

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: P849167

Luminaire Tested: **GLAN-SB6A-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849167  
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-SB6A-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17010 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

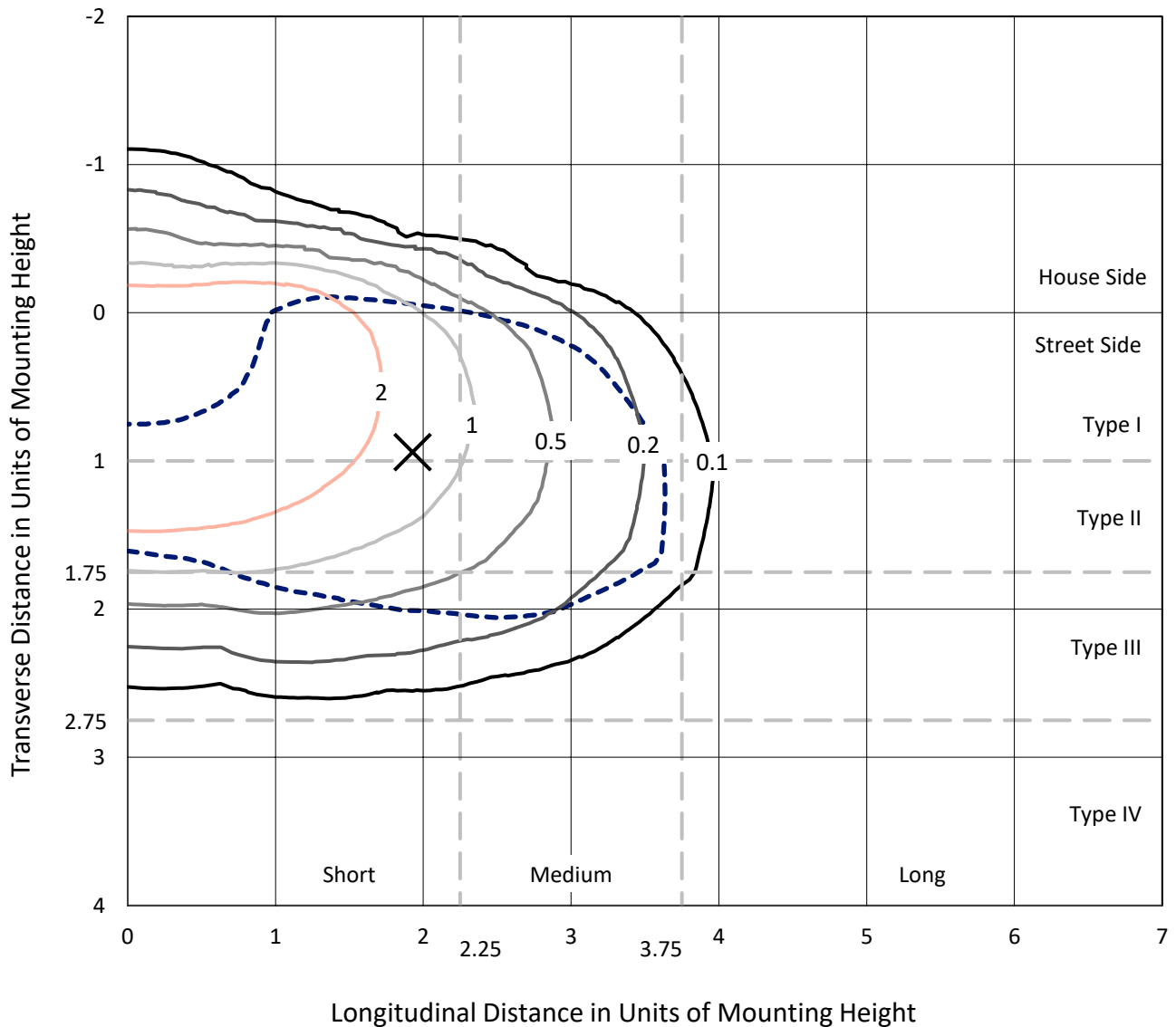
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849167  
 CATALOG NUMBER: GLAN-SB6A-827-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

