

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: P846146

Luminaire Tested: **GLAN-SB1C-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846146  
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-SB1C-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6374 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

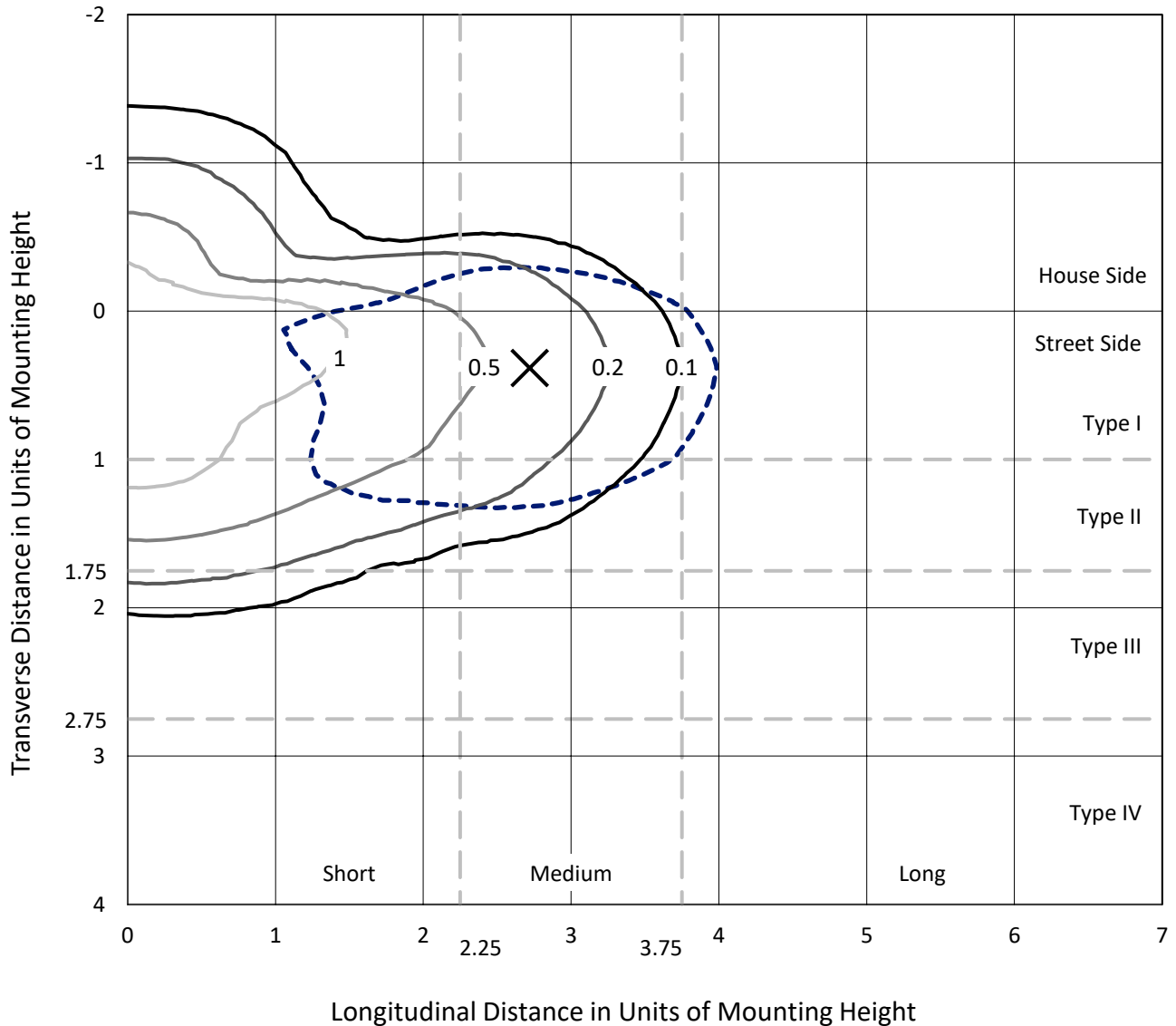
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846146  
 CATALOG NUMBER: GLAN-SB1C-850-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

