

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: P851767

Luminaire Tested: **GLAN-SB9D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851767
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-SB9D-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA 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: 46812 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

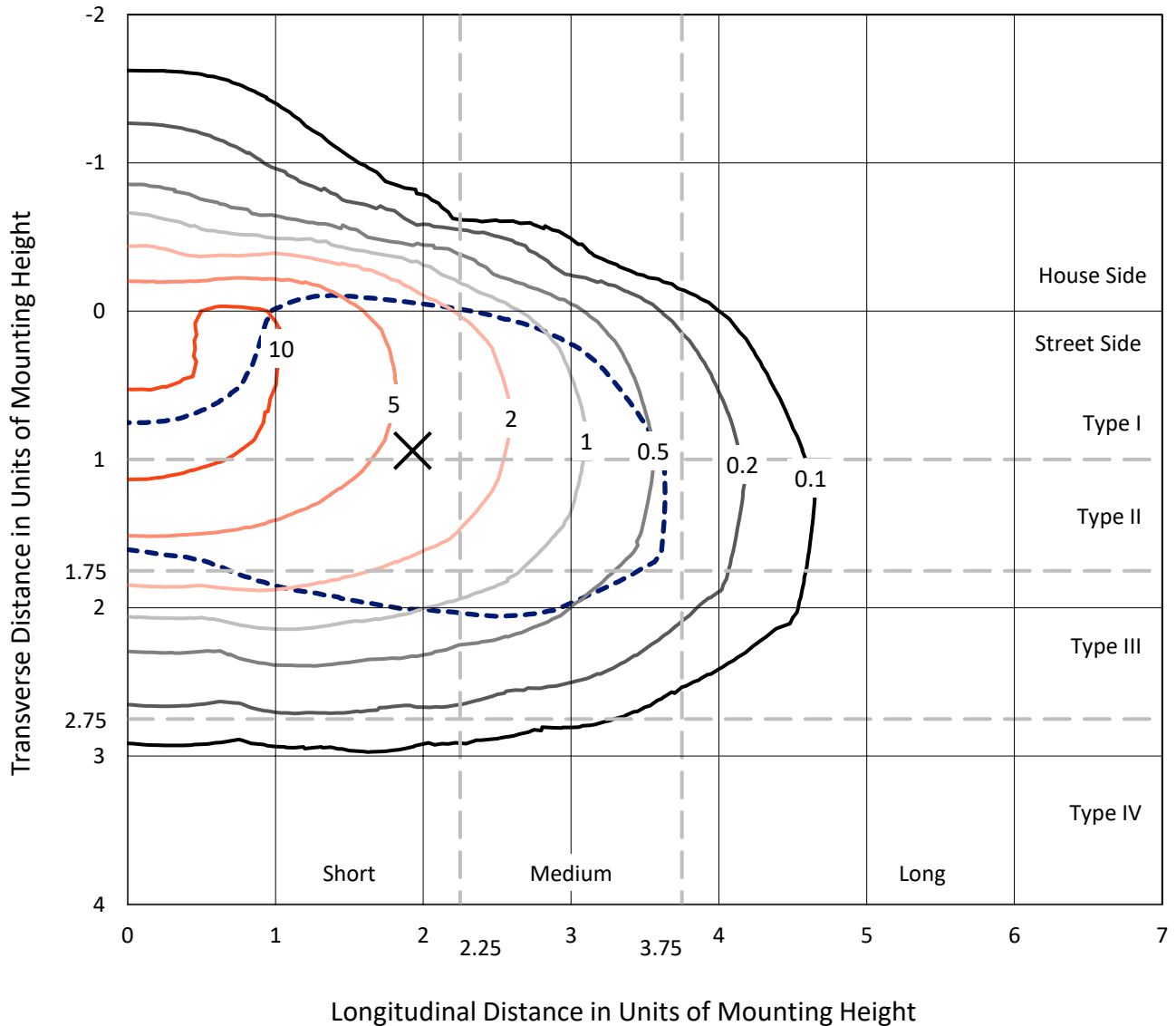
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851767
 CATALOG NUMBER: GLAN-SB9D-927-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

