

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: P852204

Luminaire Tested: **GLAN-SB2A-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852204
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-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 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: 6040 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

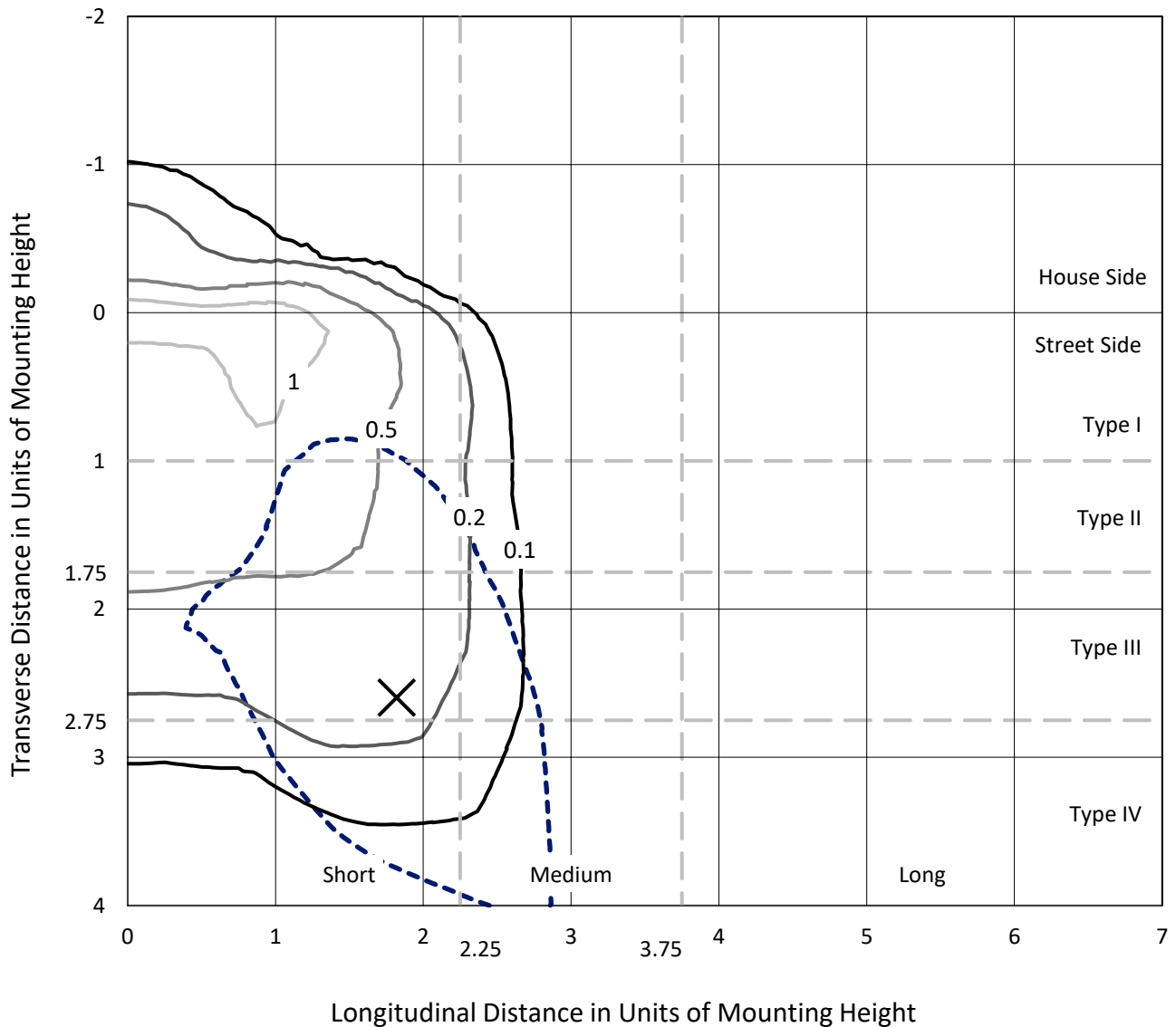
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852204
 CATALOG NUMBER: GLAN-SB2A-840-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

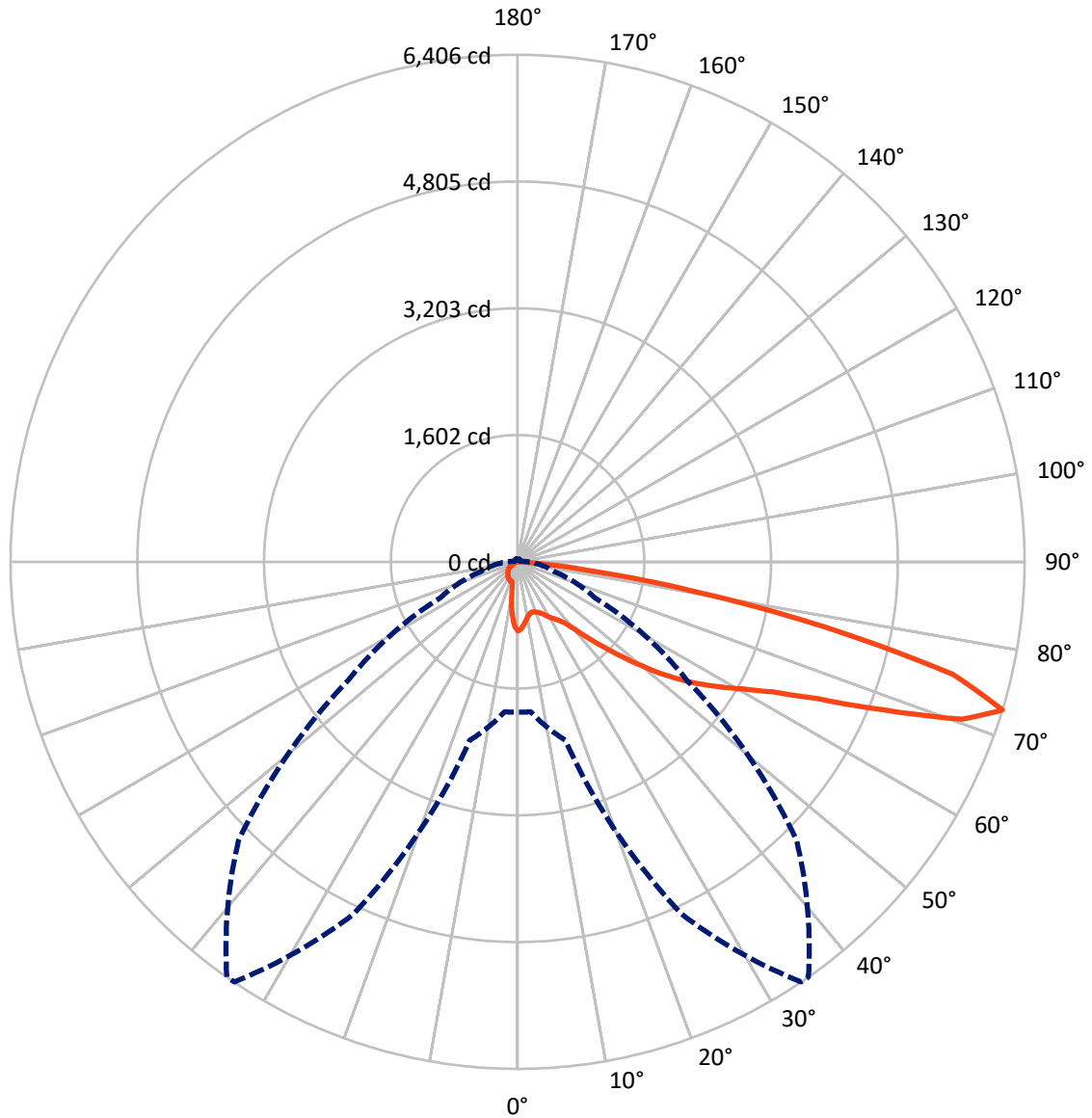
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P852204
CATALOG NUMBER: GLAN-SB2A-840-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852204
 CATALOG NUMBER: GLAN-SB2A-840-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.8	0.0	679.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5360.2	0.0	5360.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	6040.0	0.0	6040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	1.2
10°-20°	168.3	2.8
20°-30°	273.4	4.5
30°-40°	456.1	7.6
40°-50°	863.0	14.3
50°-60°	1371.3	22.7
60°-70°	1696.4	28.1
70°-80°	1054.5	17.5
80°-90°	85.2	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°	6040.0	100.0
0°-180°	6040.0	100.0

Coefficient of Utilization

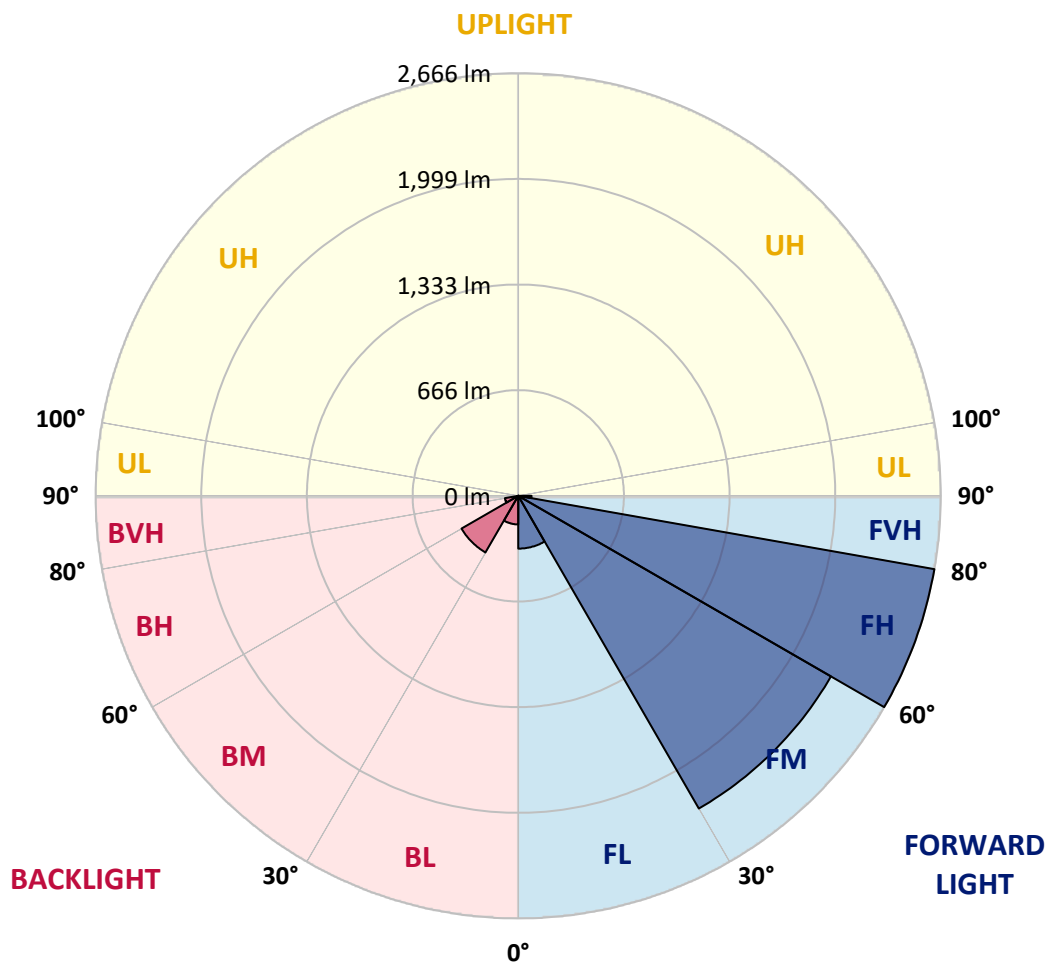


REPORT NUMBER: P852204
