

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: P852616

Luminaire Tested: **GLAN-SB5A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852616
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-SB5A-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11049 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

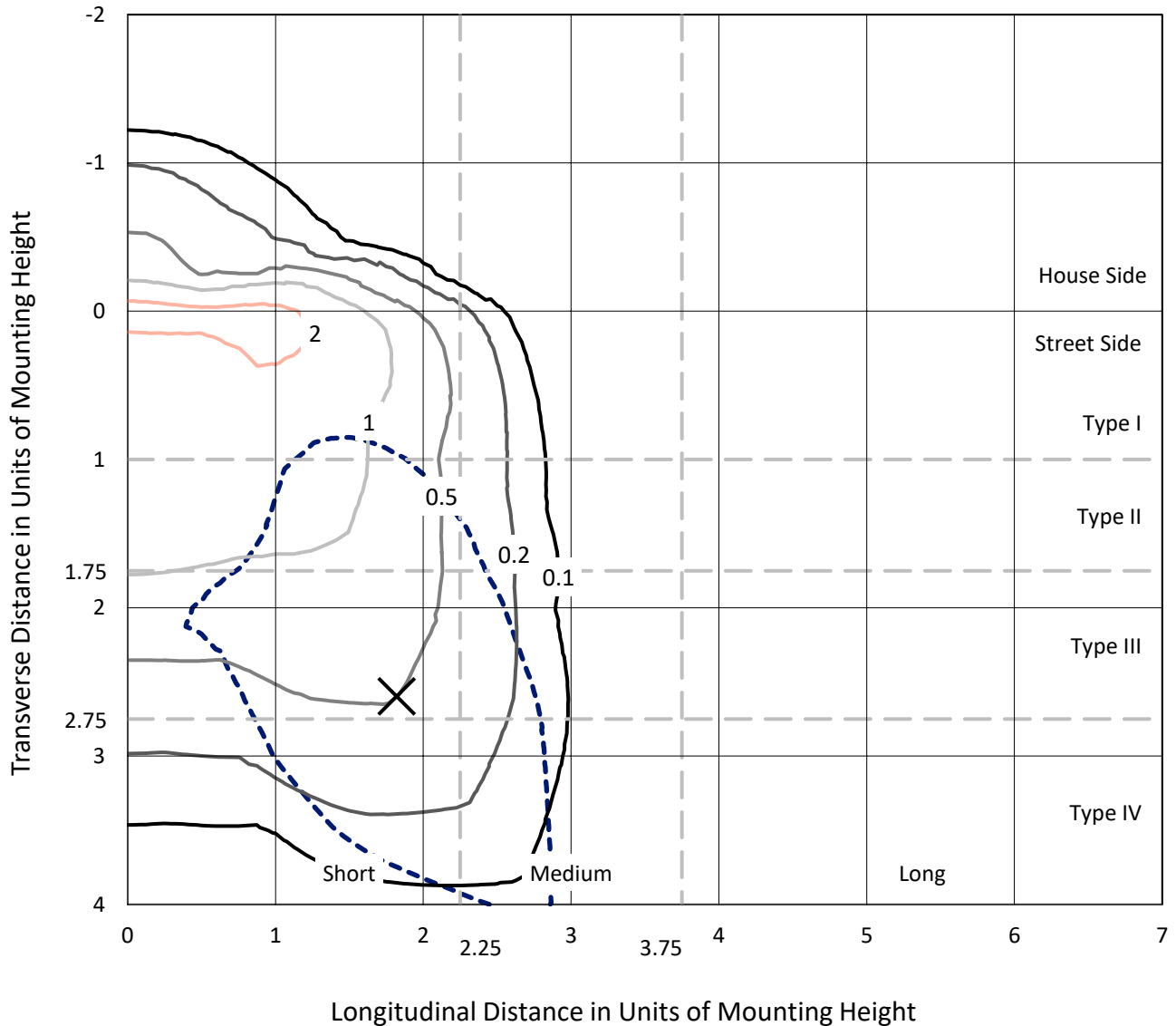
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852616
 CATALOG NUMBER: GLAN-SB5A-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

