

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: P853243

Luminaire Tested: **GLAN-SB9D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 88492 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

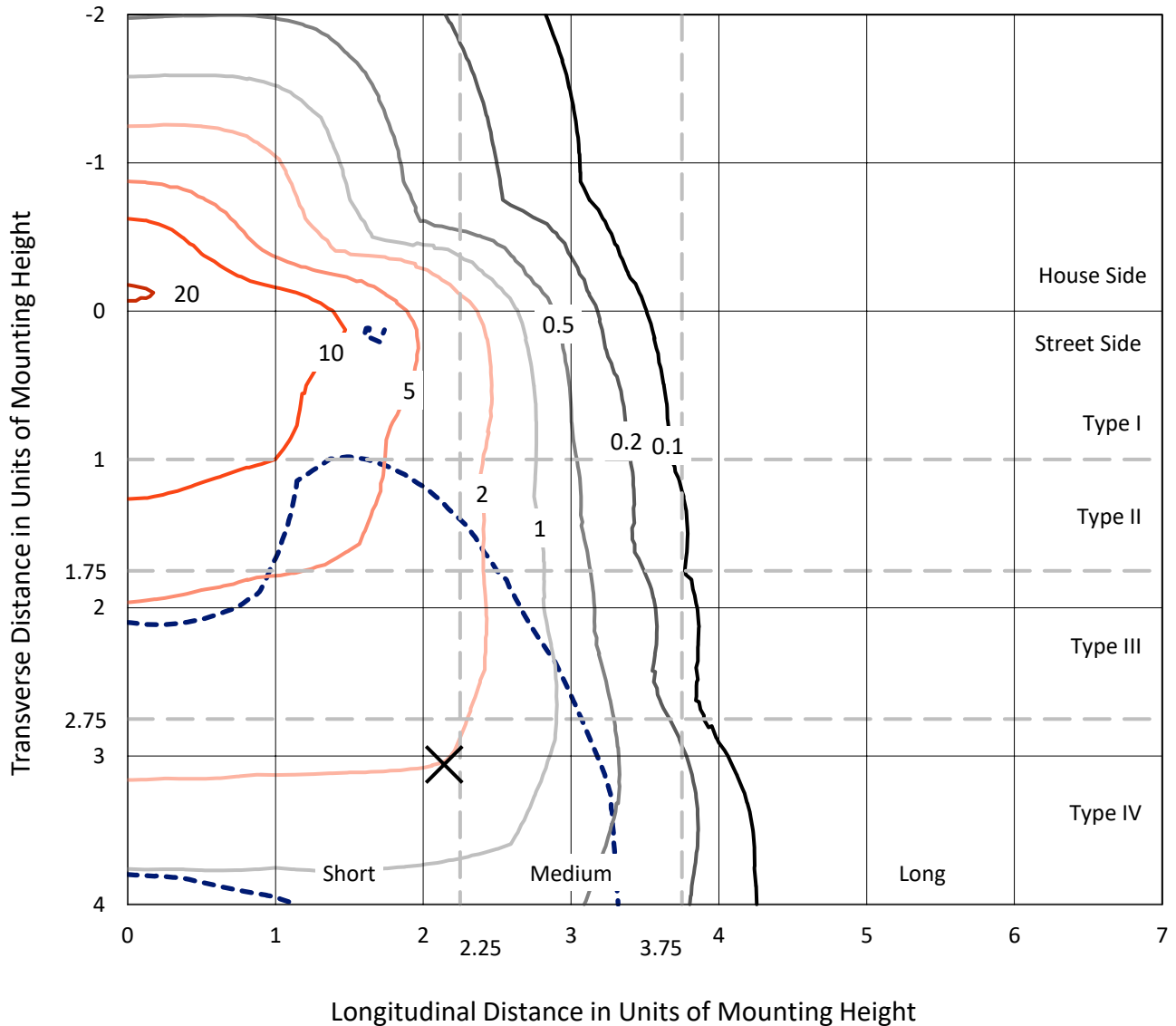
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853243
 CATALOG NUMBER: GLAN-SB9D-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