 CATALOG NUMBER: GLAN-SB2A-840-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.0	5.5			
FM (30°-60°)	2277.7	37.7			
FH (60°-80°)	2665.5	44.1			G2/5000
FVH (80°-90°)	84.1	1.4			G1/100
BL (0°-30°)	180.6	3.0	B1/500		
BM (30°-60°)	412.7	6.8	B1/1000		
BH (60°-80°)	85.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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: P852204
 CATALOG NUMBER: GLAN-SB2A-840-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4
2.5°	836.5	843.5	844.9	847.1	847.1	849.7	854.2	860.4	870.5	875.8
5°	771.0	776.3	782.9	788.2	798.4	799.7	817.0	833.8	857.3	875.0
7.5°	705.0	711.2	720.1	732.9	746.2	750.2	776.3	804.6	841.8	875.0
10°	658.5	659.0	666.9	679.8	701.0	705.9	737.8	778.0	824.5	869.6
12.5°	632.4	635.5	639.1	648.8	669.2	672.3	706.3	753.7	807.2	866.5
15°	632.4	634.6	636.9	641.7	658.1	660.8	690.8	738.2	798.4	867.9
17.5°	639.1	642.6	640.8	646.6	663.9	665.6	692.2	733.8	797.9	876.3
20°	655.0	657.7	654.1	657.7	674.9	678.5	705.9	742.2	805.5	890.9
22.5°	680.2	681.6	673.1	675.8	693.5	697.9	729.8	766.1	823.6	914.3
25°	712.1	714.7	701.9	705.0	721.8	727.1	763.9	801.9	852.4	946.7
27.5°	748.8	750.2	739.1	738.6	760.3	767.9	805.0	846.2	890.9	987.4
30°	790.9	794.9	784.2	782.5	809.9	816.1	852.8	900.6	947.5	1048.4
32.5°	824.1	827.2	821.0	825.4	853.3	858.1	910.8	977.6	1036.5	1135.2
35°	871.9	873.6	859.5	867.4	899.3	911.7	990.0	1085.6	1148.5	1244.1
37.5°	1044.9	1044.9	984.7	945.3	975.9	986.9	1098.5	1221.5	1286.5	1390.1
