

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: P851777

Luminaire Tested: **GLAN-SB9D-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851777
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-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 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: 49042 lumens
Efficiency: N/A
Efficacy: 74.5 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

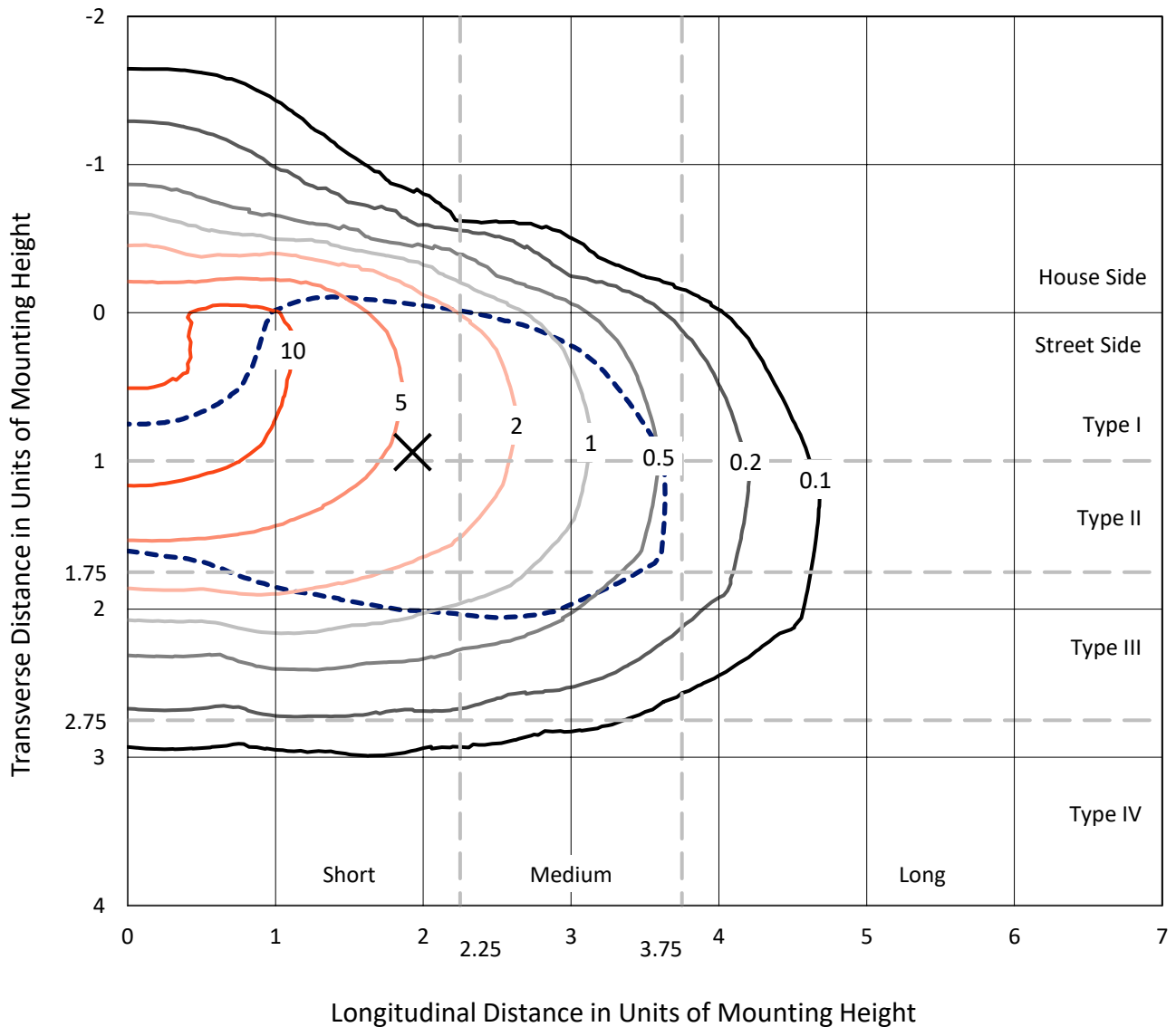
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851777
 CATALOG NUMBER: GLAN-SB9D-930-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

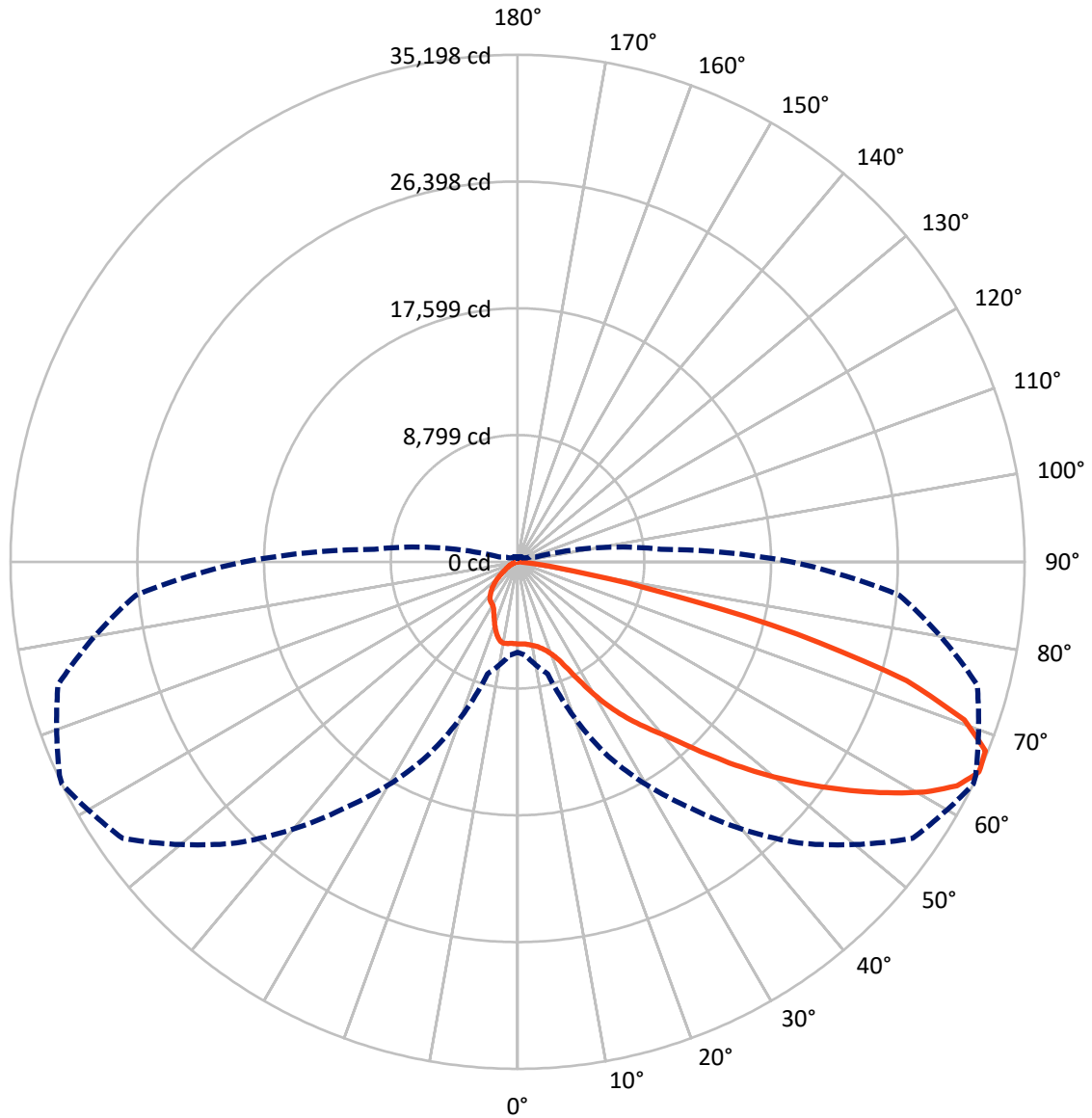
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc
 Type III - Short - N/A

REPORT NUMBER: P851777
CATALOG NUMBER: GLAN-SB9D-930-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851777
 CATALOG NUMBER: GLAN-SB9D-930-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6558.4	0.0	6558.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	42483.6	0.0	42483.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	49042.0	0.0	49042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.3	1.1
10°-20°	1427.4	2.9
20°-30°	2704.7	5.5
30°-40°	5473.1	11.2
40°-50°	9323.5	19.0
50°-60°	12679.2	25.9
60°-70°	11906.4	24.3
70°-80°	4770.2	9.7
80°-90°	231.1	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°	49042.0	100.0
0°-180°	49042.0	100.0

Coefficient of Utilization



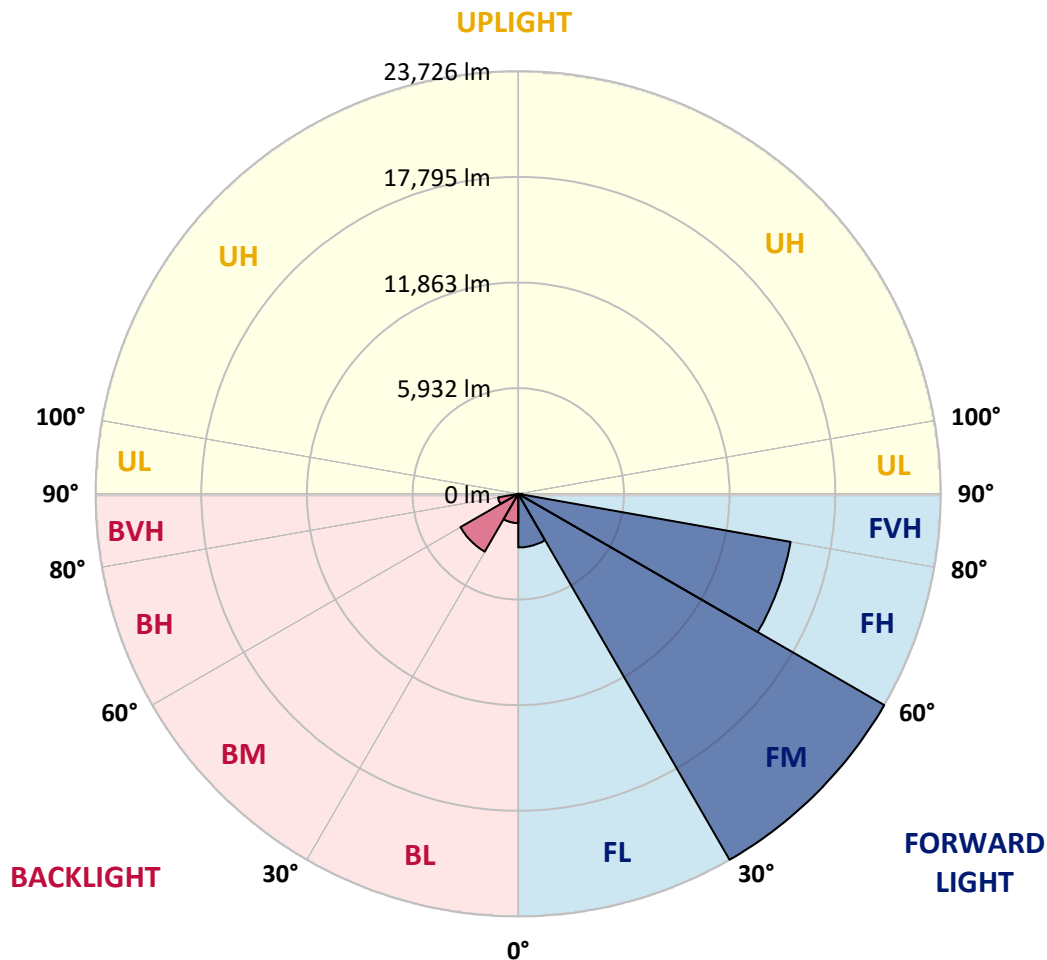
REPORT NUMBER: P851777
 CATALOG NUMBER: GLAN-SB9D-930-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3011.7	6.1			
