

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: P845986

Luminaire Tested: **GLAN-SB1B-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3594 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

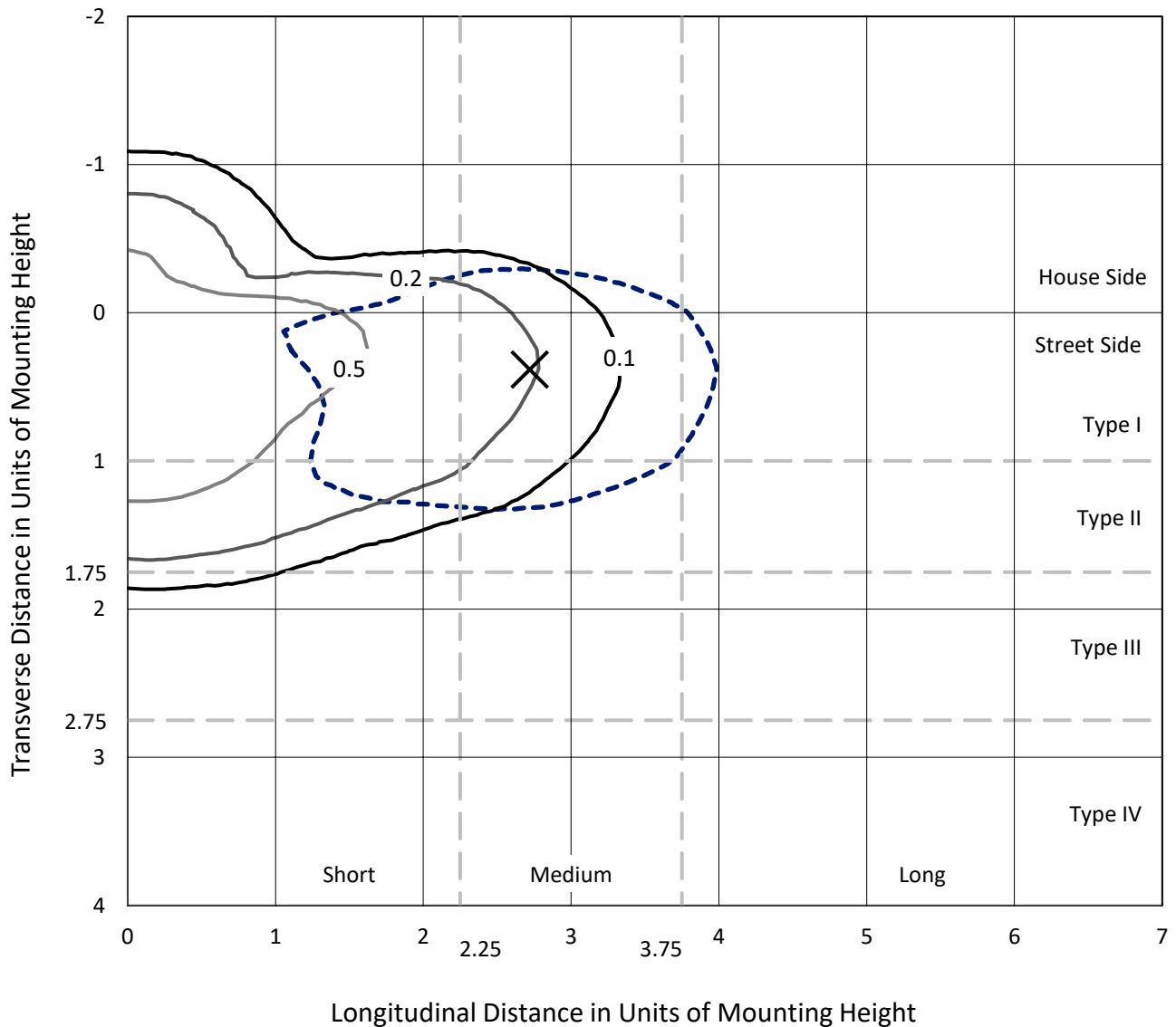
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P845986  
 CATALOG NUMBER: GLAN-SB1B-927-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

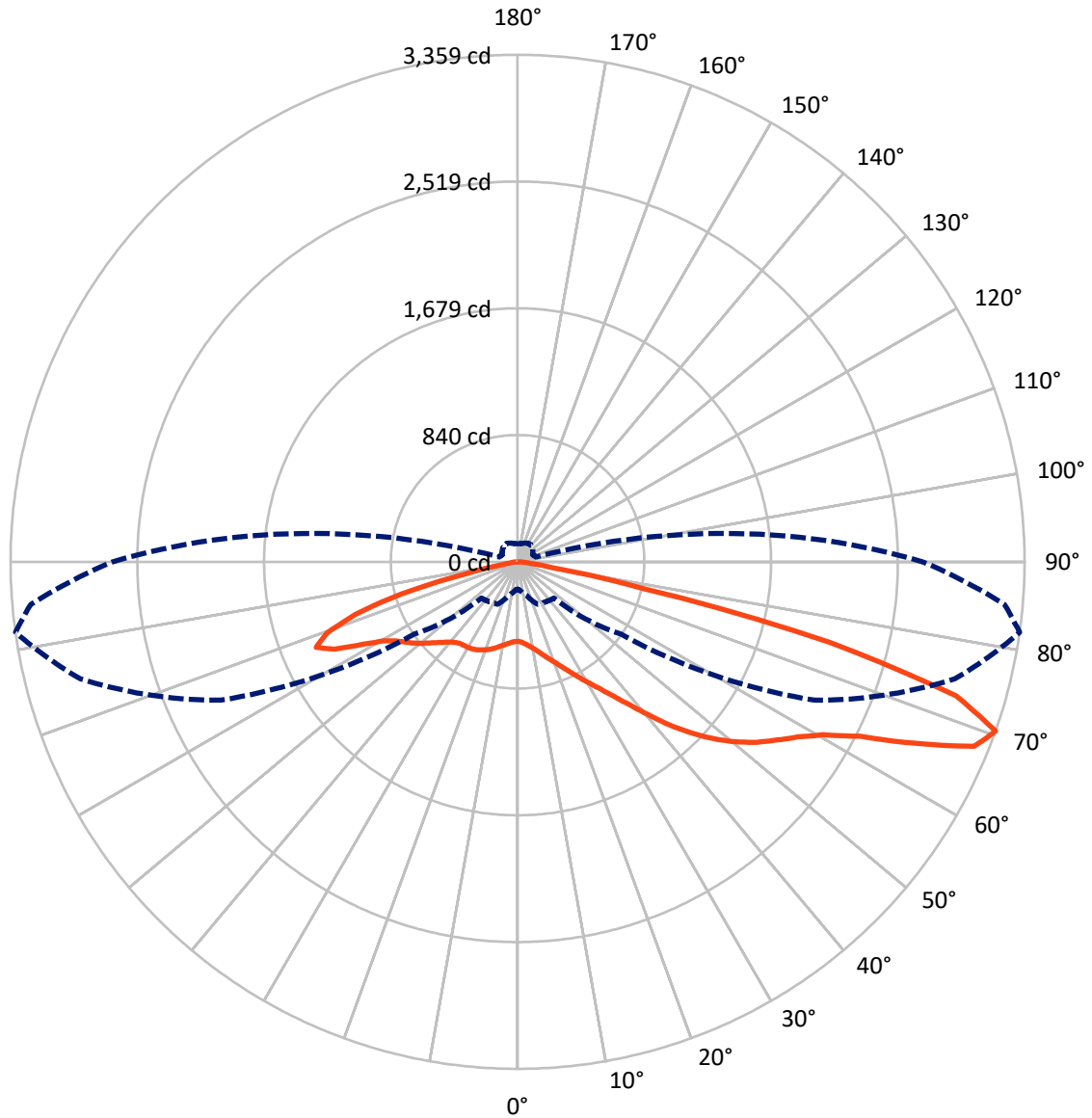
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P845986  
CATALOG NUMBER: GLAN-SB1B-927-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P845986  
 CATALOG NUMBER: GLAN-SB1B-927-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	886.0	0.0	886.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	2708.0	0.0	2708.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	3594.0	0.0	3594.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	1.4
10°-20°	142.9	4.0
20°-30°	239.1	6.7
30°-40°	373.6	10.4
40°-50°	595.0	16.6
50°-60°	827.9	23.0
60°-70°	866.1	24.1
70°-80°	452.7	12.6
80°-90°	47.0	1.3
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°	3594.0	100.0
0°-180°	3594.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P845986

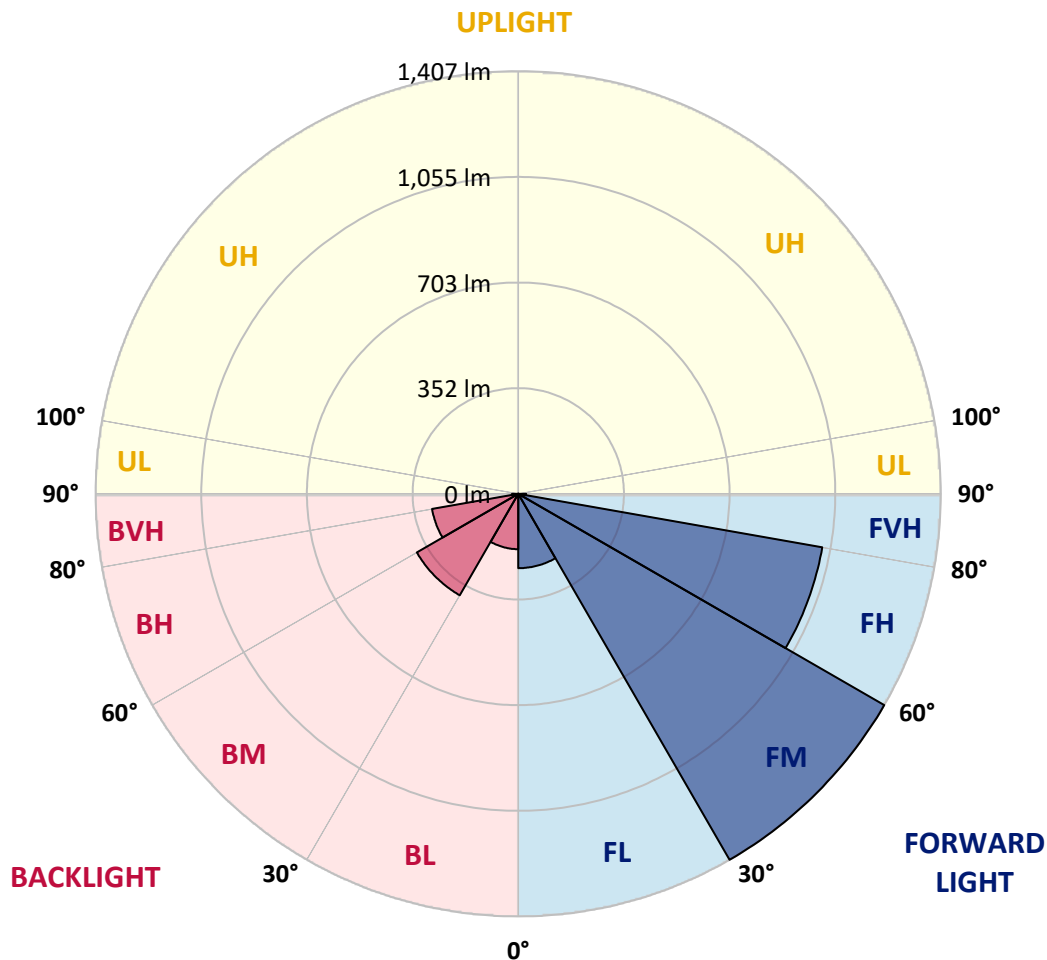
CATALOG NUMBER: GLAN-SB1B-927-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.5	6.9			
FM (30°-60°)	1406.7	39.1			
FH (60°-80°)	1027.5	28.6			G1/1800
FVH (80°-90°)	26.3	0.7			G1/100