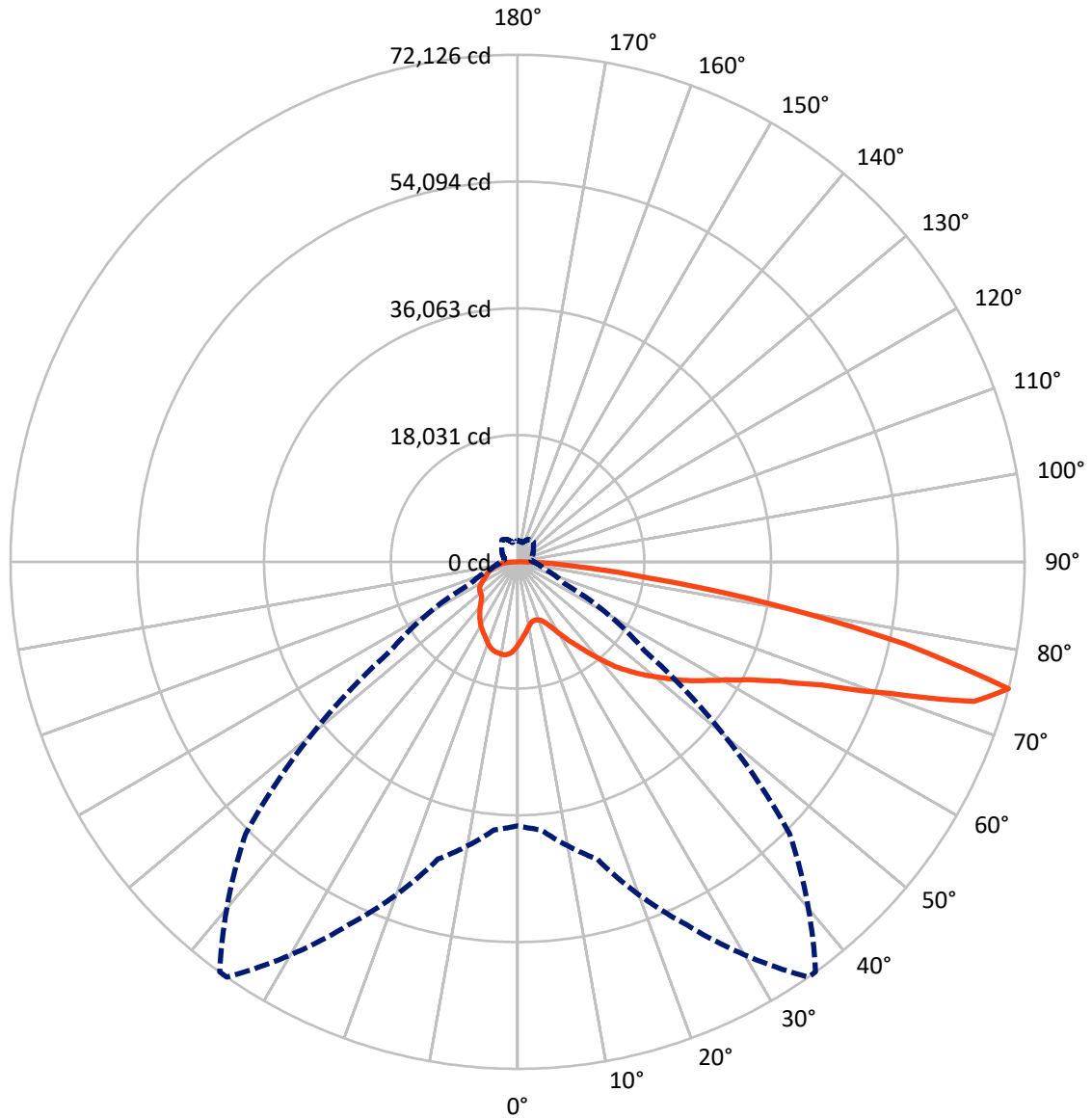
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P853243
CATALOG NUMBER: GLAN-SB9D-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P853243
 CATALOG NUMBER: GLAN-SB9D-730-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21058.9	0.0	21058.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	67433.1	0.0	67433.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	88492.0	0.0	88492.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.5	1.3
10°-20°	3220.4	3.6
20°-30°	5407.9	6.1
30°-40°	8404.7	9.5
40°-50°	12474.8	14.1
50°-60°	17222.1	19.5
60°-70°	20894.4	23.6
70°-80°	17267.6	19.5
80°-90°	2483.6	2.8
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°	88492.0	100.0
0°-180°	88492.0	100.0