FM (30°-60°)	23726.5	48.4			
FH (60°-80°)	15525.6	31.7			G5
FVH (80°-90°)	219.8	0.4			G2/225
BL (0°-30°)	1646.6	3.4	B3/2500		
BM (30°-60°)	3749.4	7.6	B3/5000		
BH (60°-80°)	1151.1	2.3	B3/2500		G3/2500
BVH (80°-90°)	11.3	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: P851777
 CATALOG NUMBER: GLAN-SB9D-930-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1
2.5°	5684.4	5723.8	5714.0	5704.1	5700.8	5707.4	5710.7	5707.4	5707.4	5707.4
5°	5575.9	5608.8	5608.8	5631.8	5664.6	5704.1	5733.7	5740.3	5746.8	5756.7
7.5°	5368.8	5395.1	5414.8	5490.4	5572.6	5677.8	5766.6	5812.6	5819.2	5855.3
10°	5227.4	5260.3	5293.1	5372.0	5490.4	5648.2	5799.4	5911.2	5927.7	6013.1
12.5°	5220.8	5253.7	5296.4	5381.9	5520.0	5687.7	5871.8	6032.9	6062.4	6187.4
15°	5289.8	5329.3	5368.8	5474.0	5621.9	5825.7	6023.0	6223.5	6253.1	6430.7
17.5°	5431.2	5483.8	5513.4	5618.6	5776.4	6003.3	6263.0	6493.1	6519.4	6726.6
20°	5710.7	5773.1	5783.0	5868.5	6023.0	6266.3	6575.3	6861.4	6894.2	7130.9
22.5°	6289.3	6378.1	6299.2	6341.9	6480.0	6723.3	7058.6	7420.3	7466.3	7735.9
25°	7308.5	7433.4	7229.6	7157.2	7216.4	7469.6	7890.4	8347.4	8400.0	8617.0
27.5°	9310.7	9149.6	8840.5	8538.1	8360.5	8505.2	8978.6	9544.1	9609.8	9820.2
30°	11510.1	11368.7	10951.2	10280.5	9859.7	9836.7	10273.9	10905.2	10980.8	11181.3
32.5°	13712.8	13578.0	13124.3	12299.1	11569.3	11207.6	11510.1	12210.4	12249.8	12378.0
35°	15879.4	15741.3	15287.6	14442.7	13545.2	12723.3	12664.1	13453.1	13466.3	13601.1
37.5°	18059.1	17944.1	17460.8	16632.3	15747.9	14613.7	14064.6	14630.1	14646.5	14778.0