40°	1284.3	1280.3	1192.3	1111.7	1107.7	1129.4	1252.9	1392.8	1464.9	1565.4
42.5°	1539.7	1533.5	1413.6	1333.9	1320.6	1328.1	1431.3	1603.9	1677.3	1779.1
45°	1766.3	1764.5	1654.8	1547.7	1523.8	1547.7	1653.9	1850.8	1903.5	2010.6
47.5°	1956.1	1956.1	1876.0	1806.1	1793.7	1807.9	1955.3	2124.8	2119.9	2257.1
50°	2174.8	2173.0	2096.9	2066.8	2079.6	2099.5	2302.2	2413.3	2343.8	2499.2
52.5°	2327.9	2338.5	2312.4	2307.5	2373.0	2407.6	2654.5	2695.7	2544.3	2728.9
55°	2449.2	2461.6	2491.7	2525.7	2651.9	2697.0	2995.7	2963.4	2712.1	2928.0
57.5°	2620.9	2603.2	2649.7	2716.9	2920.9	2975.4	3326.3	3216.1	2847.0	3089.6
60°	2829.3	2832.0	2840.0	2924.9	3189.6	3259.5	3652.1	3455.1	2933.8	3188.7
62.5°	3079.8	3083.8	3100.2	3230.7	3550.3	3616.2	3999.0	3650.7	2973.6	3160.8
65°	3062.6	3079.4	3262.2	3708.7	4098.6	4163.7	4404.0	3787.9	2913.4	2905.9
67.5°	2789.9	2817.4	3123.2	4279.6	4925.3	4997.9	4893.5	3814.9	2653.6	2259.7
70°	2432.4	2442.1	2809.9	4793.0	5882.6	5956.1	5331.6	3518.0	2013.7	1260.4
72.5°	1899.5	1901.7	2333.2	4912.1	6402.2	6406.2	4987.7	2611.6	1083.0	484.2
75°	1356.9	1343.6	1562.7	3983.6	5632.6	5677.7	3739.3	1225.0	413.8	228.8
77.5°	727.6	742.2	884.2	2362.4	3891.1	3968.1	2040.2	353.2	210.7	155.8
80°	224.8	237.2	362.5	1081.6	2204.0	2250.5	756.3	157.1	146.9	111.1
82.5°	70.8	73.5	169.1	454.5	914.8	936.0	219.1	89.0	100.5	73.5
85°	20.4	20.8	75.2	169.5	226.2	230.6	61.5	34.5	57.5	45.6