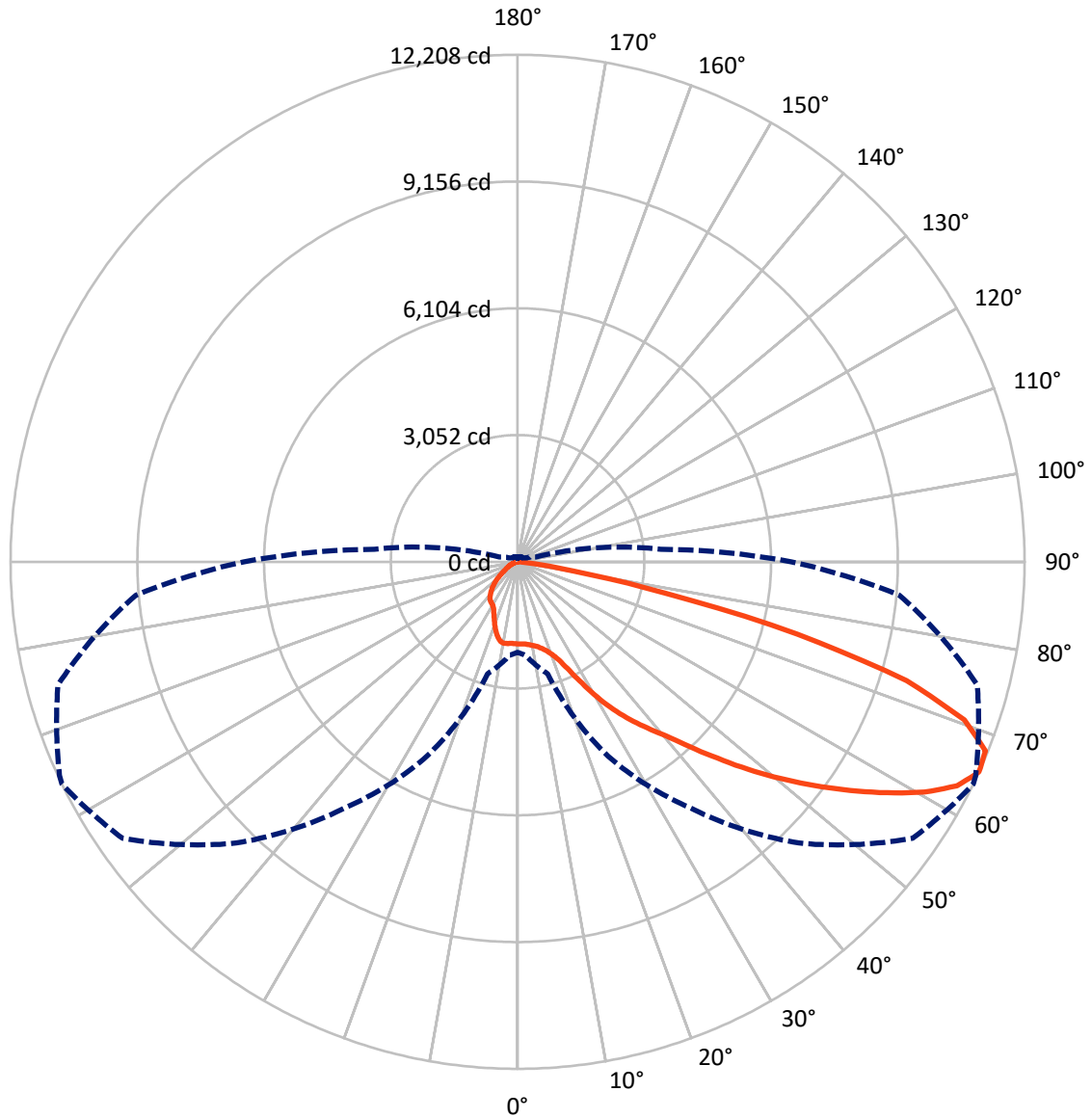
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - N/A

REPORT NUMBER: P849167  
CATALOG NUMBER: GLAN-SB6A-827-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P849167  
 CATALOG NUMBER: GLAN-SB6A-827-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2274.8	0.0	2274.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	14735.2	0.0	14735.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	17010.0	0.0	17010.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.5	1.1
10°-20°	495.1	2.9
20°-30°	938.1	5.5
30°-40°	1898.3	11.2
40°-50°	3233.8	19.0
50°-60°	4397.7	25.9
60°-70°	4129.7	24.3
70°-80°	1654.5	9.7
80°-90°	80.2	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°	17010.0	100.0
0°-180°	17010.0	100.0

