

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: P845717

Luminaire Tested: **GLAN-SB1A-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845717  
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-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 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: 3399 lumens  
Efficiency: N/A  
Efficacy: 110.0 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

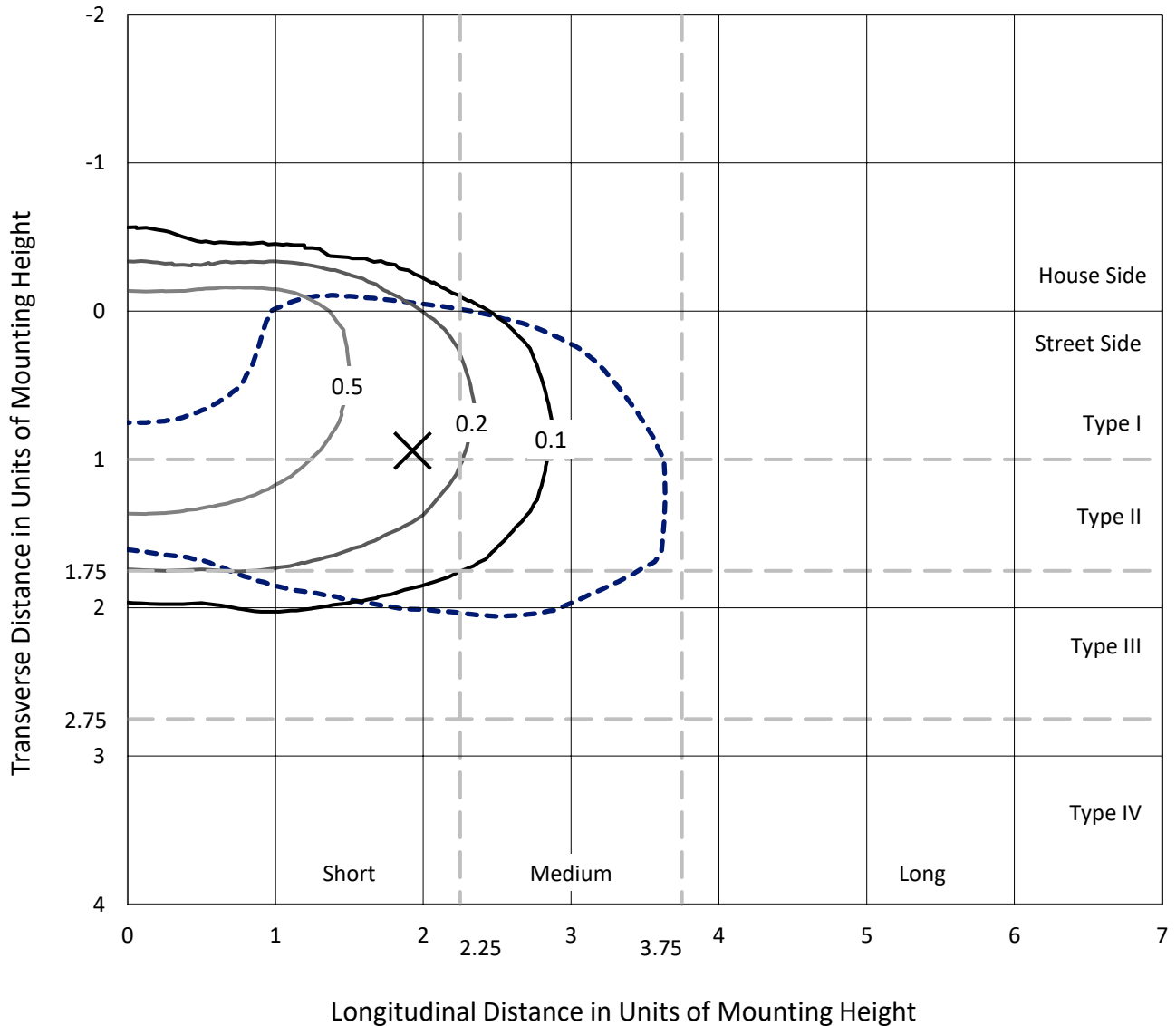
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P845717  
 CATALOG NUMBER: GLAN-SB1A-730-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

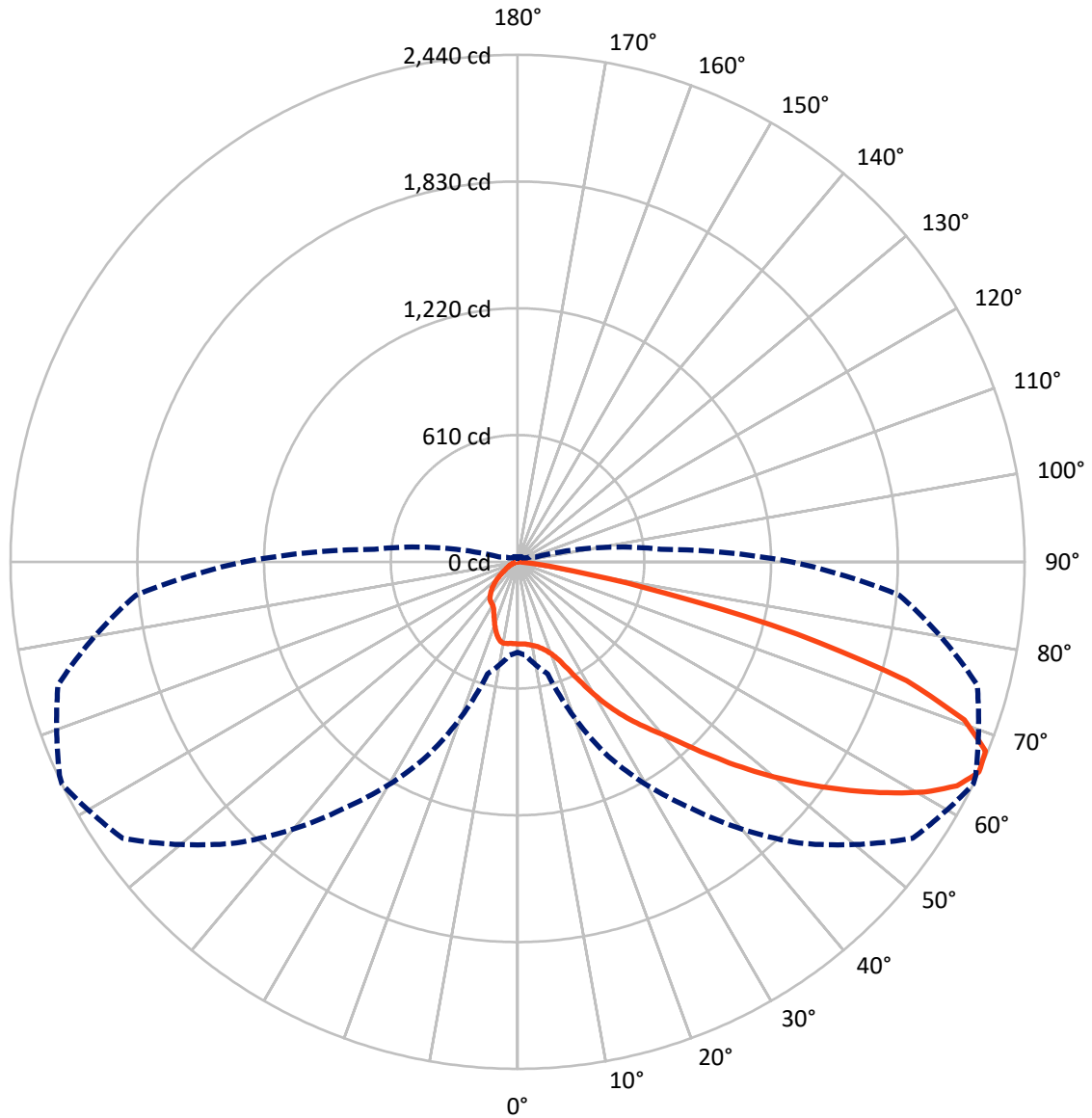
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P845717  
CATALOG NUMBER: GLAN-SB1A-730-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P845717  
 CATALOG NUMBER: GLAN-SB1A-730-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	454.6	0.0	454.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	2944.4	0.0	2944.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	3399.0	0.0	3399.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.5	1.1
10°-20°	98.9	2.9
20°-30°	187.5	5.5
30°-40°	379.3	11.2
40°-50°	646.2	19.0
50°-60°	878.8	25.9
60°-70°	825.2	24.3
70°-80°	330.6	9.7
80°-90°	16.0	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°	3399.0	100.0
0°-180°	3399.0	100.0

**Coefficient of Utilization**



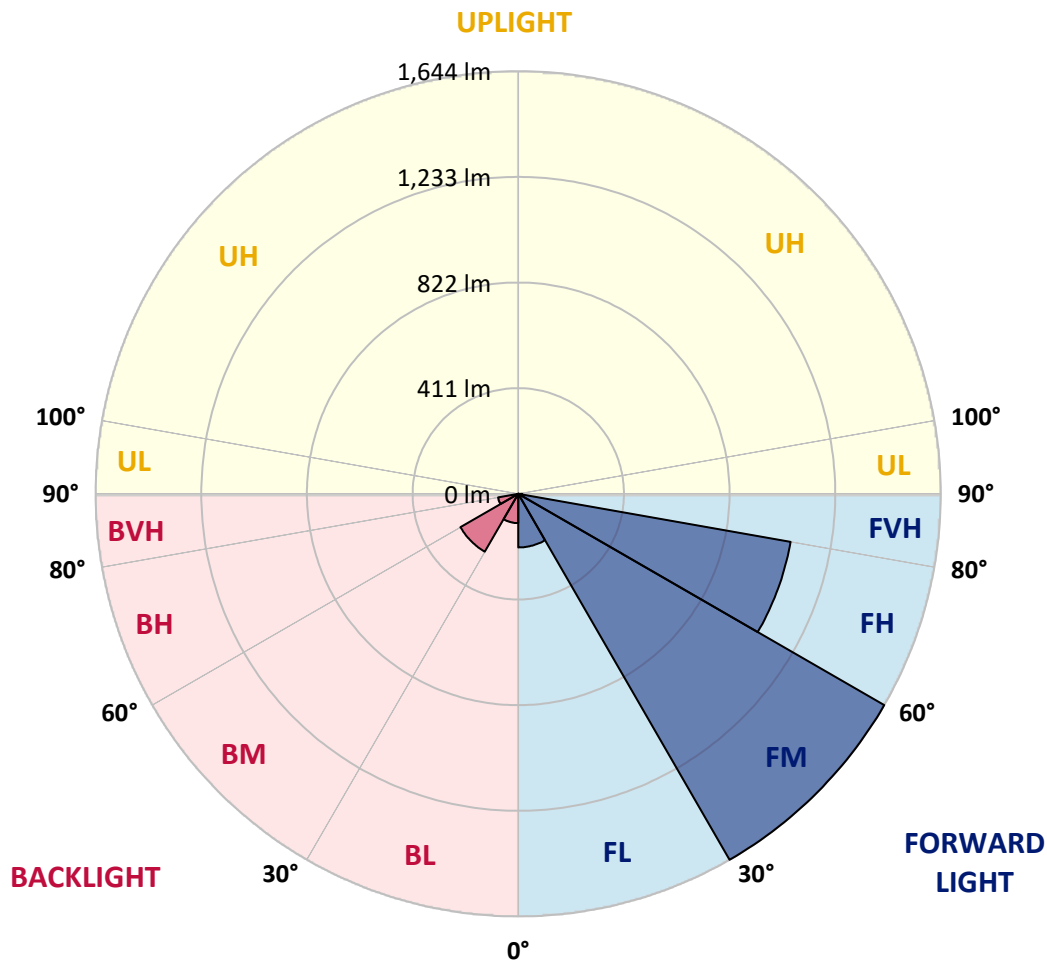