Coefficient of Utilization

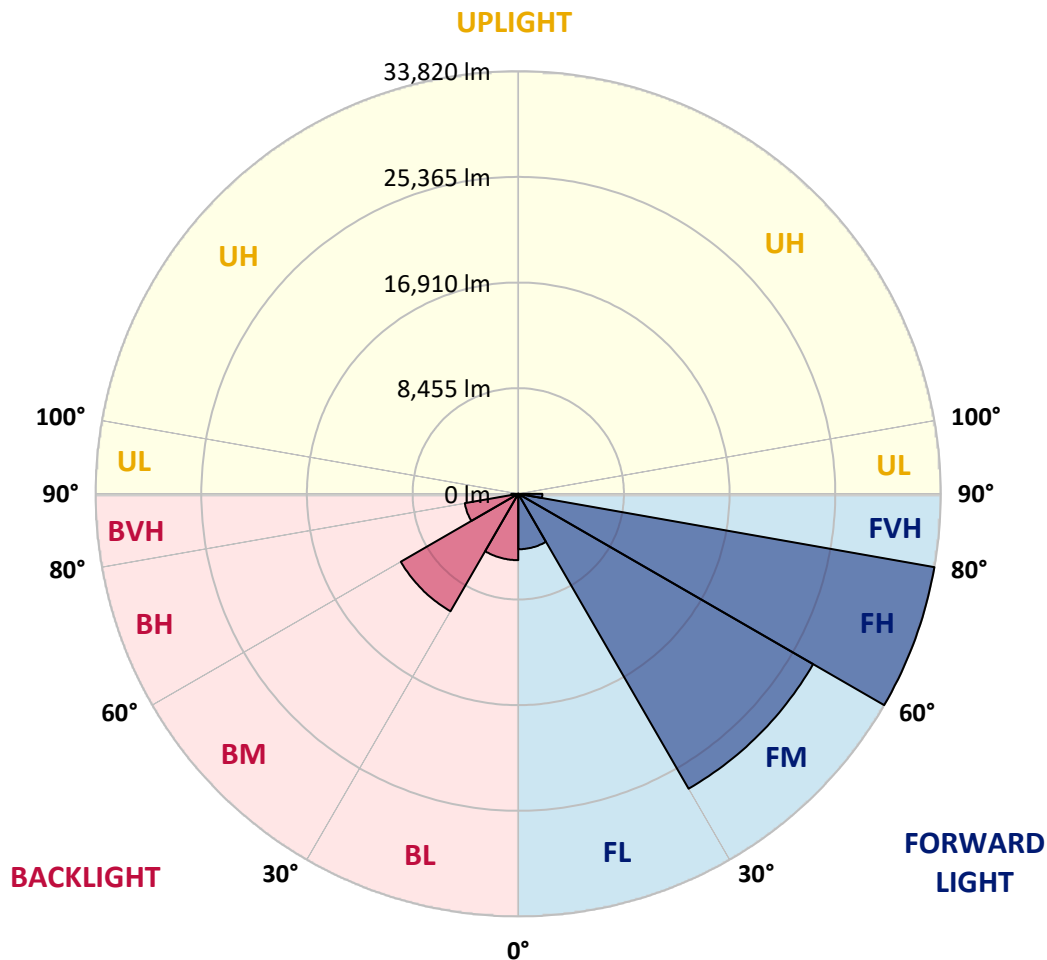


REPORT NUMBER: P853243
 CATALOG NUMBER: GLAN-SB9D-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4437.7	5.0			
FM (30°-60°)	27250.7	30.8			
FH (60°-80°)	33820.3	38.2			G5
FVH (80°-90°)	1924.4	2.2			G5
BL (0°-30°)	5307.1	6.0	B5		
BM (30°-60°)	10850.8	12.3	B5		
BH (60°-80°)	4341.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	559.2	0.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Short



