

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: P847806

Luminaire Tested: **GLAN-SB4A-827-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847806  
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-SB4A-827-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14203 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

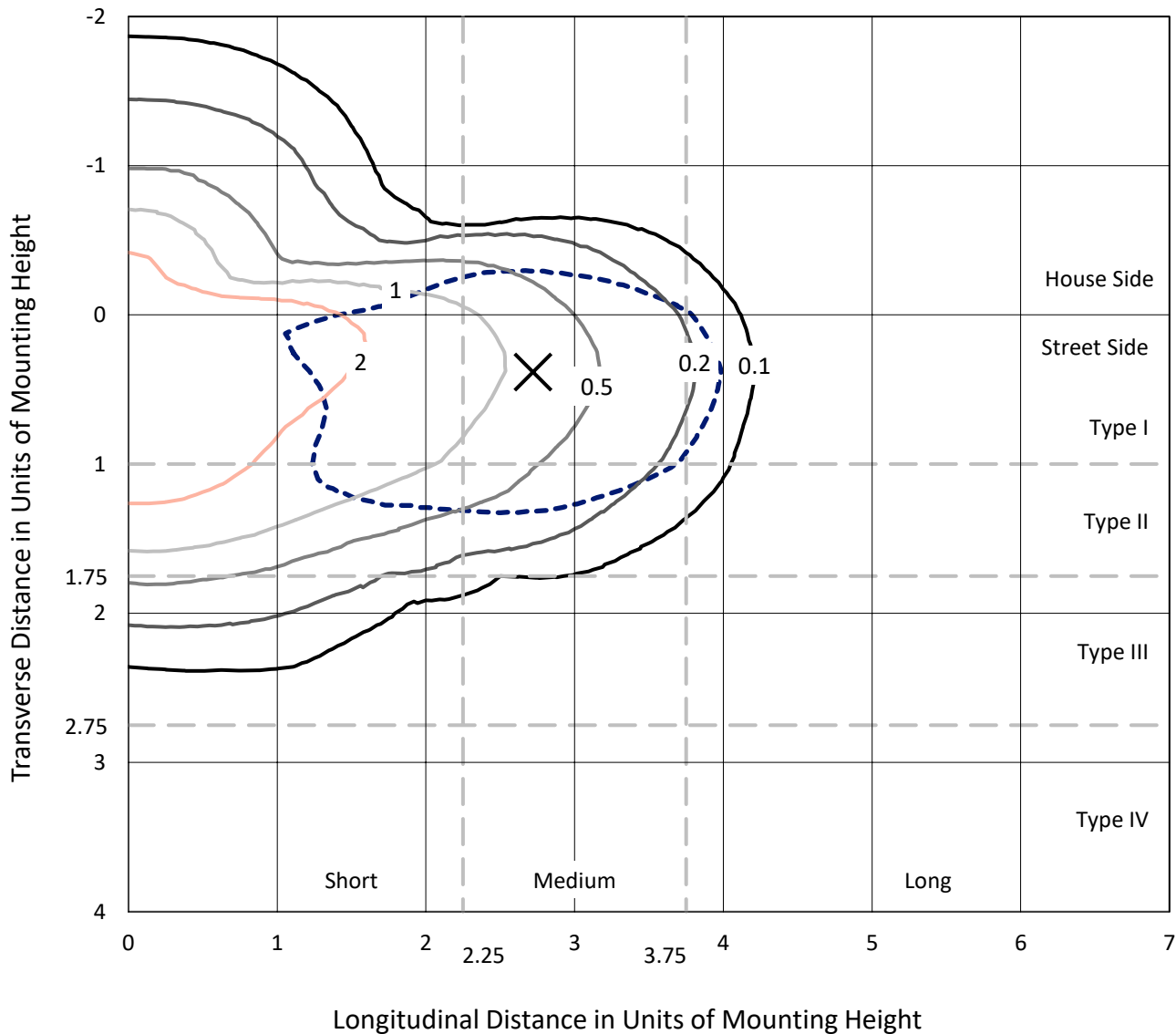
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847806  
 CATALOG NUMBER: GLAN-SB4A-827-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