87.5°	2.2	7.1	28.3	28.3	19.9	19.5	6.6	7.5	16.4	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852204
 CATALOG NUMBER: GLAN-SB2A-840-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
875.4	0°	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4
879.4	2.5°	877.2	877.6	871.9	862.1	851.5	842.6	831.6	822.7	816.5	814.8
887.3	5°	883.4	880.3	863.9	834.2	798.8	768.3	734.2	707.2	689.5	682.0
895.8	7.5°	892.7	883.8	848.0	789.5	721.8	661.6	600.6	553.2	523.1	508.1
903.7	10°	900.6	882.9	821.4	724.9	621.4	530.2	447.9	390.8	358.9	343.9
913.0	12.5°	908.1	882.5	786.9	648.4	508.1	396.5	320.0	291.7	282.8	279.7
928.1	15°	922.3	883.8	743.5	560.7	395.2	299.6	271.7	271.3	273.1	272.2
951.1	17.5°	941.8	885.1	694.4	467.8	304.9	264.2	262.9	266.9	269.5	268.2
979.8	20°	967.0	890.4	642.2	375.7	262.0	255.4	258.5	262.0	264.2	262.0
1018.3	22.5°	1002.4	899.7	585.1	301.8	248.3	250.1	252.7	256.7	258.9	255.8
1067.5	25°	1045.8	914.3	528.9	262.4	241.6	243.9	247.8	252.3	254.9	251.8
1129.4	27.5°	1102.0	937.8	477.1	253.6	235.0	236.3	242.1	248.7	252.3	248.3
1217.5	30°	1183.4	976.3	432.4	257.6	231.0	227.9	235.9	245.2	249.2	245.6
1337.4	32.5°	1291.4	1030.7	404.9	263.8	229.2	218.2	225.7	237.7	244.3	242.1
1494.1	35°	1433.0	1113.5	394.3	270.9	227.9	208.0	213.3	226.2	237.7	239.9
1691.5	37.5°	1604.7	1228.6	397.4	273.9	223.9	199.6	202.3	213.3	228.4	235.4
1913.7	40°	1799.9	1362.7	415.1	270.9	219.5	192.5	193.0	201.4	214.6	225.3
2152.6	42.5°	2001.3	1519.3	447.9	259.3	215.5	186.3	185.0	190.7	199.6	207.1