BL (0°-30°)	184.3	5.1	B1/500		
BM (30°-60°)	389.8	10.8	B1/1000		
BH (60°-80°)	291.2	8.1	B1/500		G1/500
BVH (80°-90°)	20.7	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 II Medium



REPORT NUMBER: P845986

CATALOG NUMBER: GLAN-SB1B-927-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	539.5	542.6	541.6	540.7	540.7	539.3	539.1	537.2	535.7	533.2
5°	546.4	549.6	549.2	550.0	552.5	553.1	553.6	552.5	549.4	546.4
7.5°	540.3	543.9	545.0	549.6	557.2	564.1	569.3	571.4	568.5	564.1
10°	519.7	523.7	527.7	538.6	552.1	568.3	582.0	590.2	589.7	585.5
12.5°	477.9	482.1	490.7	511.9	536.7	565.3	590.8	608.0	613.9	610.8
15°	444.5	448.2	454.6	476.4	508.6	552.1	594.1	627.4	642.5	640.8
17.5°	443.6	445.1	449.1	459.4	484.2	531.5	590.6	646.5	675.3	675.1
20°	460.4	460.9	463.2	465.3	479.4	515.9	581.8	662.3	712.1	712.1
22.5°	483.6	483.3	485.5	483.6	490.5	514.5	576.3	676.2	753.1	756.2
25°	518.5	516.6	516.1	511.7	513.0	526.9	582.4	692.1	801.7	808.0
27.5°	565.1	562.0	559.9	549.8	546.4	552.5	601.1	711.1	855.9	866.8
30°	625.7	620.2	617.1	599.6	587.2	588.1	629.3	736.5	912.5	930.1
32.5°	708.5	699.9	691.7	662.9	640.2	632.8	665.8	771.6	973.9	1002.0
35°	801.2	794.3	785.5	741.1	706.2	689.0	715.0	820.6	1045.8	1090.3
37.5°	890.4	884.5	888.7	828.8	783.8	758.8	779.4	886.4	1134.5	1200.1
40°	982.7	978.1	978.7	921.5	869.1	841.0	857.6	969.0	1236.2	1330.8
42.5°	1083.0	1079.6	1068.2	1017.4	958.5	932.4	947.6	1064.3	1345.3	1479.5