40°	19614.2	19663.5	19331.5	18690.4	17930.9	16691.5	15636.1	15882.7	15784.1	16004.3
42.5°	20949.0	21047.6	20758.3	20436.1	19995.6	18904.1	17582.4	17539.7	17381.9	17500.2
45°	22103.0	22185.1	21925.4	21849.8	21839.9	21073.9	19709.5	19453.1	19232.8	19209.8
47.5°	22527.1	22684.9	22796.6	23049.8	23542.9	23220.8	21909.0	21511.2	21264.6	21083.8
50°	22688.2	22855.8	23237.2	23973.6	25140.8	25278.8	24098.6	23651.4	23349.0	23020.2
52.5°	22471.2	22770.3	23283.2	24522.7	26215.8	26929.2	26199.4	25808.1	25462.9	24927.1
55°	21192.3	21491.4	22540.2	24516.1	26751.7	28086.5	28185.1	28010.9	27622.9	26778.0
57.5°	18496.4	18940.2	20600.5	23681.0	26741.8	29082.7	30131.4	30256.4	29822.4	28612.5
60°	14761.6	15363.2	17388.4	21830.1	25916.6	29621.8	31837.7	32462.4	32002.1	30420.7
62.5°	10300.2	10997.2	12913.9	18930.4	24029.5	29233.9	33083.7	34237.7	33889.2	32038.3
65°	6282.7	6506.3	8051.5	14896.4	20820.8	27609.8	33468.4	35197.7	35082.6	33027.9
67.5°	4185.2	4372.6	4816.4	10214.8	16162.1	24364.9	32547.9	35030.0	35062.9	32866.8
70°	2521.6	2682.7	2972.0	5940.8	10474.5	19285.4	29697.5	32893.1	33083.7	30713.3
72.5°	1038.9	1147.4	1410.4	2692.6	5424.6	12240.0	23648.2	28241.0	28684.9	25824.6
75°	588.5	644.4	828.5	1351.2	2354.0	5704.1	14324.3	20048.2	20702.4	17799.4
77.5°	391.2	417.5	535.9	874.5	1324.9	1946.3	6121.6	10444.9	11694.2	9721.6
80°	263.0	286.0	368.2	585.2	861.4	835.1	1949.6	3869.6	4760.5	3340.3
82.5°	177.5	180.8	263.0	384.7	545.8	404.4	575.3	1203.3	1512.3	966.6
85°	101.9	98.6	194.0	223.6	243.3	167.7	174.2	361.6	473.4	407.7
87.5°	13.2	19.7	75.6	59.2	32.9	36.2	36.2	62.5	92.1	98.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851777
