

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: P852956

Luminaire Tested: **GLAN-SB7C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25969 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

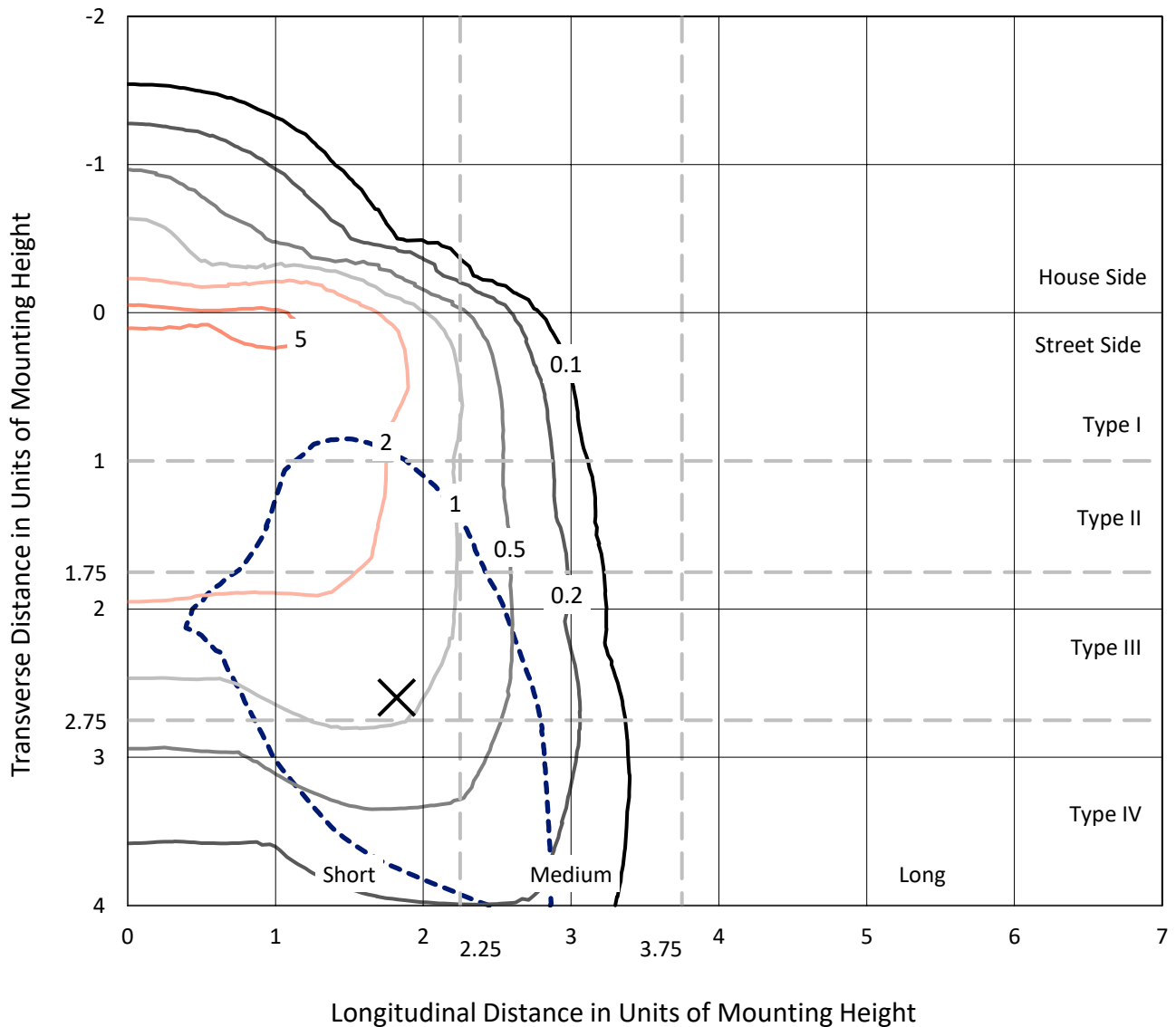
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852956
 CATALOG NUMBER: GLAN-SB7C-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