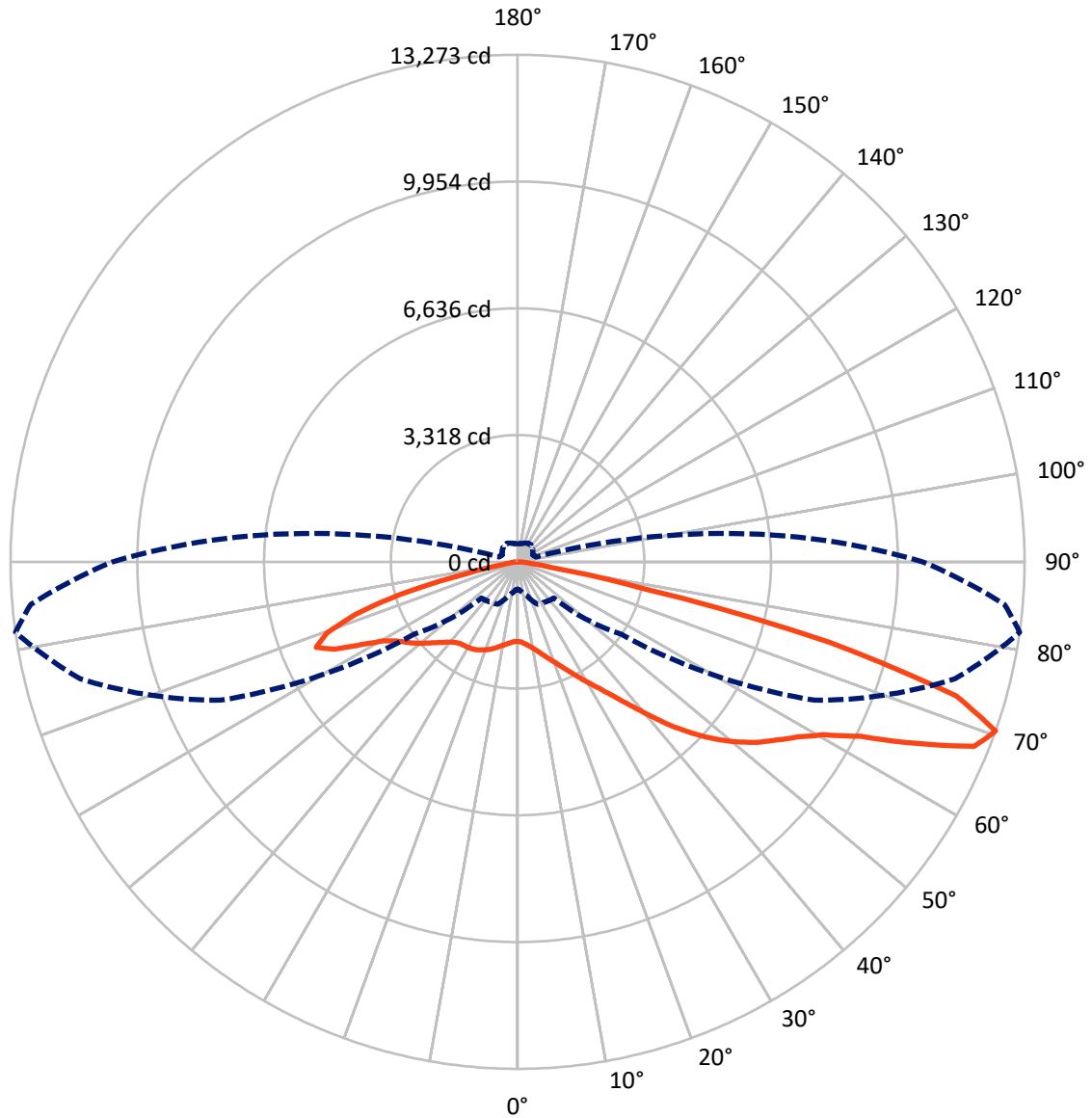
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P847806  
CATALOG NUMBER: GLAN-SB4A-827-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P847806  
 CATALOG NUMBER: GLAN-SB4A-827-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3501.4	0.0	3501.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10701.6	0.0	10701.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	14203.0	0.0	14203.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.6	1.4
10°-20°	564.9	4.0
20°-30°	945.0	6.7
30°-40°	1476.3	10.4
40°-50°	2351.2	16.6
50°-60°	3271.9	23.0
60°-70°	3422.6	24.1
70°-80°	1788.8	12.6
80°-90°	185.7	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°	14203.0	100.0
0°-180°	14203.0	100.0

