

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: P850555

Luminaire Tested: **GLAN-SB8A-840-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850555  
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-SB8A-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 23555 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

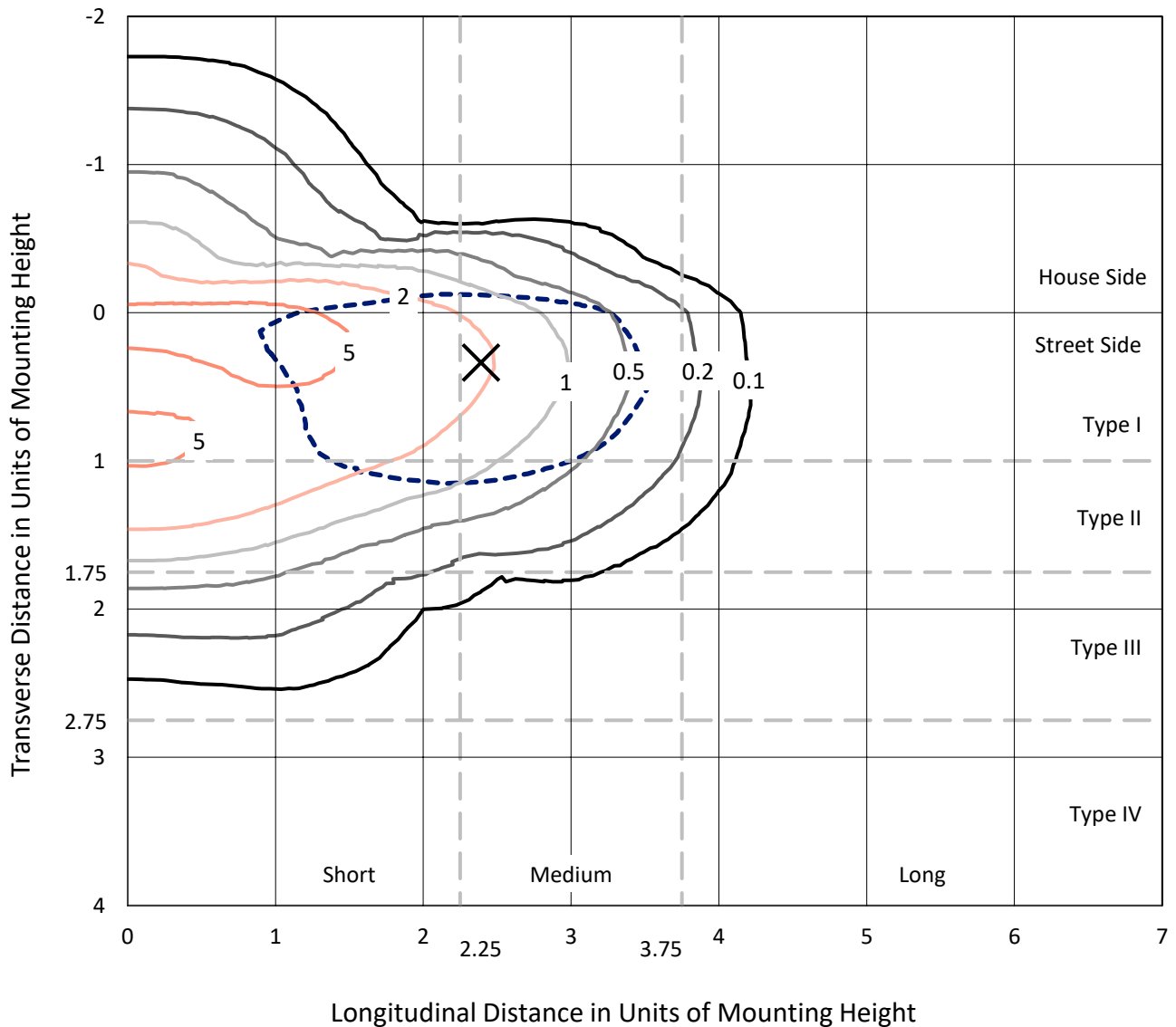
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850555  
 CATALOG NUMBER: GLAN-SB8A-840-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

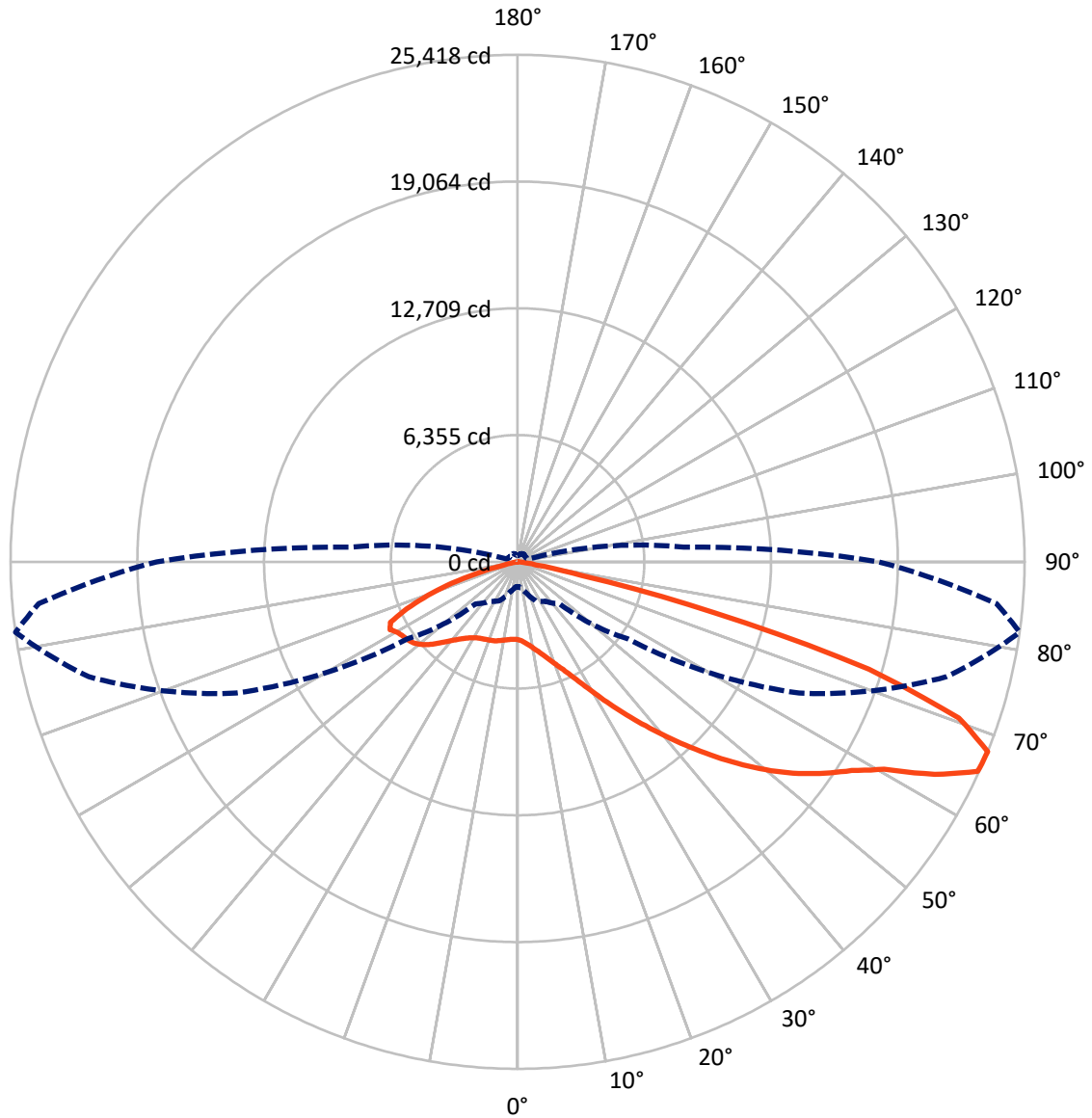
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P850555  
CATALOG NUMBER: GLAN-SB8A-840-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P850555  
 CATALOG NUMBER: GLAN-SB8A-840-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4266.8	0.0	4266.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	19288.2	0.0	19288.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	23555.0	0.0	23555.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.7	1.5
10°-20°	903.4	3.8
20°-30°	1447.0	6.1
30°-40°	2558.8	10.9
40°-50°	4483.2	19.0
50°-60°	5979.3	25.4
60°-70°	5566.5	23.6
70°-80°	2136.4	9.1
80°-90°	132.7	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°	23555.0	100.0
0°-180°	23555.0	100.0

**Coefficient of Utilization**

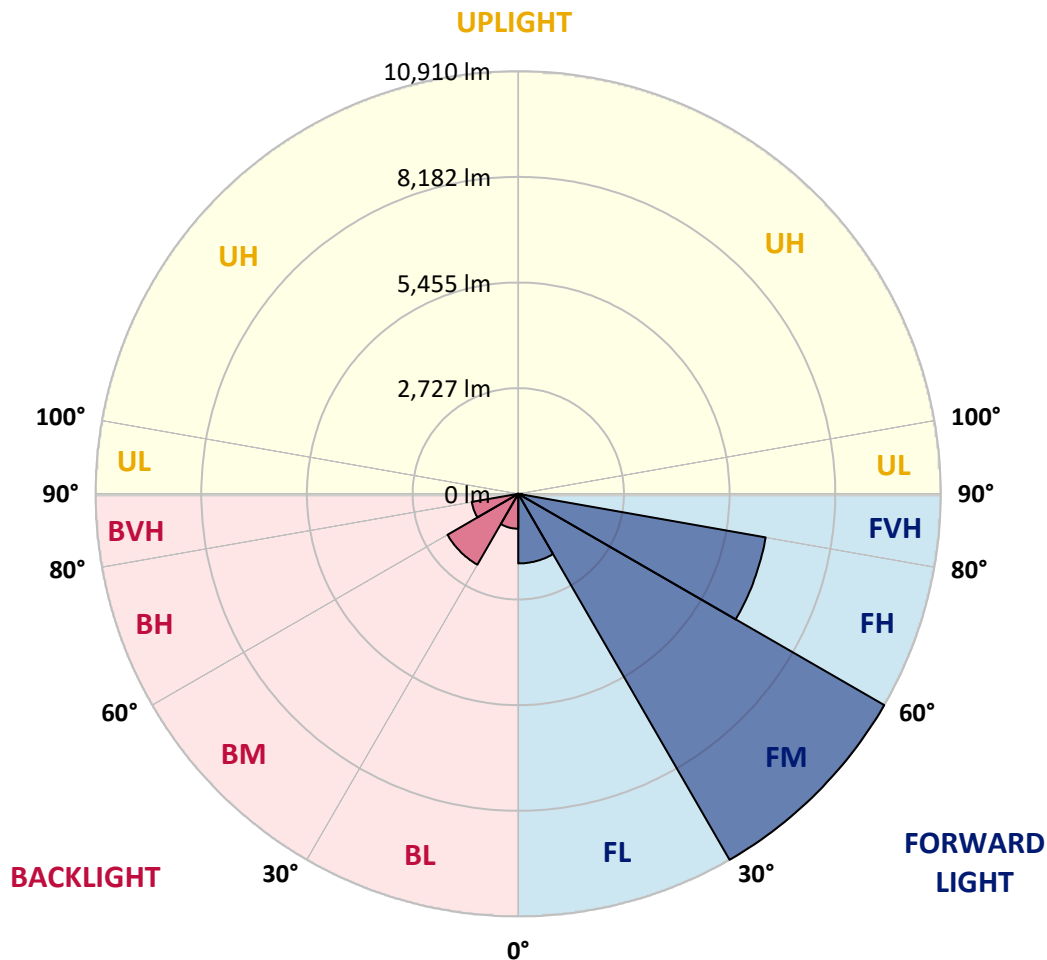


REPORT NUMBER: P850555  
 CATALOG NUMBER: GLAN-SB8A-840-U-T2-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1797.0	7.6			
FM	(30°-60°)	10909.7	46.3			
FH	(60°-80°)	6485.1	27.5			G3/7500
