

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: P847155

Luminaire Tested: **GLAN-SB3A-840-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8740 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

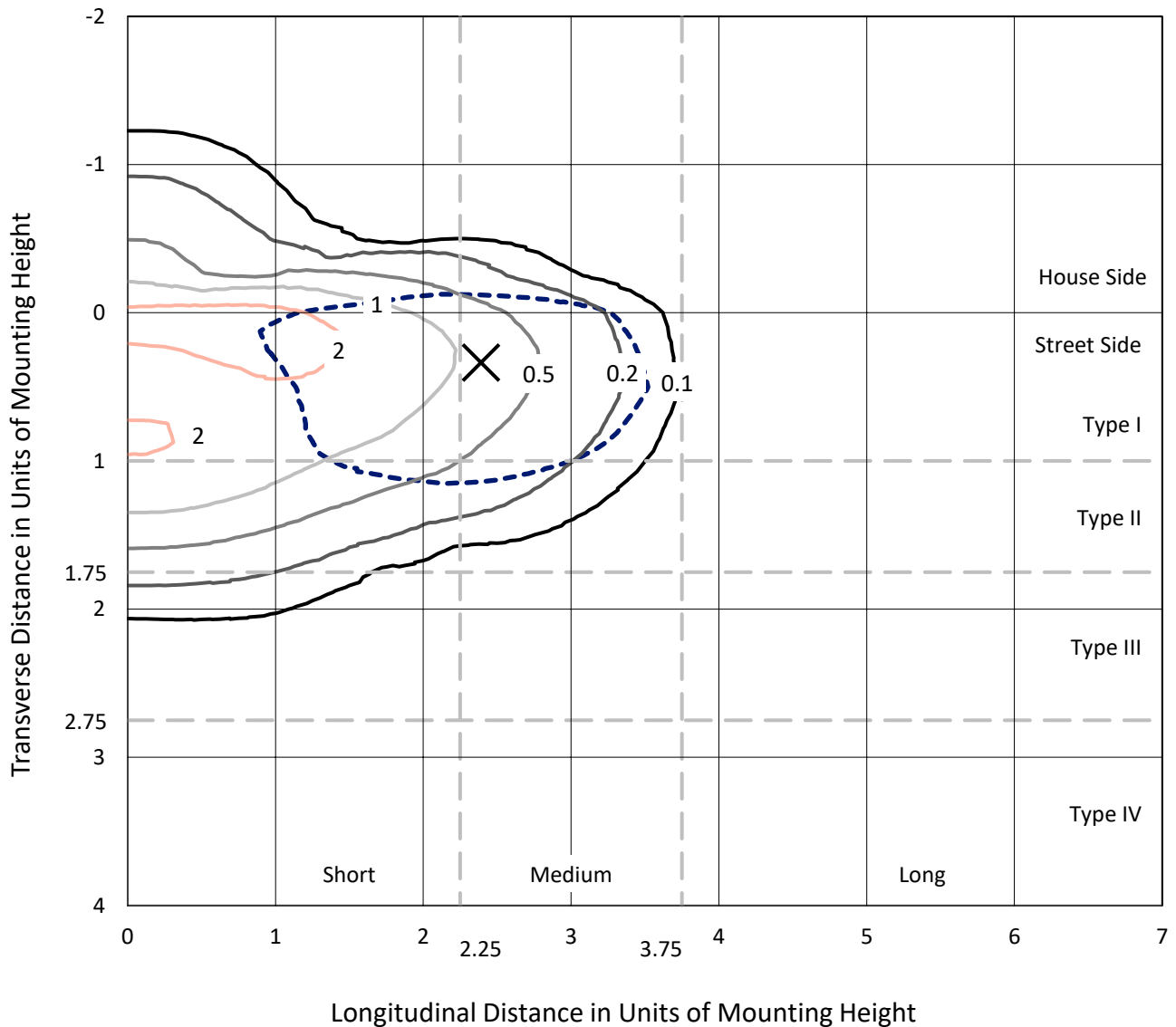
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847155  
 CATALOG NUMBER: GLAN-SB3A-840-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

