

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: P846275

Luminaire Tested: **GLAN-SB1D-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846275  
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-SB1D-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5927 lumens  
Efficiency: N/A  
Efficacy: 74.5 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

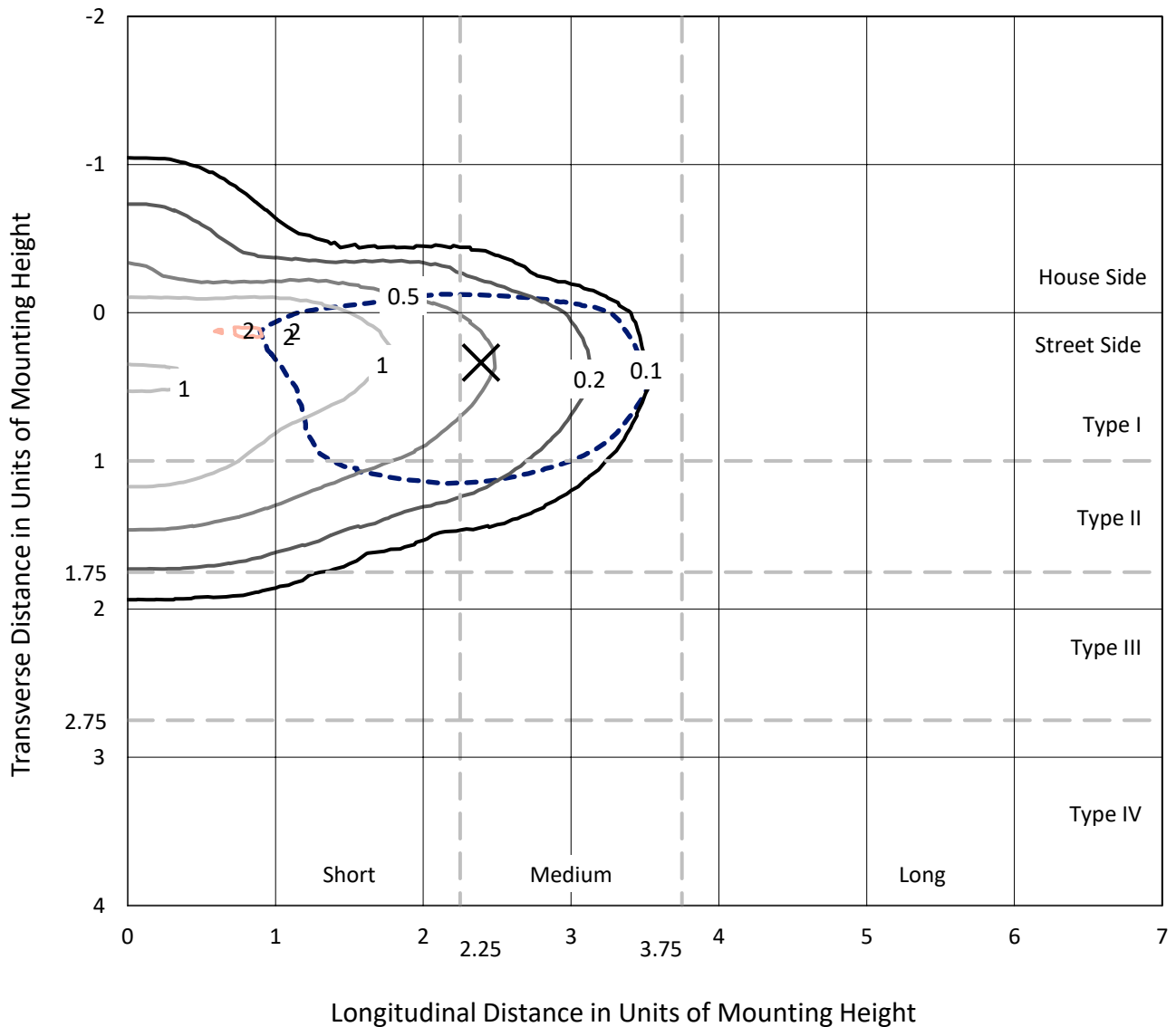
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846275  
 CATALOG NUMBER: GLAN-SB1D-827-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