FVH	(80°-90°)	96.5	0.4			G1/100
BL	(0°-30°)	901.1	3.8	B2/1000		
BM	(30°-60°)	2111.6	9.0	B2/2500		
BH	(60°-80°)	1217.8	5.2	B3/2500		G3/2500
BVH	(80°-90°)	36.2	0.2			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: P850555  
 CATALOG NUMBER: GLAN-SB8A-840-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3
2.5°	4124.4	4148.2	4134.6	4127.8	4115.9	4099.0	4085.4	4043.0	3998.9	3970.1
5°	4207.5	4231.3	4229.6	4236.4	4244.8	4249.9	4246.5	4199.0	4136.3	4087.1
7.5°	4136.3	4163.4	4185.5	4219.4	4278.8	4341.5	4372.0	4361.9	4297.4	4229.6
10°	3934.5	3963.3	4015.9	4095.6	4221.1	4356.8	4470.4	4523.0	4482.3	4407.6
12.5°	3564.8	3593.6	3697.1	3870.0	4080.3	4316.1	4533.1	4673.9	4684.1	4609.5
15°	3149.3	3178.1	3288.4	3505.4	3826.0	4204.1	4567.1	4833.3	4923.2	4858.8
17.5°	2891.5	2916.9	3000.0	3174.7	3508.8	3980.3	4555.2	5002.9	5208.1	5157.2
20°	2813.5	2835.5	2874.6	2996.7	3274.8	3747.9	4477.2	5162.3	5515.1	5486.2
22.5°	2896.6	2916.9	2928.8	2983.1	3157.8	3595.3	4378.8	5325.1	5871.2	5874.6
25°	3088.2	3108.6	3095.0	3128.9	3205.3	3547.8	4341.5	5516.8	6318.9	6356.2
27.5°	3403.7	3405.4	3373.1	3371.4	3383.3	3619.1	4380.5	5722.0	6883.7	6953.2
30°	4036.2	4010.8	3887.0	3753.0	3692.0	3832.7	4489.0	5964.5	7550.1	7673.9
32.5°	5011.4	4974.1	4746.8	4426.3	4104.1	4177.0	4684.1	6240.9	8276.0	8499.9
35°	6069.6	6059.5	5822.0	5345.5	4782.4	4667.1	5001.2	6603.8	9068.0	9424.1
37.5°	7053.2	7048.2	6912.5	6351.1	5666.0	5350.6	5510.0	7078.7	9915.9	10431.5
40°	7952.1	7967.3	7831.7	7329.7	6639.4	6227.3	6201.9	7665.5	10858.8	11528.7