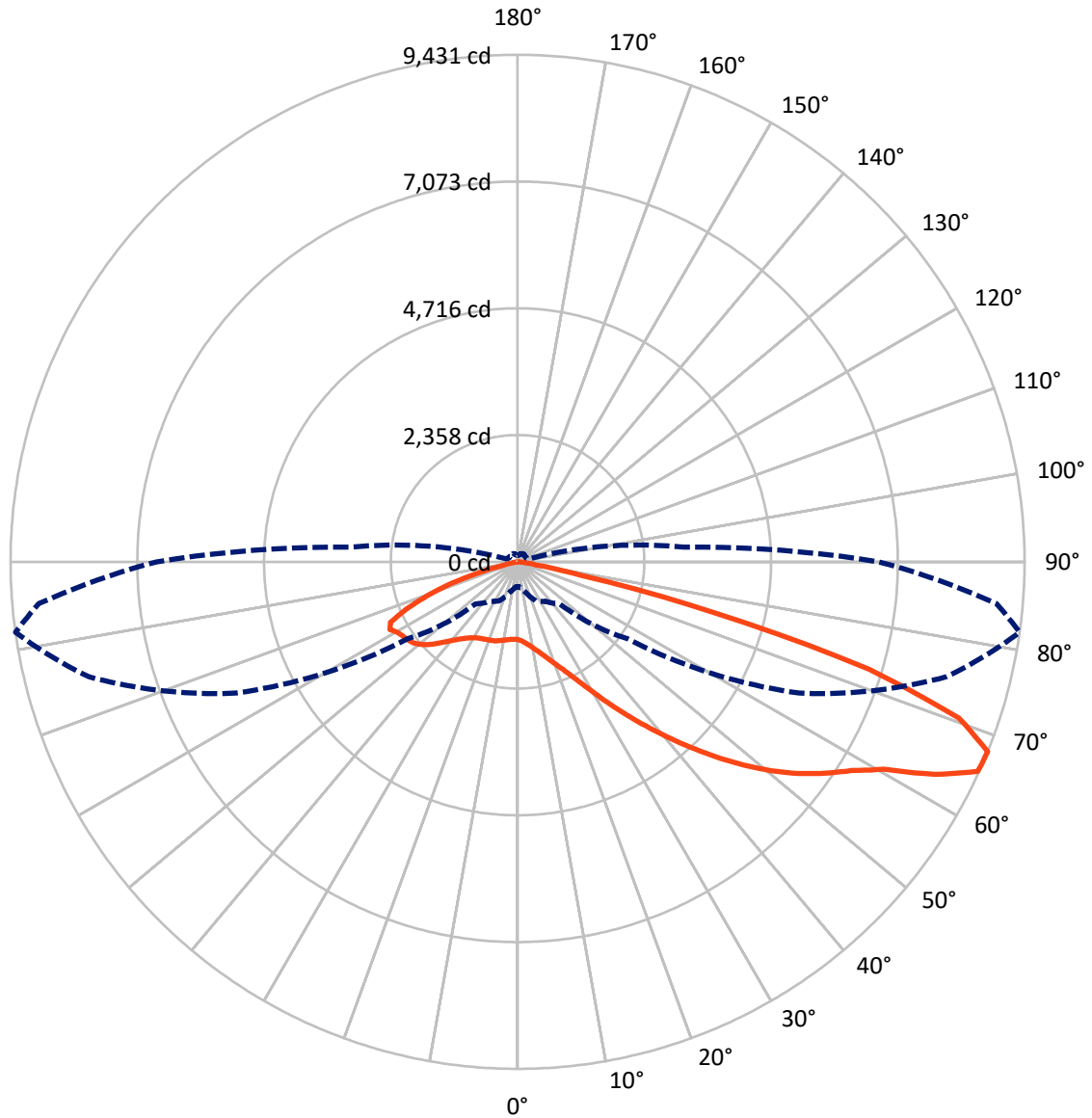
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type II - Medium - N/A

REPORT NUMBER: P847155  
CATALOG NUMBER: GLAN-SB3A-840-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P847155  
 CATALOG NUMBER: GLAN-SB3A-840-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1583.2	0.0	1583.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	7156.8	0.0	7156.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	8740.0	0.0	8740.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.0	1.5
10°-20°	335.2	3.8
20°-30°	536.9	6.1
30°-40°	949.4	10.9
40°-50°	1663.5	19.0
50°-60°	2218.6	25.4
60°-70°	2065.4	23.6
70°-80°	792.7	9.1
80°-90°	49.2	0.6
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°	8740.0	100.0
0°-180°	8740.0	100.0