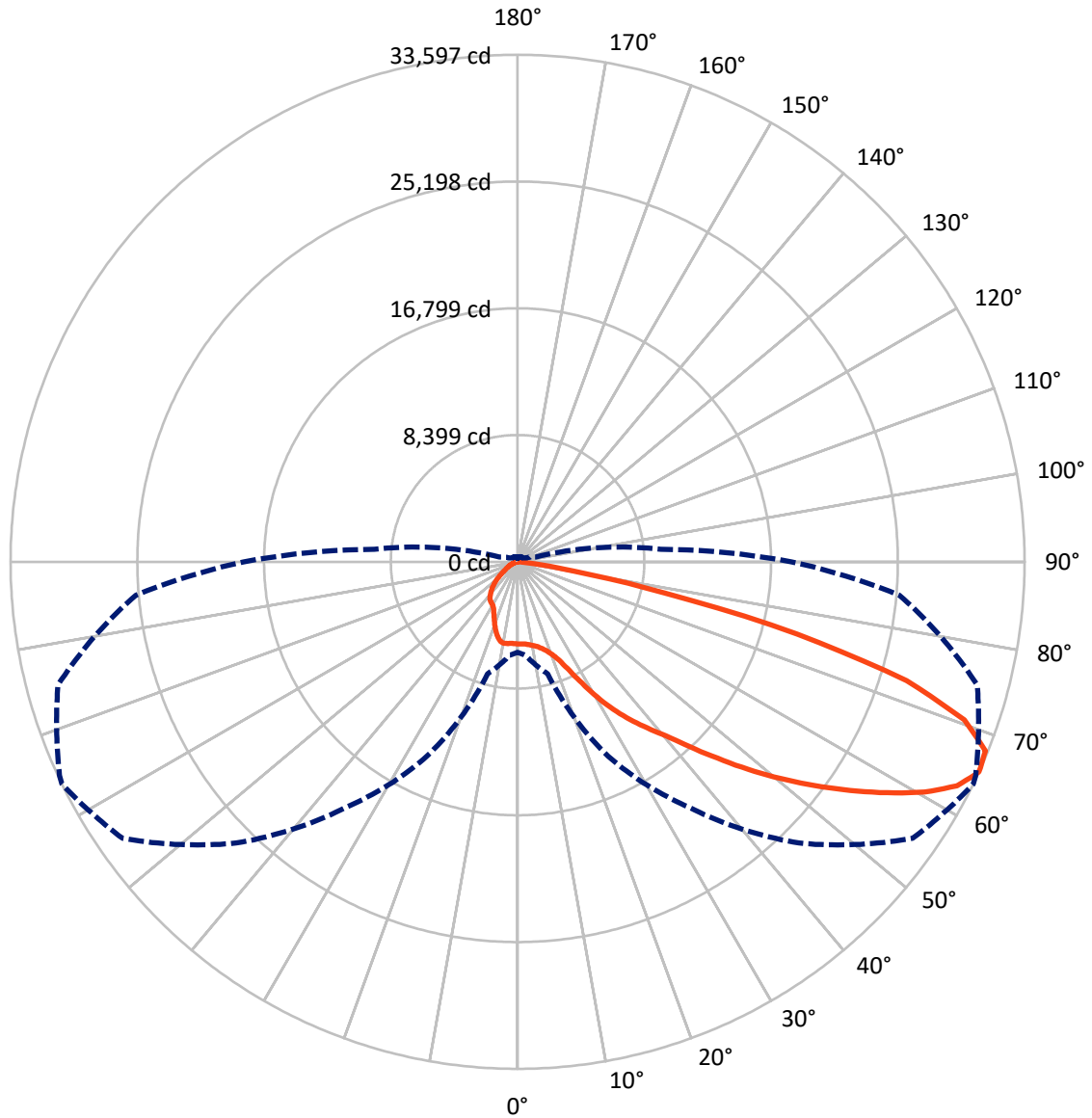
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Short - N/A

REPORT NUMBER: P851767
CATALOG NUMBER: GLAN-SB9D-927-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851767
 CATALOG NUMBER: GLAN-SB9D-927-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6260.2	0.0	6260.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	40551.8	0.0	40551.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	46812.0	0.0	46812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.3	1.1
10°-20°	1362.5	2.9
20°-30°	2581.7	5.5
30°-40°	5224.2	11.2
40°-50°	8899.6	19.0
50°-60°	12102.7	25.9
60°-70°	11365.0	24.3
70°-80°	4553.3	9.7
80°-90°	220.6	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°	46812.0	100.0
0°-180°	46812.0	100.0

