

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: P852108

Luminaire Tested: **GLAN-SB1B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852108
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-SB1B-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 450mA 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: 2877 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

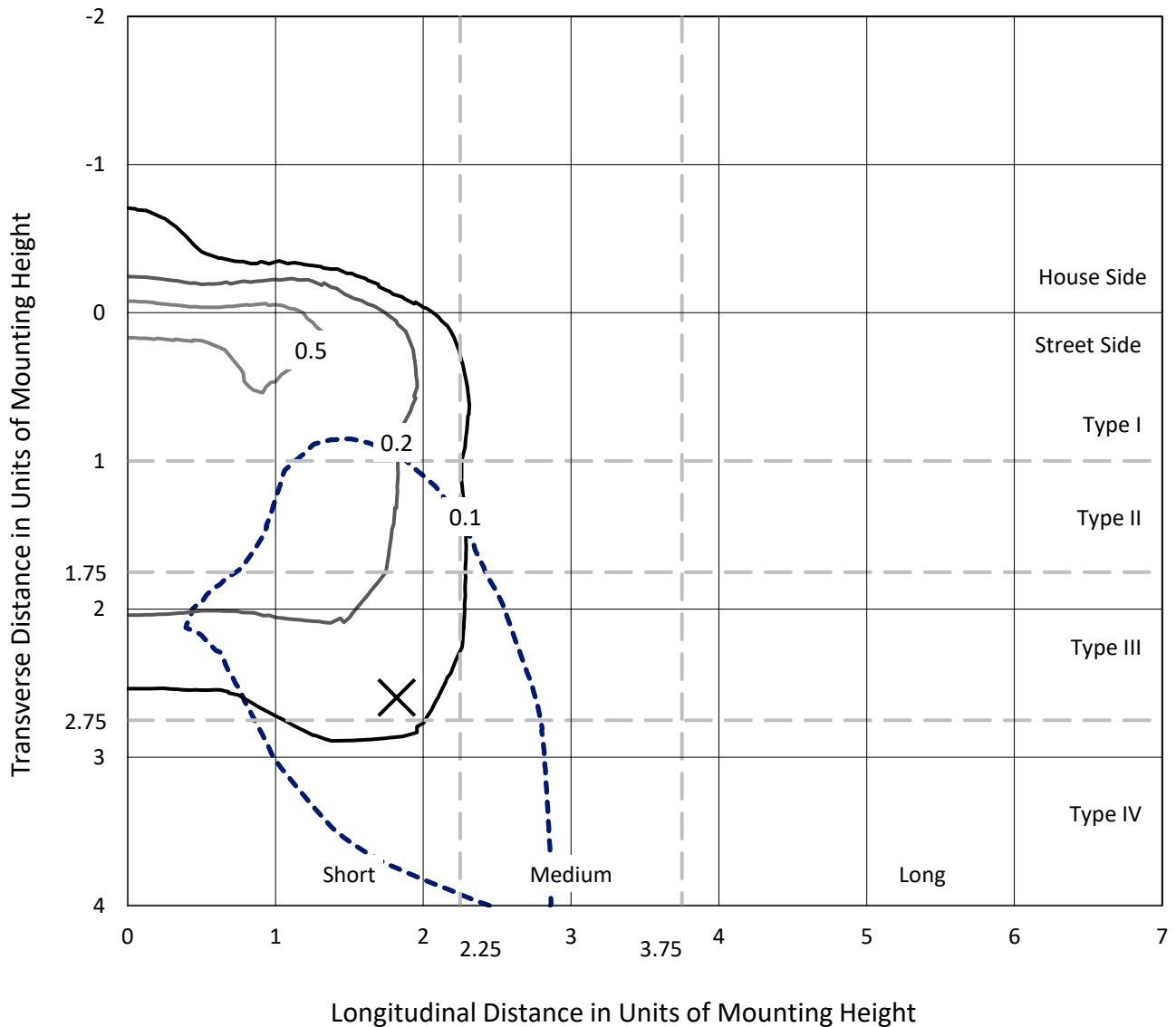
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852108
 CATALOG NUMBER: GLAN-SB1B-930-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

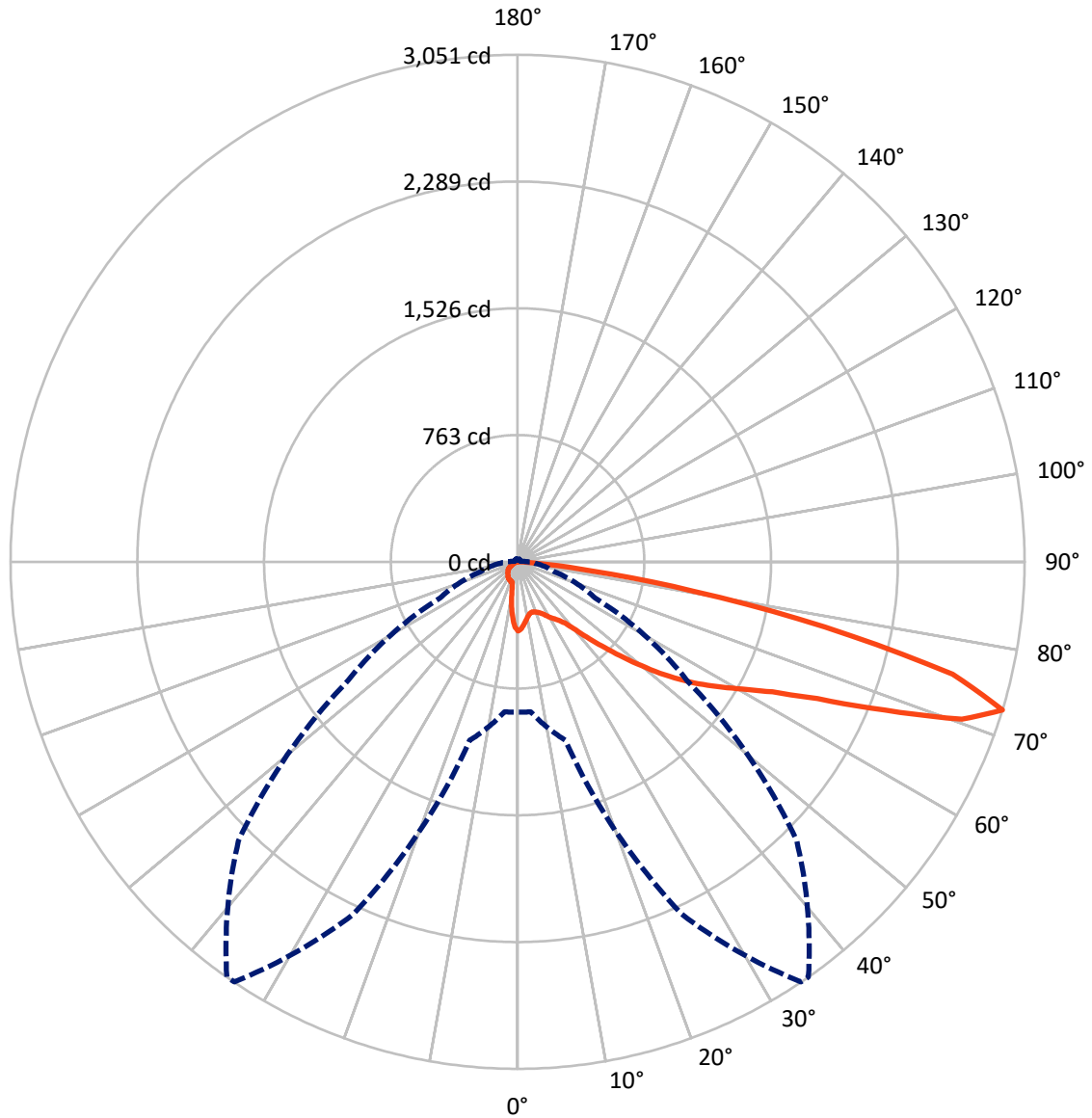
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P852108
CATALOG NUMBER: GLAN-SB1B-930-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852108
 CATALOG NUMBER: GLAN-SB1B-930-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	323.8	0.0	323.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2553.2	0.0	2553.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	2877.0	0.0	2877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.2
10°-20°	80.2	2.8
20°-30°	130.2	4.5
30°-40°	217.3	7.6
40°-50°	411.1	14.3
50°-60°	653.2	22.7
60°-70°	808.0	28.1
70°-80°	502.3	17.5
80°-90°	40.6	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°	2877.0	100.0
0°-180°	2877.0	100.0

Coefficient of Utilization



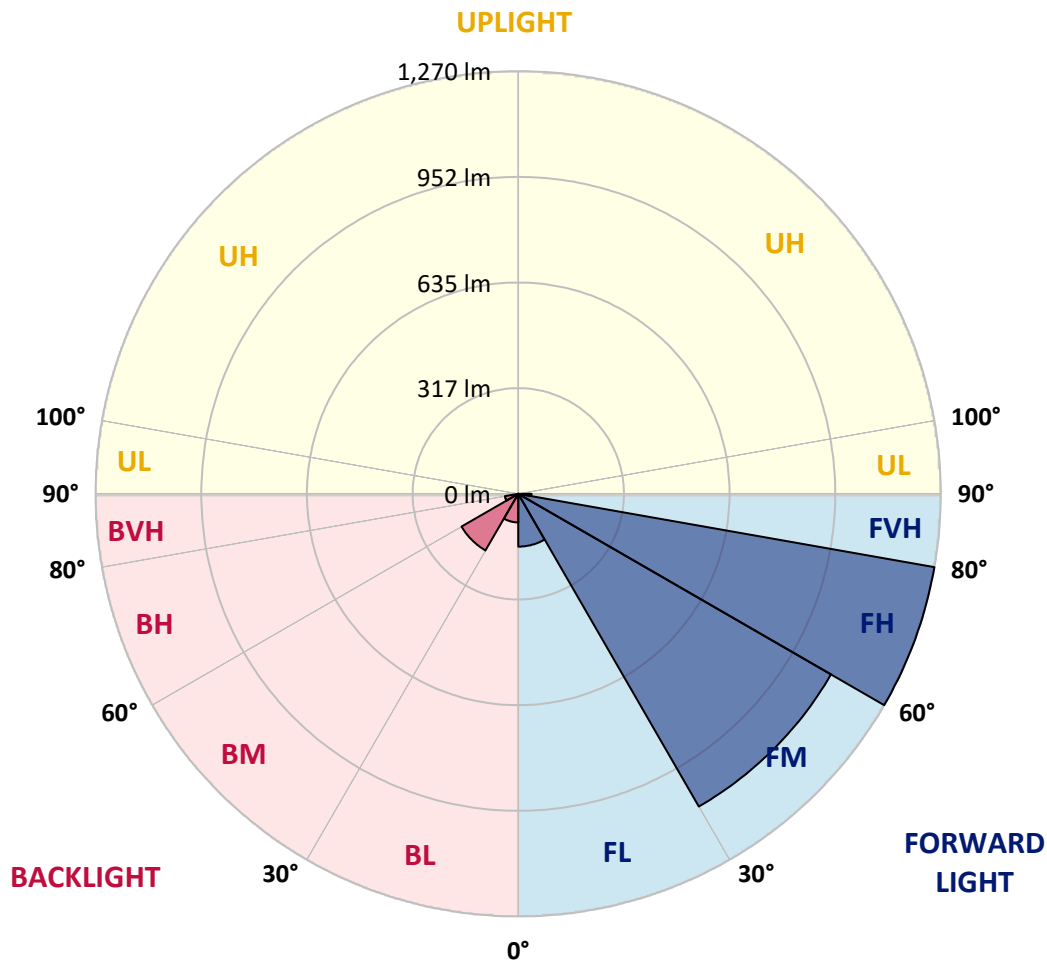
REPORT NUMBER: P852108