**Coefficient of Utilization**



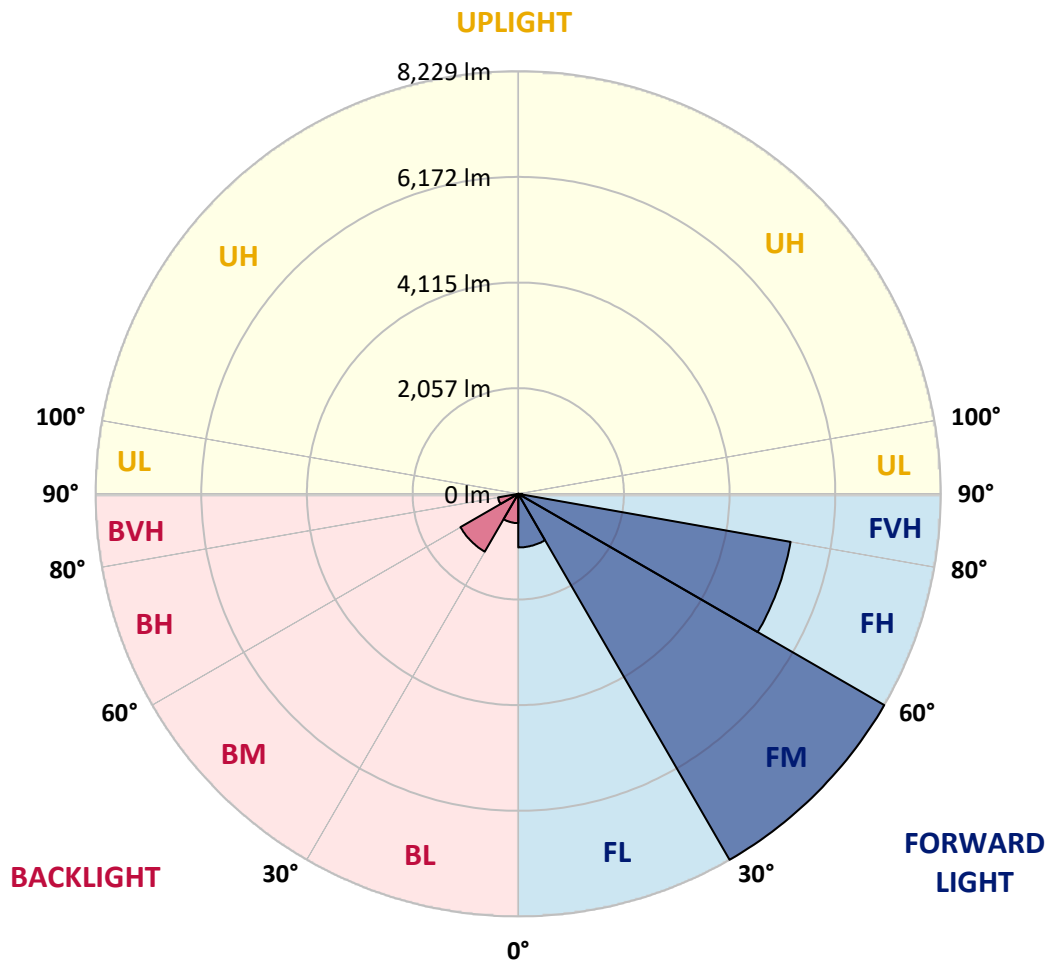
REPORT NUMBER: P849167  
 CATALOG NUMBER: GLAN-SB6A-827-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1044.6	6.1			
FM (30°-60°)	8229.4	48.4			
FH (60°-80°)	5385.0	31.7			G3/7500
FVH (80°-90°)	76.2	0.4			G1/100
BL (0°-30°)	571.1	3.4	B2/1000		
BM (30°-60°)	1300.5	7.6	B2/2500		
BH (60°-80°)	399.3	2.3	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short