REPORT NUMBER: P845717  
 CATALOG NUMBER: GLAN-SB1A-730-U-T3-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.7	6.1			
FM (30°-60°)	1644.4	48.4			
FH (60°-80°)	1076.0	31.7			G1/1800
FVH (80°-90°)	15.2	0.4			G1/100
BL (0°-30°)	114.1	3.4	B1/500		
BM (30°-60°)	259.9	7.6	B1/1000		
BH (60°-80°)	79.8	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: P845717  
 CATALOG NUMBER: GLAN-SB1A-730-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3
2.5°	394.0	396.7	396.0	395.3	395.1	395.6	395.8	395.6	395.6	395.6
5°	386.5	388.7	388.7	390.3	392.6	395.3	397.4	397.8	398.3	399.0
7.5°	372.1	373.9	375.3	380.5	386.2	393.5	399.7	402.9	403.3	405.8
10°	362.3	364.6	366.9	372.3	380.5	391.5	401.9	409.7	410.8	416.8
12.5°	361.8	364.1	367.1	373.0	382.6	394.2	407.0	418.1	420.2	428.8
15°	366.6	369.4	372.1	379.4	389.6	403.8	417.4	431.3	433.4	445.7
17.5°	376.4	380.1	382.1	389.4	400.4	416.1	434.1	450.0	451.8	466.2
20°	395.8	400.1	400.8	406.7	417.4	434.3	455.7	475.5	477.8	494.2
22.5°	435.9	442.1	436.6	439.5	449.1	466.0	489.2	514.3	517.5	536.2
25°	506.5	515.2	501.1	496.1	500.2	517.7	546.9	578.5	582.2	597.2
27.5°	645.3	634.1	612.7	591.8	579.5	589.5	622.3	661.5	666.0	680.6
30°	797.7	787.9	759.0	712.5	683.4	681.8	712.1	755.8	761.1	775.0
32.5°	950.4	941.1	909.6	852.4	801.8	776.8	797.7	846.3	849.0	857.9
35°	1100.6	1091.0	1059.6	1001.0	938.8	881.8	877.7	932.4	933.3	942.7
