

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: P851326

Luminaire Tested: **GLAN-SB9B-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49091 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

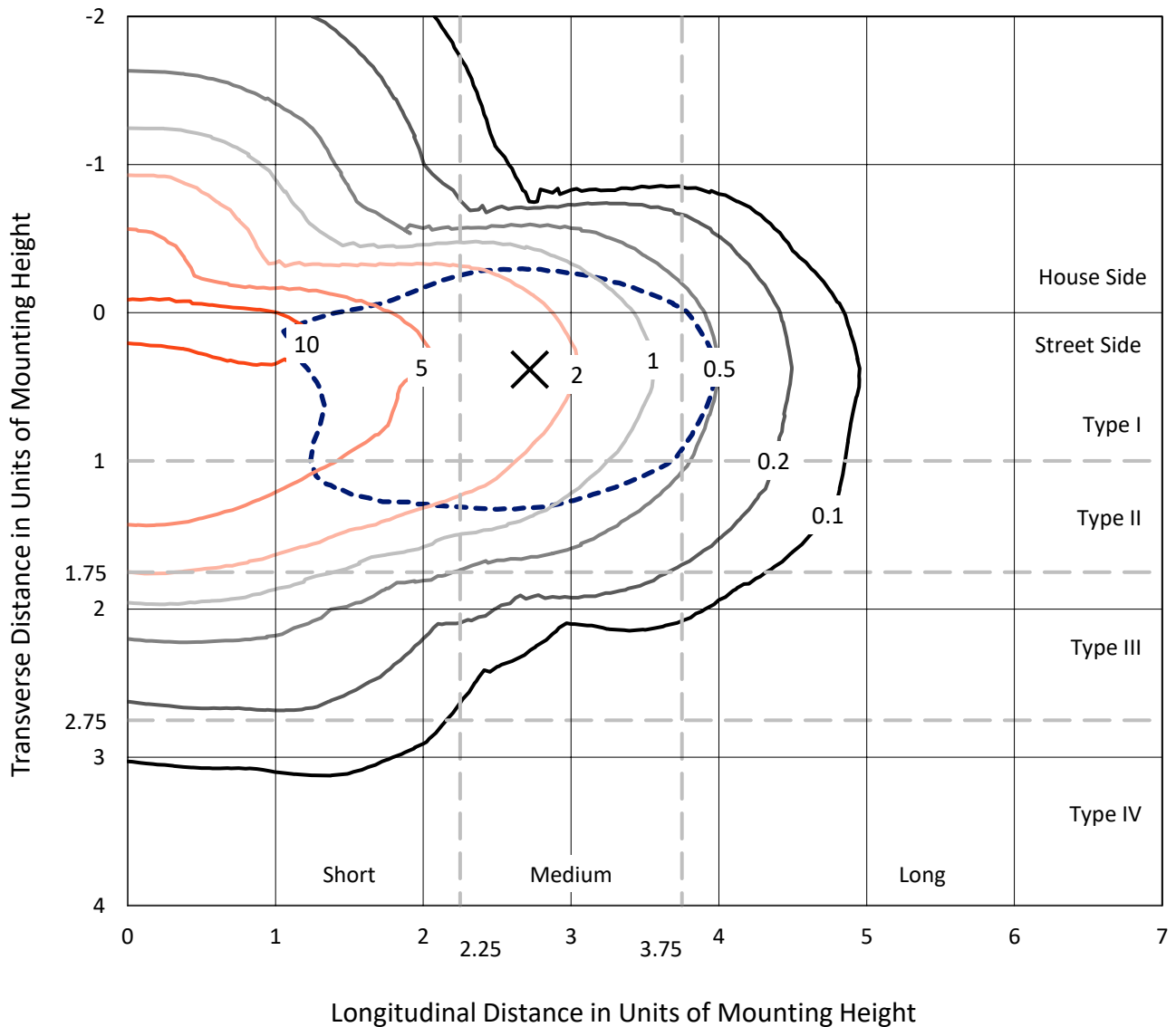
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851326
 CATALOG NUMBER: GLAN-SB9B-730-U-T2

