

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: P845727

Luminaire Tested: **GLAN-SB1A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3453 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

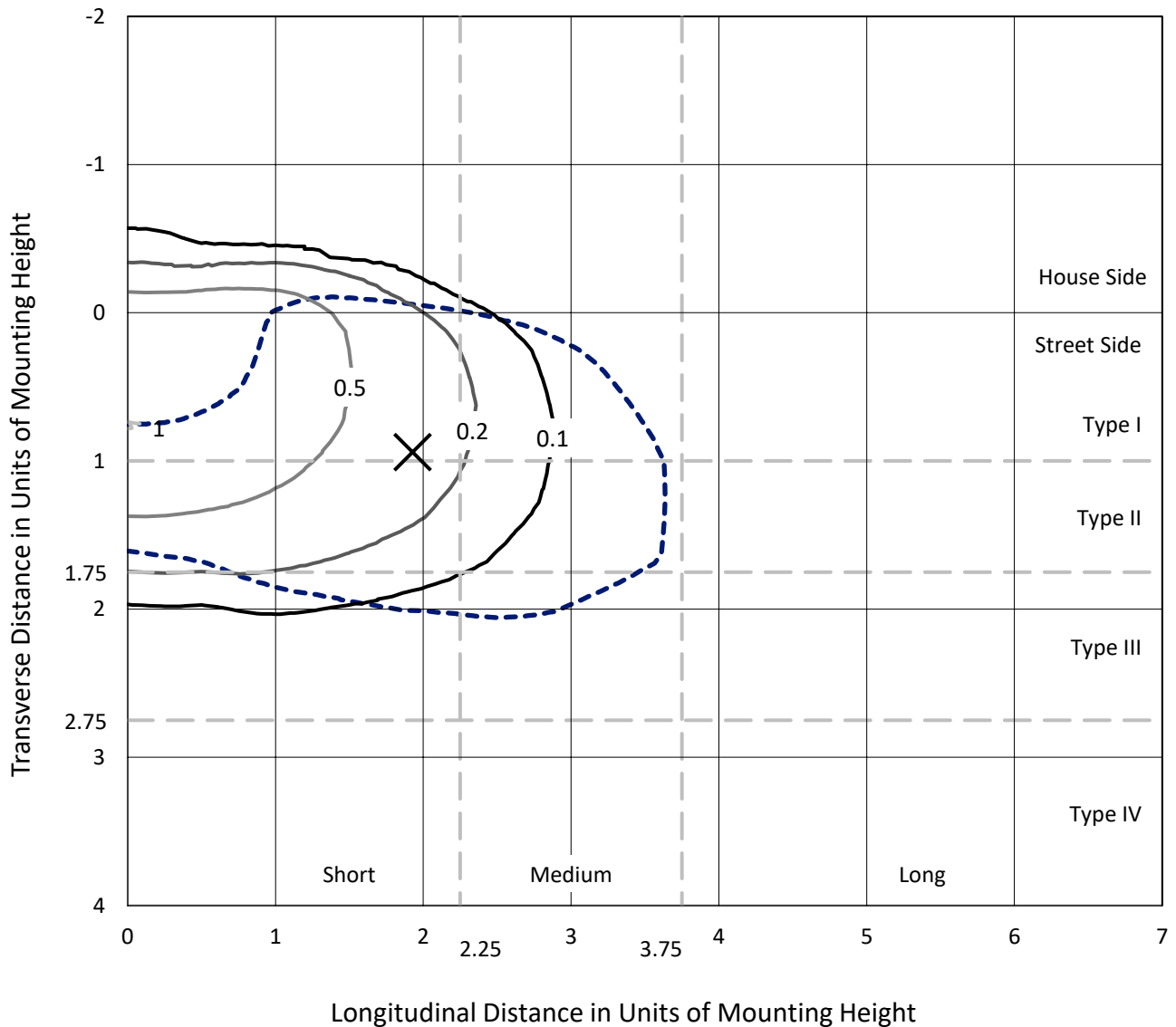
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845727
 CATALOG NUMBER: GLAN-SB1A-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