45°	1195.4	1193.3	1182.6	1124.4	1056.9	1027.5	1048.1	1169.6	1454.9	1619.5
47.5°	1292.4	1294.1	1292.8	1243.8	1173.8	1130.7	1155.3	1279.5	1556.9	1751.1
50°	1339.1	1348.1	1361.3	1346.0	1302.5	1258.7	1263.4	1385.5	1654.2	1874.5
52.5°	1314.7	1331.7	1367.6	1392.0	1408.8	1399.6	1386.8	1490.8	1745.7	1985.8
55°	1223.8	1247.6	1307.1	1366.0	1451.7	1518.2	1535.0	1607.5	1835.0	2083.9
57.5°	1058.0	1096.8	1150.2	1269.4	1413.5	1575.6	1707.8	1769.4	1929.6	2188.6
60°	773.9	825.8	892.1	1069.5	1280.0	1544.9	1854.8	2018.1	2064.0	2324.2
62.5°	495.3	527.3	588.3	755.4	997.4	1387.6	1899.8	2328.9	2291.9	2546.5
65°	339.1	359.7	415.6	509.4	644.8	1032.9	1779.3	2562.0	2653.9	2898.9
67.5°	246.4	262.0	309.7	391.9	420.1	611.2	1380.7	2551.3	3005.7	3262.1
70°	179.6	190.7	230.8	309.7	323.2	340.0	836.4	2168.7	2998.1	3358.6
72.5°	133.1	140.7	167.6	240.3	261.7	229.6	414.0	1576.2	2576.3	3037.8
75°	96.3	102.0	121.9	183.8	209.4	174.9	206.5	921.1	1797.0	2136.9
77.5°	73.6	78.0	91.0	134.6	167.6	131.2	128.2	423.8	852.1	856.3
80°	59.1	62.0	69.0	94.8	128.5	98.2	83.5	171.1	269.3	227.9
82.5°	43.5	48.2	58.4	66.6	91.9	67.7	50.9	86.4	102.4	88.1
85°	24.8	28.0	35.3	47.7	58.7	41.4	29.2	38.3	47.7	39.1
87.5°	8.8	11.4	12.4	18.7	25.6	17.2	11.3	11.1	15.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845986  
 CATALOG NUMBER: GLAN-SB1B-927-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
