

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: P853007

Luminaire Tested: **GLAN-SB8A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853007
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-SB8A-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35181 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

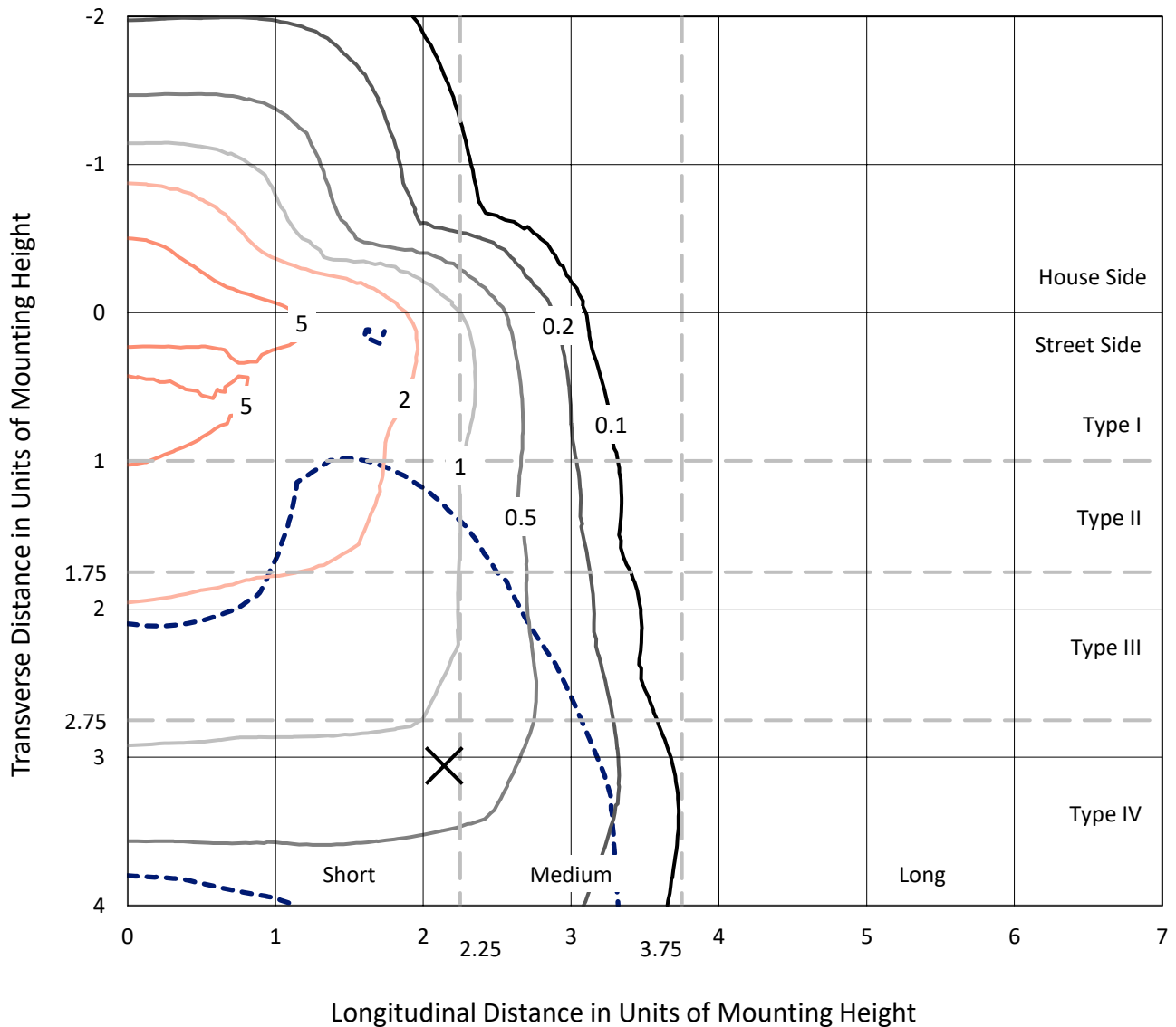
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853007
 CATALOG NUMBER: GLAN-SB8A-735-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