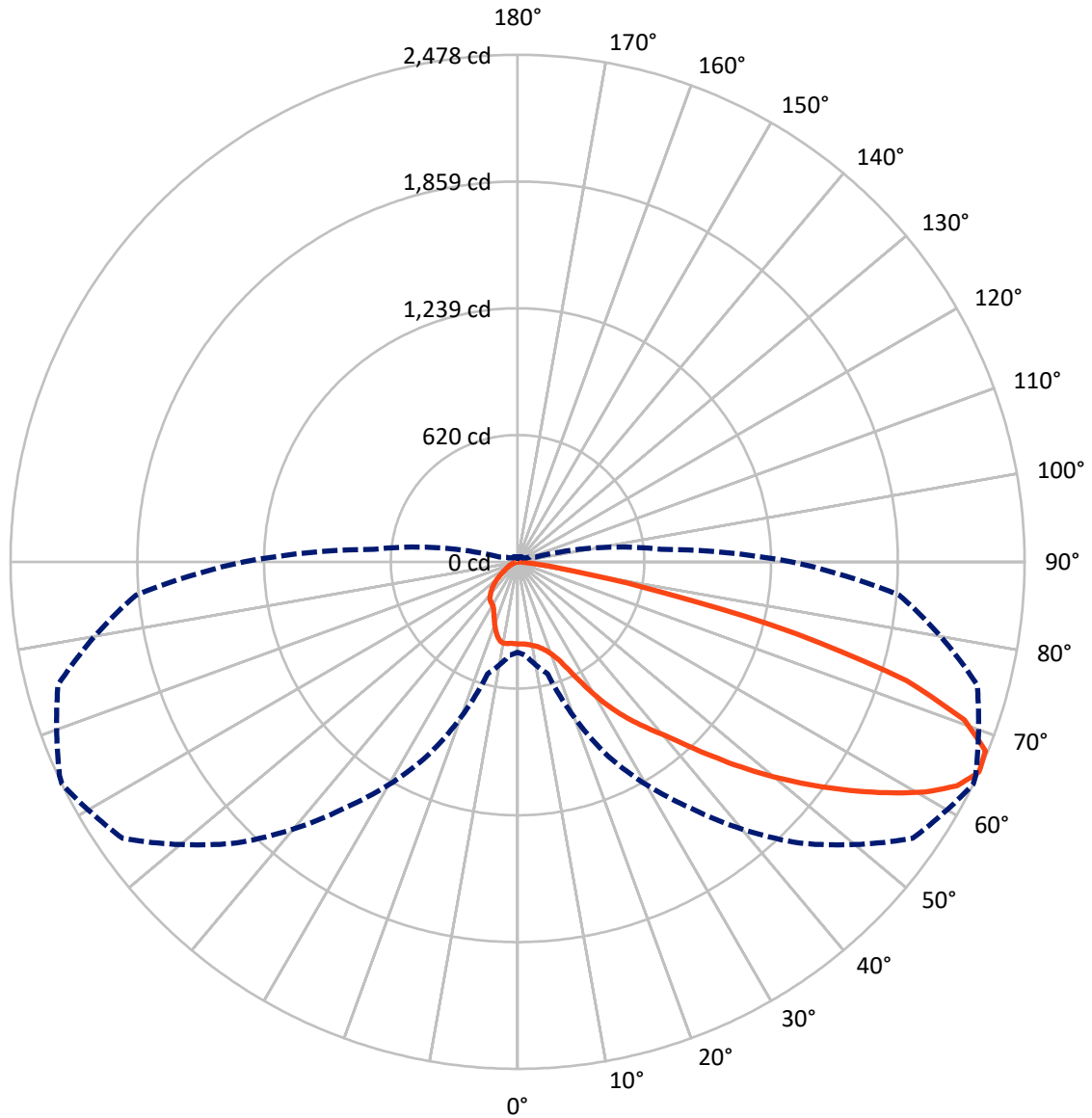
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

REPORT NUMBER: P845727
CATALOG NUMBER: GLAN-SB1A-735-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P845727
 CATALOG NUMBER: GLAN-SB1A-735-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	461.8	0.0	461.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2991.2	0.0	2991.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	3453.0	0.0	3453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.1
10°-20°	100.5	2.9
20°-30°	190.4	5.5
30°-40°	385.4	11.2
40°-50°	656.5	19.0
50°-60°	892.7	25.9
60°-70°	838.3	24.3
70°-80°	335.9	9.7
80°-90°	16.3	0.5
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°	3453.0	100.0
0°-180°	3453.0	100.0

