

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: P848867

Luminaire Tested: **GLAN-SB5C-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848867
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-SB5C-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 615mA 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: 25476 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

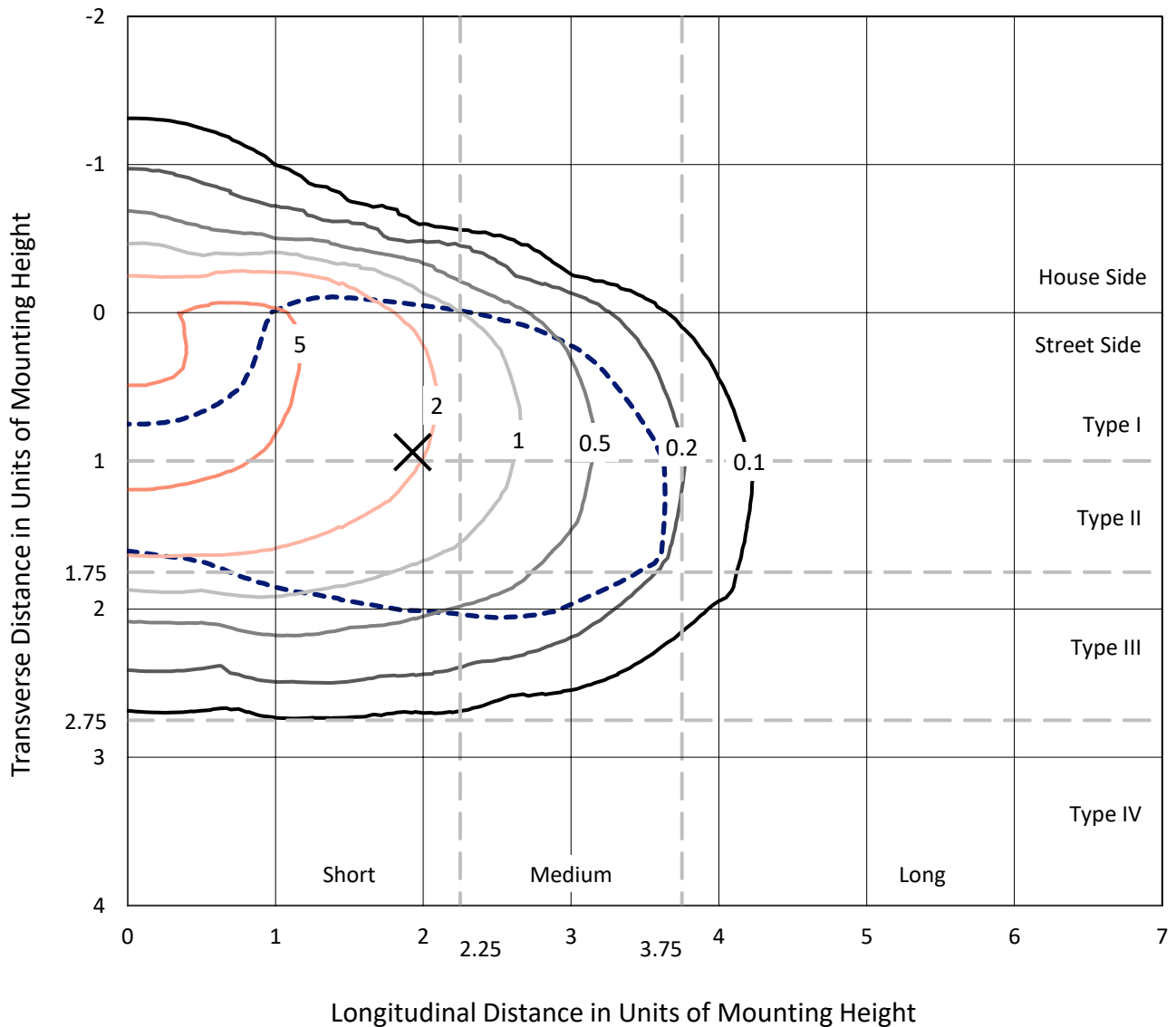
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848867
 CATALOG NUMBER: GLAN-SB5C-850-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