Coefficient of Utilization



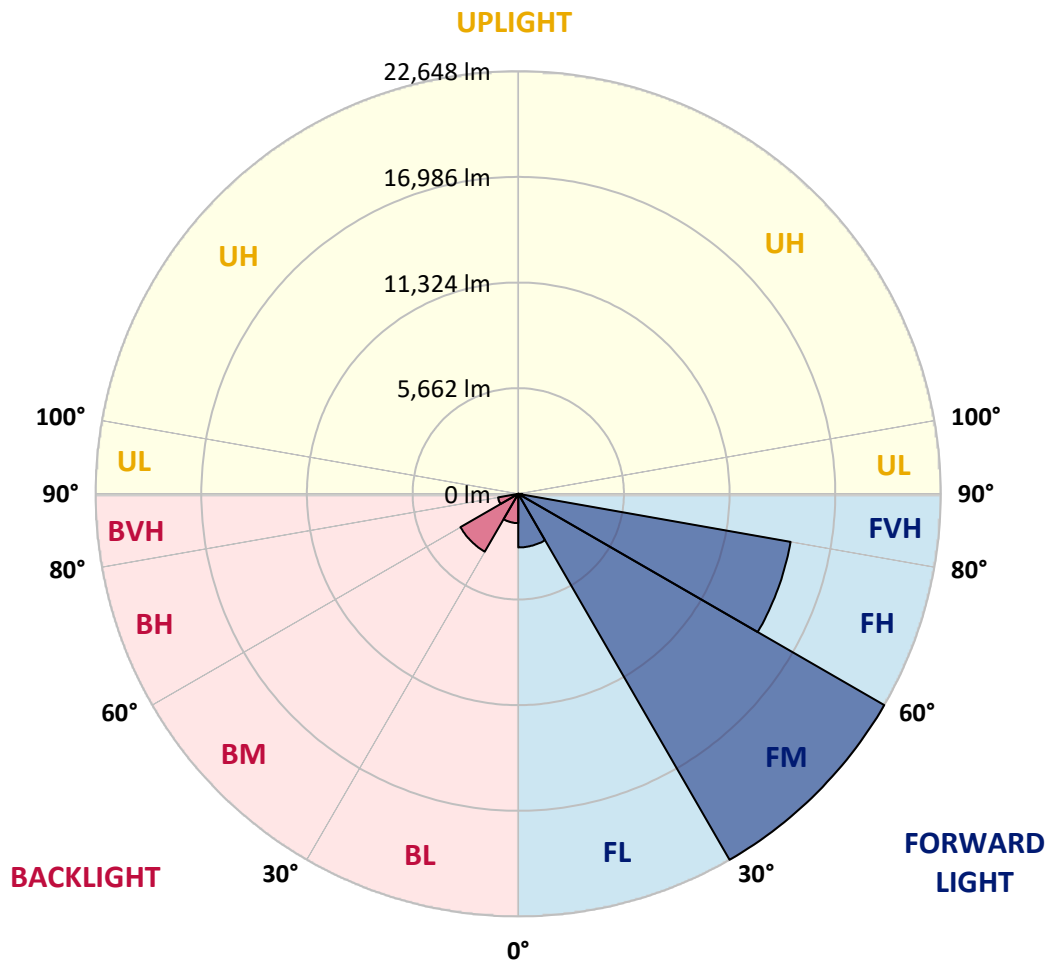
REPORT NUMBER: P851767
 CATALOG NUMBER: GLAN-SB9D-927-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2874.8	6.1			
FM (30°-60°)	22647.6	48.4			
FH (60°-80°)	14819.6	31.7			G5
FVH (80°-90°)	209.8	0.4			G2/225
BL (0°-30°)	1571.7	3.4	B3/2500		
BM (30°-60°)	3578.9	7.6	B3/5000		
BH (60°-80°)	1098.8	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.8	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