526.9	0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
532.6	2.5°	530.7	529.8	526.0	520.8	515.5	510.3	508.6	505.0	502.5	501.2
545.0	5°	541.4	538.4	529.4	518.0	505.9	493.0	483.8	475.4	469.3	463.6
562.0	7.5°	556.7	551.3	535.9	515.9	494.5	473.0	456.9	444.7	436.5	431.2
581.8	10°	574.4	566.2	542.6	512.6	479.6	448.7	429.9	419.4	414.2	411.4
604.5	12.5°	594.8	583.2	549.4	505.2	456.9	421.7	408.7	405.6	405.8	406.0
633.1	15°	620.0	603.8	555.0	489.0	427.4	400.9	398.6	403.5	408.7	411.2
665.6	17.5°	648.4	625.5	555.9	462.3	398.4	387.5	394.8	405.4	413.3	416.7
701.8	20°	678.9	647.6	549.0	424.5	374.5	376.6	389.6	403.3	411.9	416.3
743.2	22.5°	713.8	671.3	532.6	384.8	355.1	364.8	380.1	393.4	402.4	406.8
791.8	25°	753.7	697.8	506.9	351.5	338.3	351.5	366.7	377.8	385.0	389.0
846.2	27.5°	797.9	725.5	472.6	325.0	323.6	337.7	350.3	358.9	362.7	365.8
904.0	30°	842.4	750.6	431.0	304.9	310.9	324.2	333.2	337.0	338.1	338.7
968.4	32.5°	890.4	772.4	387.3	288.4	298.6	311.0	316.4	318.1	312.8	309.1
1046.6	35°	948.6	795.6	344.6	275.2	286.6	297.3	299.0	297.5	291.2	283.8
1144.6	37.5°	1020.5	824.6	310.5	265.8	275.4	282.4	280.3	280.0	280.5	271.8
1262.5	40°	1108.6	862.4	285.5	258.6	266.2	267.8	261.8	265.1	267.9	254.6
1391.8	42.5°	1206.4	908.0	269.7	253.6	258.6	255.0	245.8	249.4	249.1	231.5
1521.7	45°	1306.2	957.5	264.1	250.0	251.5	244.3	234.2	235.1	227.1	211.3
1646.2	47.5°	1405.3	1010.8	267.6	247.0	242.8	234.6	226.8	222.6	210.7	198.9