**Coefficient of Utilization**

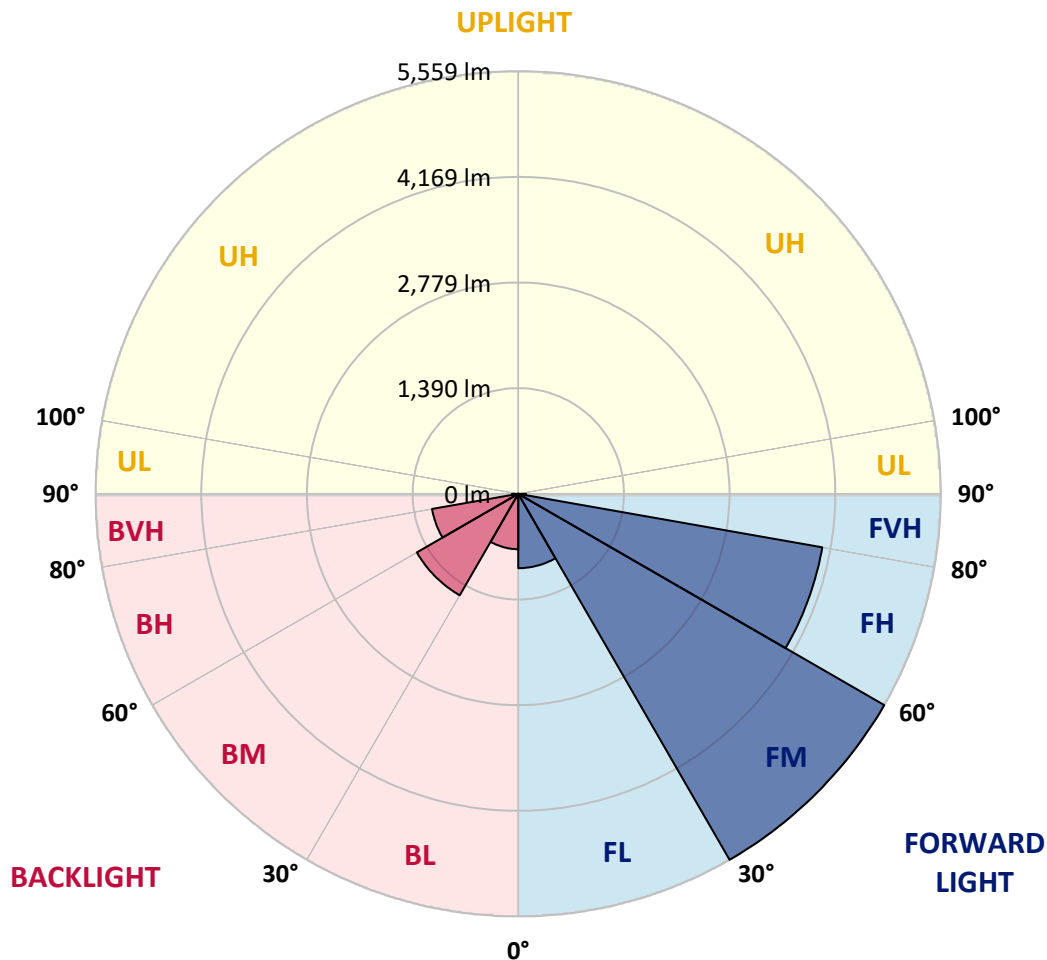


REPORT NUMBER: P847806  
 CATALOG NUMBER: GLAN-SB4A-827-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.0	6.9			
FM (30°-60°)	5558.9	39.1			
FH (60°-80°)	4060.7	28.6			G2/5000
FVH (80°-90°)	104.0	0.7			G2/225
BL (0°-30°)	728.4	5.1	B2/1000		
BM (30°-60°)	1540.5	10.8	B2/2500		
BH (60°-80°)	1150.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	81.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