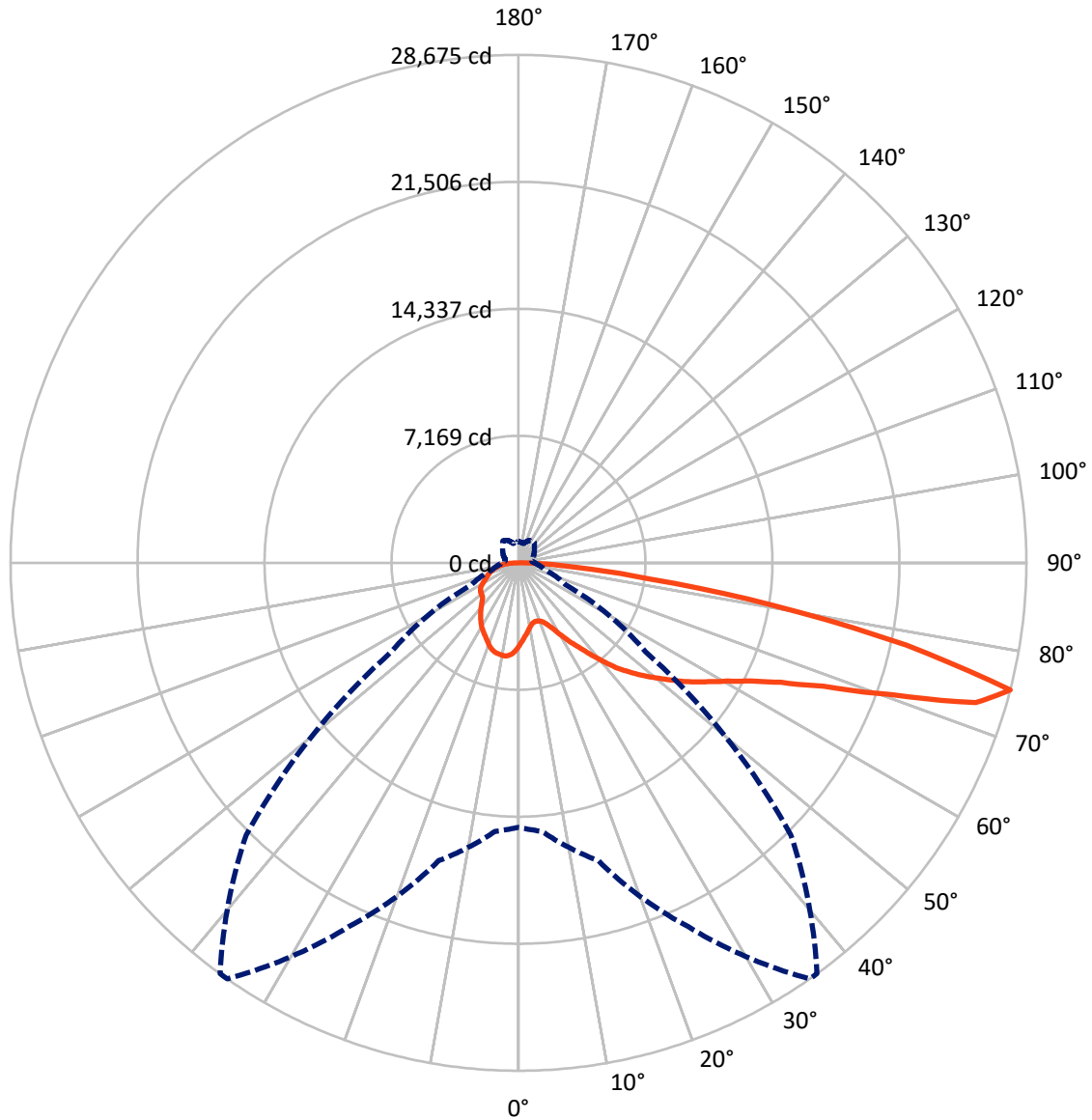
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P853007
CATALOG NUMBER: GLAN-SB8A-735-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853007
 CATALOG NUMBER: GLAN-SB8A-735-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8372.2	0.0	8372.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	26808.8	0.0	26808.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	35181.0	0.0	35181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.9	1.3
10°-20°	1280.3	3.6
20°-30°	2150.0	6.1
30°-40°	3341.4	9.5
40°-50°	4959.5	14.1
50°-60°	6846.9	19.5
60°-70°	8306.8	23.6
70°-80°	6864.9	19.5
80°-90°	987.4	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°	35181.0	100.0
0°-180°	35181.0	100.0

