1	153.8	145.9	138.6
3788.0	55°	3040.2	1900.3	360.0	184.1	163.2	161.0	155.3	144.8	134.0	127.8
3995.6	57.5°	3176.7	1949.4	305.8	169.0	152.7	153.5	144.8	135.4	125.3	118.8
4275.4	60°	3358.3	2015.1	250.9	154.9	141.5	143.7	134.3	127.5	114.8	106.5
4755.3	62.5°	3648.6	2117.3	199.3	137.6	128.5	129.3	125.3	117.0	101.8	92.1
5110.9	65°	3878.9	2079.7	157.1	118.8	113.7	114.8	114.8	105.8	89.5	78.4
5130.0	67.5°	3852.9	1780.8	125.3	100.4	99.7	100.4	102.9	95.3	79.4	70.4
4739.4	70°	3549.3	1416.5	100.4	83.4	86.7	84.9	92.1	87.0	71.5	62.5
3674.2	72.5°	2896.1	1020.4	76.5	69.0	66.4	69.3	83.0	78.4	59.6	49.5
1946.2	75°	1692.3	544.5	57.0	54.5	48.0	57.8	73.7	66.8	45.5	36.5
596.5	77.5°	551.0	189.9	41.9	40.1	35.7	46.6	62.8	56.3	37.2	28.9
174.8	80°	147.7	57.4	28.5	26.4	23.1	34.7	49.8	44.8	26.7	18.8
75.1	82.5°	59.2	24.2	16.6	14.8	12.6	23.8	39.4	36.1	19.9	11.9
23.5	85°	19.1	7.9	6.1	4.7	5.8	14.8	23.5	24.6	14.1	6.1
3.6	87.5°	2.5	1.1	1.1	1.4	1.1	2.5	7.2	6.9	4.0	0.7
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°
830.8
732.6
592.9
458.6
374.4
343.7
333.3
321.3
304.7
283.4
260.3
237.9
220.3
208.3
199.3
200.0
193.5
178.7
164.3
152.0
143.7
137.9
127.1
118.1
105.4
91.4
77.3
69.0
61.4
48.4
35.4
27.8
18.4
11.9
4.7
0.0
0.0

F REPORT)