 CATALOG NUMBER: GLAN-SB9D-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5704.1	0°	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1	5704.1
5710.7	2.5°	5710.7	5707.4	5697.5	5687.7	5664.6	5651.5	5658.1	5651.5	5648.2	5651.5
5753.4	5°	5753.4	5743.5	5717.2	5684.4	5638.3	5582.5	5546.3	5493.7	5444.4	5414.8
5868.5	7.5°	5868.5	5858.6	5822.4	5730.4	5582.5	5349.0	5135.3	4947.9	4806.6	4724.4
6052.6	10°	6052.6	6036.1	5980.3	5776.4	5388.5	4878.9	4454.8	4103.0	3872.9	3764.4
6269.6	12.5°	6269.6	6249.8	6151.2	5733.7	5020.3	4224.6	3639.4	3248.2	3034.5	2939.2
6519.4	15°	6526.0	6499.7	6305.7	5529.8	4484.4	3501.4	2965.5	2672.9	2534.8	2449.3
6838.3	17.5°	6844.9	6798.9	6420.8	5224.1	3902.5	2949.0	2551.2	2331.0	2209.3	2127.1
7255.9	20°	7259.2	7183.5	6512.9	4859.2	3366.6	2600.5	2271.8	2087.7	1995.6	1923.3
7847.6	22.5°	7837.8	7729.3	6624.6	4464.6	2988.5	2360.5	2064.7	1929.9	1854.2	1772.0
8672.9	25°	8554.5	8426.3	6762.7	4099.7	2728.8	2153.4	1913.4	1801.6	1712.9	1617.5
9754.5	27.5°	9557.2	9327.1	6927.1	3800.5	2505.2	1975.9	1775.3	1650.4	1548.5	1469.6
10980.8	30°	10675.0	10297.0	7071.8	3619.7	2301.4	1811.5	1594.5	1469.6	1374.2	1318.4
12082.2	32.5°	11733.7	11220.8	7167.1	3540.8	2117.3	1624.1	1397.3	1262.5	1190.1	1173.7
13160.5	35°	12733.1	12055.9	7157.2	3465.2	1952.9	1436.7	1203.3	1065.2	1009.3	1019.2
14321.1	37.5°	13883.8	12946.8	7088.2	3346.8	1818.1	1265.7	1035.6	914.0	864.7	867.9
15731.5	40°	15221.9	13975.9	7045.5	3123.3	1670.1	1107.9	897.5	798.9	762.7	749.6
17217.5	42.5°	16648.7	14972.0	7052.0	2870.1	1486.0	966.6	802.2	720.0	687.1	677.3
