

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: P852837

Luminaire Tested: **GLAN-SB6D-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852837
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-SB6D-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59850 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

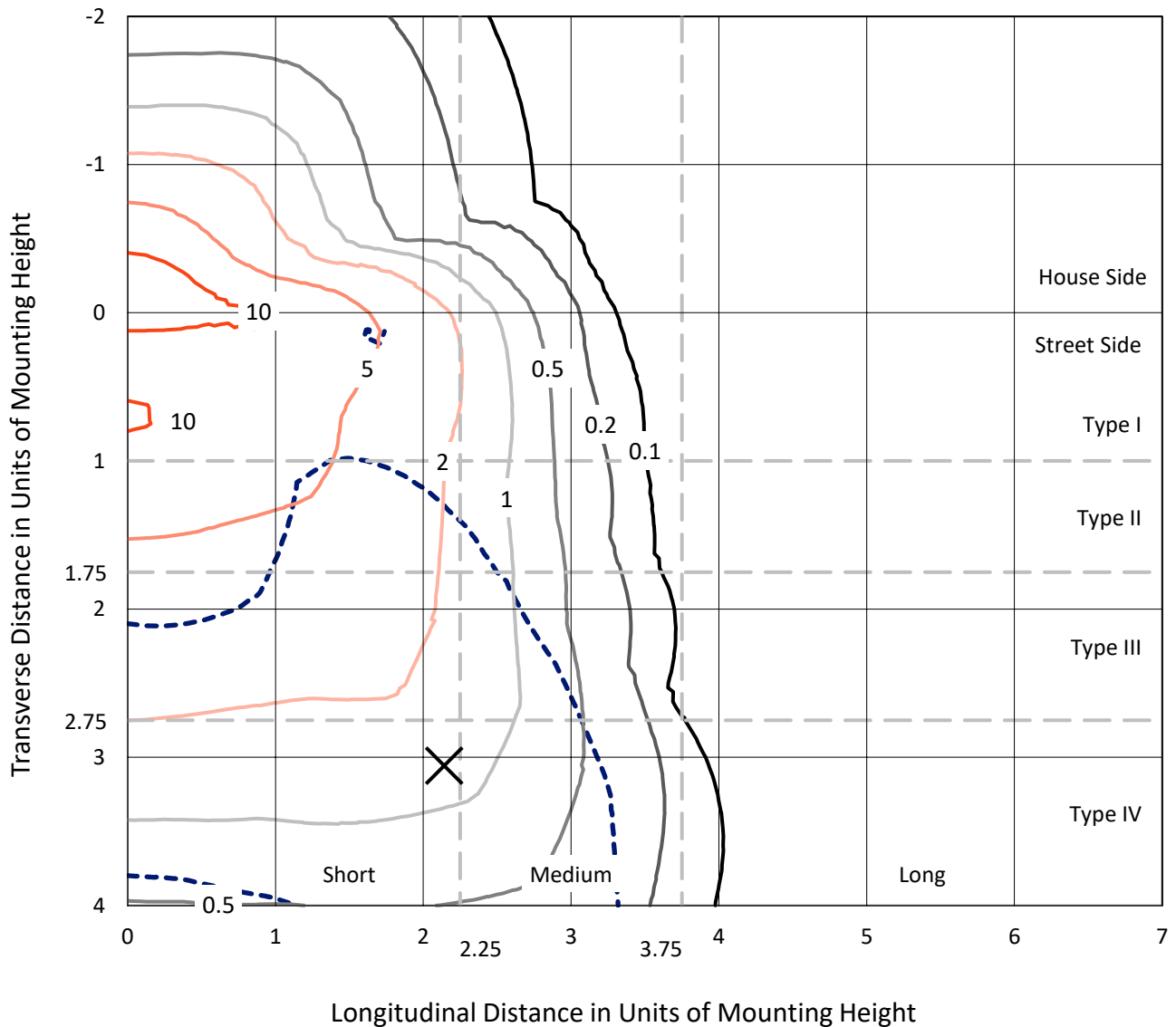
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852837
 CATALOG NUMBER: GLAN-SB6D-735-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