Coefficient of Utilization



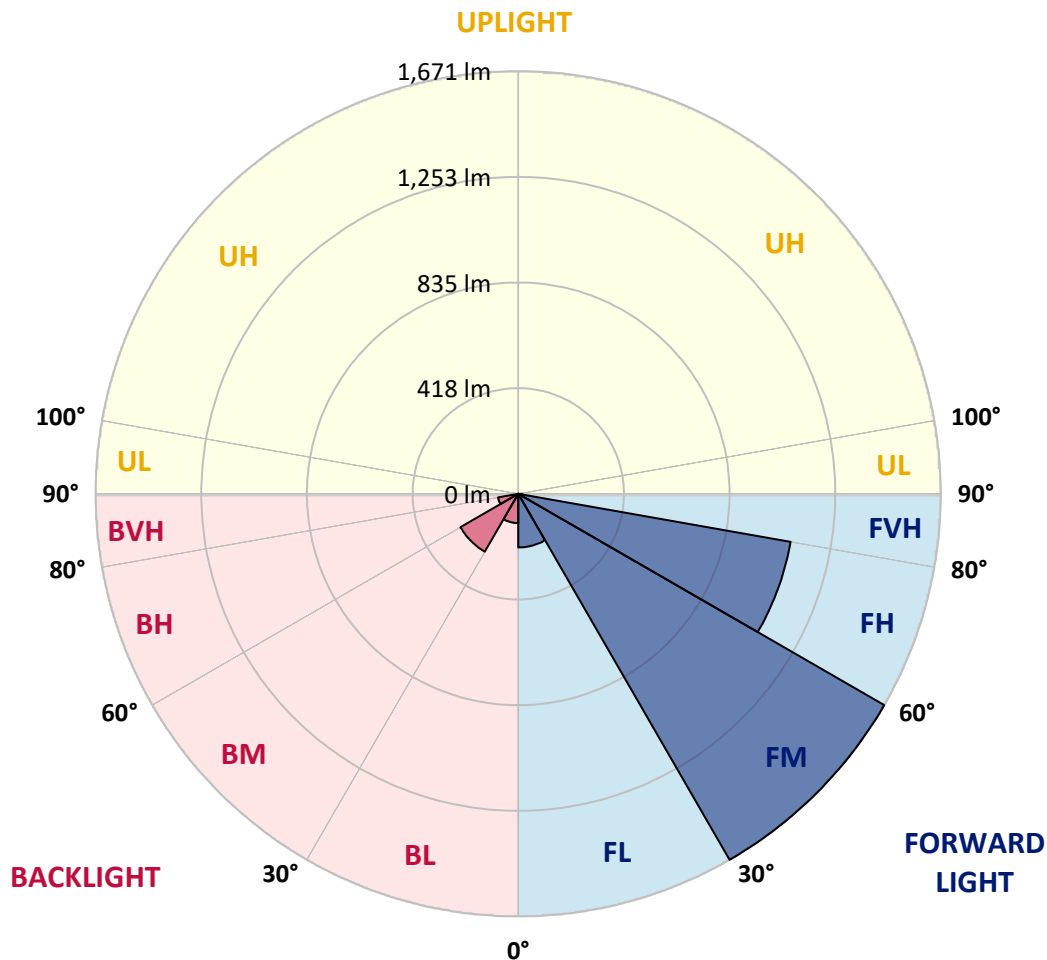
REPORT NUMBER: P845727
 CATALOG NUMBER: GLAN-SB1A-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.1	6.1			
FM (30°-60°)	1670.6	48.4			
FH (60°-80°)	1093.1	31.7			G1/1800
FVH (80°-90°)	15.5	0.4			G1/100
BL (0°-30°)	115.9	3.4	B1/500		
BM (30°-60°)	264.0	7.6	B1/1000		
BH (60°-80°)	81.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	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-G1