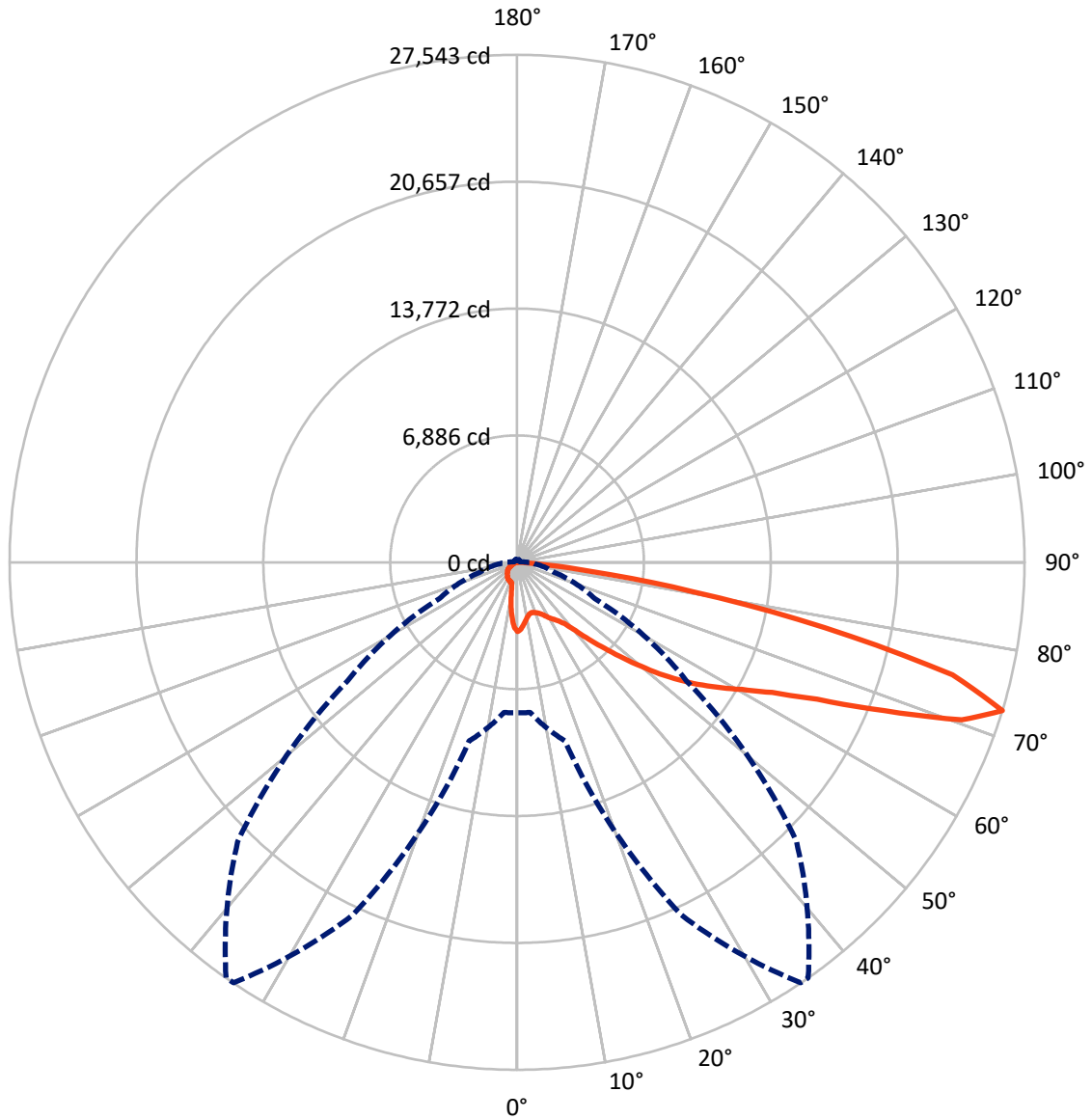
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

REPORT NUMBER: P852956
CATALOG NUMBER: GLAN-SB7C-927-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852956
 CATALOG NUMBER: GLAN-SB7C-927-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2922.7	0.0	2922.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	23046.3	0.0	23046.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	25969.0	0.0	25969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.3	1.2
10°-20°	723.5	2.8
20°-30°	1175.4	4.5
30°-40°	1961.1	7.6
40°-50°	3710.4	14.3
50°-60°	5895.8	22.7
60°-70°	7293.5	28.1
70°-80°	4533.7	17.5
80°-90°	366.4	1.4
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°	25969.0	100.0
0°-180°	25969.0	100.0