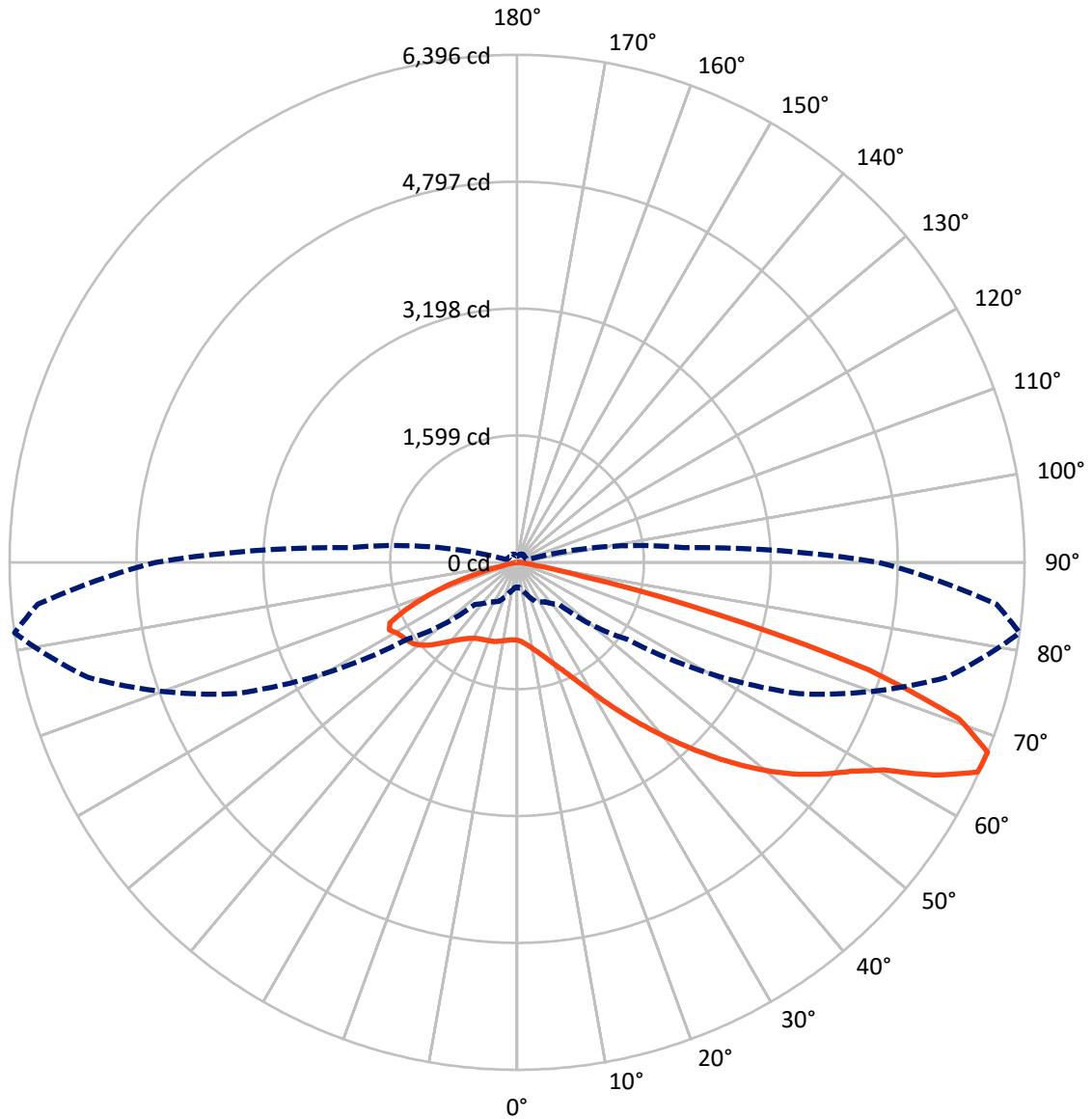
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Medium - N/A

REPORT NUMBER: P846275  
CATALOG NUMBER: GLAN-SB1D-827-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846275  
 CATALOG NUMBER: GLAN-SB1D-827-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1073.6	0.0	1073.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	4853.4	0.0	4853.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	5927.0	0.0	5927.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.5	1.5
10°-20°	227.3	3.8
20°-30°	364.1	6.1
30°-40°	643.8	10.9
40°-50°	1128.1	19.0
50°-60°	1504.5	25.4
60°-70°	1400.7	23.6
70°-80°	537.6	9.1
80°-90°	33.4	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°	5927.0	100.0
0°-180°	5927.0	100.0