REPORT NUMBER: P847806  
 CATALOG NUMBER: GLAN-SB4A-827-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3
2.5°	2132.1	2144.1	2140.4	2136.6	2136.6	2131.3	2130.6	2123.0	2117.0	2107.2
5°	2159.2	2172.0	2170.5	2173.5	2183.3	2185.6	2187.8	2183.3	2171.3	2159.2
7.5°	2135.1	2149.4	2153.9	2172.0	2202.2	2229.3	2249.6	2257.9	2246.6	2229.3
10°	2053.7	2069.5	2085.4	2128.3	2181.8	2245.9	2300.1	2332.5	2330.3	2313.7
12.5°	1888.6	1905.2	1939.1	2022.8	2120.8	2233.8	2334.8	2402.6	2426.0	2413.9
15°	1756.8	1771.1	1796.7	1882.6	2010.0	2181.8	2347.6	2479.5	2539.0	2532.3
17.5°	1753.0	1759.0	1774.8	1815.5	1913.5	2100.4	2334.1	2554.9	2668.7	2667.9
20°	1819.3	1821.6	1830.6	1838.9	1894.7	2038.6	2299.4	2617.4	2814.1	2814.1
22.5°	1911.3	1909.8	1918.8	1911.3	1938.4	2033.4	2277.5	2672.4	2976.2	2988.2
25°	2049.2	2041.6	2039.4	2022.0	2027.3	2082.3	2301.6	2735.0	3168.3	3193.2
27.5°	2233.1	2221.0	2212.7	2172.8	2159.2	2183.3	2375.5	2810.4	3382.4	3425.3
30°	2472.7	2450.9	2438.8	2369.5	2320.5	2324.3	2487.0	2910.6	3606.2	3675.6
32.5°	2799.8	2765.9	2733.5	2619.7	2530.0	2500.6	2631.0	3049.3	3848.9	3959.7
35°	3166.1	3139.0	3104.3	2928.7	2790.8	2722.9	2825.4	3243.0	4133.0	4308.6
37.5°	3518.8	3495.4	3512.0	3275.4	3097.5	2998.8	3080.2	3503.0	4483.5	4742.7
40°	3883.6	3865.5	3867.7	3641.6	3434.4	3323.6	3389.2	3829.3	4885.2	5259.0
42.5°	4280.0	4266.4	4221.2	4020.7	3787.8	3684.6	3744.9	4206.1	5316.3	5846.8
45°	4723.9	4715.6	4673.4	4443.5	4176.7	4060.7	4142.1	4622.1	5749.6	6400.0
47.5°	5107.5	5114.3	5109.0	4915.3	4638.7	4468.4	4565.6	5056.2	6152.8	6920.0
50°	5292.1	5327.6	5379.6	5319.3	5147.4	4974.1	4992.9	5475.3	6537.2	7407.6
52.5°	5195.7	5262.7	5404.4	5500.9	5567.2	5531.0	5480.5	5891.3	6898.9	7847.8
55°	4836.2	4930.4	5165.5	5398.4	5736.8	5999.8	6066.1	6352.5	7251.6	8235.1
57.5°	4181.3	4334.2	4545.3	5016.3	5586.1	6226.7	6748.9	6992.4	7625.4	8648.9
60°	3058.3	3263.3	3525.6	4226.5	5058.5	6105.3	7330.0	7975.1	8156.8	9184.7
62.5°	1957.2	2083.8	2325.0	2985.2	3941.6	5483.6	7507.9	9203.6	9057.4	10063.5
65°	1340.0	1421.4	1642.2	2013.0	2548.1	4081.8	7031.6	10124.5	10487.8	11456.2
67.5°	973.7	1035.5	1223.9	1548.8	1660.3	2415.5	5456.4	10082.3	11878.3	12891.2
70°	709.9	753.7	911.9	1223.9	1277.4	1343.8	3305.5	8570.5	11848.1	13272.5
72.5°	526.0	556.2	662.5	949.6	1034.0	907.4	1636.2	6228.9	10181.1	12004.9
75°	380.6	403.2	481.6	726.5	827.5	691.1	816.2	3640.1	7101.7	8444.7
77.5°	290.9	308.2	359.5	532.1	662.5	518.5	506.5	1674.6	3367.3	3383.9
80°	233.6	244.9	272.8	374.6	508.0	388.1	330.1	676.0	1064.2	900.6
82.5°	171.8	190.7	230.6	263.0	363.3	267.5	201.2	341.4	404.7	348.2
85°	98.0	110.8	139.4	188.4	232.1	163.5	115.3	151.5	188.4	154.5
87.5°	34.7	45.2	49.0	73.9	101.0	67.8	44.5	43.7	61.8	46.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847806  
 CATALOG NUMBER: GLAN-SB4A-827-U-T2