Coefficient of Utilization



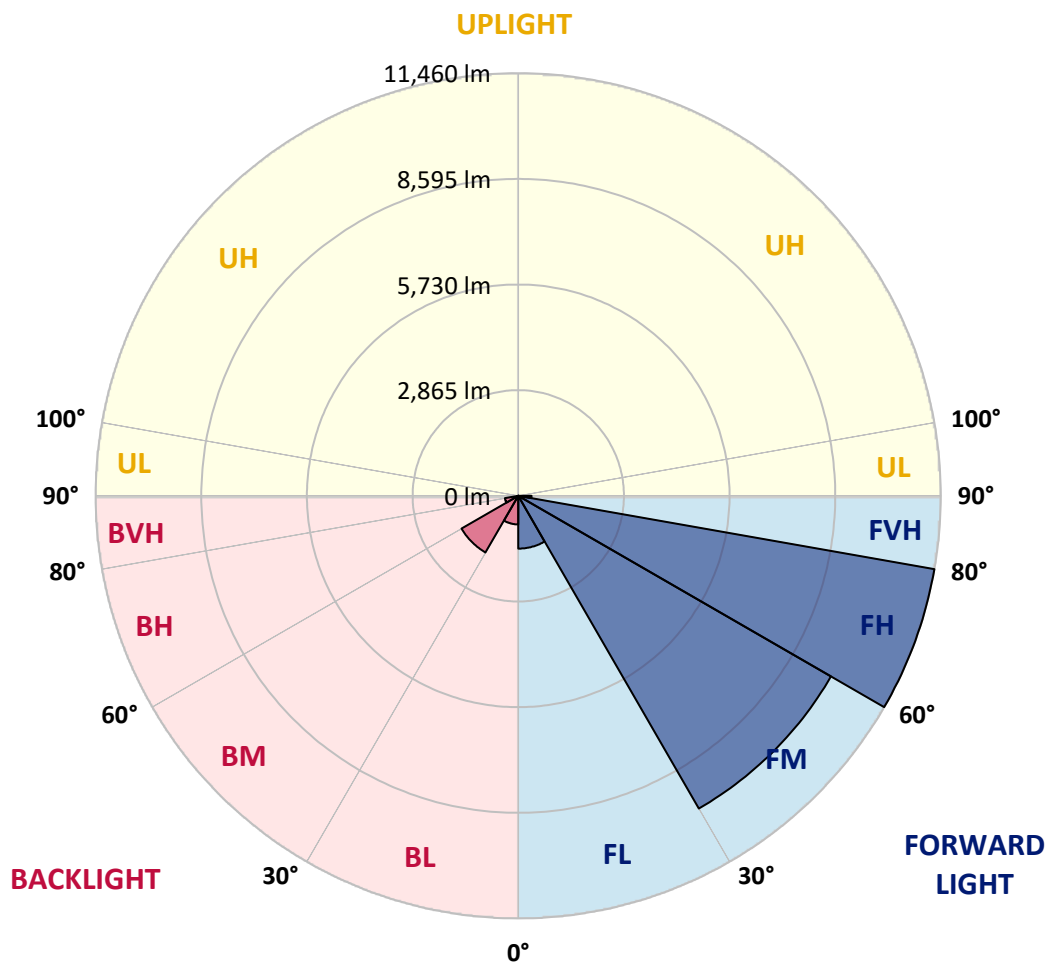
REPORT NUMBER: P852956
 CATALOG NUMBER: GLAN-SB7C-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1431.6	5.5			
FM (30°-60°)	9792.9	37.7			
FH (60°-80°)	11460.4	44.1			G4/12000
FVH (80°-90°)	361.4	1.4			G3/500
BL (0°-30°)	776.6	3.0	B2/1000		
BM (30°-60°)	1774.3	6.8	B2/2500		
BH (60°-80°)	366.8	1.4	B1/500		G1/500
BVH (80°-90°)	5.0	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 IV Short