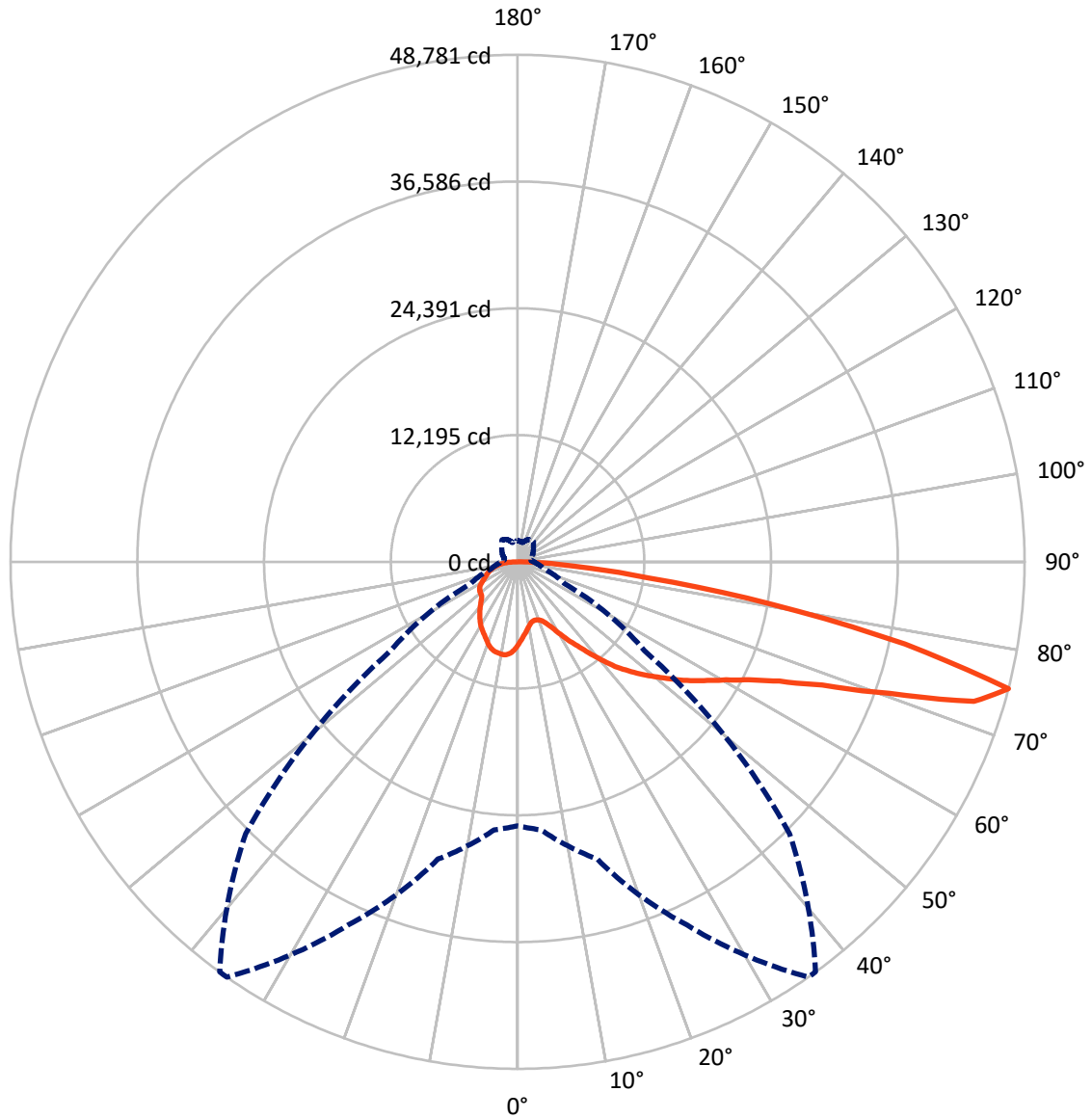
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P852837
CATALOG NUMBER: GLAN-SB6D-735-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852837
 CATALOG NUMBER: GLAN-SB6D-735-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14242.8	0.0	14242.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	45607.2	0.0	45607.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	59850.0	0.0	59850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.1	1.3
10°-20°	2178.1	3.6
20°-30°	3657.6	6.1
30°-40°	5684.3	9.5
40°-50°	8437.1	14.1
50°-60°	11647.9	19.5
60°-70°	14131.6	23.6
70°-80°	11678.7	19.5
80°-90°	1679.7	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°	59850.0	100.0
0°-180°	59850.0	100.0