42.5°	8728.8	8745.8	8608.4	8237.0	7601.0	7197.4	7051.6	8384.5	11779.7	12707.4
45°	9256.2	9361.4	9341.0	9044.2	8588.0	8169.2	8072.5	9286.7	12829.5	13957.3
47.5°	9405.5	9502.1	9654.8	9695.5	9417.3	9005.2	9120.6	10373.8	13891.1	15208.8
50°	9037.5	9127.3	9444.5	9866.7	10060.1	9932.9	10139.8	11538.9	14978.2	16457.0
52.5°	8311.6	8403.2	8803.4	9471.6	10260.2	10660.4	11162.4	12687.0	16031.3	17639.1
55°	7261.8	7358.5	7872.4	8628.7	9878.6	10960.6	12015.5	13833.5	16996.3	18702.4
57.5°	5833.9	5905.1	6439.3	7497.6	8918.7	10662.1	12644.6	15085.0	17905.3	19747.1
60°	3802.2	3865.0	4485.7	5666.0	7328.0	9664.9	12770.1	16480.8	19112.8	21105.5
62.5°	2528.6	2571.0	2939.0	3805.6	5160.6	7750.3	12035.8	17595.0	20883.3	23469.6
65°	1734.9	1777.3	2145.3	2749.1	3334.1	5126.7	9924.4	17447.4	22487.6	25346.9
67.5°	1238.0	1273.6	1585.7	2155.5	2413.3	2978.0	6727.6	15561.6	22257.0	25418.2
70°	887.0	907.3	1165.1	1678.9	1918.1	1789.2	3741.2	11901.8	19487.6	23471.3
72.5°	620.7	627.5	808.9	1278.7	1545.0	1305.8	1780.7	7935.1	14739.1	18422.6
75°	420.6	429.1	544.4	937.8	1239.7	997.2	942.9	4255.0	8652.5	10197.4
77.5°	257.8	261.2	351.1	641.1	927.7	759.8	607.1	1802.7	3347.7	3286.7
80°	145.8	145.8	223.9	398.5	632.6	490.1	425.7	766.5	1059.9	931.0
82.5°	81.4	83.1	162.8	247.6	418.9	290.0	234.0	354.4	457.9	405.3
85°	33.9	37.3	100.1	117.0	200.1	144.2	95.0	149.2	169.6	150.9
87.5°	3.4	5.1	30.5	22.0	23.7	28.8	13.6	28.8	23.7	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850555  
 CATALOG NUMBER: GLAN-SB8A-840-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3902.3	0°	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3