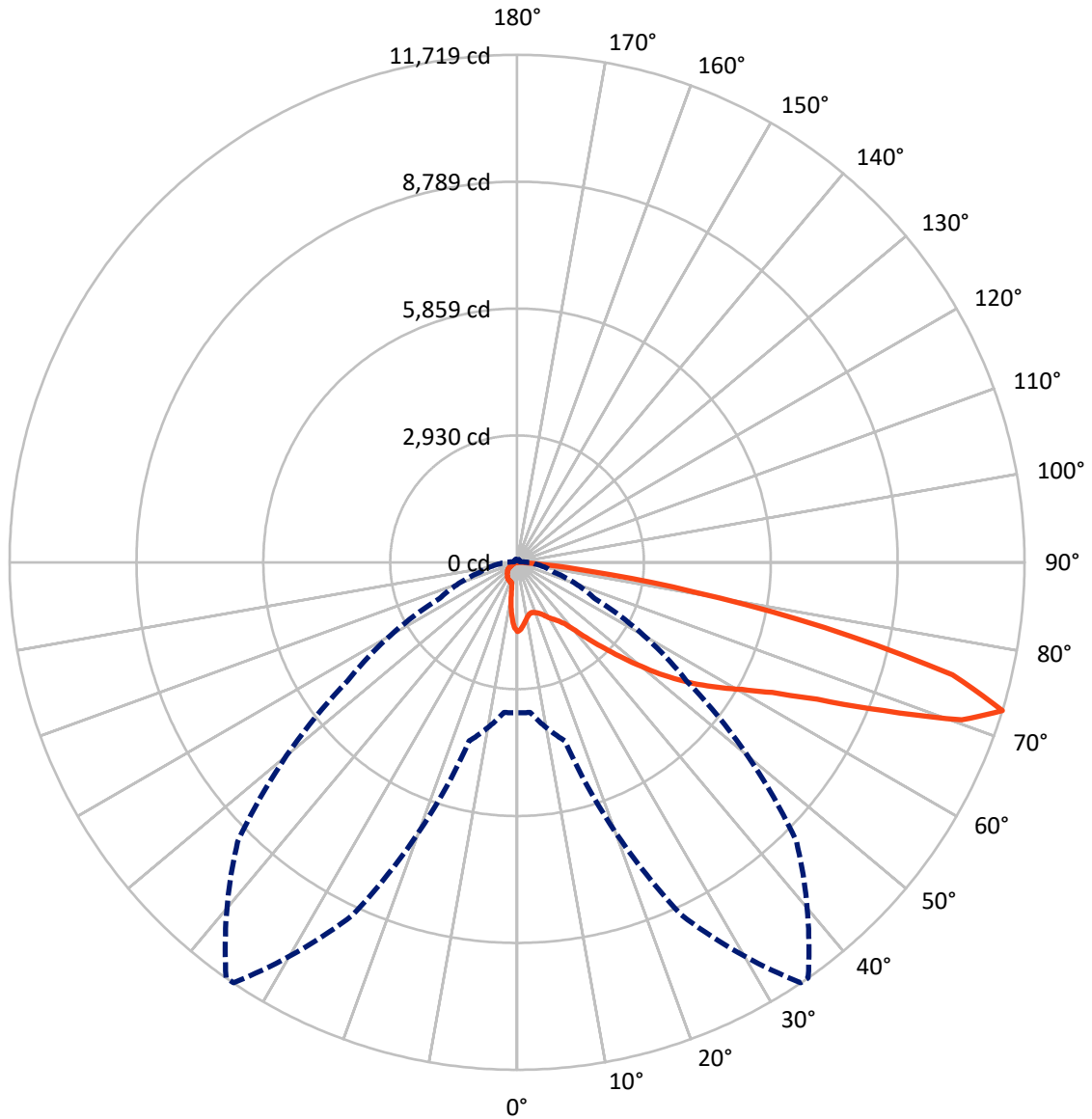
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P852616
CATALOG NUMBER: GLAN-SB5A-927-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852616
 CATALOG NUMBER: GLAN-SB5A-927-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1243.5	0.0	1243.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9805.5	0.0	9805.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	11049.0	0.0	11049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	1.2
10°-20°	307.8	2.8
20°-30°	500.1	4.5
30°-40°	834.4	7.6
40°-50°	1578.7	14.3
50°-60°	2508.5	22.7
60°-70°	3103.2	28.1
70°-80°	1928.9	17.5
80°-90°	155.9	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°	11049.0	100.0
0°-180°	11049.0	100.0