 CATALOG NUMBER: GLAN-SB1B-930-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.6	5.5			
FM (30°-60°)	1084.9	37.7			
FH (60°-80°)	1269.7	44.1			G1/1800
FVH (80°-90°)	40.0	1.4			G1/100
BL (0°-30°)	86.0	3.0	B0/110		
BM (30°-60°)	196.6	6.8	B0/220		
BH (60°-80°)	40.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



REPORT NUMBER: P852108
 CATALOG NUMBER: GLAN-SB1B-930-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0
2.5°	398.4	401.8	402.4	403.5	403.5	404.7	406.9	409.8	414.7	417.2
5°	367.2	369.8	372.9	375.4	380.3	380.9	389.1	397.2	408.3	416.8
7.5°	335.8	338.8	343.0	349.1	355.4	357.3	369.8	383.2	401.0	416.8
10°	313.7	313.9	317.7	323.8	333.9	336.2	351.4	370.6	392.7	414.2
12.5°	301.2	302.7	304.4	309.0	318.7	320.2	336.4	359.0	384.5	412.8
15°	301.2	302.3	303.3	305.7	313.5	314.7	329.1	351.6	380.3	413.4
17.5°	304.4	306.1	305.2	308.0	316.2	317.1	329.7	349.5	380.1	417.4
20°	312.0	313.3	311.6	313.3	321.5	323.2	336.2	353.5	383.7	424.4
22.5°	324.0	324.6	320.6	321.9	330.3	332.4	347.6	364.9	392.3	435.5
25°	339.2	340.5	334.3	335.8	343.8	346.4	363.9	382.0	406.0	450.9
27.5°	356.7	357.3	352.0	351.8	362.2	365.7	383.5	403.1	424.4	470.3
30°	376.7	378.6	373.5	372.7	385.8	388.7	406.2	429.0	451.3	499.4
32.5°	392.5	394.0	391.0	393.2	406.4	408.8	433.8	465.7	493.7	540.7
35°	415.3	416.1	409.4	413.2	428.4	434.3	471.6	517.1	547.0	592.6
