

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: P852069

Luminaire Tested: **GLAN-SB1A-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3944 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

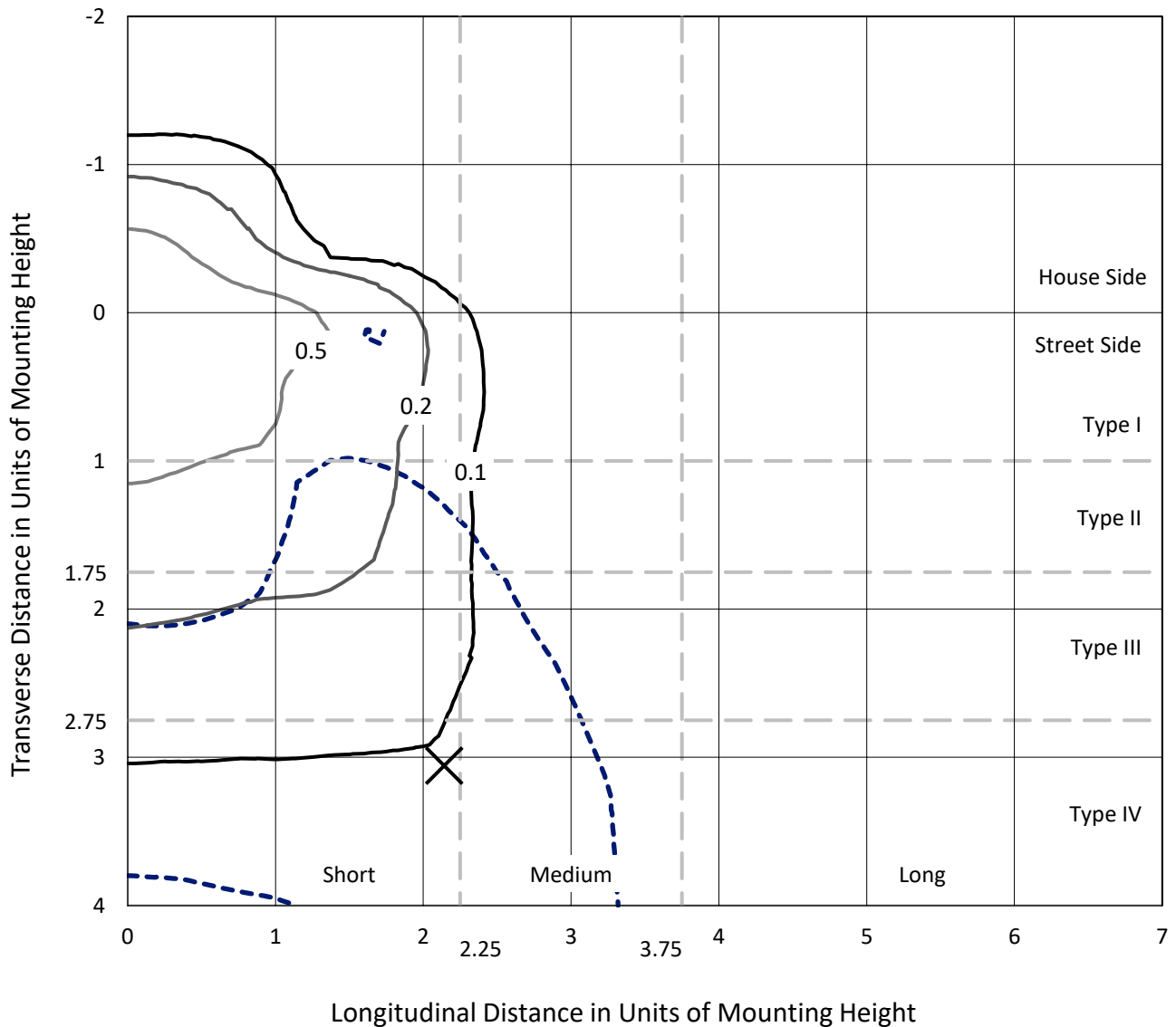
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852069
 CATALOG NUMBER: GLAN-SB1A-840-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

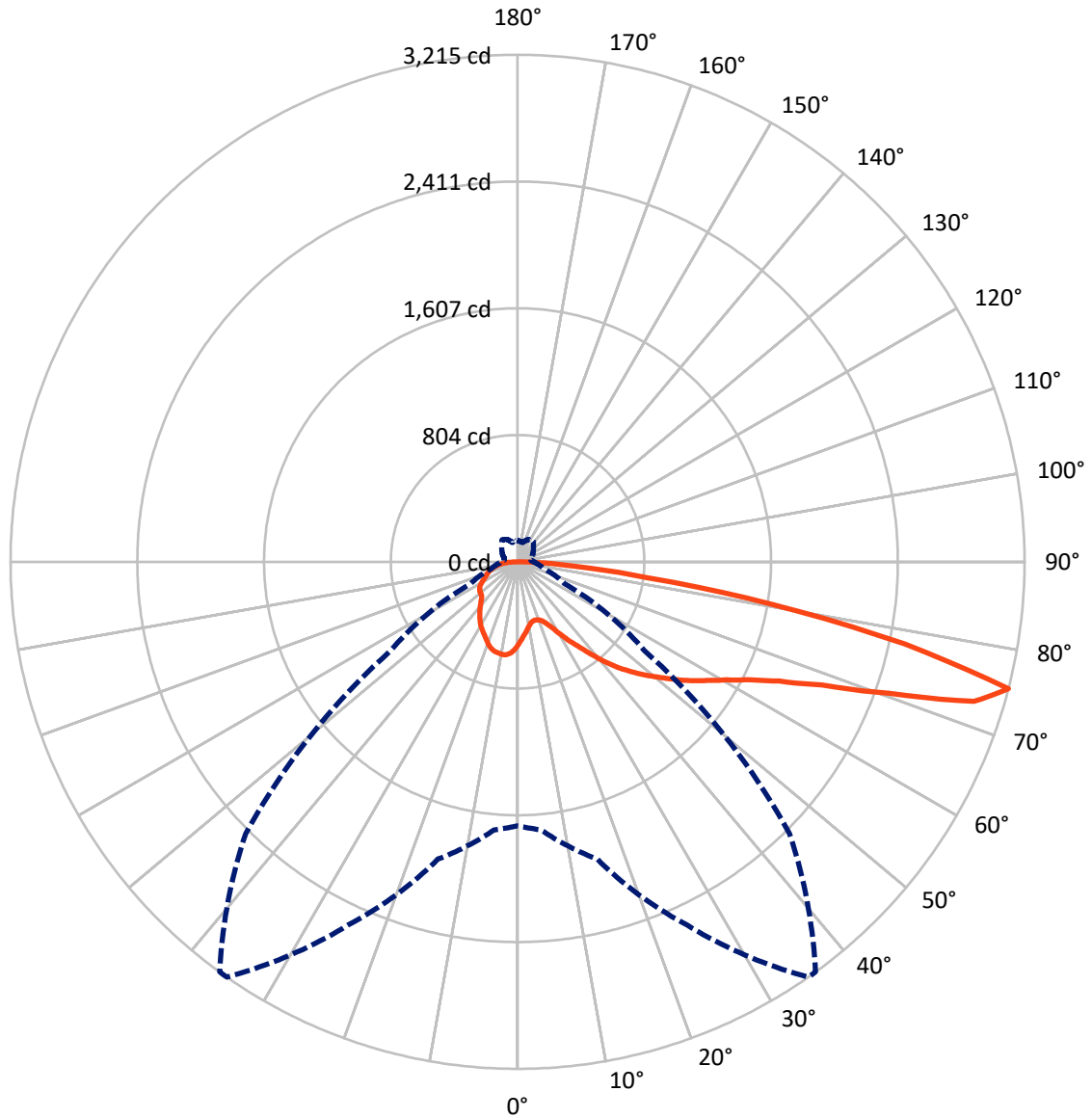
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P852069
CATALOG NUMBER: GLAN-SB1A-840-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852069
 CATALOG NUMBER: GLAN-SB1A-840-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.6	0.0	938.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3005.4	0.0	3005.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	3944.0	0.0	3944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.3
10°-20°	143.5	3.6
20°-30°	241.0	6.1
30°-40°	374.6	9.5
40°-50°	556.0	14.1
50°-60°	767.6	19.5
60°-70°	931.2	23.6
70°-80°	769.6	19.5
80°-90°	110.7	2.8
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°	3944.0	100.0
0°-180°	3944.0	100.0

Coefficient of Utilization



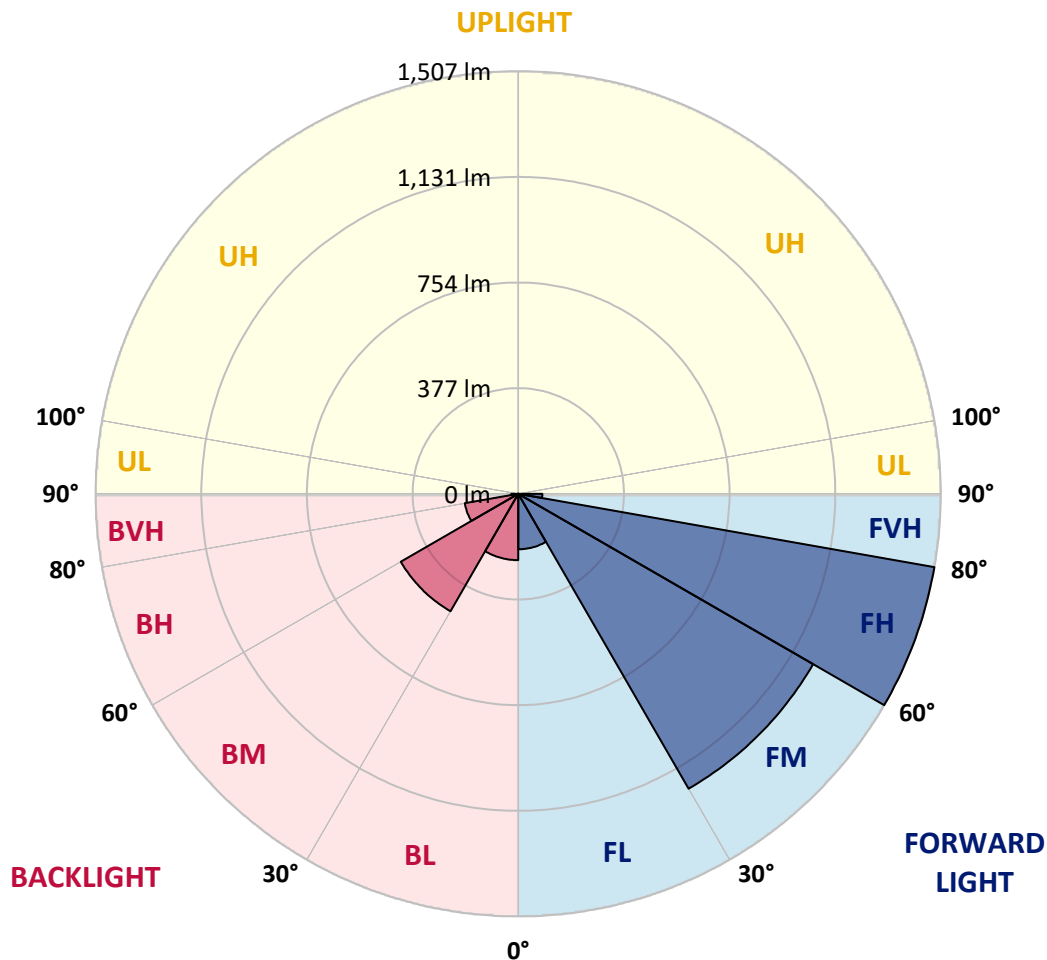
REPORT NUMBER: P852069
 CATALOG NUMBER: GLAN-SB1A-840-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.8	5.0			
FM (30°-60°)	1214.5	30.8			
FH (60°-80°)	1507.3	38.2			G1/1800
FVH (80°-90°)	85.8	2.2			G1/100