3959.9	2.5°	3927.7	3902.3	3837.8	3763.2	3664.8	3617.4	3552.9	3508.8	3471.5	3474.9
4058.3	5°	4004.0	3939.6	3795.4	3615.7	3391.8	3232.4	3062.8	2945.8	2850.8	2830.5
4194.0	7.5°	4109.2	4007.4	3754.7	3430.8	3052.6	2766.0	2509.9	2345.4	2228.4	2191.1
4358.5	10°	4244.8	4097.3	3702.2	3198.5	2654.1	2289.5	2014.7	1885.8	1806.1	1779.0
4551.8	12.5°	4402.6	4200.7	3632.6	2915.3	2243.7	1892.6	1717.9	1653.5	1628.1	1619.6
4789.2	15°	4601.0	4329.6	3527.5	2579.5	1896.0	1650.1	1575.5	1567.0	1570.4	1567.0
5074.1	17.5°	4836.7	4470.4	3356.2	2233.5	1662.0	1526.3	1499.2	1506.0	1514.4	1512.7
5393.0	20°	5094.5	4609.5	3137.4	1926.5	1502.6	1438.1	1422.9	1429.6	1436.4	1433.0
5761.0	22.5°	5387.9	4758.7	2894.9	1687.4	1395.7	1356.7	1339.8	1341.5	1341.5	1334.7
6227.3	25°	5738.9	4923.2	2640.5	1517.8	1314.3	1283.8	1263.4	1256.7	1246.5	1226.1
6793.8	27.5°	6157.8	5097.9	2396.3	1399.1	1249.9	1221.0	1197.3	1180.3	1154.9	1121.0
7473.8	30°	6629.3	5309.9	2189.4	1324.5	1199.0	1170.2	1143.0	1117.6	1080.3	1037.9
8255.6	32.5°	7183.8	5537.1	2038.5	1275.3	1153.2	1122.7	1090.5	1059.9	1019.2	976.8
9134.1	35°	7845.2	5811.8	1950.3	1241.4	1117.6	1076.9	1041.3	1007.4	976.8	939.5
10088.9	37.5°	8562.6	6103.5	1923.2	1224.4	1093.9	1031.1	990.4	966.7	963.3	941.2
11121.7	40°	9347.8	6449.5	1943.5	1214.3	1068.4	987.0	942.9	937.8	946.3	907.3
12225.7	42.5°	10178.8	6859.9	1977.4	1202.4	1032.8	942.9	900.5	900.5	893.7	839.5
13392.5	45°	11077.6	7333.1	2011.3	1173.6	990.4	898.8	866.6	854.7	825.9	773.3