REPORT NUMBER: P849167  
 CATALOG NUMBER: GLAN-SB6A-827-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4
2.5°	1971.6	1985.3	1981.9	1978.4	1977.3	1979.6	1980.7	1979.6	1979.6	1979.6
5°	1934.0	1945.4	1945.4	1953.4	1964.8	1978.4	1988.7	1991.0	1993.3	1996.7
7.5°	1862.1	1871.3	1878.1	1904.3	1932.8	1969.3	2000.1	2016.1	2018.4	2030.9
10°	1813.1	1824.5	1835.9	1863.3	1904.3	1959.1	2011.5	2050.3	2056.0	2085.6
12.5°	1810.8	1822.2	1837.0	1866.7	1914.6	1972.7	2036.6	2092.5	2102.7	2146.1
15°	1834.8	1848.4	1862.1	1898.6	1949.9	2020.6	2089.0	2158.6	2168.9	2230.4
17.5°	1883.8	1902.0	1912.3	1948.8	2003.5	2082.2	2172.3	2252.1	2261.2	2333.1
20°	1980.7	2002.4	2005.8	2035.5	2089.0	2173.4	2280.6	2379.8	2391.2	2473.3
22.5°	2181.4	2212.2	2184.8	2199.7	2247.6	2331.9	2448.2	2573.7	2589.6	2683.2
25°	2534.9	2578.2	2507.5	2482.5	2503.0	2590.8	2736.7	2895.2	2913.5	2988.8
27.5°	3229.4	3173.5	3066.3	2961.4	2899.8	2950.0	3114.2	3310.3	3333.1	3406.1
30°	3992.2	3943.2	3798.4	3565.8	3419.8	3411.8	3563.5	3782.4	3808.6	3878.2
32.5°	4756.2	4709.5	4552.1	4265.9	4012.8	3887.3	3992.2	4235.1	4248.8	4293.3
35°	5507.7	5459.8	5302.4	5009.4	4698.1	4413.0	4392.5	4666.2	4670.7	4717.5
37.5°	6263.7	6223.8	6056.2	5768.8	5462.1	5068.7	4878.3	5074.4	5080.1	5125.7
40°	6803.1	6820.2	6705.0	6482.7	6219.3	5789.4	5423.3	5508.8	5474.6	5551.0
42.5°	7266.1	7300.3	7199.9	7088.2	6935.4	6556.8	6098.4	6083.6	6028.8	6069.9
45°	7666.3	7694.8	7604.7	7578.5	7575.1	7309.4	6836.2	6747.2	6670.8	6662.8
47.5°	7813.4	7868.1	7906.9	7994.7	8165.8	8054.0	7599.0	7461.1	7375.5	7312.8
50°	7869.3	7927.4	8059.7	8315.1	8720.0	8767.9	8358.5	8203.4	8098.5	7984.5
52.5°	7794.0	7897.8	8075.7	8505.6	9092.8	9340.3	9087.1	8951.4	8831.7	8645.8
55°	7350.4	7454.2	7818.0	8503.3	9278.7	9741.7	9775.9	9715.4	9580.9	9287.8
57.5°	6415.4	6569.3	7145.2	8213.7	9275.3	10087.2	10451.0	10494.3	10343.8	9924.1
60°	5120.0	5328.7	6031.1	7571.7	8989.1	10274.2	11042.8	11259.4	11099.8	10551.3
62.5°	3572.6	3814.3	4479.1	6565.9	8334.5	10139.6	11474.9	11875.2	11754.3	11112.3
65°	2179.1	2256.7	2792.6	5166.7	7221.6	9576.3	11608.4	12208.2	12168.3	11455.6
67.5°	1451.6	1516.6	1670.6	3542.9	5605.8	8450.8	11289.1	12150.0	12161.4	11399.7
70°	874.6	930.5	1030.8	2060.5	3633.0	6689.1	10300.4	11408.8	11474.9	10652.8
72.5°	360.3	398.0	489.2	933.9	1881.5	4245.4	8202.3	9795.3	9949.2	8957.1
75°	204.1	223.5	287.4	468.7	816.5	1978.4	4968.3	6953.6	7180.5	6173.6
77.5°	135.7	144.8	185.9	303.3	459.5	675.1	2123.3	3622.8	4056.1	3371.9
80°	91.2	99.2	127.7	203.0	298.8	289.6	676.2	1342.1	1651.2	1158.6
82.5°	61.6	62.7	91.2	133.4	189.3	140.3	199.6	417.4	524.5	335.3
85°	35.3	34.2	67.3	77.5	84.4	58.2	60.4	125.4	164.2	141.4
87.5°	4.6	6.8	26.2	20.5	11.4	12.5	12.5	21.7	31.9	34.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849167  
 CATALOG NUMBER: GLAN-SB6A-827-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1978.4	0°	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4	1978.4