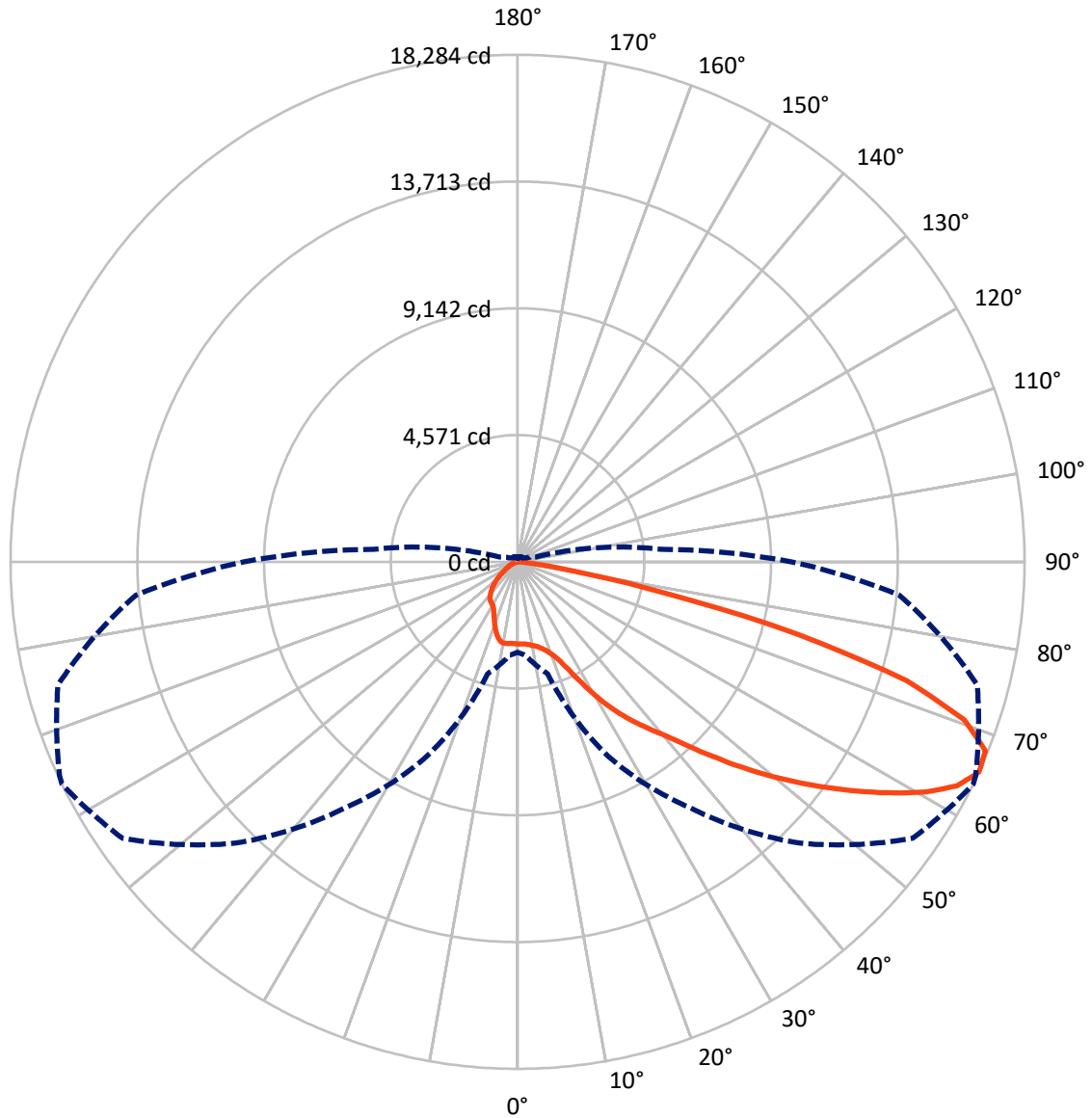
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

REPORT NUMBER: P848867
CATALOG NUMBER: GLAN-SB5C-850-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848867
 CATALOG NUMBER: GLAN-SB5C-850-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3406.9	0.0	3406.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22069.1	0.0	22069.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	25476.0	0.0	25476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	1.1
10°-20°	741.5	2.9
20°-30°	1405.0	5.5
30°-40°	2843.1	11.2
40°-50°	4843.3	19.0
50°-60°	6586.5	25.9
60°-70°	6185.1	24.3
70°-80°	2478.0	9.7
80°-90°	120.0	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°	25476.0	100.0
0°-180°	25476.0	100.0