Coefficient of Utilization



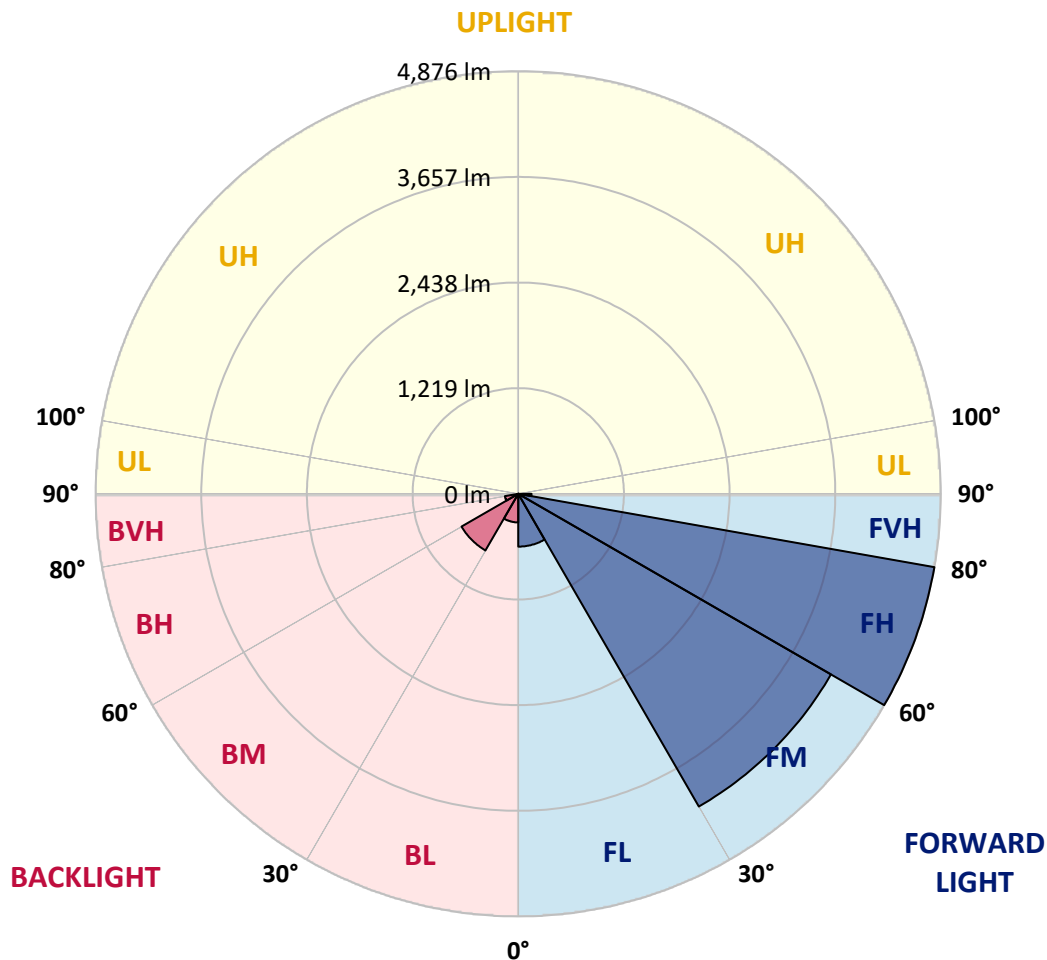
REPORT NUMBER: P852616
 CATALOG NUMBER: GLAN-SB5A-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.1	5.5			
FM (30°-60°)	4166.6	37.7			
FH (60°-80°)	4876.1	44.1			G2/5000
FVH (80°-90°)	153.8	1.4			G2/225
BL (0°-30°)	330.4	3.0	B1/500		
BM (30°-60°)	754.9	6.8	B1/1000		
BH (60°-80°)	156.0	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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-G2