**CANDELA DISTRIBUTION (continued):**

85°	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2082.3	0°	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3
2104.9	2.5°	2097.4	2093.6	2078.6	2058.2	2037.1	2016.8	2010.0	1995.7	1985.9
2153.9	5°	2139.6	2127.6	2092.1	2046.9	1999.4	1948.2	1912.0	1878.9	1854.7
2221.0	7.5°	2199.9	2178.8	2117.8	2038.6	1954.2	1869.1	1805.7	1757.5	1725.1
2299.4	10°	2270.0	2237.6	2144.1	2025.8	1895.4	1773.3	1698.7	1657.3	1636.9
2389.1	12.5°	2350.6	2304.7	2171.3	1996.4	1805.7	1666.3	1615.1	1603.0	1603.8
2502.1	15°	2450.1	2386.1	2193.1	1932.4	1688.9	1584.2	1575.1	1594.7	1615.1
2630.2	17.5°	2562.4	2472.0	2196.9	1826.8	1574.4	1531.4	1560.1	1602.3	1633.2
2773.4	20°	2683.0	2559.4	2169.8	1677.6	1480.2	1488.5	1539.7	1594.0	1627.9
2937.0	22.5°	2820.9	2652.9	2104.9	1520.9	1403.3	1441.7	1502.0	1554.8	1590.2
3129.2	25°	2978.4	2757.6	2003.2	1389.0	1337.0	1389.0	1449.3	1493.0	1521.6
3343.9	27.5°	3153.3	2866.9	1867.5	1284.2	1278.9	1334.7	1384.5	1418.4	1433.4
3572.3	30°	3328.9	2966.4	1703.3	1205.1	1228.5	1281.2	1316.6	1331.7	1336.2
3827.0	32.5°	3518.8	3052.3	1530.7	1139.5	1180.2	1229.2	1250.3	1257.1	1236.0
4136.0	35°	3748.7	3144.2	1361.8	1087.5	1132.7	1174.9	1181.7	1175.7	1150.8
4523.4	37.5°	4032.8	3258.8	1226.9	1050.6	1088.3	1116.2	1107.9	1106.4	1108.6
4989.2	40°	4381.0	3408.0	1128.2	1022.0	1052.1	1058.1	1034.8	1047.6	1058.9
5500.1	42.5°	4767.6	3588.1	1065.7	1002.4	1022.0	1007.6	971.5	985.8	984.3
6013.4	45°	5161.8	3784.1	1043.8	988.0	994.1	965.4	925.5	929.3	897.6
6505.5	47.5°	5553.7	3994.3	1057.4	976.0	959.4	927.0	896.1	879.5	832.8
6977.3	50°	5938.0	4215.2	1107.1	951.9	911.9	893.1	870.5	841.1	791.3
7423.5	52.5°	6294.5	4437.5	1162.9	911.9	852.4	863.7	849.4	815.5	766.5
7845.5	55°	6632.1	4659.8	1184.7	856.9	796.6	838.1	829.8	767.2	708.4
8287.1	57.5°	6999.9	4927.4	1160.6	786.8	751.4	808.7	777.0	707.7	673.8
8862.2	60°	7509.4	5347.2	1108.6	700.1	708.4	765.0	710.7	682.1	645.1
9724.4	62.5°	8355.7	6130.2	1025.0	614.2	657.9	700.1	679.0	650.4	612.7
11198.5	65°	9606.8	7218.5	867.5	547.2	601.4	636.8	645.1	616.5	577.3
12490.3	67.5°	10661.9	7901.3	656.4	491.4	543.4	585.6	608.9	581.1	539.6
12792.5	70°	10603.9	7405.4	501.2	436.4	492.1	535.1	565.2	543.4	498.9
11619.8	72.5°	9418.4	6195.0	405.5	380.6	440.1	482.3	518.5	501.9	456.7
8512.5	75°	6919.3	4397.6	324.1	324.1	375.3	427.3	467.3	456.7	415.3
3573.8	77.5°	2916.6	1844.9	254.0	269.1	312.0	367.0	416.8	420.5	384.4
945.1	80°	775.5	508.7	193.7	211.8	244.9	303.0	362.5	361.0	321.8
351.2	82.5°	295.4	200.5	137.9	149.2	177.1	232.1	287.1	296.2	257.0
137.9	85°	113.8	85.9	85.2	89.7	103.3	153.7	217.1	224.6	193.7
38.4	87.5°	29.4	25.6	31.7	30.1	47.5	82.1	124.4	128.9	118.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
2082.3
1986.6
1841.2
1708.5
1628.6
1606.0
1624.1
1649.7
1649.7
1612.1
1542.0
1450.0
1343.8
1226.2
1122.9
1076.2
1007.6
914.2
837.3
786.1
748.4
726.5
672.3
646.6
615.7
585.6
550.2
512.5
474.8
431.1
391.9
369.3
279.6
222.3
169.6
98.0
0.0

F REPORT)