Coefficient of Utilization



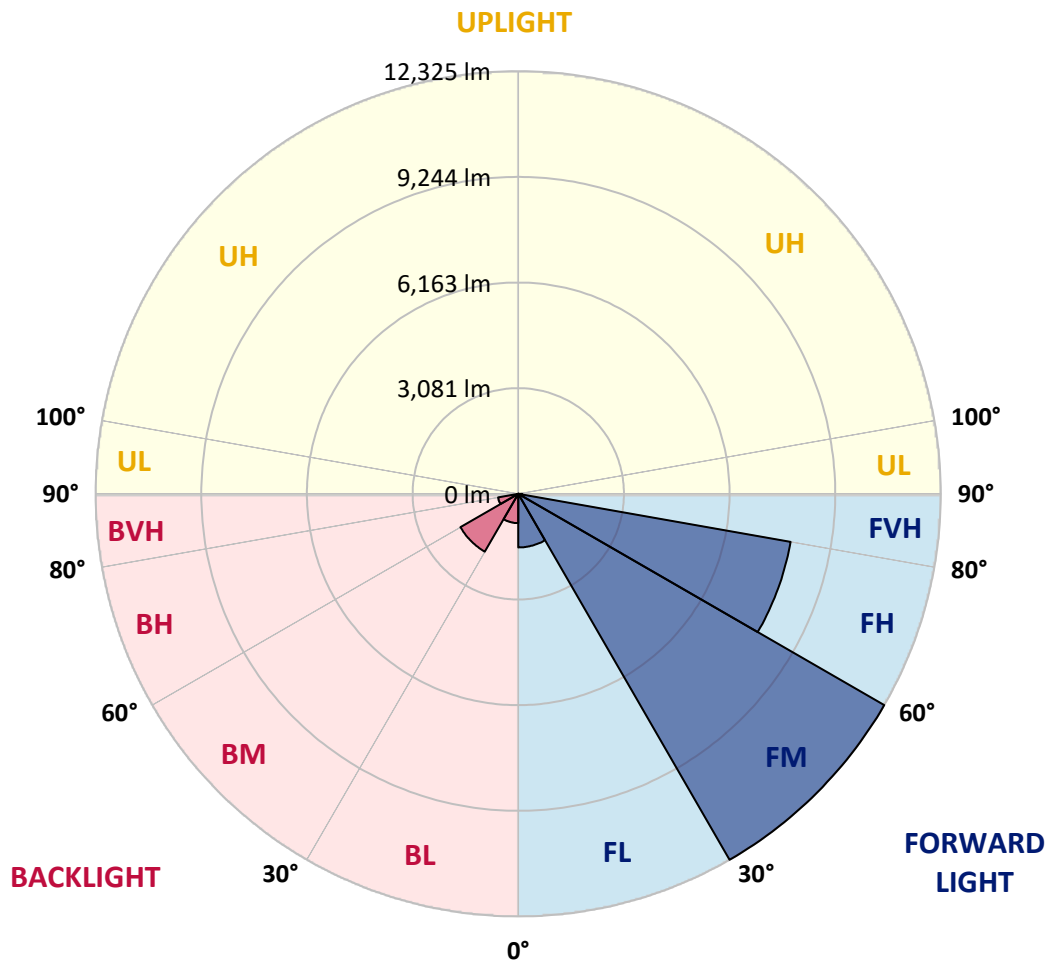
REPORT NUMBER: P848867
 CATALOG NUMBER: GLAN-SB5C-850-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1564.5	6.1			
FM (30°-60°)	12325.3	48.4			
FH (60°-80°)	8065.1	31.7			G4/12000
FVH (80°-90°)	114.2	0.4			G2/225
BL (0°-30°)	855.4	3.4	B2/1000		
BM (30°-60°)	1947.7	7.6	B2/2500		
BH (60°-80°)	598.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.9	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-G4