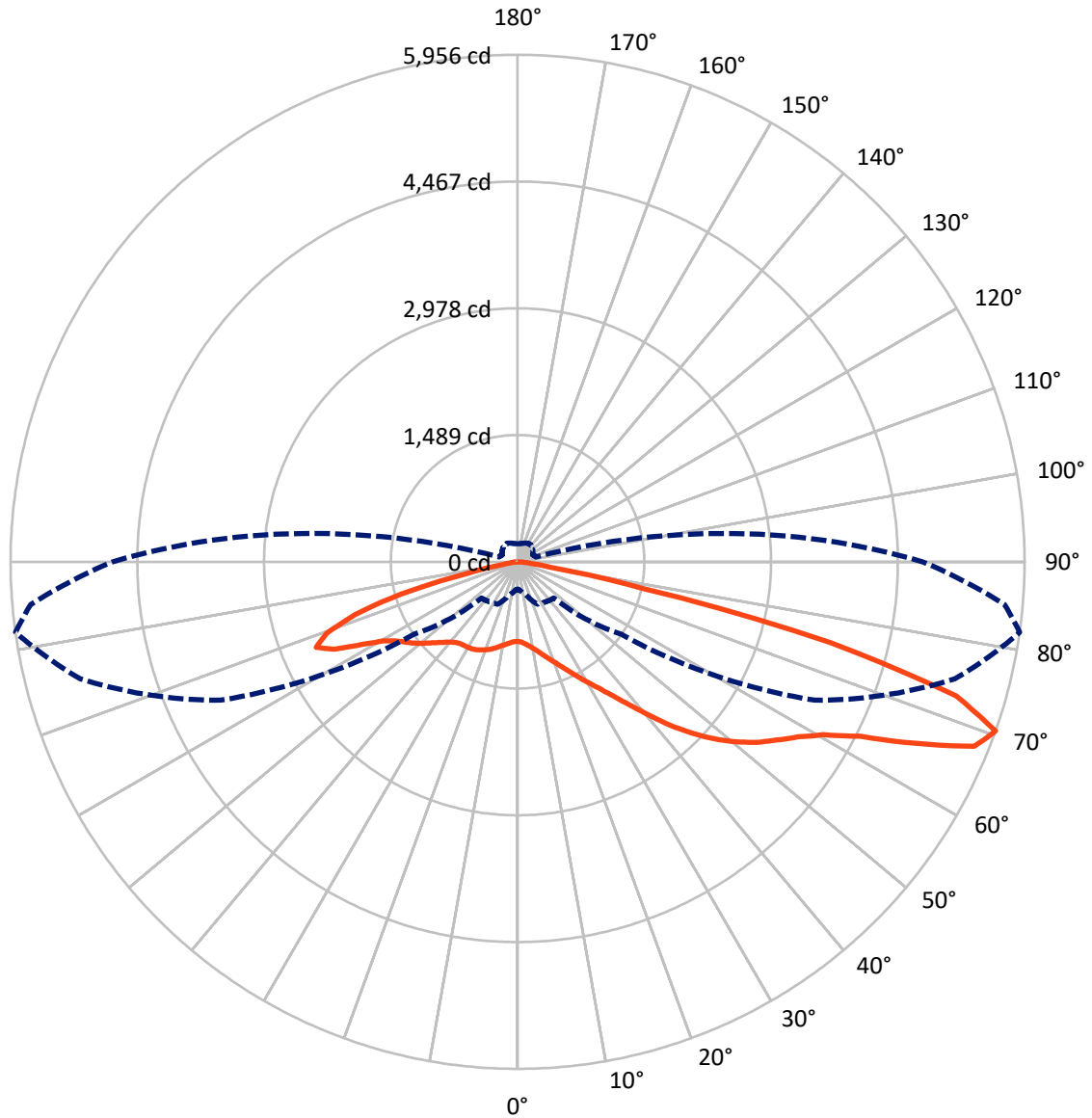
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Medium - N/A

REPORT NUMBER: P846146  
CATALOG NUMBER: GLAN-SB1C-850-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846146  
 CATALOG NUMBER: GLAN-SB1C-850-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1571.3	0.0	1571.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	4802.6	0.0	4802.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	6374.0	0.0	6374.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.2	1.4
10°-20°	253.5	4.0
20°-30°	424.1	6.7
30°-40°	662.5	10.4
40°-50°	1055.2	16.6
50°-60°	1468.4	23.0
60°-70°	1536.0	24.1
70°-80°	802.8	12.6
80°-90°	83.4	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°	6374.0	100.0
0°-180°	6374.0	100.0