Coefficient of Utilization

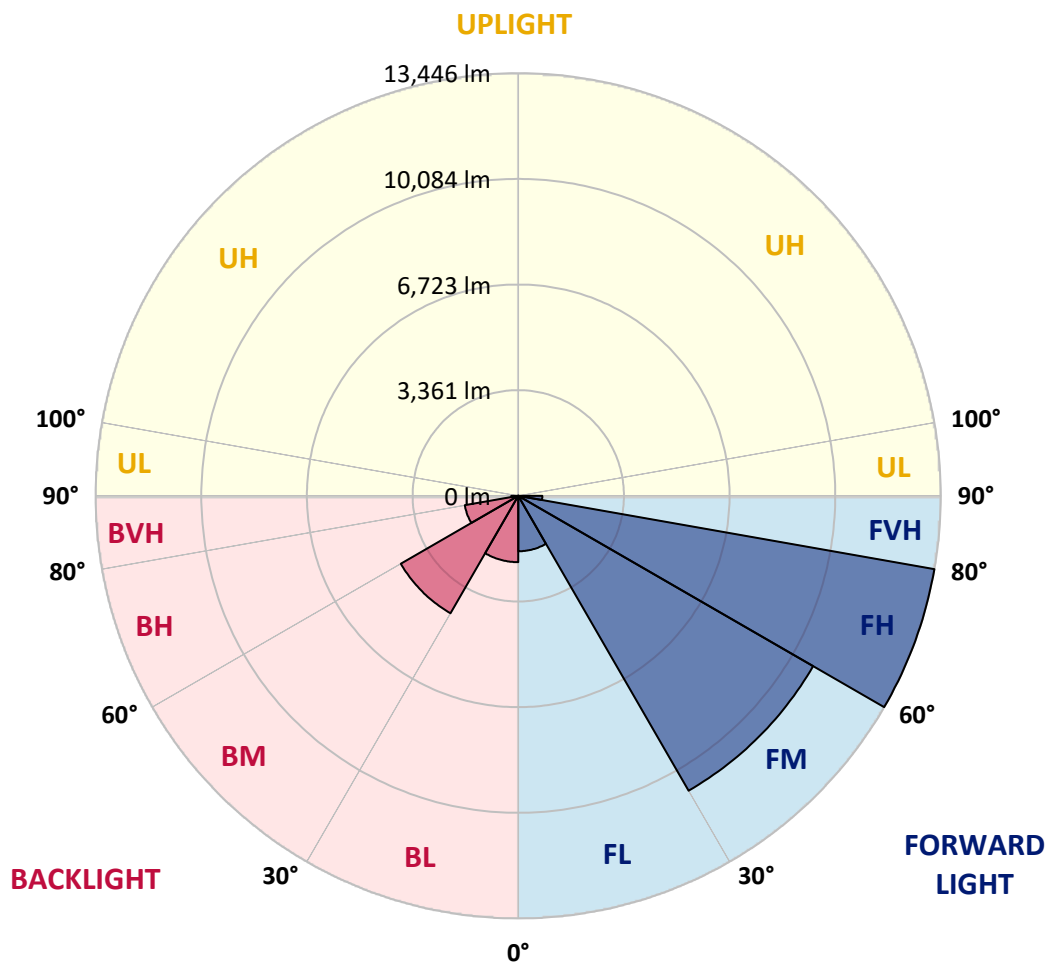


REPORT NUMBER: P853007
 CATALOG NUMBER: GLAN-SB8A-735-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1764.3	5.0			
FM (30°-60°)	10833.8	30.8			
FH (60°-80°)	13445.6	38.2			G5
FVH (80°-90°)	765.1	2.2			G5
BL (0°-30°)	2109.9	6.0	B3/2500		
BM (30°-60°)	4313.9	12.3	B3/5000		
BH (60°-80°)	1726.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	222.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