1765.6	50°	1502.6	1066.6	280.1	240.9	230.8	226.0	220.3	212.8	200.2	190.1
1878.5	52.5°	1592.8	1122.9	294.3	230.8	215.7	218.6	214.9	206.3	193.9	183.7
1985.3	55°	1678.2	1179.1	299.8	216.8	201.6	212.1	210.0	194.1	179.3	170.9
2097.0	57.5°	1771.3	1246.8	293.7	199.1	190.1	204.6	196.6	179.1	170.5	164.2
2242.5	60°	1900.2	1353.1	280.5	177.2	179.3	193.6	179.8	172.6	163.2	156.2
2460.7	62.5°	2114.4	1551.2	259.4	155.4	166.5	177.2	171.8	164.6	155.0	148.2
2833.7	65°	2431.0	1826.6	219.5	138.5	152.2	161.1	163.2	156.0	146.1	138.8
3160.6	67.5°	2697.9	1999.4	166.1	124.3	137.5	148.2	154.1	147.0	136.5	129.5
3237.1	70°	2683.3	1873.9	126.8	110.4	124.5	135.4	143.0	137.5	126.2	119.6
2940.3	72.5°	2383.3	1567.6	102.6	96.3	111.4	122.1	131.2	127.0	115.6	109.1
2154.0	75°	1750.9	1112.8	82.0	82.0	95.0	108.1	118.2	115.6	105.1	100.5
904.3	77.5°	738.0	466.9	64.3	68.1	79.0	92.9	105.5	106.4	97.3	103.0
239.1	80°	196.2	128.7	49.0	53.6	62.0	76.7	91.7	91.3	81.4	76.1
88.9	82.5°	74.8	50.7	34.9	37.8	44.8	58.7	72.7	74.9	65.0	56.3
34.9	85°	28.8	21.7	21.5	22.7	26.1	38.9	54.9	56.8	49.0	41.6
9.7	87.5°	7.4	6.5	8.0	7.6	12.0	20.8	31.5	32.6	29.9	17.4
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/>
526.9
502.7
465.9
432.3
412.1
406.4
411.0
417.5
417.5
407.9
390.2
366.9
340.0
310.3
284.2
272.3
255.0
231.3
211.9
198.9
189.4
183.8
170.1
163.6
155.8
148.2
139.2
129.7
120.1
109.1
99.2
93.4
70.8
56.3
42.9
24.8
0.0

F REPORT)