14566.1	47.5°	11983.2	7814.7	2036.8	1121.0	939.5	861.5	832.7	805.6	763.2	715.7
15717.6	50°	12843.1	8247.2	2009.6	1043.0	881.9	825.9	795.4	758.1	712.3	680.1
16808.1	52.5°	13611.3	8622.0	1894.3	951.4	820.8	788.6	761.5	722.5	685.1	651.2
17791.7	55°	14279.5	8925.5	1690.8	864.9	766.5	756.4	729.2	680.1	629.2	600.3
18766.8	57.5°	14920.5	9156.2	1436.4	793.7	717.4	720.8	680.1	636.0	588.5	558.0
20081.2	60°	15773.6	9464.8	1178.7	727.5	664.8	675.0	630.9	598.7	539.3	500.3
22335.0	62.5°	17137.1	9944.8	936.1	646.1	603.7	607.1	588.5	549.5	478.2	432.5
24005.5	65°	18219.1	9768.4	737.7	558.0	534.2	539.3	539.3	496.9	420.6	368.0
24095.4	67.5°	18097.0	8364.2	588.5	471.5	468.1	471.5	483.3	447.7	373.1	330.7
22260.4	70°	16670.7	6653.0	471.5	391.8	407.0	398.5	432.5	408.7	335.8	293.4
17257.5	72.5°	13602.8	4792.6	359.5	323.9	312.0	325.6	390.1	368.0	279.8	232.3
9140.9	75°	7948.7	2557.4	268.0	256.1	225.6	271.3	346.0	313.7	213.7	171.3
2801.6	77.5°	2587.9	892.0	196.7	188.2	167.9	218.8	295.1	264.6	174.7	135.7
820.8	80°	693.6	269.6	134.0	123.8	108.5	162.8	234.0	210.3	125.5	88.2
352.7	82.5°	278.1	113.6	78.0	69.5	59.4	111.9	184.9	169.6	93.3	56.0
110.2	85°	89.9	37.3	28.8	22.0	27.1	69.5	110.2	115.3	66.1	28.8
17.0	87.5°	11.9	5.1	5.1	6.8	5.1	11.9	33.9	32.2	18.7	3.4
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°
3902.3
3441.0
2784.7
2153.8
1758.6
1614.5
1565.3
1509.4
1431.3
1331.3
1222.7
1117.6
1034.5
978.5
936.1
939.5
909.0
839.5
771.6
714.0
675.0
647.8
597.0
554.6
495.2
429.1
362.9
323.9
288.3
227.3
166.2
130.6
86.5
56.0
22.0
0.0
0.0

F REPORT)