Coefficient of Utilization

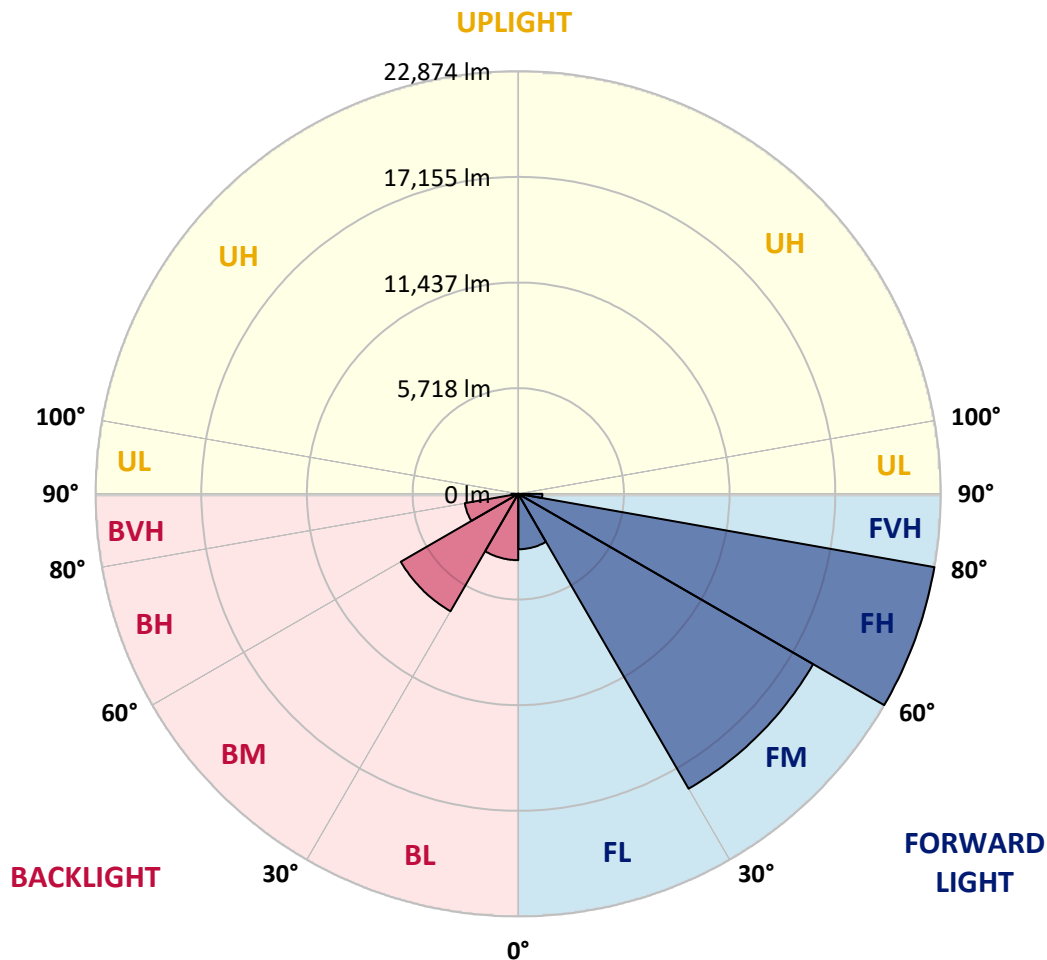


REPORT NUMBER: P852837
 CATALOG NUMBER: GLAN-SB6D-735-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3001.4	5.0			
FM (30°-60°)	18430.6	30.8			
FH (60°-80°)	22873.8	38.2			G5
FVH (80°-90°)	1301.5	2.2			G5
BL (0°-30°)	3589.4	6.0	B4/5000		
BM (30°-60°)	7338.8	12.3	B4/8500		
BH (60°-80°)	2936.4	4.9	B4/5000		G4/5000
BVH (80°-90°)	378.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