Type III Short



REPORT NUMBER: P848867
 CATALOG NUMBER: GLAN-SB5C-850-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1
2.5°	2952.9	2973.4	2968.2	2963.1	2961.4	2964.8	2966.5	2964.8	2964.8	2964.8
5°	2896.5	2913.6	2913.6	2925.6	2942.6	2963.1	2978.5	2981.9	2985.3	2990.4
7.5°	2788.9	2802.6	2812.8	2852.1	2894.8	2949.5	2995.6	3019.5	3022.9	3041.7
10°	2715.5	2732.6	2749.6	2790.6	2852.1	2934.1	3012.7	3070.7	3079.3	3123.7
12.5°	2712.1	2729.1	2751.3	2795.8	2867.5	2954.6	3050.2	3133.9	3149.3	3214.2
15°	2747.9	2768.4	2788.9	2843.6	2920.4	3026.3	3128.8	3233.0	3248.3	3340.6
17.5°	2821.4	2848.7	2864.1	2918.7	3000.7	3118.5	3253.5	3373.0	3386.7	3494.3
20°	2966.5	2999.0	3004.1	3048.5	3128.8	3255.2	3415.7	3564.3	3581.4	3704.3
22.5°	3267.1	3313.2	3272.2	3294.4	3366.2	3492.6	3666.8	3854.6	3878.5	4018.6
25°	3796.6	3861.5	3755.6	3718.0	3748.7	3880.2	4098.8	4336.2	4363.6	4476.3
27.5°	4836.6	4753.0	4592.4	4435.3	4343.1	4418.2	4664.1	4957.9	4992.1	5101.4
30°	5979.2	5905.8	5688.9	5340.5	5121.8	5109.9	5337.0	5664.9	5704.2	5808.4
32.5°	7123.5	7053.4	6817.7	6389.1	6009.9	5822.1	5979.2	6343.0	6363.5	6430.1
35°	8248.9	8177.2	7941.5	7502.6	7036.4	6609.4	6578.6	6988.5	6995.4	7065.4
37.5°	9381.2	9321.5	9070.4	8640.0	8180.6	7591.4	7306.2	7599.9	7608.5	7676.8
40°	10189.0	10214.7	10042.2	9709.1	9314.6	8670.8	8122.5	8250.6	8199.4	8313.8
42.5°	10882.4	10933.7	10783.4	10616.0	10387.2	9820.1	9133.6	9111.4	9029.4	9090.9
45°	11481.9	11524.6	11389.7	11350.4	11345.3	10947.3	10238.6	10105.4	9990.9	9979.0
47.5°	11702.2	11784.2	11842.2	11973.8	12229.9	12062.6	11381.1	11174.5	11046.4	10952.5
50°	11785.9	11873.0	12071.1	12453.7	13059.9	13131.7	12518.6	12286.3	12129.2	11958.4
52.5°	11673.2	11828.6	12095.0	12738.9	13618.4	13989.0	13609.9	13406.6	13227.3	12948.9
55°	11008.8	11164.2	11709.0	12735.5	13896.8	14590.2	14641.4	14550.9	14349.4	13910.5
57.5°	9608.4	9838.9	10701.4	12301.7	13891.7	15107.7	15652.5	15717.4	15491.9	14863.4
60°	7668.3	7980.8	9032.8	11340.1	13463.0	15387.7	16538.8	16863.3	16624.2	15802.8
62.5°	5350.7	5712.8	6708.4	9833.8	12482.7	15186.2	17186.1	17785.6	17604.5	16643.0
65°	3263.7	3379.8	4182.5	7738.3	10815.8	14342.5	17385.9	18284.3	18224.5	17157.1
67.5°	2174.1	2271.4	2502.0	5306.3	8395.8	12656.9	16907.7	18197.2	18214.2	17073.4
70°	1309.9	1393.6	1543.9	3086.1	5441.2	10018.3	15427.0	17087.1	17186.1	15954.8
72.5°	539.7	596.0	732.7	1398.7	2818.0	6358.3	12284.6	14670.4	14901.0	13415.2
75°	305.7	334.7	430.4	701.9	1222.8	2963.1	7441.1	10414.5	10754.3	9246.3
77.5°	203.2	216.9	278.4	454.3	688.3	1011.0	3180.0	5425.8	6074.8	5050.1
80°	136.6	148.6	191.3	304.0	447.5	433.8	1012.8	2010.1	2473.0	1735.2
82.5°	92.2	93.9	136.6	199.8	283.5	210.1	298.9	625.1	785.6	502.1
85°	52.9	51.2	100.8	116.1	126.4	87.1	90.5	187.9	245.9	211.8
87.5°	6.8	10.2	39.3	30.7	17.1	18.8	18.8	32.4	47.8	51.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848867
 CATALOG NUMBER: GLAN-SB5C-850-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2963.1	0°	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1	2963.1