REPORT NUMBER: P853243
 CATALOG NUMBER: GLAN-SB9D-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2
2.5°	10873.7	10940.6	10969.3	10955.0	11026.7	11017.2	11117.6	11242.0	11414.2	11581.7
5°	10036.5	10108.2	10170.4	10227.8	10366.6	10409.6	10567.5	10806.7	11122.4	11442.9
7.5°	9256.7	9318.9	9414.6	9519.8	9754.2	9797.3	10060.4	10433.5	10873.7	11342.5
10°	8620.5	8682.7	8783.1	8902.7	9194.5	9247.2	9582.0	10079.5	10653.6	11246.8
12.5°	8347.8	8366.9	8424.3	8543.9	8797.5	8831.0	9199.3	9768.6	10438.3	11175.0
15°	8333.4	8371.7	8376.5	8438.7	8649.2	8663.5	9003.2	9567.7	10304.4	11160.7
17.5°	8477.0	8505.7	8462.6	8500.9	8677.9	8701.8	8969.7	9472.0	10261.3	11222.9
20°	8859.7	8883.6	8754.4	8701.8	8831.0	8850.1	9113.2	9534.2	10304.4	11352.0
22.5°	9672.9	9687.3	9371.5	9156.3	9165.8	9175.4	9405.0	9787.7	10471.8	11586.5
25°	10940.6	10931.1	10428.8	10012.6	9773.4	9720.8	9873.8	10199.1	10754.1	11897.4
27.5°	12423.6	12351.9	11849.6	11227.7	10706.2	10629.7	10596.2	10734.9	11155.9	12308.8
30°	14098.0	14031.0	13490.4	12677.2	11954.8	11830.4	11514.7	11442.9	11753.9	12868.5
32.5°	15935.0	15891.9	15246.1	14260.6	13294.3	13150.8	12619.8	12428.4	12672.4	13715.3
35°	17475.4	17437.1	16901.3	15887.1	14705.5	14528.5	13987.9	13772.7	13897.0	14801.2
37.5°	18867.5	18848.3	18389.1	17590.2	16370.3	16155.0	15547.5	15475.7	15451.8	16231.6
40°	20159.1	20111.2	19632.9	19211.9	18307.7	18111.6	17575.8	17513.6	17331.8	17992.0
42.5°	21589.5	21465.1	20771.4	20575.3	20331.3	20168.7	19848.1	19857.7	19455.9	19977.3
45°	22756.7	22685.0	21972.2	21857.4	22120.5	22053.5	22331.0	22402.7	21622.9	22058.3
47.5°	24010.1	23943.1	23340.3	23259.0	23971.8	23990.9	24971.6	24995.5	23737.4	24220.6
50°	25555.3	25459.6	24861.6	24962.1	25761.0	25832.7	27626.7	27464.0	25684.4	26416.3
52.5°	26574.2	26631.6	26502.5	26665.1	27755.8	27822.8	30238.6	29822.4	27612.3	28583.4
55°	27325.3	27440.1	27841.9	28215.1	29860.7	29927.7	32702.3	32066.1	29210.1	30592.6
57.5°	28291.6	28129.0	28880.0	29607.2	31860.4	32037.4	35099.0	34228.4	30626.1	32324.4
60°	29678.9	29564.1	30147.7	31224.1	34099.2	34381.4	37634.4	36175.4	31664.2	33697.3
62.5°	32491.8	32204.8	32295.7	33247.7	36921.7	37294.8	40495.2	37873.6	32180.9	34233.1
65°	36696.8	36204.1	35744.8	36405.0	40897.0	41265.4	43724.3	39208.3	31989.5	33195.0
67.5°	41992.5	41504.6	40940.1	41562.0	46752.4	47044.3	47709.2	39959.4	30482.6	29195.8
70°	46360.2	46178.4	46852.9	49412.2	56104.8	56114.4	52818.3	39337.5	26354.2	20699.7
72.5°	45781.3	45671.3	49225.7	57138.1	67892.2	67638.7	57654.8	34630.2	17752.8	9338.0
75°	37557.9	38270.7	43776.9	56999.4	72125.9	72092.4	54693.6	22015.2	7343.2	3870.1
77.5°	20140.0	21268.9	28420.8	42083.4	56305.8	57152.5	38452.5	7702.0	3152.5	2478.0
80°	6568.2	7553.7	11328.1	21426.8	36586.8	36428.9	16480.3	3023.4	2157.5	1755.7
82.5°	2789.0	2903.8	5061.3	10117.8	18776.6	18484.7	5247.9	1736.5	1516.5	1200.7
85°	1090.7	1219.9	2234.1	4678.6	8132.5	7955.5	1894.4	861.1	971.1	784.5
87.5°	358.8	435.3	798.9	1602.6	2530.6	2439.8	464.0	296.6	421.0	358.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853243
 CATALOG NUMBER: GLAN-SB9D-730-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
11792.2	0°	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2	11792.2
11825.6	2.5°	11892.6	11969.2	12060.1	12194.0	12308.8	12404.5	12504.9	12567.1	12591.1	12662.8