**Coefficient of Utilization**

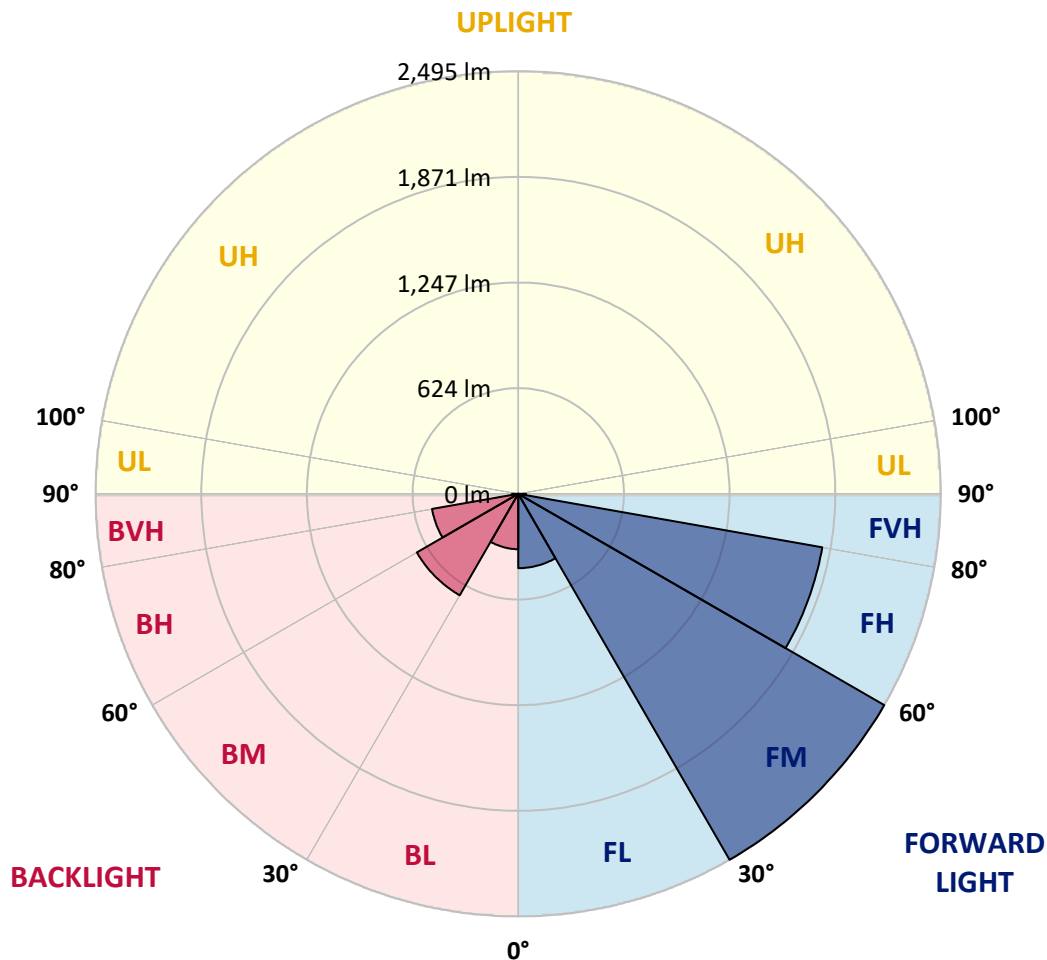


REPORT NUMBER: P846146  
 CATALOG NUMBER: GLAN-SB1C-850-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.9	6.9			
FM (30°-60°)	2494.7	39.1			
FH (60°-80°)	1822.3	28.6			G2/5000
FVH (80°-90°)	46.7	0.7			G1/100
BL (0°-30°)	326.9	5.1	B1/500		
BM (30°-60°)	691.3	10.8	B1/1000		
BH (60°-80°)	516.4	8.1	B2/1000		G2/1000
BVH (80°-90°)	36.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