REPORT NUMBER: P852837
 CATALOG NUMBER: GLAN-SB6D-735-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4
2.5°	7354.2	7399.5	7418.9	7409.2	7457.7	7451.3	7519.2	7603.3	7719.8	7833.1
5°	6788.0	6836.5	6878.6	6917.4	7011.2	7040.4	7147.1	7308.9	7522.5	7739.2
7.5°	6260.6	6302.7	6367.4	6438.6	6597.1	6626.2	6804.2	7056.5	7354.2	7671.3
10°	5830.3	5872.4	5940.3	6021.2	6218.6	6254.2	6480.6	6817.1	7205.4	7606.6
12.5°	5645.9	5658.8	5697.7	5778.5	5950.0	5972.7	6221.8	6606.8	7059.8	7558.0
15°	5636.2	5662.1	5665.3	5707.4	5849.7	5859.4	6089.1	6470.9	6969.2	7548.3
17.5°	5733.2	5752.7	5723.5	5749.4	5869.1	5885.3	6066.5	6406.2	6940.1	7590.4
20°	5992.1	6008.3	5920.9	5885.3	5972.7	5985.6	6163.6	6448.3	6969.2	7677.8
22.5°	6542.1	6551.8	6338.3	6192.7	6199.1	6205.6	6360.9	6619.8	7082.4	7836.3
25°	7399.5	7393.0	7053.3	6771.8	6610.1	6574.5	6678.0	6898.0	7273.3	8046.6
27.5°	8402.5	8354.0	8014.2	7593.6	7241.0	7189.2	7166.6	7260.4	7545.1	8324.8
30°	9534.9	9489.6	9124.0	8574.0	8085.4	8001.3	7787.8	7739.2	7949.5	8703.4
32.5°	10777.3	10748.2	10311.4	9644.9	8991.4	8894.3	8535.2	8405.7	8570.7	9276.1
35°	11819.1	11793.3	11430.9	10745.0	9945.8	9826.1	9460.5	9314.9	9399.0	10010.5
37.5°	12760.7	12747.7	12437.1	11896.8	11071.8	10926.2	10515.3	10466.7	10450.5	10977.9
40°	13634.2	13601.9	13278.3	12993.6	12382.1	12249.5	11887.1	11845.0	11722.1	12168.6
42.5°	14601.6	14517.5	14048.4	13915.7	13750.7	13640.7	13423.9	13430.4	13158.6	13511.3
45°	15391.1	15342.6	14860.5	14782.8	14960.8	14915.5	15103.1	15151.7	14624.3	14918.7
47.5°	16238.8	16193.5	15785.8	15730.8	16212.9	16225.8	16889.1	16905.3	16054.4	16381.2
50°	17283.8	17219.1	16814.7	16882.6	17423.0	17471.5	18684.8	18574.8	17371.2	17866.2
52.5°	17973.0	18011.8	17924.5	18034.5	18772.2	18817.5	20451.4	20169.9	18675.1	19331.9
55°	18481.0	18558.6	18830.4	19082.8	20195.8	20241.1	22117.6	21687.3	19755.7	20690.8
57.5°	19134.5	19024.5	19532.5	20024.3	21548.2	21667.9	23738.6	23149.7	20713.4	21862.0
60°	20072.8	19995.2	20389.9	21117.9	23062.4	23253.3	25453.4	24466.6	21415.5	22790.6
62.5°	21975.3	21781.1	21842.6	22486.5	24971.3	25223.7	27388.2	25615.2	21765.0	23153.0
65°	24819.2	24486.0	24175.4	24621.9	27660.0	27909.1	29572.1	26517.9	21635.5	22450.9
67.5°	28400.9	28070.9	27689.1	28109.7	31620.2	31817.5	32267.3	27025.8	20616.4	19746.0
70°	31354.9	31231.9	31688.1	33419.1	37945.5	37952.0	35722.8	26605.2	17824.2	13999.9
72.5°	30963.4	30889.0	33292.9	38644.4	45917.7	45746.2	38993.8	23421.5	12006.8	6315.6
75°	25401.6	25883.7	29607.7	38550.5	48781.1	48758.4	36991.1	14889.6	4966.4	2617.5
77.5°	13621.3	14384.9	19221.9	28462.4	38081.4	38654.1	26006.7	5209.1	2132.2	1676.0
80°	4442.3	5108.8	7661.6	14491.6	24744.8	24638.1	11146.2	2044.8	1459.2	1187.4
82.5°	1886.3	1963.9	3423.1	6843.0	12699.2	12501.8	3549.3	1174.5	1025.6	812.1
85°	737.7	825.0	1511.0	3164.3	5500.3	5380.6	1281.2	582.4	656.8	530.6
87.5°	242.7	294.4	540.3	1083.9	1711.6	1650.1	313.8	200.6	284.7	242.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852837
 CATALOG NUMBER: GLAN-SB6D-735-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7975.4	0°	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4	7975.4
7998.1	2.5°	8043.4	8095.1	8156.6	8247.2	8324.8	8389.6	8457.5	8499.6	8515.7	8564.3