37.5°	497.7	497.7	469.0	450.3	464.8	470.1	523.2	581.8	612.8	662.1
40°	611.8	609.9	567.9	529.5	527.6	538.0	596.8	663.4	697.8	745.6
42.5°	733.4	730.4	673.3	635.4	629.0	632.6	681.7	764.0	799.0	847.4
45°	841.3	840.5	788.2	737.2	725.8	737.2	787.8	881.6	906.7	957.7
47.5°	931.8	931.8	893.6	860.3	854.4	861.1	931.3	1012.1	1009.8	1075.1
50°	1035.9	1035.1	998.8	984.5	990.6	1000.1	1096.6	1149.5	1116.4	1190.4
52.5°	1108.8	1113.9	1101.5	1099.1	1130.3	1146.8	1264.4	1284.0	1211.9	1299.8
55°	1166.6	1172.5	1186.8	1203.1	1263.1	1284.7	1426.9	1411.6	1291.8	1394.7
57.5°	1248.4	1240.0	1262.1	1294.1	1391.3	1417.2	1584.4	1531.9	1356.1	1471.6
60°	1347.7	1348.9	1352.7	1393.2	1519.3	1552.6	1739.6	1645.8	1397.4	1518.9
62.5°	1467.0	1468.9	1476.7	1538.9	1691.1	1722.5	1904.8	1738.9	1416.4	1505.6
65°	1458.8	1466.8	1553.8	1766.6	1952.3	1983.3	2097.7	1804.3	1387.7	1384.2
67.5°	1328.9	1342.0	1487.7	2038.5	2346.1	2380.6	2330.9	1817.1	1264.0	1076.4
70°	1158.6	1163.2	1338.4	2283.0	2802.0	2837.0	2539.6	1675.7	959.2	600.4
72.5°	904.8	905.8	1111.4	2339.7	3049.5	3051.4	2375.8	1244.0	515.8	230.6
75°	646.3	640.0	744.4	1897.5	2682.9	2704.4	1781.1	583.5	197.1	109.0
77.5°	346.6	353.5	421.2	1125.3	1853.4	1890.1	971.8	168.2	100.3	74.2
80°	107.1	113.0	172.6	515.2	1049.8	1071.9	360.3	74.8	70.0	52.9
82.5°	33.7	35.0	80.5	216.5	435.7	445.9	104.3	42.4	47.9	35.0
85°	9.7	9.9	35.8	80.7	107.7	109.8	29.3	16.4	27.4	21.7