Type IV Short



REPORT NUMBER: P852616
 CATALOG NUMBER: GLAN-SB5A-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4
2.5°	1530.1	1543.1	1545.5	1549.6	1549.6	1554.4	1562.5	1573.8	1592.5	1602.2
5°	1410.3	1420.0	1432.2	1441.9	1460.5	1462.9	1494.5	1525.3	1568.2	1600.6
7.5°	1289.7	1301.0	1317.2	1340.7	1365.0	1372.3	1420.0	1471.8	1539.8	1600.6
10°	1204.7	1205.5	1220.1	1243.5	1282.4	1291.3	1349.6	1423.3	1508.3	1590.8
12.5°	1156.9	1162.6	1169.0	1186.9	1224.1	1229.8	1292.1	1378.7	1476.7	1585.2
15°	1156.9	1161.0	1165.0	1173.9	1203.9	1208.7	1263.8	1350.4	1460.5	1587.6
17.5°	1169.0	1175.5	1172.3	1182.8	1214.4	1217.6	1266.2	1342.3	1459.7	1603.0
20°	1198.2	1203.1	1196.6	1203.1	1234.6	1241.1	1291.3	1357.7	1473.5	1629.7
22.5°	1244.3	1246.8	1231.4	1236.2	1268.6	1276.7	1335.0	1401.4	1506.6	1672.6
25°	1302.6	1307.5	1284.0	1289.7	1320.4	1330.2	1397.4	1467.0	1559.3	1731.7
27.5°	1369.8	1372.3	1352.0	1351.2	1390.9	1404.6	1472.6	1547.9	1629.7	1806.2
30°	1446.7	1454.0	1434.6	1431.4	1481.6	1492.9	1560.1	1647.5	1733.3	1917.9
32.5°	1507.5	1513.1	1501.8	1509.9	1560.9	1569.8	1666.1	1788.4	1896.1	2076.6
35°	1594.9	1598.1	1572.2	1586.8	1645.1	1667.8	1811.1	1985.9	2100.9	2275.8
37.5°	1911.4	1911.4	1801.3	1729.3	1785.1	1805.4	2009.4	2234.5	2353.5	2542.9
40°	2349.4	2342.1	2181.0	2033.7	2026.4	2066.1	2292.0	2547.8	2679.7	2863.5
42.5°	2816.6	2805.2	2585.8	2440.1	2415.8	2429.6	2618.2	2934.0	3068.3	3254.6
45°	3231.1	3227.8	3027.1	2831.1	2787.4	2831.1	3025.4	3385.7	3482.0	3678.0
47.5°	3578.4	3578.4	3431.9	3303.9	3281.3	3307.2	3576.8	3886.8	3877.9	4128.9
50°	3978.3	3975.1	3835.8	3780.8	3804.3	3840.7	4211.5	4414.7	4287.6	4571.8
52.5°	4258.4	4277.9	4230.1	4221.2	4341.0	4404.2	4855.9	4931.2	4654.3	4991.9
55°	4480.3	4502.9	4558.0	4620.3	4851.1	4933.6	5480.1	5421.0	4961.2	5356.3
57.5°	4794.4	4762.0	4847.0	4970.1	5343.3	5442.9	6084.9	5883.3	5208.1	5651.8
60°	5175.7	5180.6	5195.1	5350.6	5834.7	5962.6	6680.7	6320.5	5366.8	5833.1
62.5°	5633.9	5641.2	5671.2	5910.0	6494.5	6615.2	7315.5	6678.3	5439.6	5782.1
65°	5602.4	5633.1	5967.5	6784.4	7497.6	7616.6	8056.2	6929.3	5329.5	5315.8
67.5°	5103.7	5153.9	5713.3	7828.7	9009.9	9142.7	8951.6	6978.7	4854.3	4133.8
70°	4449.5	4467.3	5140.1	8767.9	10761.1	10895.5	9753.1	6435.4	3683.6	2305.7
72.5°	3474.8	3478.8	4268.2	8985.6	11711.5	11718.8	9124.1	4777.4	1981.1	885.7
75°	2482.2	2457.9	2858.7	7287.1	10303.7	10386.2	6840.2	2240.9	757.0	418.6
77.5°	1331.0	1357.7	1617.6	4321.6	7117.9	7258.8	3732.2	646.1	385.4	285.0
80°	411.3	433.9	663.1	1978.6	4031.8	4116.8	1383.6	287.4	268.8	203.2
82.5°	129.5	134.4	309.3	831.4	1673.4	1712.3	400.7	162.7	183.8	134.4
85°	37.2	38.1	137.6	310.1	413.7	421.8	112.5	63.1	105.2	83.4
87.5°	4.0	13.0	51.8	51.8	36.4	35.6	12.1	13.8	30.0	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852616