**Coefficient of Utilization**

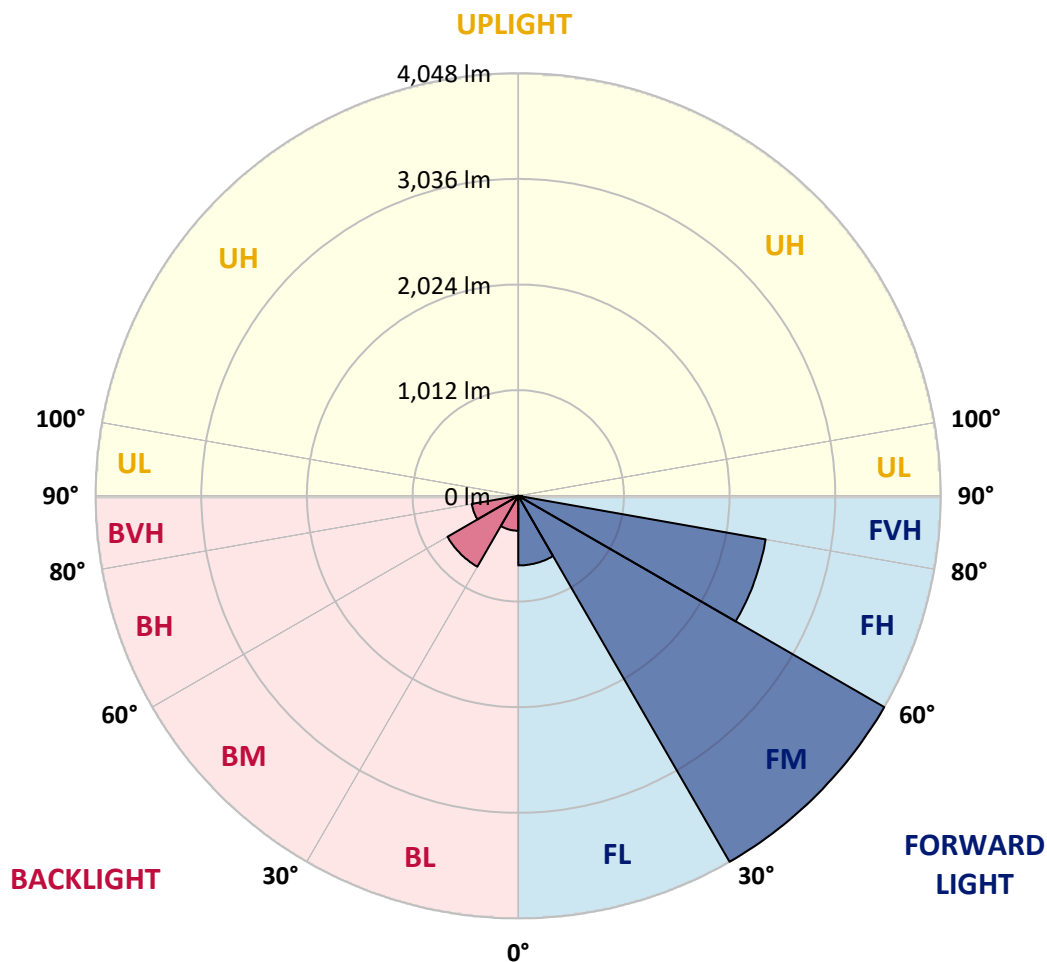


REPORT NUMBER: P847155  
 CATALOG NUMBER: GLAN-SB3A-840-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.8	7.6			
FM (30°-60°)	4048.0	46.3			
FH (60°-80°)	2406.3	27.5			G2/5000
FVH (80°-90°)	35.8	0.4			G1/100
BL (0°-30°)	334.4	3.8	B1/500		
BM (30°-60°)	783.5	9.0	B1/1000		
BH (60°-80°)	451.9	5.2	B1/500		G1/500
BVH (80°-90°)	13.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