87.5°	1.1	3.4	13.5	13.5	9.5	9.3	3.2	3.6	7.8	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852108
 CATALOG NUMBER: GLAN-SB1B-930-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
417.0	0°	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0
418.9	2.5°	417.8	418.0	415.3	410.6	405.6	401.4	396.1	391.9	388.9	388.1
422.7	5°	420.8	419.3	411.5	397.4	380.5	366.0	349.7	336.9	328.4	324.9
426.7	7.5°	425.2	421.0	403.9	376.1	343.8	315.2	286.1	263.5	249.2	242.0
430.5	10°	429.0	420.6	391.3	345.3	296.0	252.5	213.3	186.1	171.0	163.8
434.9	12.5°	432.6	420.3	374.8	308.8	242.0	188.9	152.4	138.9	134.7	133.2
442.1	15°	439.3	421.0	354.2	267.1	188.2	142.7	129.4	129.2	130.1	129.6
453.0	17.5°	448.6	421.6	330.8	222.8	145.2	125.9	125.2	127.1	128.4	127.7
466.7	20°	460.6	424.1	305.9	179.0	124.8	121.6	123.1	124.8	125.9	124.8
485.1	22.5°	477.5	428.6	278.7	143.8	118.3	119.1	120.4	122.3	123.3	121.8
508.5	25°	498.1	435.5	251.9	125.0	115.1	116.2	118.1	120.2	121.4	119.9
538.0	27.5°	524.9	446.7	227.2	120.8	111.9	112.6	115.3	118.5	120.2	118.3
579.9	30°	563.7	465.0	206.0	122.7	110.0	108.6	112.4	116.8	118.7	117.0
637.1	32.5°	615.1	491.0	192.9	125.6	109.2	103.9	107.5	113.2	116.4	115.3
711.7	35°	682.6	530.4	187.8	129.0	108.6	99.1	101.6	107.7	113.2	114.3
805.7	37.5°	764.4	585.2	189.3	130.5	106.7	95.1	96.3	101.6	108.8	112.1
911.5	40°	857.3	649.1	197.7	129.0	104.6	91.7	91.9	95.9	102.2	107.3