BL (0°-30°)	236.5	6.0	B1/500		
BM (30°-60°)	483.6	12.3	B1/1000		
BH (60°-80°)	193.5	4.9	B1/500		G1/500
BVH (80°-90°)	24.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



REPORT NUMBER: P852069
 CATALOG NUMBER: GLAN-SB1A-840-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	484.6	487.6	488.9	488.3	491.5	491.0	495.5	501.0	508.7	516.2
5°	447.3	450.5	453.3	455.8	462.0	463.9	471.0	481.6	495.7	510.0
7.5°	412.6	415.3	419.6	424.3	434.7	436.7	448.4	465.0	484.6	505.5
10°	384.2	387.0	391.5	396.8	409.8	412.1	427.1	449.2	474.8	501.3
12.5°	372.1	372.9	375.5	380.8	392.1	393.6	410.0	435.4	465.2	498.1
15°	371.4	373.1	373.3	376.1	385.5	386.1	401.3	426.4	459.3	497.4
17.5°	377.8	379.1	377.2	378.9	386.8	387.8	399.8	422.2	457.3	500.2
20°	394.9	395.9	390.2	387.8	393.6	394.4	406.2	424.9	459.3	505.9
22.5°	431.1	431.8	417.7	408.1	408.5	408.9	419.2	436.2	466.7	516.4
25°	487.6	487.2	464.8	446.3	435.6	433.2	440.1	454.6	479.3	530.3
27.5°	553.7	550.5	528.1	500.4	477.2	473.8	472.3	478.4	497.2	548.6
30°	628.3	625.3	601.3	565.0	532.8	527.3	513.2	510.0	523.9	573.5
32.5°	710.2	708.3	679.5	635.6	592.5	586.1	562.5	553.9	564.8	611.3
35°	778.9	777.2	753.3	708.1	655.4	647.5	623.4	613.8	619.4	659.7
37.5°	840.9	840.1	819.6	784.0	729.6	720.0	692.9	689.7	688.7	723.4
40°	898.5	896.3	875.0	856.3	816.0	807.2	783.3	780.6	772.5	801.9
42.5°	962.2	956.7	925.8	917.0	906.1	898.9	884.6	885.0	867.1	890.4