37.5°	1251.6	1243.7	1210.2	1152.7	1091.5	1012.8	974.8	1014.0	1015.1	1024.2
40°	1359.4	1362.8	1339.8	1295.4	1242.8	1156.9	1083.7	1100.8	1094.0	1109.2
42.5°	1451.9	1458.8	1438.7	1416.4	1385.9	1310.2	1218.6	1215.6	1204.7	1212.9
45°	1531.9	1537.6	1519.6	1514.4	1513.7	1460.6	1366.0	1348.3	1333.0	1331.4
47.5°	1561.3	1572.2	1580.0	1597.5	1631.7	1609.4	1518.5	1490.9	1473.8	1461.3
50°	1572.5	1584.1	1610.5	1661.6	1742.5	1752.0	1670.2	1639.2	1618.3	1595.5
52.5°	1557.4	1578.2	1613.7	1699.6	1817.0	1866.4	1815.8	1788.7	1764.8	1727.6
55°	1468.8	1489.5	1562.2	1699.2	1854.1	1946.6	1953.5	1941.4	1914.5	1855.9
57.5°	1281.9	1312.7	1427.8	1641.3	1853.4	2015.7	2088.3	2097.0	2066.9	1983.1
60°	1023.1	1064.8	1205.2	1513.0	1796.2	2053.0	2206.6	2249.9	2218.0	2108.4
62.5°	713.9	762.2	895.0	1312.0	1665.4	2026.1	2293.0	2372.9	2348.8	2220.5
65°	435.4	450.9	558.0	1032.4	1443.0	1913.6	2319.6	2439.5	2431.5	2289.1
67.5°	290.1	303.1	333.8	708.0	1120.2	1688.7	2255.8	2427.9	2430.1	2277.9
70°	174.8	185.9	206.0	411.7	726.0	1336.6	2058.3	2279.8	2293.0	2128.7
72.5°	72.0	79.5	97.8	186.6	376.0	848.3	1639.0	1957.3	1988.1	1789.8
75°	40.8	44.7	57.4	93.7	163.1	395.3	992.8	1389.5	1434.8	1233.6
77.5°	27.1	28.9	37.1	60.6	91.8	134.9	424.3	723.9	810.5	673.8
80°	18.2	19.8	25.5	40.6	59.7	57.9	135.1	268.2	329.9	231.5
82.5°	12.3	12.5	18.2	26.7	37.8	28.0	39.9	83.4	104.8	67.0
85°	7.1	6.8	13.4	15.5	16.9	11.6	12.1	25.1	32.8	28.3