Type III Short



REPORT NUMBER: P845727
 CATALOG NUMBER: GLAN-SB1A-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6
2.5°	400.2	403.0	402.3	401.6	401.4	401.9	402.1	401.9	401.9	401.9
5°	392.6	394.9	394.9	396.5	398.8	401.6	403.7	404.2	404.6	405.3
7.5°	378.0	379.9	381.2	386.6	392.4	399.8	406.0	409.3	409.7	412.3
10°	368.1	370.4	372.7	378.2	386.6	397.7	408.3	416.2	417.4	423.4
12.5°	367.6	369.9	372.9	378.9	388.7	400.5	413.4	424.8	426.9	435.6
15°	372.5	375.2	378.0	385.4	395.8	410.2	424.1	438.2	440.3	452.8
17.5°	382.4	386.1	388.2	395.6	406.7	422.7	441.0	457.2	459.0	473.6
20°	402.1	406.5	407.2	413.2	424.1	441.2	463.0	483.1	485.4	502.1
22.5°	442.8	449.1	443.5	446.5	456.2	473.4	497.0	522.5	525.7	544.7
25°	514.6	523.4	509.0	503.9	508.1	525.9	555.6	587.7	591.4	606.7
27.5°	655.6	644.2	622.5	601.2	588.7	598.8	632.2	672.0	676.6	691.4
30°	810.4	800.5	771.1	723.8	694.2	692.6	723.4	767.8	773.1	787.3
32.5°	965.5	956.0	924.1	866.0	814.6	789.1	810.4	859.7	862.5	871.5
35°	1118.1	1108.3	1076.4	1016.9	953.7	895.8	891.7	947.2	948.1	957.6
37.5°	1271.5	1263.4	1229.4	1171.1	1108.8	1028.9	990.3	1030.1	1031.2	1040.5
40°	1381.0	1384.5	1361.1	1316.0	1262.5	1175.2	1100.9	1118.3	1111.3	1126.9
42.5°	1475.0	1481.9	1461.6	1438.9	1407.9	1331.0	1238.0	1235.0	1223.8	1232.2
45°	1556.2	1562.0	1543.7	1538.4	1537.7	1483.8	1387.7	1369.7	1354.2	1352.5
47.5°	1586.1	1597.2	1605.1	1622.9	1657.6	1635.0	1542.6	1514.6	1497.2	1484.5
50°	1597.5	1609.3	1636.1	1688.0	1770.1	1779.9	1696.8	1665.3	1644.0	1620.8
52.5°	1582.2	1603.2	1639.3	1726.6	1845.8	1896.1	1844.7	1817.1	1792.8	1755.1
55°	1492.1	1513.2	1587.0	1726.2	1883.6	1977.5	1984.5	1972.2	1944.9	1885.4
57.5°	1302.3	1333.6	1450.5	1667.4	1882.9	2047.7	2121.5	2130.3	2099.8	2014.6
60°	1039.4	1081.7	1224.3	1537.0	1824.8	2085.6	2241.7	2285.6	2253.2	2141.9
62.5°	725.2	774.3	909.3	1332.9	1691.9	2058.3	2329.4	2410.6	2386.1	2255.8
65°	442.4	458.1	566.9	1048.8	1466.0	1944.0	2356.5	2478.2	2470.1	2325.5
67.5°	294.7	307.9	339.1	719.2	1138.0	1715.5	2291.7	2466.4	2468.7	2314.1
70°	177.5	188.9	209.3	418.3	737.5	1357.9	2091.0	2316.0	2329.4	2162.5
72.5°	73.1	80.8	99.3	189.6	381.9	861.8	1665.0	1988.4	2019.7	1818.3
75°	41.4	45.4	58.3	95.1	165.7	401.6	1008.6	1411.6	1457.6	1253.2
77.5°	27.5	29.4	37.7	61.6	93.3	137.0	431.0	735.4	823.4	684.5
80°	18.5	20.1	25.9	41.2	60.6	58.8	137.3	272.5	335.2	235.2
82.5°	12.5	12.7	18.5	27.1	38.4	28.5	40.5	84.7	106.5	68.1
85°	7.2	6.9	13.7	15.7	17.1	11.8	12.3	25.5	33.3	28.7
87.5°	0.9	1.4	5.3	4.2	2.3	2.5	2.5	4.4	6.5	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845727
 CATALOG NUMBER: GLAN-SB1A-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