2966.5	2.5°	2966.5	2964.8	2959.7	2954.6	2942.6	2935.8	2939.2	2935.8	2934.1	2935.8
2988.7	5°	2988.7	2983.6	2970.0	2952.9	2929.0	2899.9	2881.1	2853.8	2828.2	2812.8
3048.5	7.5°	3048.5	3043.4	3024.6	2976.8	2899.9	2778.7	2667.7	2570.3	2496.9	2454.2
3144.2	10°	3144.2	3135.6	3106.6	3000.7	2799.2	2534.5	2314.1	2131.4	2011.8	1955.5
3256.9	12.5°	3256.9	3246.6	3195.4	2978.5	2607.9	2194.6	1890.6	1687.4	1576.3	1526.8
3386.7	15°	3390.1	3376.4	3275.7	2872.6	2329.5	1818.9	1540.5	1388.5	1316.8	1272.3
3552.3	17.5°	3555.7	3531.8	3335.4	2713.8	2027.2	1531.9	1325.3	1210.9	1147.7	1105.0
3769.2	20°	3770.9	3731.7	3383.3	2524.2	1748.8	1350.9	1180.1	1084.5	1036.7	999.1
4076.6	22.5°	4071.5	4015.2	3441.3	2319.3	1552.4	1226.2	1072.5	1002.5	963.2	920.5
4505.3	25°	4443.8	4377.2	3513.1	2129.7	1417.5	1118.6	994.0	935.9	889.8	840.3
5067.2	27.5°	4964.7	4845.2	3598.4	1974.3	1301.4	1026.4	922.2	857.3	804.4	763.4
5704.2	30°	5545.4	5349.0	3673.6	1880.3	1195.5	941.0	828.3	763.4	713.9	684.8
6276.4	32.5°	6095.3	5828.9	3723.1	1839.4	1099.9	843.7	725.8	655.8	618.2	609.7
6836.5	35°	6614.5	6262.7	3718.0	1800.1	1014.5	746.3	625.1	553.3	524.3	529.4
7439.4	37.5°	7212.3	6725.5	3682.1	1738.6	944.4	657.5	538.0	474.8	449.2	450.9
8172.1	40°	7907.4	7260.1	3659.9	1622.5	867.6	575.5	466.2	415.0	396.2	389.4
8944.0	42.5°	8648.6	7777.6	3663.3	1491.0	771.9	502.1	416.7	374.0	356.9	351.8
9803.1	45°	9393.2	8271.1	3668.5	1354.3	671.2	445.7	380.9	345.0	334.7	327.9
10674.1	47.5°	10093.4	8691.3	3572.8	1207.5	572.1	403.1	351.8	327.9	319.4	310.8
11548.5	50°	10745.8	8971.3	3342.3	1036.7	493.6	368.9	329.6	312.5	304.0	295.5
12340.9	52.5°	11253.0	9015.8	2961.4	860.8	438.9	343.3	316.0	300.6	290.3	281.8
12981.4	55°	11478.5	8737.4	2420.0	696.8	396.2	321.1	302.3	286.9	275.0	266.4
13485.2	57.5°	11420.4	8151.6	1887.2	560.2	355.2	298.9	285.2	275.0	261.3	247.6
13893.4	60°	11135.2	7367.7	1422.6	466.2	317.7	275.0	266.4	257.9	239.1	218.6
14050.5	62.5°	10641.6	6382.2	1014.5	386.0	276.7	247.6	244.2	237.4	210.1	172.5
13818.2	65°	9886.8	5185.0	683.1	321.1	237.4	216.9	218.6	206.7	170.8	128.1
12967.7	67.5°	8783.5	3791.4	437.2	263.0	198.1	181.0	182.7	175.9	145.2	109.3
11355.5	70°	7377.9	2510.5	285.2	199.8	158.8	140.0	150.3	152.0	123.0	88.8
8715.2	72.5°	5408.8	1482.4	199.8	148.6	116.1	97.3	123.0	126.4	99.1	66.6
5243.1	75°	3082.7	703.6	150.3	107.6	71.7	68.3	95.6	95.6	68.3	44.4
2269.7	77.5°	1294.6	293.8	105.9	70.0	41.0	39.3	64.9	59.8	34.2	20.5
553.3	80°	374.0	131.5	56.4	34.2	17.1	15.4	25.6	18.8	8.5	3.4
210.1	82.5°	146.9	58.1	22.2	13.7	6.8	6.8	3.4	0.0	0.0	0.0
119.5	85°	87.1	23.9	10.2	5.1	1.7	0.0	0.0	0.0	0.0	0.0
25.6	87.5°	22.2	5.1	3.4	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°
2963.1
2942.6
2816.2
2455.9
1950.4
1521.7
1274.1
1101.6
992.3
913.7
835.1
754.9
679.7
614.8
529.4
457.7
387.7
350.1
327.9
310.8
295.5
280.1
264.7
245.9
215.2
169.1
124.7
104.2
85.4
63.2
41.0
20.5
3.4
0.0
0.0
0.0
0.0

F REPORT)