8011.0	5°	8101.6	8214.8	8366.9	8515.7	8661.3	8748.7	8826.3	8865.2	8900.8	8926.6
8046.6	7.5°	8198.7	8344.3	8583.7	8777.8	8900.8	8971.9	9023.7	9010.8	9023.7	9030.2
8085.4	10°	8282.8	8486.6	8771.3	8955.8	9049.6	9052.8	9039.9	8994.6	8971.9	8975.2
8143.7	12.5°	8383.1	8609.6	8916.9	9072.2	9098.1	9026.9	8971.9	8894.3	8865.2	8852.2
8231.0	15°	8519.0	8777.8	9075.5	9133.7	9069.0	8978.4	8884.6	8758.4	8693.7	8641.9
8379.9	17.5°	8684.0	8968.7	9198.4	9156.4	9017.2	8868.4	8716.3	8525.4	8392.8	8337.8
8583.7	20°	8913.7	9169.3	9292.3	9107.8	8897.5	8671.0	8412.2	8179.3	8056.3	8001.3
8842.5	22.5°	9192.0	9437.8	9382.8	9023.7	8726.0	8363.7	8040.1	7868.6	7807.2	7768.3
9175.8	25°	9525.2	9735.5	9447.6	8900.8	8444.6	7956.0	7706.9	7651.9	7622.8	7593.6
9583.4	27.5°	9958.8	10072.0	9496.1	8719.6	8004.5	7522.5	7431.9	7441.6	7431.9	7383.3
10149.6	30°	10531.4	10508.8	9541.4	8425.1	7499.8	7131.0	7137.4	7179.5	7186.0	7153.6
10939.1	32.5°	11285.3	11055.6	9564.0	8043.4	7017.7	6788.0	6794.5	6839.8	6872.1	6817.1
11971.2	35°	12197.7	11693.0	9528.4	7564.5	6645.6	6461.2	6412.7	6425.6	6435.3	6383.6
13223.3	37.5°	13262.2	12408.0	9369.9	7033.9	6338.3	6140.9	6037.4	5950.0	5898.2	5849.7
14640.5	40°	14430.2	13187.7	9078.7	6516.2	5995.3	5801.2	5645.9	5480.9	5306.2	5241.5
16141.7	42.5°	15653.2	13990.1	8726.0	6021.2	5600.6	5442.0	5277.0	5037.6	4775.5	4642.9
17701.2	45°	16921.5	14812.0	8379.9	5532.6	5196.2	5128.2	4937.3	4649.4	4364.6	4196.4
19263.9	47.5°	18163.9	15588.5	7871.9	5040.9	4817.6	4892.0	4743.2	4477.9	4160.8	3895.5
20813.7	50°	19351.3	16316.4	7040.4	4542.6	4510.2	4820.8	4678.5	4296.7	3934.3	3594.6
22334.4	52.5°	20529.0	16905.3	5975.9	4089.6	4345.2	4801.4	4594.4	4173.7	3730.5	3374.6
23764.5	55°	21528.8	17209.4	4950.3	3701.4	4105.8	4636.4	4494.1	4028.2	3442.5	3064.0
24744.8	57.5°	22098.2	16963.5	4096.1	3319.6	3775.8	4364.6	4322.6	3717.5	3099.6	2808.4
24935.7	60°	21852.3	15967.0	3397.2	2986.3	3461.9	4070.2	4024.9	3410.2	2837.5	2562.5
23913.3	62.5°	20496.7	14067.8	2844.0	2695.1	3177.2	3769.3	3727.3	3174.0	2636.9	2371.6
21198.8	65°	17765.9	11443.8	2413.7	2452.5	2889.3	3406.9	3468.4	2976.6	2478.4	2219.5
16400.6	67.5°	13550.1	8289.3	2077.2	2242.2	2607.8	3051.0	3229.0	2834.3	2345.7	2099.8
9489.6	70°	7723.1	4707.6	1792.4	2038.3	2358.7	2721.0	3044.6	2721.0	2203.4	1999.5
3555.8	72.5°	2928.1	2161.3	1549.8	1834.5	2119.2	2442.8	2840.7	2543.1	2038.3	1886.3
1837.7	75°	1562.7	1316.8	1303.9	1595.1	1844.2	2171.0	2585.1	2368.4	1915.4	1993.0
1271.5	77.5°	1064.5	931.8	1090.4	1365.4	1543.3	1870.1	2313.4	2103.1	1659.8	1653.3
880.0	80°	737.7	660.0	886.5	1100.1	1193.9	1572.4	2018.9	1805.4	1352.4	1261.8
543.6	82.5°	443.3	430.3	663.3	821.8	844.5	1213.3	1672.7	1514.2	1106.5	964.2
323.5	85°	242.7	255.6	423.8	482.1	491.8	847.7	1310.4	1171.2	850.9	715.0
116.5	87.5°	67.9	87.4	155.3	190.9	236.2	440.0	779.7	695.6	427.1	297.7
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°
7975.4
8561.0
8933.1
9039.9
8981.6
8845.8
8658.1
8341.0
7994.8
7774.8
7593.6
7393.0
7169.8
6843.0
6419.2
5882.1
5270.6
4659.1
4183.5
3866.4
3565.5
3335.8
3031.6
2769.6
2523.7
2329.5
2177.5
2061.0
1973.6
1860.4
2057.8
1523.9
1206.8
970.6
721.5
297.7
0.0

F REPORT)