45°	1014.2	1011.0	979.3	974.2	985.9	982.9	995.3	998.5	963.7	983.1
47.5°	1070.1	1067.1	1040.3	1036.6	1068.4	1069.3	1113.0	1114.0	1058.0	1079.5
50°	1139.0	1134.7	1108.1	1112.5	1148.1	1151.3	1231.3	1224.0	1144.7	1177.4
52.5°	1184.4	1186.9	1181.2	1188.4	1237.0	1240.0	1347.7	1329.2	1230.7	1273.9
55°	1217.9	1223.0	1240.9	1257.5	1330.9	1333.8	1457.5	1429.2	1301.9	1363.5
57.5°	1260.9	1253.7	1287.2	1319.6	1420.0	1427.9	1564.3	1525.5	1365.0	1440.7
60°	1322.8	1317.6	1343.7	1391.6	1519.8	1532.3	1677.3	1612.3	1411.2	1501.9
62.5°	1448.1	1435.3	1439.4	1481.8	1645.6	1662.2	1804.8	1688.0	1434.3	1525.7
65°	1635.5	1613.6	1593.1	1622.5	1822.7	1839.2	1948.7	1747.5	1425.7	1479.5
67.5°	1871.6	1849.8	1824.7	1852.4	2083.7	2096.7	2126.4	1781.0	1358.6	1301.2
70°	2066.2	2058.1	2088.2	2202.3	2500.5	2501.0	2354.1	1753.2	1174.6	922.6
72.5°	2040.4	2035.5	2193.9	2546.6	3025.9	3014.6	2569.6	1543.4	791.2	416.2
75°	1673.9	1705.7	1951.1	2540.4	3214.6	3213.1	2437.6	981.2	327.3	172.5
77.5°	897.6	947.9	1266.7	1875.6	2509.5	2547.2	1713.8	343.3	140.5	110.4
80°	292.7	336.7	504.9	955.0	1630.6	1623.6	734.5	134.7	96.2	78.2
82.5°	124.3	129.4	225.6	450.9	836.9	823.8	233.9	77.4	67.6	53.5
85°	48.6	54.4	99.6	208.5	362.5	354.6	84.4	38.4	43.3	35.0
87.5°	16.0	19.4	35.6	71.4	112.8	108.7	20.7	13.2	18.8	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852069
 CATALOG NUMBER: GLAN-SB1A-840-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