11844.8	5°	11978.7	12146.2	12371.0	12591.1	12806.3	12935.5	13050.3	13107.7	13160.3	13198.6
11897.4	7.5°	12122.2	12337.5	12691.5	12978.5	13160.3	13265.6	13342.1	13323.0	13342.1	13351.7
11954.8	10°	12246.6	12548.0	12969.0	13241.7	13380.4	13385.2	13366.0	13299.1	13265.6	13270.4
12040.9	12.5°	12394.9	12729.8	13184.3	13413.9	13452.1	13346.9	13265.6	13150.8	13107.7	13088.6
12170.1	15°	12595.8	12978.5	13418.7	13504.8	13409.1	13275.1	13136.4	12949.8	12854.2	12777.6
12390.1	17.5°	12839.8	13260.8	13600.4	13538.3	13332.6	13112.5	12887.7	12605.4	12409.3	12327.9
12691.5	20°	13179.5	13557.4	13739.2	13466.5	13155.6	12820.7	12438.0	12093.5	11911.8	11830.4
13074.2	22.5°	13590.9	13954.5	13873.1	13342.1	12902.0	12366.2	11887.8	11634.3	11543.4	11486.0
13567.0	25°	14083.6	14394.6	13968.8	13160.3	12485.8	11763.5	11395.1	11313.8	11270.7	11227.7
14169.7	27.5°	14724.6	14892.1	14040.6	12892.4	11835.2	11122.4	10988.5	11002.8	10988.5	10916.7
15006.9	30°	15571.4	15537.9	14107.5	12457.1	11088.9	10543.6	10553.1	10615.3	10624.9	10577.1
16174.2	32.5°	16686.0	16346.4	14141.0	11892.6	10376.1	10036.5	10046.1	10113.0	10160.9	10079.5
17700.2	35°	18035.1	17288.8	14088.4	11184.6	9826.0	9553.3	9481.6	9500.7	9515.1	9438.5
19551.5	37.5°	19608.9	18346.0	13854.0	10400.1	9371.5	9079.7	8926.6	8797.5	8720.9	8649.2
21646.9	40°	21335.9	19498.9	13423.4	9634.6	8864.4	8577.4	8347.8	8103.8	7845.5	7749.8
23866.6	42.5°	23144.2	20685.3	12902.0	8902.7	8280.8	8046.4	7802.4	7448.4	7060.9	6864.8
26172.4	45°	25019.5	21900.4	12390.1	8180.4	7682.8	7582.4	7300.1	6874.4	6453.4	6204.6
28483.0	47.5°	26856.5	23048.5	11639.1	7453.2	7123.1	7233.2	7013.1	6620.8	6152.0	5759.7
30774.4	50°	28612.1	24124.9	10409.6	6716.5	6668.7	7127.9	6917.4	6352.9	5817.1	5314.8
33022.8	52.5°	30353.4	24995.5	8835.7	6046.8	6424.7	7099.2	6793.0	6171.1	5515.8	4989.5
35137.3	55°	31831.6	25445.2	7319.3	5472.7	6070.7	6855.2	6644.7	5955.9	5090.0	4530.3
36586.8	57.5°	32673.6	25081.7	6056.3	4908.2	5582.7	6453.4	6391.2	5496.6	4582.9	4152.4
36869.0	60°	32310.0	23608.2	5023.0	4415.5	5118.7	6018.1	5951.1	5042.2	4195.4	3788.8
35357.3	62.5°	30305.6	20800.1	4205.0	3984.9	4697.7	5573.2	5511.0	4692.9	3898.8	3506.6
31343.7	65°	26268.0	16920.4	3568.7	3626.1	4272.0	5037.4	5128.3	4401.1	3664.4	3281.7
24249.3	67.5°	20034.7	12256.2	3071.2	3315.2	3855.8	4511.2	4774.3	4190.6	3468.3	3104.7
14031.0	70°	11419.0	6960.5	2650.2	3013.8	3487.4	4023.2	4501.6	4023.2	3257.8	2956.4
5257.4	72.5°	4329.4	3195.6	2291.5	2712.4	3133.4	3611.8	4200.2	3760.1	3013.8	2789.0
2717.2	75°	2310.6	1947.0	1927.9	2358.4	2726.8	3210.0	3822.3	3501.8	2832.0	2946.8
1880.0	77.5°	1573.9	1377.7	1612.2	2018.8	2281.9	2765.1	3420.4	3109.5	2454.1	2444.5
1301.2	80°	1090.7	975.9	1310.8	1626.5	1765.2	2324.9	2985.1	2669.4	1999.6	1865.7
803.7	82.5°	655.4	636.3	980.7	1215.1	1248.6	1793.9	2473.2	2238.8	1636.1	1425.6
478.4	85°	358.8	377.9	626.7	712.8	727.1	1253.4	1937.5	1731.7	1258.1	1057.2
172.2	87.5°	100.5	129.2	229.6	282.2	349.2	650.6	1152.9	1028.5	631.5	440.1
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°
11792.2
12658.0
13208.2
13366.0
13279.9
13079.0
12801.5
12332.7
11820.9
11495.6
11227.7
10931.1
10601.0
10117.8
9491.1
8697.0
7792.9
6888.7
6185.5
5716.7
5271.8
4932.1
4482.5
4095.0
3731.4
3444.4
3219.5
3047.3
2918.1
2750.7
3042.5
2253.2
1784.4
1435.2
1066.8
440.1
0.0

F REPORT)