REPORT NUMBER: P846146  
 CATALOG NUMBER: GLAN-SB1C-850-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	956.8	962.2	960.6	958.9	958.9	956.5	956.2	952.8	950.1	945.7
5°	969.0	974.8	974.1	975.4	979.8	980.8	981.9	979.8	974.4	969.0
7.5°	958.2	964.6	966.6	974.8	988.3	1000.5	1009.6	1013.3	1008.2	1000.5
10°	921.7	928.8	935.9	955.1	979.2	1007.9	1032.3	1046.8	1045.8	1038.3
12.5°	847.6	855.0	870.2	907.8	951.8	1002.5	1047.8	1078.3	1088.7	1083.3
15°	788.4	794.8	806.3	844.9	902.0	979.2	1053.6	1112.8	1139.5	1136.4
17.5°	786.7	789.4	796.5	814.8	858.7	942.6	1047.5	1146.6	1197.6	1197.3
20°	816.5	817.5	821.5	825.3	850.3	914.9	1031.9	1174.6	1262.9	1262.9
22.5°	857.7	857.1	861.1	857.7	869.9	912.5	1022.1	1199.3	1335.6	1341.1
25°	919.6	916.2	915.2	907.5	909.8	934.5	1032.9	1227.4	1421.9	1433.0
27.5°	1002.2	996.7	993.0	975.1	969.0	979.8	1066.1	1261.2	1517.9	1537.2
30°	1109.7	1099.9	1094.5	1063.4	1041.4	1043.1	1116.1	1306.2	1618.4	1649.5
32.5°	1256.5	1241.3	1226.7	1175.7	1135.4	1122.2	1180.7	1368.4	1727.3	1777.0
35°	1420.9	1408.7	1393.1	1314.3	1252.4	1222.0	1268.0	1455.4	1854.8	1933.6
37.5°	1579.2	1568.7	1576.1	1469.9	1390.1	1345.8	1382.3	1572.1	2012.1	2128.4
40°	1742.9	1734.7	1735.8	1634.3	1541.3	1491.6	1521.0	1718.5	2192.4	2360.1
42.5°	1920.8	1914.7	1894.4	1804.4	1699.9	1653.6	1680.6	1887.6	2385.8	2623.9
45°	2120.0	2116.3	2097.3	1994.2	1874.4	1822.3	1858.9	2074.3	2580.3	2872.2
47.5°	2292.1	2295.2	2292.8	2205.9	2081.8	2005.3	2049.0	2269.1	2761.2	3105.6
50°	2375.0	2390.9	2414.2	2387.2	2310.1	2232.3	2240.7	2457.2	2933.7	3324.4
52.5°	2331.7	2361.8	2425.4	2468.7	2498.4	2482.2	2459.6	2643.9	3096.1	3521.9
55°	2170.4	2212.7	2318.2	2422.7	2574.5	2692.6	2722.4	2850.9	3254.4	3695.8
57.5°	1876.5	1945.1	2039.8	2251.2	2506.9	2794.4	3028.8	3138.0	3422.1	3881.4
60°	1372.5	1464.5	1582.2	1896.8	2270.1	2739.9	3289.5	3579.1	3660.6	4121.9
62.5°	878.4	935.2	1043.4	1339.7	1768.9	2460.9	3369.4	4130.4	4064.8	4516.3
65°	601.4	637.9	737.0	903.4	1143.5	1831.8	3155.6	4543.7	4706.7	5141.3
67.5°	437.0	464.7	549.3	695.0	745.1	1084.0	2448.7	4524.7	5330.7	5785.3
70°	318.6	338.2	409.2	549.3	573.3	603.1	1483.4	3846.3	5317.2	5956.4
72.5°	236.1	249.6	297.3	426.2	464.0	407.2	734.3	2795.4	4569.0	5387.5
75°	170.8	180.9	216.1	326.0	371.4	310.1	366.3	1633.6	3187.1	3789.8
77.5°	130.6	138.3	161.3	238.8	297.3	232.7	227.3	751.5	1511.2	1518.6
80°	104.8	109.9	122.4	168.1	228.0	174.2	148.1	303.4	477.6	404.2
82.5°	77.1	85.6	103.5	118.0	163.0	120.1	90.3	153.2	181.6	156.3
85°	44.0	49.7	62.6	84.6	104.2	73.4	51.7	68.0	84.6	69.3
87.5°	15.6	20.3	22.0	33.1	45.3	30.4	20.0	19.6	27.7	20.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846146  
 CATALOG NUMBER: GLAN-SB1C-850-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
934.5	0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