REPORT NUMBER: P853007
 CATALOG NUMBER: GLAN-SB8A-735-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1
2.5°	4322.9	4349.6	4361.0	4355.3	4383.8	4380.0	4419.9	4469.4	4537.9	4604.4
5°	3990.1	4018.6	4043.4	4066.2	4121.3	4138.5	4201.2	4296.3	4421.8	4549.3
7.5°	3680.1	3704.8	3742.9	3784.7	3877.9	3895.0	3999.6	4148.0	4322.9	4509.3
10°	3427.2	3451.9	3491.8	3539.4	3655.4	3676.3	3809.4	4007.2	4235.5	4471.3
12.5°	3318.8	3326.4	3349.2	3396.7	3497.5	3510.8	3657.3	3883.6	4149.9	4442.8
15°	3313.1	3328.3	3330.2	3354.9	3438.6	3444.3	3579.3	3803.7	4096.6	4437.1
17.5°	3370.1	3381.5	3364.4	3379.6	3450.0	3459.5	3566.0	3765.7	4079.5	4461.8
20°	3522.3	3531.8	3480.4	3459.5	3510.8	3518.5	3623.1	3790.4	4096.6	4513.1
22.5°	3845.6	3851.3	3725.8	3640.2	3644.0	3647.8	3739.1	3891.2	4163.2	4606.3
25°	4349.6	4345.8	4146.1	3980.6	3885.5	3864.6	3925.5	4054.8	4275.4	4729.9
27.5°	4939.2	4910.6	4710.9	4463.7	4256.4	4226.0	4212.6	4267.8	4435.2	4893.5
30°	5604.8	5578.2	5363.3	5040.0	4752.8	4703.3	4577.8	4549.3	4672.9	5116.0
32.5°	6335.1	6318.0	6061.3	5669.5	5285.3	5228.2	5017.1	4941.1	5038.1	5452.7
35°	6947.5	6932.3	6719.3	6316.1	5846.3	5776.0	5561.1	5475.5	5524.9	5884.4
37.5°	7501.0	7493.4	7310.8	6993.2	6508.2	6422.6	6181.1	6152.5	6143.0	6453.0
40°	8014.5	7995.5	7805.3	7637.9	7278.5	7200.5	6987.5	6962.7	6890.5	7152.9
42.5°	8583.1	8533.7	8257.9	8179.9	8082.9	8018.3	7890.9	7894.7	7734.9	7942.2
45°	9047.2	9018.7	8735.3	8689.6	8794.2	8767.6	8877.9	8906.5	8596.4	8769.5
47.5°	9545.5	9518.9	9279.2	9246.9	9530.3	9537.9	9927.8	9937.3	9437.1	9629.2
50°	10159.8	10121.7	9884.0	9924.0	10241.6	10270.1	10983.3	10918.6	10211.1	10502.1
52.5°	10564.9	10587.7	10536.4	10601.0	11034.6	11061.3	12021.7	11856.2	10977.6	11363.7
55°	10863.5	10909.1	11068.9	11217.2	11871.5	11898.1	13001.2	12748.2	11612.8	12162.5
57.5°	11247.7	11183.0	11481.6	11770.7	12666.4	12736.8	13954.0	13607.9	12175.8	12850.9
60°	11799.2	11753.5	11985.6	12413.5	13556.5	13668.7	14962.0	14381.9	12588.5	13396.8
62.5°	12917.5	12803.4	12839.5	13218.0	14678.6	14827.0	16099.3	15057.1	12793.9	13609.8
65°	14589.2	14393.3	14210.8	14473.2	16259.1	16405.5	17383.1	15587.7	12717.8	13197.1
67.5°	16694.6	16500.6	16276.2	16523.4	18587.0	18703.0	18967.3	15886.3	12118.7	11607.1
70°	18431.0	18358.7	18626.9	19644.4	22305.1	22308.9	20998.5	15639.1	10477.4	8229.4
72.5°	18200.9	18157.1	19570.2	22715.9	26991.3	26890.5	22921.3	13767.6	7057.8	3712.4
75°	14931.6	15214.9	17404.0	22660.8	28674.5	28661.2	21744.1	8752.4	2919.4	1538.6
77.5°	8006.9	8455.7	11299.0	16730.7	22385.0	22721.6	15287.2	3062.0	1253.3	985.2
80°	2611.3	3003.1	4503.6	8518.5	14545.5	14482.7	6551.9	1202.0	857.7	698.0
82.5°	1108.8	1154.4	2012.2	4022.5	7464.8	7348.8	2086.3	690.4	602.9	477.4
85°	433.6	485.0	888.2	1860.0	3233.2	3162.8	753.1	342.3	386.1	311.9
87.5°	142.6	173.1	317.6	637.1	1006.1	970.0	184.5	117.9	167.4	142.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853007
 CATALOG NUMBER: GLAN-SB8A-735-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4688.1	0°	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1	4688.1
4701.4	2.5°	4728.0	4758.5	4794.6	4847.9	4893.5	4931.5	4971.5	4996.2	5005.7	5034.2