401.6	0°	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6
402.1	2.5°	402.1	401.9	401.2	400.5	398.8	397.9	398.4	397.9	397.7	397.9
405.1	5°	405.1	404.4	402.5	400.2	397.0	393.1	390.5	386.8	383.3	381.2
413.2	7.5°	413.2	412.5	410.0	403.5	393.1	376.6	361.6	348.4	338.4	332.6
426.2	10°	426.2	425.0	421.1	406.7	379.4	343.5	313.7	288.9	272.7	265.0
441.4	12.5°	441.4	440.0	433.1	403.7	353.5	297.5	256.2	228.7	213.7	206.9
459.0	15°	459.5	457.6	444.0	389.4	315.7	246.5	208.8	188.2	178.5	172.5
481.5	17.5°	481.9	478.7	452.1	367.8	274.8	207.6	179.6	164.1	155.6	149.8
510.9	20°	511.1	505.8	458.6	342.1	237.0	183.1	160.0	147.0	140.5	135.4
552.5	22.5°	551.9	544.2	466.4	314.4	210.4	166.2	145.4	135.9	130.6	124.8
610.6	25°	602.3	593.3	476.2	288.7	192.1	151.6	134.7	126.9	120.6	113.9
686.8	27.5°	672.9	656.7	487.7	267.6	176.4	139.1	125.0	116.2	109.0	103.5
773.1	30°	751.6	725.0	497.9	254.9	162.0	127.5	112.3	103.5	96.8	92.8
850.7	32.5°	826.2	790.0	504.6	249.3	149.1	114.4	98.4	88.9	83.8	82.6
926.6	35°	896.5	848.8	503.9	244.0	137.5	101.2	84.7	75.0	71.1	71.8
1008.3	37.5°	977.5	911.6	499.1	235.6	128.0	89.1	72.9	64.4	60.9	61.1
1107.6	40°	1071.8	984.0	496.1	219.9	117.6	78.0	63.2	56.2	53.7	52.8
1212.3	42.5°	1172.2	1054.2	496.5	202.1	104.6	68.1	56.5	50.7	48.4	47.7
1328.7	45°	1273.1	1121.1	497.2	183.6	91.0	60.4	51.6	46.8	45.4	44.4
1446.8	47.5°	1368.1	1178.0	484.3	163.7	77.5	54.6	47.7	44.4	43.3	42.1
1565.3	50°	1456.5	1216.0	453.0	140.5	66.9	50.0	44.7	42.4	41.2	40.0
1672.7	52.5°	1525.2	1222.0	401.4	116.7	59.5	46.5	42.8	40.7	39.4	38.2
1759.5	55°	1555.8	1184.3	328.0	94.4	53.7	43.5	41.0	38.9	37.3	36.1
1827.8	57.5°	1547.9	1104.9	255.8	75.9	48.1	40.5	38.7	37.3	35.4	33.6
1883.1	60°	1509.3	998.6	192.8	63.2	43.1	37.3	36.1	35.0	32.4	29.6
1904.4	62.5°	1442.4	865.0	137.5	52.3	37.5	33.6	33.1	32.2	28.5	23.4
1872.9	65°	1340.0	702.8	92.6	43.5	32.2	29.4	29.6	28.0	23.1	17.4
1757.6	67.5°	1190.5	513.9	59.3	35.6	26.9	24.5	24.8	23.8	19.7	14.8
1539.1	70°	1000.0	340.3	38.7	27.1	21.5	19.0	20.4	20.6	16.7	12.0
1181.2	72.5°	733.1	200.9	27.1	20.1	15.7	13.2	16.7	17.1	13.4	9.0
710.6	75°	417.8	95.4	20.4	14.6	9.7	9.3	13.0	13.0	9.3	6.0
307.6	77.5°	175.5	39.8	14.4	9.5	5.6	5.3	8.8	8.1	4.6	2.8
75.0	80°	50.7	17.8	7.6	4.6	2.3	2.1	3.5	2.5	1.2	0.5
28.5	82.5°	19.9	7.9	3.0	1.9	0.9	0.9	0.5	0.0	0.0	0.0
16.2	85°	11.8	3.2	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0
3.5	87.5°	3.0	0.7	0.5	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/>
401.6
398.8
381.7
332.9
264.4
206.2
172.7
149.3
134.5
123.8
113.2
102.3
92.1
83.3
71.8
62.0
52.5
47.5
44.4
42.1
40.0
38.0
35.9
33.3
29.2
22.9
16.9
14.1
11.6
8.6
5.6
2.8
0.5
0.0
0.0
0.0
0.0

F REPORT)