944.7	2.5°	941.3	939.6	932.8	923.7	914.2	905.1	902.0	895.6	891.2	888.8
966.6	5°	960.2	954.8	938.9	918.6	897.3	874.3	858.1	843.2	832.4	822.2
996.7	7.5°	987.3	977.8	950.4	914.9	877.0	838.8	810.4	788.7	774.2	764.7
1031.9	10°	1018.7	1004.2	962.2	909.1	850.6	795.8	762.4	743.8	734.6	729.5
1072.2	12.5°	1054.9	1034.3	974.4	896.0	810.4	747.8	724.8	719.4	719.7	720.1
1122.9	15°	1099.6	1070.8	984.2	867.2	758.0	710.9	706.9	715.7	724.8	729.2
1180.4	17.5°	1150.0	1109.4	985.9	819.9	706.5	687.3	700.1	719.1	732.9	739.0
1244.7	20°	1204.1	1148.6	973.7	752.9	664.3	668.0	691.0	715.3	730.6	738.3
1318.1	22.5°	1266.0	1190.5	944.7	682.5	629.8	647.0	674.1	697.8	713.6	721.4
1404.3	25°	1336.7	1237.6	899.0	623.3	600.0	623.3	650.4	670.0	682.9	690.0
1500.7	27.5°	1415.1	1286.6	838.1	576.3	574.0	599.0	621.3	636.5	643.3	648.7
1603.2	30°	1493.9	1331.2	764.4	540.8	551.3	575.0	590.9	597.6	599.7	600.7
1717.5	32.5°	1579.2	1369.8	686.9	511.4	529.7	551.6	561.1	564.2	554.7	548.3
1856.2	35°	1682.3	1411.1	611.2	488.1	508.3	527.3	530.3	527.6	516.5	503.3
2030.0	37.5°	1809.8	1462.5	550.6	471.5	488.4	500.9	497.2	496.5	497.5	482.0
2239.0	40°	1966.1	1529.4	506.3	458.6	472.2	474.9	464.4	470.1	475.2	451.5
2468.3	42.5°	2139.6	1610.3	478.2	449.8	458.6	452.2	436.0	442.4	441.7	410.6
2698.7	45°	2316.5	1698.2	468.4	443.4	446.1	433.3	415.3	417.0	402.8	374.8
2919.5	47.5°	2492.4	1792.6	474.5	438.0	430.6	416.0	402.1	394.7	373.7	352.8
3131.3	50°	2664.9	1891.7	496.8	427.2	409.2	400.8	390.6	377.5	355.1	337.2
3331.5	52.5°	2824.8	1991.5	521.9	409.2	382.5	387.6	381.2	366.0	344.0	325.7
3520.9	55°	2976.4	2091.2	531.7	384.6	357.5	376.1	372.4	344.3	317.9	303.0
3719.1	57.5°	3141.4	2211.3	520.9	353.1	337.2	362.9	348.7	317.6	302.4	291.2
3977.2	60°	3370.0	2399.7	497.5	314.2	317.9	343.3	318.9	306.1	289.5	277.0
4364.1	62.5°	3749.9	2751.1	460.0	275.7	295.3	314.2	304.7	291.9	275.0	262.8
5025.6	65°	4311.3	3239.5	389.3	245.5	269.9	285.8	289.5	276.7	259.1	246.2
5605.4	67.5°	4784.8	3545.9	294.6	220.5	243.9	262.8	273.3	260.8	242.2	229.7
5741.0	70°	4758.8	3323.4	224.9	195.8	220.9	240.1	253.7	243.9	223.9	212.1
5214.7	72.5°	4226.8	2780.2	182.0	170.8	197.5	216.5	232.7	225.3	205.0	193.5
3820.2	75°	3105.2	1973.5	145.4	145.4	168.4	191.8	209.7	205.0	186.4	178.2
1603.8	77.5°	1308.9	828.0	114.0	120.7	140.0	164.7	187.0	188.7	172.5	182.6
424.1	80°	348.0	228.3	86.9	95.0	109.9	136.0	162.7	162.0	144.4	135.0
157.6	82.5°	132.6	90.0	61.9	67.0	79.5	104.2	128.9	132.9	115.3	99.8
61.9	85°	51.1	38.6	38.2	40.2	46.3	69.0	97.4	100.8	86.9	73.7
17.2	87.5°	13.2	11.5	14.2	13.5	21.3	36.9	55.8	57.8	53.1	30.8
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



<u>180°</u>
934.5
891.6
826.3
766.7
730.9
720.8
728.9
740.4
740.4
723.5
692.0
650.7
603.1
550.3
504.0
483.0
452.2
410.3
375.8
352.8
335.9
326.0
301.7
290.2
276.3
262.8
246.9
230.0
213.1
193.5
175.9
165.7
125.5
99.8
76.1
44.0
0.0

F REPORT)