87.5°	0.9	1.4	5.2	4.1	2.3	2.5	2.5	4.3	6.4	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845717  
 CATALOG NUMBER: GLAN-SB1A-730-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
395.3	0°	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3	395.3
395.8	2.5°	395.8	395.6	394.9	394.2	392.6	391.7	392.1	391.7	391.5	391.7
398.8	5°	398.8	398.1	396.3	394.0	390.8	386.9	384.4	380.8	377.3	375.3
406.7	7.5°	406.7	406.0	403.5	397.2	386.9	370.7	355.9	342.9	333.1	327.4
419.5	10°	419.5	418.4	414.5	400.4	373.5	338.1	308.8	284.4	268.4	260.9
434.5	12.5°	434.5	433.2	426.3	397.4	347.9	292.8	252.2	225.1	210.3	203.7
451.8	15°	452.3	450.5	437.0	383.3	310.8	242.7	205.5	185.3	175.7	169.8
474.0	17.5°	474.4	471.2	445.0	362.1	270.5	204.4	176.8	161.6	153.1	147.4
502.9	20°	503.1	497.9	451.4	336.8	233.3	180.2	157.5	144.7	138.3	133.3
543.9	22.5°	543.2	535.7	459.1	309.4	207.1	163.6	143.1	133.8	128.5	122.8
601.1	25°	592.9	584.0	468.7	284.1	189.1	149.2	132.6	124.9	118.7	112.1
676.1	27.5°	662.4	646.4	480.1	263.4	173.6	136.9	123.0	114.4	107.3	101.9
761.1	30°	739.9	713.7	490.1	250.9	159.5	125.6	110.5	101.9	95.2	91.4
837.4	32.5°	813.2	777.7	496.7	245.4	146.7	112.6	96.8	87.5	82.5	81.3
912.1	35°	882.5	835.6	496.1	240.2	135.3	99.6	83.4	73.8	70.0	70.6
992.6	37.5°	962.3	897.3	491.3	232.0	126.0	87.7	71.8	63.3	59.9	60.2
1090.3	40°	1055.0	968.6	488.3	216.5	115.8	76.8	62.2	55.4	52.9	52.0