1025.4	42.5°	953.3	723.7	213.3	123.5	102.7	88.7	88.1	90.9	95.1	98.7
1139.0	45°	1044.5	800.4	228.7	115.9	100.3	85.8	84.3	85.4	86.2	87.7
1249.7	47.5°	1124.2	854.4	224.3	109.0	97.2	82.4	79.9	79.5	76.9	76.7
1348.5	50°	1179.2	866.2	199.2	102.0	92.5	78.6	74.6	72.1	67.7	65.6
1422.5	52.5°	1196.7	819.6	162.7	95.1	85.0	73.6	67.9	63.9	58.4	56.5
1465.1	55°	1173.6	728.3	130.1	86.6	74.4	66.8	60.5	55.2	50.8	48.5
1469.7	57.5°	1116.8	612.2	102.9	76.7	63.2	59.2	52.9	47.6	43.8	41.5
1418.3	60°	1022.8	486.1	81.4	64.9	54.0	51.0	44.5	41.1	37.7	35.0
1285.5	62.5°	880.1	347.0	63.9	51.4	45.1	41.7	37.9	35.4	31.4	27.6
1046.7	65°	686.8	212.3	49.3	37.7	36.3	34.6	32.3	29.9	25.1	21.3
682.8	67.5°	433.2	100.6	35.2	28.5	28.7	27.8	26.8	24.9	21.3	17.9
305.9	70°	190.8	48.7	23.2	21.7	21.3	21.3	22.1	21.5	18.1	15.0
106.2	72.5°	64.9	26.1	17.3	16.4	15.4	15.2	18.6	17.9	14.5	11.6
52.9	75°	33.9	17.5	12.6	11.8	9.3	11.2	14.8	13.9	10.3	7.6
35.0	77.5°	22.1	12.4	8.6	7.6	5.3	7.4	11.0	9.7	6.1	3.8
23.0	80°	13.9	8.2	5.1	3.6	2.5	4.0	5.9	4.2	2.3	0.8
13.5	82.5°	7.4	4.2	1.9	1.3	1.1	1.3	1.5	1.1	0.4	0.0
7.0	85°	3.0	1.5	0.6	0.4	0.2	0.0	0.4	0.2	0.0	0.0
1.3	87.5°	1.1	0.2	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/>
417.0
389.6
326.1
243.1
164.0
132.8
129.4
127.5
124.6
121.6
119.7
118.3
116.8
115.3
114.3
113.0
109.0
100.1
88.5
76.5
65.8
56.3
48.5
41.1
34.4
27.0
20.7
17.5
14.3
<i>11.0</i>
7.0
3.4
0.6
0.0
0.0
0.0
0.0

F REPORT)