REPORT NUMBER: P852956
 CATALOG NUMBER: GLAN-SB7C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8
2.5°	3596.3	3626.8	3632.5	3642.0	3642.0	3653.4	3672.4	3699.1	3742.8	3765.7
5°	3314.7	3337.5	3366.1	3388.9	3432.7	3438.4	3512.6	3584.9	3685.8	3761.9
7.5°	3031.2	3057.8	3095.9	3151.1	3208.2	3225.3	3337.5	3459.3	3619.2	3761.9
10°	2831.4	2833.3	2867.6	2922.7	3014.1	3035.0	3172.0	3345.2	3545.0	3739.0
12.5°	2719.1	2732.5	2747.7	2789.5	2877.1	2890.4	3036.9	3240.5	3470.7	3725.7
15°	2719.1	2728.6	2738.2	2759.1	2829.5	2840.9	2970.3	3173.9	3432.7	3731.4
17.5°	2747.7	2762.9	2755.3	2780.0	2854.2	2861.8	2976.0	3154.9	3430.8	3767.6
20°	2816.2	2827.6	2812.4	2827.6	2901.8	2917.0	3035.0	3191.0	3463.1	3830.4
22.5°	2924.6	2930.3	2894.2	2905.6	2981.7	3000.7	3137.8	3293.8	3541.1	3931.2
25°	3061.6	3073.1	3017.9	3031.2	3103.5	3126.3	3284.3	3447.9	3664.8	4070.1
27.5°	3219.6	3225.3	3177.7	3175.8	3269.0	3301.4	3461.2	3638.2	3830.4	4245.2
30°	3400.3	3417.5	3371.8	3364.2	3482.2	3508.8	3666.7	3872.2	4073.9	4507.8
32.5°	3543.1	3556.4	3529.7	3548.8	3668.6	3689.6	3916.0	4203.3	4456.4	4880.7
35°	3748.6	3756.2	3695.3	3729.5	3866.5	3919.8	4256.6	4667.6	4937.8	5348.8
37.5°	4492.6	4492.6	4233.8	4064.4	4195.7	4243.3	4722.8	5251.8	5531.5	5976.8
40°	5522.0	5504.9	5126.2	4779.9	4762.8	4856.0	5386.9	5988.2	6298.3	6730.3
42.5°	6619.9	6593.3	6077.6	5735.1	5678.0	5710.4	6153.7	6895.8	7211.7	7649.3
45°	7594.2	7586.5	7114.6	6654.2	6551.4	6654.2	7110.8	7957.6	8184.0	8644.5
47.5°	8410.5	8410.5	8066.1	7765.4	7712.1	7773.0	8406.7	9135.4	9114.5	9704.4
50°	9350.5	9342.8	9015.6	8886.2	8941.4	9027.0	9898.5	10376.1	10077.3	10745.2
52.5°	10008.8	10054.5	9942.2	9921.3	10202.9	10351.3	11413.1	11590.1	10939.3	11732.8
55°	10530.2	10583.5	10712.9	10859.4	11401.7	11595.8	12880.2	12741.3	11660.5	12589.1
57.5°	11268.5	11192.4	11392.2	11681.4	12558.6	12792.7	14301.6	13827.8	12240.8	13283.6
60°	12164.7	12176.1	12210.4	12575.7	13713.6	14014.3	15702.1	14855.3	12613.8	13709.8
62.5°	13241.7	13258.9	13329.3	13890.6	15264.4	15547.9	17193.9	15696.4	12785.1	13589.9
65°	13167.5	13239.8	14025.7	15945.6	17622.0	17901.7	18935.0	16286.2	12526.3	12493.9
67.5°	11995.4	12113.4	13428.2	18400.3	21176.5	21488.6	21039.5	16402.3	11409.3	9715.8
70°	10457.9	10499.8	12081.0	20607.5	25292.3	25608.2	22923.3	15125.5	8657.8	5419.2
72.5°	8166.9	8176.4	10031.7	21119.4	27526.2	27543.3	21444.8	11228.5	4656.2	2081.7
75°	5834.0	5777.0	6718.9	17127.3	24217.2	24411.3	16076.9	5267.0	1779.1	983.8
77.5°	3128.2	3191.0	3801.8	10157.3	16729.6	17060.7	8772.0	1518.5	905.7	669.8
80°	966.6	1019.9	1558.4	4650.5	9476.0	9675.8	3251.9	675.5	631.7	477.6
82.5°	304.5	315.9	726.9	1954.2	3933.1	4024.5	941.9	382.5	431.9	315.9
85°	87.5	89.4	323.5	728.8	972.3	991.4	264.5	148.4	247.4	196.0
87.5°	9.5	30.4	121.8	121.8	85.6	83.7	28.5	32.3	70.4	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852956
 CATALOG NUMBER: GLAN-SB7C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3763.8	0°	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8	3763.8