525.6	0°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
527.1	2.5°	530.0	533.5	537.5	543.5	548.6	552.9	557.3	560.1	561.2	564.4
527.9	5°	533.9	541.3	551.4	561.2	570.8	576.5	581.6	584.2	586.5	588.2
530.3	7.5°	540.3	549.9	565.6	578.4	586.5	591.2	594.6	593.8	594.6	595.1
532.8	10°	545.8	559.3	578.0	590.2	596.4	596.6	595.7	592.7	591.2	591.4
536.7	12.5°	552.4	567.4	587.6	597.8	599.5	594.9	591.2	586.1	584.2	583.3
542.4	15°	561.4	578.4	598.1	601.9	597.6	591.7	585.5	577.2	572.9	569.5
552.2	17.5°	572.3	591.0	606.2	603.4	594.2	584.4	574.4	561.8	553.1	549.4
565.6	20°	587.4	604.2	612.3	600.2	586.3	571.4	554.3	539.0	530.9	527.3
582.7	22.5°	605.7	621.9	618.3	594.6	575.0	551.1	529.8	518.5	514.5	511.9
604.7	25°	627.7	641.6	622.6	586.5	556.5	524.3	507.9	504.2	502.3	500.4
631.5	27.5°	656.3	663.7	625.8	574.6	527.5	495.7	489.7	490.4	489.7	486.5
668.8	30°	694.0	692.5	628.8	555.2	494.2	469.9	470.3	473.1	473.5	471.4
720.9	32.5°	743.7	728.5	630.3	530.0	462.5	447.3	447.7	450.7	452.9	449.2
788.9	35°	803.8	770.5	627.9	498.5	437.9	425.8	422.6	423.4	424.1	420.7
871.4	37.5°	874.0	817.7	617.5	463.5	417.7	404.7	397.9	392.1	388.7	385.5
964.8	40°	950.9	869.0	598.3	429.4	395.1	382.3	372.1	361.2	349.7	345.4
1063.7	42.5°	1031.5	921.9	575.0	396.8	369.1	358.6	347.7	332.0	314.7	306.0
1166.5	45°	1115.1	976.1	552.2	364.6	342.4	337.9	325.4	306.4	287.6	276.5
1269.5	47.5°	1197.0	1027.2	518.7	332.2	317.5	322.4	312.6	295.1	274.2	256.7