1193.3	42.5°	1153.9	1037.7	488.8	198.9	103.0	67.0	55.6	49.9	47.6	46.9
1307.9	45°	1253.2	1103.5	489.4	180.7	89.5	59.5	50.8	46.0	44.7	43.7
1424.1	47.5°	1346.7	1159.6	476.7	161.1	76.3	53.8	46.9	43.7	42.6	41.5
1540.8	50°	1433.7	1197.0	445.9	138.3	65.9	49.2	44.0	41.7	40.6	39.4
1646.5	52.5°	1501.4	1202.9	395.1	114.8	58.6	45.8	42.2	40.1	38.7	37.6
1732.0	55°	1531.5	1165.7	322.9	93.0	52.9	42.8	40.3	38.3	36.7	35.5
1799.2	57.5°	1523.7	1087.6	251.8	74.7	47.4	39.9	38.1	36.7	34.9	33.0
1853.6	60°	1485.7	983.0	189.8	62.2	42.4	36.7	35.5	34.4	31.9	29.2
1874.6	62.5°	1419.8	851.5	135.3	51.5	36.9	33.0	32.6	31.7	28.0	23.0
1843.6	65°	1319.1	691.8	91.1	42.8	31.7	28.9	29.2	27.6	22.8	17.1
1730.1	67.5°	1171.9	505.9	58.3	35.1	26.4	24.2	24.4	23.5	19.4	14.6
1515.0	70°	984.4	335.0	38.1	26.7	21.2	18.7	20.1	20.3	16.4	11.8
1162.8	72.5°	721.6	197.8	26.7	19.8	15.5	13.0	16.4	16.9	13.2	8.9
699.5	75°	411.3	93.9	20.1	14.4	9.6	9.1	12.8	12.8	9.1	5.9
302.8	77.5°	172.7	39.2	14.1	9.3	5.5	5.2	8.7	8.0	4.6	2.7
73.8	80°	49.9	17.5	7.5	4.6	2.3	2.1	3.4	2.5	1.1	0.5
28.0	82.5°	19.6	7.7	3.0	1.8	0.9	0.9	0.5	0.0	0.0	0.0
16.0	85°	11.6	3.2	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0
3.4	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/>
395.3
392.6
375.7
327.7
260.2
203.0
170.0
147.0
132.4
121.9
111.4
100.7
90.7
82.0
70.6
61.1
51.7
46.7
43.7
41.5
39.4
37.4
35.3
32.8
28.7
22.6
16.6
13.9
11.4
8.4
5.5
2.7
0.5
0.0
0.0
0.0
0.0

F REPORT)