3780.9	2.5°	3771.4	3773.3	3748.6	3706.7	3661.0	3623.0	3575.4	3537.3	3510.7	3503.1
3815.2	5°	3798.0	3784.7	3714.3	3586.8	3434.6	3303.3	3156.8	3040.7	2964.6	2932.2
3851.3	7.5°	3838.0	3799.9	3645.8	3394.6	3103.5	2844.7	2582.1	2378.5	2249.1	2184.4
3885.6	10°	3872.2	3796.1	3531.6	3116.8	2671.6	2279.6	1925.7	1680.2	1543.2	1478.5
3925.5	12.5°	3904.6	3794.2	3383.2	2787.6	2184.4	1704.9	1375.7	1254.0	1215.9	1202.6
3990.2	15°	3965.5	3799.9	3196.7	2410.9	1699.2	1288.2	1168.3	1166.4	1174.0	1170.2
4089.2	17.5°	4049.2	3805.6	2985.5	2011.3	1311.0	1136.0	1130.3	1147.4	1158.8	1153.1
4212.8	20°	4157.7	3828.5	2761.0	1615.5	1126.5	1097.9	1111.2	1126.5	1136.0	1126.5
4378.4	22.5°	4309.9	3868.4	2515.5	1297.7	1067.5	1075.1	1086.5	1103.6	1113.1	1099.8
4589.6	25°	4496.4	3931.2	2273.9	1128.4	1038.9	1048.5	1065.6	1084.6	1096.0	1082.7
4856.0	27.5°	4738.0	4032.1	2051.2	1090.3	1010.4	1016.1	1040.8	1069.4	1084.6	1067.5
5234.7	30°	5088.1	4197.6	1859.1	1107.4	993.3	980.0	1014.2	1054.2	1071.3	1056.1
5750.3	32.5°	5552.4	4431.7	1741.1	1134.1	985.7	938.1	970.4	1021.8	1050.4	1040.8
6423.9	35°	6161.3	4787.5	1695.4	1164.5	980.0	894.3	917.2	972.3	1021.8	1031.3
7272.6	37.5°	6899.6	5282.2	1708.7	1177.8	962.8	858.2	869.6	917.2	981.9	1012.3
8227.8	40°	7738.8	5858.8	1784.8	1164.5	943.8	827.7	829.6	865.8	922.9	968.5
9255.3	42.5°	8604.6	6532.4	1925.7	1115.1	926.7	801.1	795.4	820.1	858.2	890.5
10280.9	45°	9428.5	7225.0	2064.6	1046.6	905.7	774.4	761.1	770.6	778.3	791.6
11279.9	47.5°	10147.7	7712.1	2024.6	983.8	877.2	744.0	721.2	717.4	694.5	692.6
12172.3	50°	10644.4	7818.7	1798.2	921.0	835.3	709.8	673.6	650.8	610.8	591.8
12840.2	52.5°	10802.3	7398.2	1469.0	858.2	766.8	664.1	612.7	576.6	527.1	510.0
13224.6	55°	10593.0	6574.2	1174.0	782.1	671.7	603.2	546.1	498.5	458.6	437.6
13266.5	57.5°	10081.1	5525.8	928.6	692.6	570.8	534.7	477.6	430.0	395.8	374.9
12802.2	60°	9232.5	4387.9	734.5	586.1	487.1	460.5	401.5	371.0	340.6	315.9
11603.4	62.5°	7944.3	3132.0	576.6	464.3	407.2	376.8	342.5	319.7	283.5	249.3
9447.5	65°	6199.4	1916.1	445.3	340.6	327.3	312.1	291.1	270.2	226.4	192.2
6163.2	67.5°	3910.3	907.6	317.8	256.9	258.8	251.2	241.7	224.5	192.2	161.7
2761.0	70°	1722.1	439.6	209.3	196.0	192.2	192.2	199.8	194.1	163.6	135.1
959.0	72.5°	586.1	235.9	156.0	148.4	138.9	137.0	167.4	161.7	131.3	104.7
477.6	75°	306.4	157.9	114.2	106.6	83.7	100.8	133.2	125.6	93.2	68.5
315.9	77.5°	199.8	112.3	78.0	68.5	47.6	66.6	98.9	87.5	55.2	34.3
207.4	80°	125.6	74.2	45.7	32.3	22.8	36.2	53.3	38.1	20.9	7.6
121.8	82.5°	66.6	38.1	17.1	11.4	9.5	11.4	13.3	9.5	3.8	0.0
62.8	85°	26.6	13.3	5.7	3.8	1.9	0.0	3.8	1.9	0.0	0.0
11.4	87.5°	9.5	1.9	0.0	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°
3763.8
3516.4
2943.7
2194.0
1480.4
1198.8
1168.3
1151.2
1124.6
1097.9
1080.8
1067.5
1054.2
1040.8
1031.3
1019.9
983.8
903.8
799.2
690.7
593.7
508.1
437.6
371.0
310.2
243.6
186.5
157.9
129.4
98.9
62.8
30.4
5.7
0.0
0.0
0.0
0.0

F REPORT)