REPORT NUMBER: P847155  
 CATALOG NUMBER: GLAN-SB3A-840-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9
2.5°	1530.4	1539.2	1534.1	1531.6	1527.2	1520.9	1515.9	1500.2	1483.8	1473.1
5°	1561.2	1570.0	1569.4	1571.9	1575.0	1576.9	1575.7	1558.0	1534.8	1516.5
7.5°	1534.8	1544.8	1553.0	1565.6	1587.6	1610.9	1622.2	1618.5	1594.5	1569.4
10°	1459.9	1470.6	1490.1	1519.7	1566.2	1616.6	1658.7	1678.2	1663.1	1635.4
12.5°	1322.7	1333.4	1371.8	1436.0	1514.0	1601.5	1682.0	1734.2	1738.0	1710.3
15°	1168.5	1179.2	1220.1	1300.7	1419.6	1559.9	1694.6	1793.4	1826.7	1802.8
17.5°	1072.9	1082.3	1113.2	1178.0	1301.9	1476.9	1690.2	1856.3	1932.5	1913.6
20°	1043.9	1052.1	1066.6	1111.9	1215.1	1390.7	1661.2	1915.5	2046.3	2035.6
22.5°	1074.8	1082.3	1086.7	1106.9	1171.7	1334.0	1624.7	1975.9	2178.5	2179.7
25°	1145.9	1153.4	1148.4	1161.0	1189.3	1316.4	1610.9	2047.0	2344.6	2358.5
27.5°	1262.9	1263.5	1251.6	1251.0	1255.4	1342.8	1625.4	2123.1	2554.2	2580.0
30°	1497.6	1488.2	1442.3	1392.5	1369.9	1422.1	1665.6	2213.1	2801.5	2847.4
32.5°	1859.5	1845.6	1761.3	1642.4	1522.8	1549.9	1738.0	2315.7	3070.8	3153.8
35°	2252.1	2248.3	2160.2	1983.4	1774.5	1731.7	1855.7	2450.3	3364.6	3496.8
37.5°	2617.1	2615.2	2564.9	2356.6	2102.4	1985.3	2044.5	2626.5	3679.3	3870.6
40°	2950.6	2956.3	2905.9	2719.7	2463.5	2310.6	2301.2	2844.2	4029.1	4277.7
42.5°	3238.8	3245.1	3194.1	3056.3	2820.3	2670.6	2616.5	3111.1	4370.8	4715.0
45°	3434.5	3473.5	3466.0	3355.8	3186.6	3031.1	2995.3	3445.8	4760.3	5178.8
47.5°	3489.9	3525.7	3582.4	3597.5	3494.3	3341.4	3384.1	3849.2	5154.3	5643.2
50°	3353.3	3386.7	3504.3	3661.0	3732.8	3685.6	3762.3	4281.5	5557.6	6106.3
52.5°	3084.0	3118.0	3266.5	3514.4	3807.0	3955.5	4141.8	4707.5	5948.4	6544.9
55°	2694.5	2730.3	2921.0	3201.7	3665.4	4066.9	4458.3	5132.9	6306.4	6939.5
57.5°	2164.6	2191.1	2389.3	2781.9	3309.3	3956.1	4691.7	5597.2	6643.7	7327.1
60°	1410.8	1434.1	1664.4	2102.4	2719.0	3586.1	4738.3	6115.1	7091.7	7831.1
62.5°	938.2	954.0	1090.5	1412.1	1914.8	2875.7	4465.8	6528.5	7748.7	8708.3
65°	643.7	659.5	796.0	1020.0	1237.1	1902.2	3682.4	6473.8	8344.0	9404.9
67.5°	459.4	472.6	588.4	799.8	895.4	1105.0	2496.3	5774.1	8258.4	9431.3
70°	329.1	336.7	432.3	623.0	711.7	663.9	1388.1	4416.1	7230.8	8708.9
72.5°	230.3	232.8	300.2	474.5	573.3	484.5	660.7	2944.3	5468.9	6835.6
75°	156.1	159.2	202.0	348.0	460.0	370.0	349.9	1578.8	3210.5	3783.7
77.5°	95.6	96.9	130.3	237.9	344.2	281.9	225.3	668.9	1242.2	1219.5
80°	54.1	54.1	83.1	147.9	234.7	181.9	157.9	284.4	393.3	345.5
82.5°	30.2	30.8	60.4	91.9	155.4	107.6	86.8	131.5	169.9	150.4
85°	12.6	13.8	37.1	43.4	74.3	53.5	35.2	55.4	62.9	56.0
87.5°	1.3	1.9	11.3	8.2	8.8	10.7	5.0	10.7	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847155  
 CATALOG NUMBER: GLAN-SB3A-840-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1447.9	0°	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9