 CATALOG NUMBER: GLAN-SB5A-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1601.4	0°	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4	1601.4
1608.7	2.5°	1604.6	1605.4	1594.9	1577.1	1557.7	1541.5	1521.2	1505.0	1493.7	1490.5
1623.2	5°	1615.9	1610.3	1580.3	1526.1	1461.3	1405.4	1343.1	1293.7	1261.3	1247.6
1638.6	7.5°	1632.9	1616.8	1551.2	1444.3	1320.4	1210.3	1098.6	1012.0	956.9	929.4
1653.2	10°	1647.5	1615.1	1502.6	1326.1	1136.7	969.9	819.3	714.9	656.6	629.1
1670.2	12.5°	1661.3	1614.3	1439.5	1186.1	929.4	725.4	585.3	533.5	517.3	511.7
1697.7	15°	1687.2	1616.8	1360.1	1025.8	723.0	548.1	497.1	496.3	499.5	497.9
1739.8	17.5°	1722.8	1619.2	1270.2	855.7	557.8	483.3	480.9	488.2	493.0	490.6
1792.4	20°	1769.0	1628.9	1174.7	687.3	479.3	467.1	472.8	479.3	483.3	479.3
1862.9	22.5°	1833.7	1645.9	1070.3	552.1	454.2	457.4	462.3	469.6	473.6	467.9
1952.7	25°	1913.1	1672.6	967.5	480.1	442.0	446.1	453.4	461.5	466.3	460.7
2066.1	27.5°	2015.9	1715.5	872.7	463.9	429.9	432.3	442.8	455.0	461.5	454.2
2227.2	30°	2164.8	1786.0	791.0	471.2	422.6	416.9	431.5	448.5	455.8	449.3
2446.6	32.5°	2362.4	1885.5	740.8	482.5	419.4	399.1	412.9	434.8	446.9	442.8
2733.2	35°	2621.5	2036.9	721.3	495.5	416.9	380.5	390.2	413.7	434.8	438.8
3094.3	37.5°	2935.6	2247.4	727.0	501.1	409.7	365.1	370.0	390.2	417.7	430.7
3500.7	40°	3292.6	2492.7	759.4	495.5	401.6	352.2	353.0	368.4	392.7	412.1
3937.8	42.5°	3661.0	2779.3	819.3	474.4	394.3	340.8	338.4	348.9	365.1	378.9
4374.2	45°	4011.5	3074.0	878.4	445.3	385.4	329.5	323.8	327.9	331.1	336.8
4799.3	47.5°	4317.5	3281.3	861.4	418.6	373.2	316.5	306.8	305.2	295.5	294.7
5179.0	50°	4528.9	3326.6	765.1	391.8	355.4	302.0	286.6	276.9	259.9	251.8
5463.1	52.5°	4596.0	3147.7	625.0	365.1	326.3	282.5	260.7	245.3	224.3	217.0
5626.7	55°	4507.0	2797.1	499.5	332.7	285.8	256.6	232.4	212.1	195.1	186.2
5644.5	57.5°	4289.2	2351.1	395.1	294.7	242.9	227.5	203.2	183.0	168.4	159.5
5446.9	60°	3928.1	1866.9	312.5	249.4	207.3	195.9	170.8	157.9	144.9	134.4
4936.9	62.5°	3380.0	1332.6	245.3	197.5	173.3	160.3	145.7	136.0	120.6	106.1
4019.6	65°	2637.6	815.3	189.4	144.9	139.2	132.8	123.9	115.0	96.3	81.8
2622.3	67.5°	1663.7	386.2	135.2	109.3	110.1	106.9	102.8	95.5	81.8	68.8
1174.7	70°	732.7	187.0	89.1	83.4	81.8	81.8	85.0	82.6	69.6	57.5
408.0	72.5°	249.4	100.4	66.4	63.1	59.1	58.3	71.2	68.8	55.9	44.5
203.2	75°	130.3	67.2	48.6	45.3	35.6	42.9	56.7	53.4	39.7	29.1
134.4	77.5°	85.0	47.8	33.2	29.1	20.2	28.3	42.1	37.2	23.5	14.6
88.2	80°	53.4	31.6	19.4	13.8	9.7	15.4	22.7	16.2	8.9	3.2
51.8	82.5°	28.3	16.2	7.3	4.9	4.0	4.9	5.7	4.0	1.6	0.0
26.7	85°	11.3	5.7	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.9	87.5°	4.0	0.8	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°
1601.4
1496.1
1252.4
933.5
629.9
510.0
497.1
489.8
478.5
467.1
459.8
454.2
448.5
442.8
438.8
433.9
418.6
384.6
340.0
293.9
252.6
216.2
186.2
157.9
132.0
103.6
79.3
67.2
55.1
42.1
26.7
13.0
2.4
0.0
0.0
0.0
0.0

F REPORT)