REPORT NUMBER: P851767
 CATALOG NUMBER: GLAN-SB9D-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7
2.5°	5425.9	5463.6	5454.1	5444.7	5441.6	5447.9	5451.0	5447.9	5447.9	5447.9
5°	5322.3	5353.7	5353.7	5375.7	5407.1	5444.7	5473.0	5479.2	5485.5	5494.9
7.5°	5124.6	5149.7	5168.6	5240.7	5319.2	5419.6	5504.3	5548.3	5554.6	5589.1
10°	4989.7	5021.1	5052.5	5127.8	5240.7	5391.4	5535.7	5642.4	5658.1	5739.7
12.5°	4983.4	5014.8	5055.6	5137.2	5269.0	5429.0	5604.8	5758.5	5786.8	5906.0
15°	5049.3	5087.0	5124.6	5225.0	5366.3	5560.8	5749.1	5940.6	5968.8	6138.3
17.5°	5184.3	5234.5	5262.7	5363.1	5513.8	5730.3	5978.2	6197.9	6223.0	6420.7
20°	5451.0	5510.6	5520.0	5601.6	5749.1	5981.3	6276.3	6549.4	6580.7	6806.7
22.5°	6003.3	6088.0	6012.7	6053.5	6185.3	6417.6	6737.6	7082.8	7126.8	7384.1
25°	6976.1	7095.4	6900.8	6831.8	6888.3	7129.9	7531.6	7967.8	8018.0	8225.1
27.5°	8887.3	8733.5	8438.5	8149.8	7980.4	8118.4	8570.3	9110.1	9172.9	9373.7
30°	10986.7	10851.8	10453.2	9813.1	9411.4	9389.4	9806.8	10409.3	10481.5	10672.9
32.5°	13089.3	12960.6	12527.6	11739.9	11043.2	10698.0	10986.7	11655.2	11692.8	11815.2
35°	15157.4	15025.5	14592.5	13786.0	12929.3	12144.7	12088.2	12841.4	12853.9	12982.6
37.5°	17238.0	17128.1	16666.8	15876.0	15031.8	13949.2	13425.1	13964.8	13980.5	14106.1
40°	18722.3	18769.4	18452.4	17840.5	17115.6	15932.5	14925.1	15160.5	15066.3	15276.6
42.5°	19996.4	20090.6	19814.4	19506.9	19086.3	18044.5	16782.9	16742.1	16591.5	16704.5
45°	21097.9	21176.4	20928.4	20856.3	20846.9	20115.7	18813.3	18568.5	18358.3	18336.3
47.5°	21502.7	21653.4	21760.1	22001.7	22472.4	22164.9	20912.8	20533.0	20297.7	20125.1
50°	21656.5	21816.5	22180.6	22883.5	23997.6	24129.4	23002.8	22576.0	22287.3	21973.5
52.5°	21449.4	21735.0	22224.5	23407.6	25023.8	25704.7	25008.1	24634.6	24305.1	23793.6
55°	20228.6	20514.2	21515.3	23401.3	25535.3	26809.4	26903.5	26737.2	26366.9	25560.4
57.5°	17655.3	18079.0	19663.8	22604.2	25525.9	27760.2	28761.3	28880.6	28466.3	27311.5
60°	14090.4	14664.7	16597.8	20837.4	24738.2	28274.9	30390.0	30986.3	30546.9	29037.5
62.5°	9831.9	10497.2	12326.7	18069.6	22936.9	27904.6	31579.4	32680.9	32348.2	30581.4
65°	5997.0	6210.4	7685.4	14219.0	19874.0	26354.3	31946.6	33597.2	33487.4	31526.0
67.5°	3994.9	4173.8	4597.4	9750.3	15427.2	23257.0	31067.9	33437.2	33468.6	31372.3
70°	2407.0	2560.7	2836.9	5670.7	9998.2	18408.5	28347.1	31397.4	31579.4	29316.8
72.5°	991.7	1095.2	1346.3	2570.2	5178.0	11683.4	22572.8	26956.9	27380.5	24650.3
75°	561.7	615.1	790.8	1289.8	2246.9	5444.7	13673.0	19136.5	19761.0	16990.0
77.5°	373.4	398.5	511.5	834.8	1264.7	1857.8	5843.3	9970.0	11162.5	9279.6
80°	251.1	273.0	351.5	558.6	822.2	797.1	1860.9	3693.6	4544.1	3188.4
82.5°	169.5	172.6	251.1	367.2	520.9	386.0	549.2	1148.6	1443.6	922.6
85°	97.3	94.1	185.2	213.4	232.2	160.0	166.3	345.2	451.9	389.1
87.5°	12.6	18.8	72.2	56.5	31.4	34.5	34.5	59.6	87.9	94.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851767
 CATALOG NUMBER: GLAN-SB9D-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5444.7	0°	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7	5444.7