**Coefficient of Utilization**



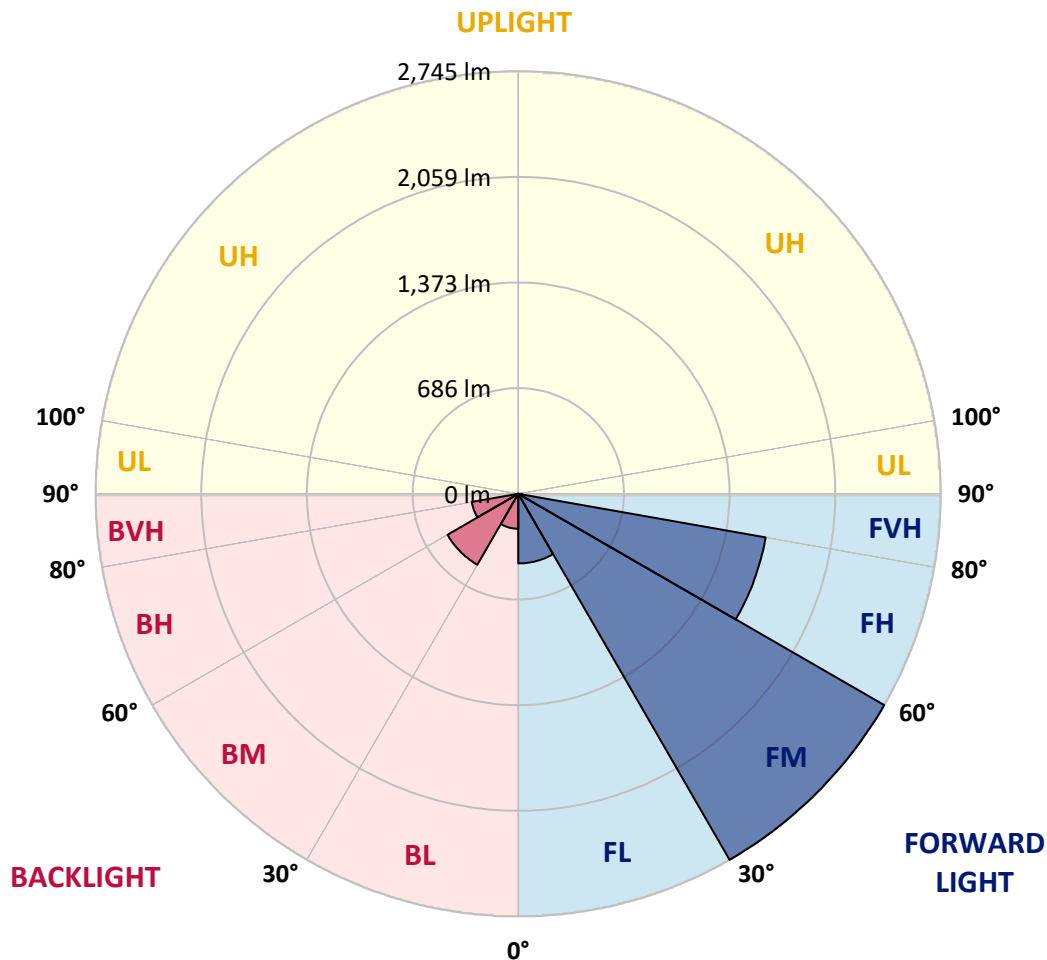
REPORT NUMBER: P846275  
 CATALOG NUMBER: GLAN-SB1D-827-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.2	7.6			
FM (30°-60°)	2745.1	46.3			
FH (60°-80°)	1631.8	27.5			G1/1800
FVH (80°-90°)	24.3	0.4			G1/100
BL (0°-30°)	226.7	3.8	B1/500		
BM (30°-60°)	531.3	9.0	B1/1000		
BH (60°-80°)	306.4	5.2	B1/500		G1/500
BVH (80°-90°)	9.1	0.2			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 II Medium