1469.3	2.5°	1457.4	1447.9	1424.0	1396.3	1359.8	1342.2	1318.3	1301.9	1288.1	1289.3
1505.8	5°	1485.7	1461.8	1408.3	1341.6	1258.5	1199.4	1136.4	1093.0	1057.8	1050.2
1556.2	7.5°	1524.7	1486.9	1393.2	1273.0	1132.7	1026.3	931.3	870.3	826.8	813.0
1617.2	10°	1575.0	1520.3	1373.7	1186.8	984.8	849.5	747.6	699.7	670.2	660.1
1688.9	12.5°	1633.6	1558.7	1347.9	1081.7	832.5	702.3	637.4	613.5	604.1	600.9
1777.0	15°	1707.2	1606.5	1308.9	957.1	703.5	612.3	584.6	581.4	582.7	581.4
1882.7	17.5°	1794.6	1658.7	1245.3	828.7	616.7	566.3	556.3	558.8	561.9	561.3
2001.0	20°	1890.3	1710.3	1164.1	714.8	557.5	533.6	527.9	530.5	533.0	531.7
2137.6	22.5°	1999.2	1765.7	1074.1	626.1	517.9	503.4	497.1	497.7	497.7	495.2
2310.6	25°	2129.4	1826.7	979.8	563.2	487.7	476.3	468.8	466.3	462.5	455.0
2520.8	27.5°	2284.8	1891.5	889.1	519.1	463.8	453.1	444.3	438.0	428.5	415.9
2773.1	30°	2459.8	1970.2	812.4	491.5	444.9	434.2	424.1	414.7	400.8	385.1
3063.2	32.5°	2665.5	2054.5	756.4	473.2	427.9	416.6	404.6	393.3	378.2	362.5
3389.2	35°	2910.9	2156.5	723.6	460.6	414.7	399.6	386.4	373.8	362.5	348.6
3743.5	37.5°	3177.1	2264.7	713.6	454.3	405.9	382.6	367.5	358.7	357.4	349.2
4126.7	40°	3468.5	2393.1	721.1	450.5	396.4	366.2	349.9	348.0	351.1	336.7
4536.3	42.5°	3776.8	2545.3	733.7	446.1	383.2	349.9	334.1	334.1	331.6	311.5
4969.2	45°	4110.3	2720.9	746.3	435.4	367.5	333.5	321.6	317.1	306.4	286.9
5404.7	47.5°	4446.3	2899.6	755.7	415.9	348.6	319.7	309.0	298.9	283.2	265.5
5832.0	50°	4765.4	3060.1	745.7	387.0	327.2	306.4	295.1	281.3	264.3	252.3
6236.6	52.5°	5050.4	3199.1	702.9	353.0	304.6	292.6	282.5	268.1	254.2	241.6
6601.5	55°	5298.4	3311.8	627.4	320.9	284.4	280.6	270.6	252.3	233.5	222.8
6963.4	57.5°	5536.2	3397.4	533.0	294.5	266.2	267.4	252.3	236.0	218.4	207.0
7451.0	60°	5852.7	3511.9	437.3	270.0	246.7	250.4	234.1	222.1	200.1	185.6
8287.3	62.5°	6358.7	3690.0	347.4	239.7	224.0	225.3	218.4	203.9	177.5	160.5
8907.1	65°	6760.1	3624.5	273.7	207.0	198.2	200.1	200.1	184.4	156.1	136.5
8940.5	67.5°	6714.8	3103.5	218.4	174.9	173.7	174.9	179.3	166.1	138.4	122.7
8259.6	70°	6185.6	2468.6	174.9	145.4	151.0	147.9	160.5	151.7	124.6	108.9
6403.3	72.5°	5047.3	1778.3	133.4	120.2	115.8	120.8	144.7	136.5	103.8	86.2
3391.7	75°	2949.3	948.9	99.4	95.0	83.7	100.7	128.4	116.4	79.3	63.6
1039.5	77.5°	960.2	331.0	73.0	69.8	62.3	81.2	109.5	98.2	64.8	50.3
304.6	80°	257.4	100.1	49.7	45.9	40.3	60.4	86.8	78.0	46.6	32.7
130.9	82.5°	103.2	42.2	28.9	25.8	22.0	41.5	68.6	62.9	34.6	20.8
40.9	85°	33.4	13.8	10.7	8.2	10.1	25.8	40.9	42.8	24.5	10.7
6.3	87.5°	4.4	1.9	1.9	2.5	1.9	4.4	12.6	12.0	6.9	1.3
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°
1447.9
1276.8
1033.2
799.2
652.5
599.1
580.8
560.0
531.1
494.0
453.7
414.7
383.8
363.1
347.4
348.6
337.3
311.5
286.3
264.9
250.4
240.4
221.5
205.8
183.7
159.2
134.7
120.2
107.0
84.3
61.7
48.5
32.1
20.8
8.2
0.0
0.0

F REPORT)