1980.7	2.5°	1980.7	1979.6	1976.2	1972.7	1964.8	1960.2	1962.5	1960.2	1959.1	1960.2
1995.5	5°	1995.5	1992.1	1983.0	1971.6	1955.6	1936.2	1923.7	1905.5	1888.4	1878.1
2035.5	7.5°	2035.5	2032.0	2019.5	1987.6	1936.2	1855.3	1781.2	1716.2	1667.1	1638.6
2099.3	10°	2099.3	2093.6	2074.2	2003.5	1869.0	1692.2	1545.1	1423.1	1343.3	1305.7
2174.6	12.5°	2174.6	2167.7	2133.5	1988.7	1741.3	1465.3	1262.3	1126.6	1052.5	1019.4
2261.2	15°	2263.5	2254.4	2187.1	1918.0	1555.4	1214.4	1028.6	927.1	879.2	849.5
2371.8	17.5°	2374.1	2358.2	2227.0	1812.0	1353.5	1022.9	884.9	808.5	766.3	737.8
2516.7	20°	2517.8	2491.6	2259.0	1685.4	1167.7	902.0	788.0	724.1	692.2	667.1
2721.9	22.5°	2718.5	2680.9	2297.7	1548.5	1036.5	818.7	716.1	669.4	643.1	614.6
3008.1	25°	2967.1	2922.6	2345.6	1422.0	946.5	746.9	663.7	624.9	594.1	561.0
3383.3	27.5°	3314.9	3235.1	2402.6	1318.2	868.9	685.3	615.8	572.4	537.1	509.7
3808.6	30°	3702.6	3571.5	2452.8	1255.5	798.2	628.3	553.1	509.7	476.7	457.3
4190.6	32.5°	4069.8	3891.9	2485.9	1228.1	734.4	563.3	484.6	437.9	412.8	407.1
4564.7	35°	4416.4	4181.5	2482.5	1201.9	677.3	498.3	417.4	369.5	350.1	353.5
4967.2	37.5°	4815.5	4490.5	2458.5	1160.8	630.6	439.0	359.2	317.0	299.9	301.0
5456.4	40°	5279.6	4847.5	2443.7	1083.3	579.3	384.3	311.3	277.1	264.6	260.0
5971.8	42.5°	5774.5	5193.0	2446.0	995.5	515.4	335.3	278.2	249.7	238.3	234.9
6545.4	45°	6271.7	5522.5	2449.4	904.3	448.1	297.6	254.3	230.3	223.5	218.9
7126.9	47.5°	6739.2	5803.0	2385.5	806.2	382.0	269.1	234.9	218.9	213.2	207.5
7710.8	50°	7174.8	5990.1	2231.6	692.2	329.5	246.3	220.1	208.7	203.0	197.3
8239.9	52.5°	7513.5	6019.7	1977.3	574.7	293.1	229.2	211.0	200.7	193.9	188.2
8667.5	55°	7664.0	5833.8	1615.8	465.2	264.6	214.4	201.8	191.6	183.6	177.9
9003.9	57.5°	7625.3	5442.7	1260.0	374.0	237.2	199.6	190.4	183.6	174.5	165.3
9276.4	60°	7434.8	4919.3	949.9	311.3	212.1	183.6	177.9	172.2	159.6	146.0
9381.3	62.5°	7105.3	4261.3	677.3	257.7	184.7	165.3	163.1	158.5	140.3	115.2
9226.3	65°	6601.3	3462.0	456.1	214.4	158.5	144.8	146.0	138.0	114.0	85.5
8658.4	67.5°	5864.6	2531.5	291.9	175.6	132.3	120.9	122.0	117.5	96.9	73.0
7581.9	70°	4926.1	1676.3	190.4	133.4	106.0	93.5	100.3	101.5	82.1	59.3
5819.0	72.5°	3611.4	989.8	133.4	99.2	77.5	65.0	82.1	84.4	66.1	44.5
3500.8	75°	2058.3	469.8	100.3	71.8	47.9	45.6	63.9	63.9	45.6	29.6
1515.5	77.5°	864.4	196.1	70.7	46.8	27.4	26.2	43.3	39.9	22.8	13.7
369.5	80°	249.7	87.8	37.6	22.8	11.4	10.3	17.1	12.5	5.7	2.3
140.3	82.5°	98.1	38.8	14.8	9.1	4.6	4.6	2.3	0.0	0.0	0.0
79.8	85°	58.2	16.0	6.8	3.4	1.1	0.0	0.0	0.0	0.0	0.0
17.1	87.5°	14.8	3.4	2.3	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°
1978.4
1964.8
1880.4
1639.8
1302.2
1016.0
850.7
735.5
662.5
610.1
557.6
504.0
453.8
410.5
353.5
305.6
258.9
233.8
218.9
207.5
197.3
187.0
176.7
164.2
143.7
112.9
83.2
69.6
57.0
42.2
27.4
13.7
2.3
0.0
0.0
0.0
0.0

F REPORT)