1371.6	50°	1275.2	1075.2	463.9	299.3	297.2	317.7	308.3	283.1	259.3	236.9
1471.8	52.5°	1352.8	1114.0	393.8	269.5	286.3	316.4	302.8	275.0	245.8	222.4
1566.0	55°	1418.7	1134.1	326.2	243.9	270.6	305.5	296.1	265.4	226.9	201.9
1630.6	57.5°	1456.2	1117.9	269.9	218.8	248.8	287.6	284.8	245.0	204.3	185.1
1643.2	60°	1440.0	1052.2	223.9	196.8	228.1	268.2	265.2	224.7	187.0	168.9
1575.8	62.5°	1350.7	927.0	187.4	177.6	209.4	248.4	245.6	209.2	173.8	156.3
1397.0	65°	1170.7	754.1	159.1	161.6	190.4	224.5	228.6	196.2	163.3	146.3
1080.8	67.5°	892.9	546.2	136.9	147.8	171.8	201.1	212.8	186.8	154.6	138.4
625.3	70°	508.9	310.2	118.1	134.3	155.4	179.3	200.6	179.3	145.2	131.8
234.3	72.5°	193.0	142.4	102.1	120.9	139.7	161.0	187.2	167.6	134.3	124.3
121.1	75°	103.0	86.8	85.9	105.1	121.5	143.1	170.4	156.1	126.2	131.3
83.8	77.5°	70.1	61.4	71.9	90.0	101.7	123.2	152.4	138.6	109.4	109.0
58.0	80°	48.6	43.5	58.4	72.5	78.7	103.6	133.0	119.0	89.1	83.2
35.8	82.5°	29.2	28.4	43.7	54.2	55.6	80.0	110.2	99.8	72.9	63.5
21.3	85°	16.0	16.8	27.9	31.8	32.4	55.9	86.4	77.2	56.1	47.1
7.7	87.5°	4.5	5.8	10.2	12.6	15.6	29.0	51.4	45.8	28.1	19.6
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°
525.6
564.2
588.7
595.7
591.9
582.9
570.6
549.7
526.8
512.3
500.4
487.2
472.5
450.9
423.0
387.6
347.3
307.0
275.7
254.8
235.0
219.8
199.8
182.5
166.3
153.5
143.5
135.8
130.1
122.6
135.6
100.4
79.5
64.0
47.5
19.6
0.0

F REPORT)