2391.2	45°	2192.9	1680.4	480.2	243.4	210.7	180.1	177.0	179.2	181.0	184.1
2623.5	47.5°	2360.2	1793.7	470.9	228.8	204.0	173.0	167.7	166.8	161.5	161.1
2831.1	50°	2475.7	1818.5	418.2	214.2	194.3	165.1	156.7	151.4	142.1	137.6
2986.4	52.5°	2512.5	1720.7	341.7	199.6	178.4	154.5	142.5	134.1	122.6	118.6
3075.8	55°	2463.8	1529.1	273.1	181.9	156.2	140.3	127.0	116.0	106.7	101.8
3085.6	57.5°	2344.7	1285.2	216.0	161.1	132.8	124.4	111.1	100.0	92.1	87.2
2977.6	60°	2147.3	1020.6	170.8	136.3	113.3	107.1	93.4	86.3	79.2	73.5
2698.8	62.5°	1847.7	728.5	134.1	108.0	94.7	87.6	79.7	74.4	65.9	58.0
2197.3	65°	1441.9	445.7	103.6	79.2	76.1	72.6	67.7	62.8	52.7	44.7
1433.5	67.5°	909.5	211.1	73.9	59.7	60.2	58.4	56.2	52.2	44.7	37.6
642.2	70°	400.5	102.2	48.7	45.6	44.7	44.7	46.5	45.1	38.1	31.4
223.1	72.5°	136.3	54.9	36.3	34.5	32.3	31.9	38.9	37.6	30.5	24.3
111.1	75°	71.3	36.7	26.6	24.8	19.5	23.5	31.0	29.2	21.7	15.9
73.5	77.5°	46.5	26.1	18.1	15.9	11.1	15.5	23.0	20.4	12.8	8.0
48.2	80°	29.2	17.3	10.6	7.5	5.3	8.4	12.4	8.9	4.9	1.8
28.3	82.5°	15.5	8.9	4.0	2.7	2.2	2.7	3.1	2.2	0.9	0.0
14.6	85°	6.2	3.1	1.3	0.9	0.4	0.0	0.9	0.4	0.0	0.0
2.7	87.5°	2.2	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°
875.4
817.9
684.7
510.3
344.3
278.8
271.7
267.8
261.6
255.4
251.4
248.3
245.2
242.1
239.9
237.2
228.8
210.2
185.9
160.7
138.1
118.2
101.8
86.3
72.1
56.6
43.4
36.7
30.1
23.0
14.6
7.1
1.3
0.0
0.0
0.0
0.0

F REPORT)