18871.2	45°	18082.1	15922.1	7061.9	2607.1	1292.1	858.1	733.1	664.1	644.4	631.2
20547.9	47.5°	19430.1	16730.9	6877.8	2324.4	1101.4	775.9	677.3	631.2	614.8	598.4
22231.2	50°	20686.0	17270.1	6434.0	1995.6	950.1	710.1	634.5	601.6	585.2	568.8
23756.6	52.5°	21662.4	17355.6	5700.8	1657.0	844.9	660.8	608.2	578.6	558.9	542.5
24989.5	55°	22096.4	16819.7	4658.6	1341.4	762.7	618.1	581.9	552.3	529.3	512.9
25959.4	57.5°	21984.6	15692.0	3632.9	1078.4	683.8	575.3	549.0	529.3	503.0	476.7
26745.1	60°	21435.6	14183.0	2738.6	897.5	611.5	529.3	512.9	496.4	460.3	420.8
27047.6	62.5°	20485.4	12286.0	1952.9	743.0	532.6	476.7	470.1	457.0	404.4	332.1
26600.5	65°	19032.3	9981.3	1315.1	618.1	457.0	417.5	420.8	397.8	328.8	246.6
24963.2	67.5°	16908.4	7298.6	841.6	506.3	381.4	348.5	351.8	338.6	279.5	210.4
21859.7	70°	14202.7	4832.9	549.0	384.7	305.8	269.6	289.3	292.6	236.7	171.0
16776.9	72.5°	10412.0	2853.7	384.7	286.0	223.6	187.4	236.7	243.3	190.7	128.2
10093.1	75°	5934.2	1354.5	289.3	207.1	138.1	131.5	184.1	184.1	131.5	85.5
4369.3	77.5°	2492.0	565.5	203.8	134.8	78.9	75.6	124.9	115.1	65.8	39.5
1065.2	80°	720.0	253.1	108.5	65.8	32.9	29.6	49.3	36.2	16.4	6.6
404.4	82.5°	282.7	111.8	42.7	26.3	13.2	13.2	6.6	0.0	0.0	0.0
230.1	85°	167.7	46.0	19.7	9.9	3.3	0.0	0.0	0.0	0.0	0.0
49.3	87.5°	42.7	9.9	6.6	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°
5704.1
5664.6
5421.4
4727.7
3754.5
2929.3
2452.6
2120.5
1910.1
1758.9
1607.7
1453.1
1308.5
1183.6
1019.2
881.1
746.3
674.0
631.2
598.4
568.8
539.2
509.6
473.4
414.2
325.5
240.0
200.5
164.4
121.6
78.9
39.5
6.6
0.0
0.0
0.0
0.0

F REPORT)