4709.0	5°	4762.3	4828.8	4918.2	5005.7	5091.3	5142.7	5188.3	5211.1	5232.0	5247.3
4729.9	7.5°	4819.3	4904.9	5045.7	5159.8	5232.0	5273.9	5304.3	5296.7	5304.3	5308.1
4752.8	10°	4868.8	4988.6	5156.0	5264.4	5319.5	5321.4	5313.8	5287.2	5273.9	5275.8
4787.0	12.5°	4927.7	5060.9	5241.6	5332.8	5348.1	5306.2	5273.9	5228.2	5211.1	5203.5
4838.4	15°	5007.6	5159.8	5334.7	5369.0	5330.9	5277.7	5222.5	5148.4	5110.3	5079.9
4925.8	17.5°	5104.6	5272.0	5407.0	5382.3	5300.5	5213.0	5123.6	5011.4	4933.4	4901.1
5045.7	20°	5239.6	5389.9	5462.2	5353.8	5230.1	5097.0	4944.9	4807.9	4735.7	4703.3
5197.8	22.5°	5403.2	5547.8	5515.4	5304.3	5129.3	4916.3	4726.1	4625.3	4589.2	4566.4
5393.7	25°	5599.1	5722.7	5553.5	5232.0	4963.9	4676.7	4530.3	4497.9	4480.8	4463.7
5633.3	27.5°	5854.0	5920.5	5582.0	5125.5	4705.2	4421.8	4368.6	4374.3	4368.6	4340.1
5966.2	30°	6190.6	6177.3	5608.6	4952.5	4408.5	4191.7	4195.5	4220.2	4224.1	4205.0
6430.2	32.5°	6633.7	6498.7	5621.9	4728.0	4125.2	3990.1	3993.9	4020.6	4039.6	4007.2
7036.9	35°	7170.0	6873.4	5601.0	4446.6	3906.4	3798.0	3769.5	3777.1	3782.8	3752.4
7772.9	37.5°	7795.8	7293.7	5507.8	4134.7	3725.8	3609.7	3548.9	3497.5	3467.1	3438.6
8606.0	40°	8482.3	7752.0	5336.6	3830.4	3524.2	3410.1	3318.8	3221.8	3119.1	3081.0
9488.4	42.5°	9201.2	8223.7	5129.3	3539.4	3292.1	3198.9	3101.9	2961.2	2807.2	2729.2
10405.1	45°	9946.8	8706.8	4925.8	3252.2	3054.4	3014.5	2902.3	2733.0	2565.6	2466.7
11323.7	47.5°	10677.1	9163.2	4627.2	2963.1	2831.9	2875.6	2788.1	2632.2	2445.8	2289.8
12234.7	50°	11375.1	9591.1	4138.5	2670.2	2651.2	2833.8	2750.1	2525.7	2312.7	2113.0
13128.6	52.5°	12067.4	9937.3	3512.8	2404.0	2554.2	2822.4	2700.7	2453.4	2192.9	1983.6
13969.2	55°	12655.0	10116.0	2909.9	2175.7	2413.5	2725.4	2641.7	2367.8	2023.6	1801.1
14545.5	57.5°	12989.8	9971.5	2407.8	1951.3	2219.5	2565.6	2540.9	2185.2	1822.0	1650.8
14657.7	60°	12845.2	9385.7	1997.0	1755.4	2035.0	2392.6	2365.9	2004.6	1667.9	1506.3
14056.7	62.5°	12048.3	8269.3	1671.7	1584.3	1867.6	2215.7	2191.0	1865.7	1550.0	1394.1
12461.0	65°	10443.2	6726.9	1418.8	1441.6	1698.4	2002.7	2038.8	1749.7	1456.8	1304.7
9640.6	67.5°	7965.0	4872.6	1221.0	1318.0	1532.9	1793.5	1898.1	1666.0	1378.9	1234.3
5578.2	70°	4539.8	2767.2	1053.6	1198.2	1386.5	1599.5	1789.7	1599.5	1295.2	1175.4
2090.2	72.5°	1721.2	1270.4	911.0	1078.4	1245.7	1435.9	1669.8	1494.9	1198.2	1108.8
1080.3	75°	918.6	774.1	766.5	937.6	1084.1	1276.2	1519.6	1392.2	1125.9	1171.6
747.4	77.5°	625.7	547.7	640.9	802.6	907.2	1099.3	1359.8	1236.2	975.7	971.9
517.3	80°	433.6	388.0	521.1	646.6	701.8	924.3	1186.8	1061.2	795.0	741.7
319.5	82.5°	260.6	252.9	389.9	483.1	496.4	713.2	983.3	890.1	650.4	566.8
190.2	85°	142.6	150.2	249.1	283.4	289.1	498.3	770.3	688.5	500.2	420.3
68.5	87.5°	39.9	51.4	91.3	112.2	138.8	258.7	458.4	408.9	251.0	175.0
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

<u>180°</u>
4688.1
5032.3
5251.1
5313.8
5279.6
5199.7
5089.4
4903.0
4699.5
4570.2
4463.7
4345.8
4214.5
4022.5
3773.3
3457.6
3098.1
2738.7
2459.1
2272.7
2095.9
1960.8
1782.1
1628.0
1483.5
1369.3
1280.0
1211.5
1160.1
1093.6
1209.6
895.8
709.4
570.6
424.1
175.0
0.0

F REPORT)