REPORT NUMBER: P846275  
 CATALOG NUMBER: GLAN-SB1D-827-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	981.9	981.9	981.9	981.9	981.9	981.9	981.9	981.9	981.9	981.9
2.5°	1037.8	1043.8	1040.4	1038.7	1035.7	1031.4	1028.0	1017.3	1006.2	999.0
5°	1058.7	1064.7	1064.3	1066.0	1068.1	1069.4	1068.5	1056.6	1040.8	1028.4
7.5°	1040.8	1047.6	1053.2	1061.7	1076.6	1092.4	1100.1	1097.5	1081.3	1064.3
10°	990.0	997.3	1010.5	1030.6	1062.1	1096.3	1124.9	1138.1	1127.8	1109.1
12.5°	897.0	904.2	930.3	973.8	1026.7	1086.0	1140.6	1176.1	1178.6	1159.8
15°	792.4	799.7	827.4	882.0	962.7	1057.9	1149.2	1216.2	1238.8	1222.6
17.5°	727.6	734.0	754.9	798.8	882.9	1001.5	1146.2	1258.9	1310.5	1297.7
20°	707.9	713.5	723.3	754.0	824.0	943.1	1126.6	1299.0	1387.7	1380.5
22.5°	728.9	734.0	737.0	750.6	794.6	904.7	1101.8	1339.9	1477.3	1478.2
25°	777.1	782.2	778.8	787.3	806.5	892.7	1092.4	1388.1	1590.0	1599.4
27.5°	856.4	856.9	848.8	848.3	851.3	910.6	1102.2	1439.8	1732.1	1749.6
30°	1015.6	1009.2	978.1	944.4	929.0	964.4	1129.6	1500.8	1899.8	1930.9
32.5°	1261.0	1251.6	1194.4	1113.8	1032.7	1051.0	1178.6	1570.4	2082.4	2138.8
35°	1527.3	1524.7	1465.0	1345.0	1203.4	1174.4	1258.4	1661.7	2281.7	2371.3
37.5°	1774.8	1773.5	1739.3	1598.1	1425.7	1346.3	1386.4	1781.2	2495.1	2624.8
40°	2000.9	2004.8	1970.6	1844.3	1670.6	1566.9	1560.5	1928.8	2732.3	2900.9
42.5°	2196.4	2200.6	2166.1	2072.6	1912.6	1811.0	1774.3	2109.7	2964.1	3197.5
45°	2329.1	2355.5	2350.4	2275.7	2161.0	2055.6	2031.2	2336.8	3228.2	3512.0
47.5°	2366.6	2391.0	2429.4	2439.6	2369.6	2265.9	2294.9	2610.3	3495.3	3826.9
50°	2274.0	2296.7	2376.5	2482.7	2531.4	2499.4	2551.4	2903.5	3768.9	4141.0
52.5°	2091.4	2114.4	2215.1	2383.3	2581.7	2682.4	2808.7	3192.4	4033.9	4438.4
55°	1827.3	1851.6	1980.9	2171.2	2485.7	2757.9	3023.4	3480.8	4276.7	4706.0
57.5°	1467.9	1485.9	1620.3	1886.6	2244.2	2682.8	3181.7	3795.8	4505.4	4968.8
60°	956.7	972.5	1128.7	1425.7	1843.9	2431.9	3213.3	4147.0	4809.2	5310.6
62.5°	636.3	646.9	739.5	957.6	1298.5	1950.2	3028.5	4427.3	5254.7	5905.5
65°	436.5	447.2	539.8	691.7	838.9	1290.0	2497.2	4390.2	5658.4	6377.9
67.5°	311.5	320.5	399.0	542.4	607.2	749.3	1692.8	3915.7	5600.4	6395.8
70°	223.2	228.3	293.2	422.5	482.6	450.2	941.4	2994.8	4903.5	5905.9
72.5°	156.2	157.9	203.5	321.8	388.8	328.6	448.1	1996.7	3708.7	4635.6
75°	105.8	108.0	137.0	236.0	311.9	250.9	237.3	1070.7	2177.2	2565.9
77.5°	64.9	65.7	88.3	161.3	233.4	191.2	152.8	453.6	842.4	827.0
80°	36.7	36.7	56.3	100.3	159.2	123.3	107.1	192.9	266.7	234.3
82.5°	20.5	20.9	41.0	62.3	105.4	73.0	58.9	89.2	115.2	102.0
85°	8.5	9.4	25.2	29.4	50.4	36.3	23.9	37.6	42.7	38.0
87.5°	0.9	1.3	7.7	5.5	6.0	7.3	3.4	7.3	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846275  
 CATALOG NUMBER: GLAN-SB1D-827-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