5451.0	2.5°	5451.0	5447.9	5438.4	5429.0	5407.1	5394.5	5400.8	5394.5	5391.4	5394.5
5491.8	5°	5491.8	5482.4	5457.3	5425.9	5382.0	5328.6	5294.1	5243.9	5196.8	5168.6
5601.6	7.5°	5601.6	5592.2	5557.7	5469.8	5328.6	5105.8	4901.8	4722.9	4588.0	4509.5
5777.4	10°	5777.4	5761.7	5708.3	5513.8	5143.5	4657.0	4252.2	3916.4	3696.8	3593.2
5984.5	12.5°	5984.5	5965.7	5871.5	5473.0	4792.0	4032.5	3474.0	3100.5	2896.5	2805.5
6223.0	15°	6229.3	6204.2	6019.0	5278.4	4280.5	3342.1	2830.6	2551.3	2419.5	2337.9
6527.4	17.5°	6533.7	6489.7	6128.8	4986.5	3725.0	2814.9	2435.2	2225.0	2108.8	2030.4
6925.9	20°	6929.1	6856.9	6216.7	4638.2	3213.5	2482.3	2168.5	1992.7	1904.9	1835.8
7490.8	22.5°	7481.4	7377.8	6323.4	4261.6	2852.6	2253.2	1970.8	1842.1	1769.9	1691.5
8278.5	25°	8165.5	8043.1	6455.2	3913.3	2604.7	2055.5	1826.4	1719.7	1635.0	1544.0
9310.9	27.5°	9122.7	8903.0	6612.1	3627.7	2391.3	1886.0	1694.6	1575.4	1478.1	1402.8
10481.5	30°	10189.6	9828.7	6750.2	3455.1	2196.7	1729.1	1522.0	1402.8	1311.8	1258.4
11532.8	32.5°	11200.1	10710.6	6841.2	3379.8	2021.0	1550.3	1333.7	1205.1	1136.0	1120.3
12562.1	35°	12154.1	11507.7	6831.8	3307.6	1864.1	1371.4	1148.6	1016.8	963.4	972.8
13669.9	37.5°	13252.5	12358.1	6765.9	3194.7	1735.4	1208.2	988.5	872.4	825.3	828.5
15016.1	40°	14529.7	13340.4	6725.1	2981.3	1594.2	1057.6	856.7	762.6	728.1	715.5
16434.6	42.5°	15891.7	14291.2	6731.4	2739.6	1418.5	922.6	765.7	687.3	655.9	646.5
18013.1	45°	17259.9	15198.1	6740.8	2488.6	1233.3	819.1	699.8	633.9	615.1	602.5
19613.6	47.5°	18546.6	15970.1	6565.0	2218.7	1051.3	740.6	646.5	602.5	586.8	571.1
21220.3	50°	19745.4	16484.8	6141.4	1904.9	906.9	677.8	605.7	574.3	558.6	542.9
22676.4	52.5°	20677.4	16566.4	5441.6	1581.6	806.5	630.8	580.6	552.3	533.5	517.8
23853.2	55°	21091.6	16054.9	4446.8	1280.4	728.1	590.0	555.5	527.2	505.2	489.6
24779.0	57.5°	20984.9	14978.5	3467.7	1029.3	652.7	549.2	524.1	505.2	480.1	455.0
25529.0	60°	20460.9	13538.1	2614.1	856.7	583.7	505.2	489.6	473.9	439.3	401.7
25817.7	62.5°	19553.9	11727.3	1864.1	709.2	508.4	455.0	448.8	436.2	386.0	317.0
25390.9	65°	18166.9	9527.5	1255.3	590.0	436.2	398.5	401.7	379.7	313.8	235.4
23828.1	67.5°	16139.6	6966.7	803.4	483.3	364.0	332.6	335.8	323.2	266.7	200.8
20865.7	70°	13556.9	4613.1	524.1	367.2	291.8	257.3	276.2	279.3	225.9	163.2
16014.1	72.5°	9938.6	2723.9	367.2	273.0	213.4	178.9	225.9	232.2	182.0	122.4
9634.2	75°	5664.4	1292.9	276.2	197.7	131.8	125.5	175.7	175.7	125.5	81.6
4170.6	77.5°	2378.7	539.8	194.6	128.7	75.3	72.2	119.3	109.8	62.8	37.7
1016.8	80°	687.3	241.6	103.6	62.8	31.4	28.2	47.1	34.5	15.7	6.3
386.0	82.5°	269.9	106.7	40.8	25.1	12.6	12.6	6.3	0.0	0.0	0.0
219.7	85°	160.0	43.9	18.8	9.4	3.1	0.0	0.0	0.0	0.0	0.0
47.1	87.5°	40.8	9.4	6.3	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°
5444.7
5407.1
5174.8
4512.7
3583.8
2796.1
2341.1
2024.1
1823.3
1678.9
1534.6
1387.1
1249.0
1129.7
972.8
841.0
712.4
643.3
602.5
571.1
542.9
514.7
486.4
451.9
395.4
310.7
229.1
191.4
156.9
116.1
75.3
37.7
6.3
0.0
0.0
0.0
0.0

F REPORT)