981.9	0°	981.9	981.9	981.9	981.9	981.9	981.9	981.9	981.9	981.9	981.9
996.4	2.5°	988.3	981.9	965.7	946.9	922.2	910.2	894.0	882.9	873.5	874.4
1021.2	5°	1007.5	991.3	955.0	909.8	853.5	813.3	770.7	741.2	717.3	712.2
1055.3	7.5°	1034.0	1008.4	944.8	863.3	768.1	696.0	631.6	590.2	560.7	551.3
1096.7	10°	1068.1	1031.0	931.5	804.8	667.8	576.1	507.0	474.5	454.5	447.6
1145.3	12.5°	1107.8	1057.0	914.1	733.5	564.6	476.2	432.3	416.1	409.7	407.5
1205.1	15°	1157.7	1089.4	887.6	649.1	477.1	415.2	396.4	394.3	395.2	394.3
1276.8	17.5°	1217.0	1124.9	844.5	562.0	418.2	384.1	377.2	378.9	381.1	380.6
1357.0	20°	1281.9	1159.8	789.4	484.8	378.1	361.9	358.0	359.7	361.4	360.6
1449.6	22.5°	1355.7	1197.4	728.4	424.6	351.2	341.4	337.1	337.5	337.5	335.8
1566.9	25°	1444.1	1238.8	664.4	381.9	330.7	323.0	317.9	316.2	313.6	308.5
1709.5	27.5°	1549.5	1282.7	603.0	352.1	314.5	307.2	301.3	297.0	290.6	282.1
1880.6	30°	1668.1	1336.1	550.9	333.3	301.7	294.4	287.6	281.2	271.8	261.2
2077.3	32.5°	1807.6	1393.3	512.9	320.9	290.2	282.5	274.4	266.7	256.5	245.8
2298.4	35°	1974.0	1462.4	490.7	312.4	281.2	271.0	262.0	253.5	245.8	236.4
2538.6	37.5°	2154.6	1535.8	483.9	308.1	275.2	259.5	249.2	243.2	242.4	236.8
2798.5	40°	2352.1	1622.9	489.0	305.5	268.8	248.4	237.3	236.0	238.1	228.3
3076.3	42.5°	2561.2	1726.1	497.6	302.6	259.9	237.3	226.6	226.6	224.9	211.2
3369.9	45°	2787.4	1845.2	506.1	295.3	249.2	226.2	218.1	215.1	207.8	194.6
3665.2	47.5°	3015.3	1966.4	512.5	282.1	236.4	216.8	209.5	202.7	192.0	180.1
3954.9	50°	3231.6	2075.2	505.7	262.4	221.9	207.8	200.1	190.7	179.2	171.1
4229.3	52.5°	3424.9	2169.5	476.7	239.4	206.5	198.4	191.6	181.8	172.4	163.9
4476.8	55°	3593.1	2245.9	425.4	217.6	192.9	190.3	183.5	171.1	158.3	151.1
4722.2	57.5°	3754.4	2303.9	361.4	199.7	180.5	181.4	171.1	160.0	148.1	140.4
5052.9	60°	3969.0	2381.6	296.6	183.1	167.3	169.8	158.7	150.6	135.7	125.9
5620.0	62.5°	4312.1	2502.3	235.6	162.6	151.9	152.8	148.1	138.3	120.3	108.8
6040.3	65°	4584.3	2458.0	185.6	140.4	134.4	135.7	135.7	125.0	105.8	92.6
6063.0	67.5°	4553.6	2104.6	148.1	118.6	117.8	118.6	121.6	112.7	93.9	83.2
5601.2	70°	4194.7	1674.1	118.6	98.6	102.4	100.3	108.8	102.8	84.5	73.8
4342.4	72.5°	3422.8	1205.9	90.5	81.5	78.5	81.9	98.1	92.6	70.4	58.5
2300.1	75°	2000.1	643.5	67.4	64.4	56.8	68.3	87.1	78.9	53.8	43.1
705.0	77.5°	651.2	224.5	49.5	47.4	42.2	55.0	74.3	66.6	44.0	34.1
206.5	80°	174.5	67.8	33.7	31.2	27.3	41.0	58.9	52.9	31.6	22.2
88.8	82.5°	70.0	28.6	19.6	17.5	14.9	28.2	46.5	42.7	23.5	14.1
27.7	85°	22.6	9.4	7.3	5.5	6.8	17.5	27.7	29.0	16.6	7.3
4.3	87.5°	3.0	1.3	1.3	1.7	1.3	3.0	8.5	8.1	4.7	0.9
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°
981.9
865.8
700.7
541.9
442.5
406.2
393.9
379.8
360.2
335.0
307.7
281.2
260.3
246.2
235.6
236.4
228.7
211.2
194.2
179.7
169.8
163.0
150.2
139.5
124.6
108.0
91.3
81.5
72.5
57.2
41.8
32.9
21.8
14.1
5.5
0.0
0.0

F REPORT)