Iso-Footcandle Lines of Horizontal Illumination

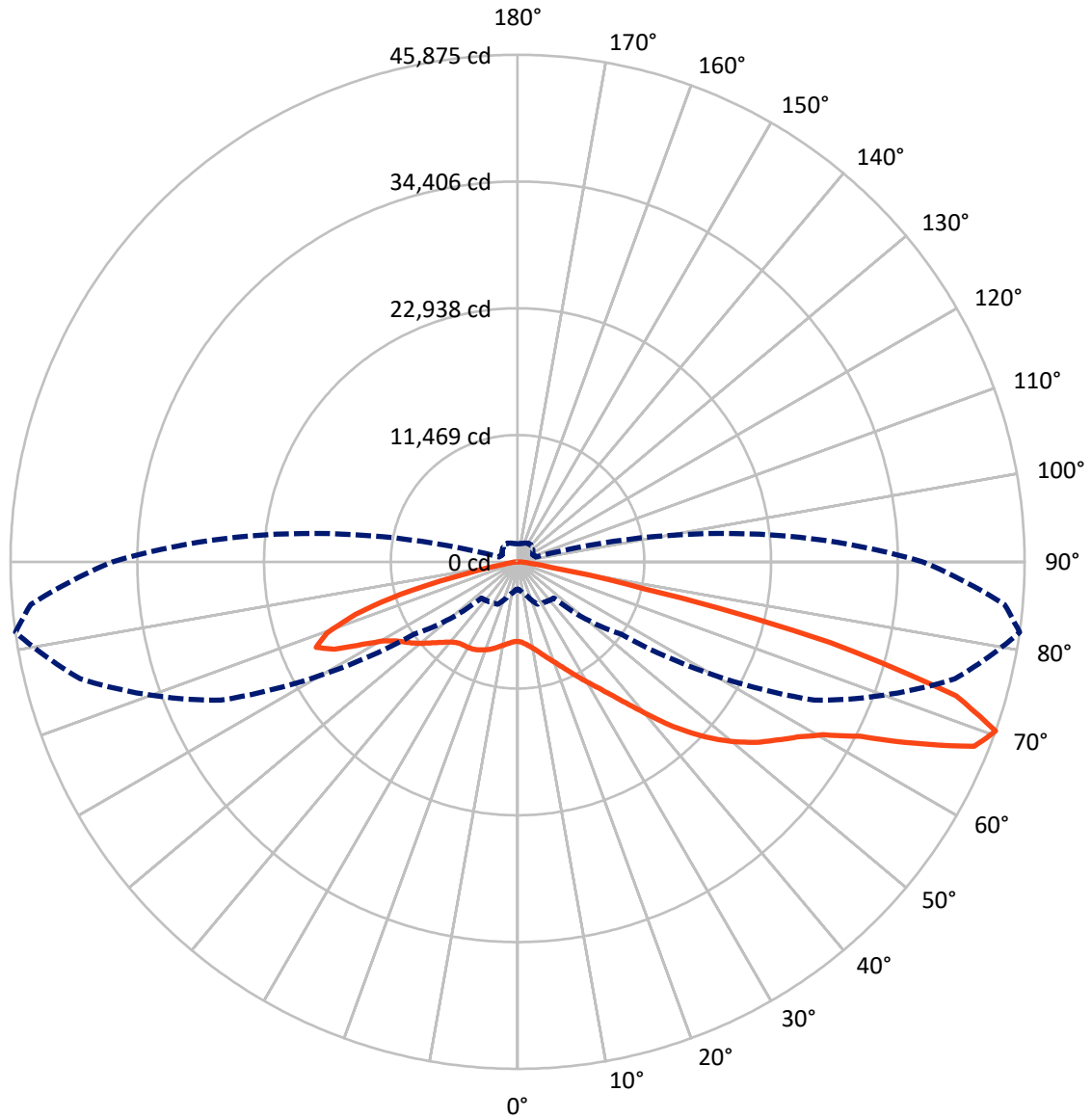
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P851326
CATALOG NUMBER: GLAN-SB9B-730-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P851326
 CATALOG NUMBER: GLAN-SB9B-730-U-T2

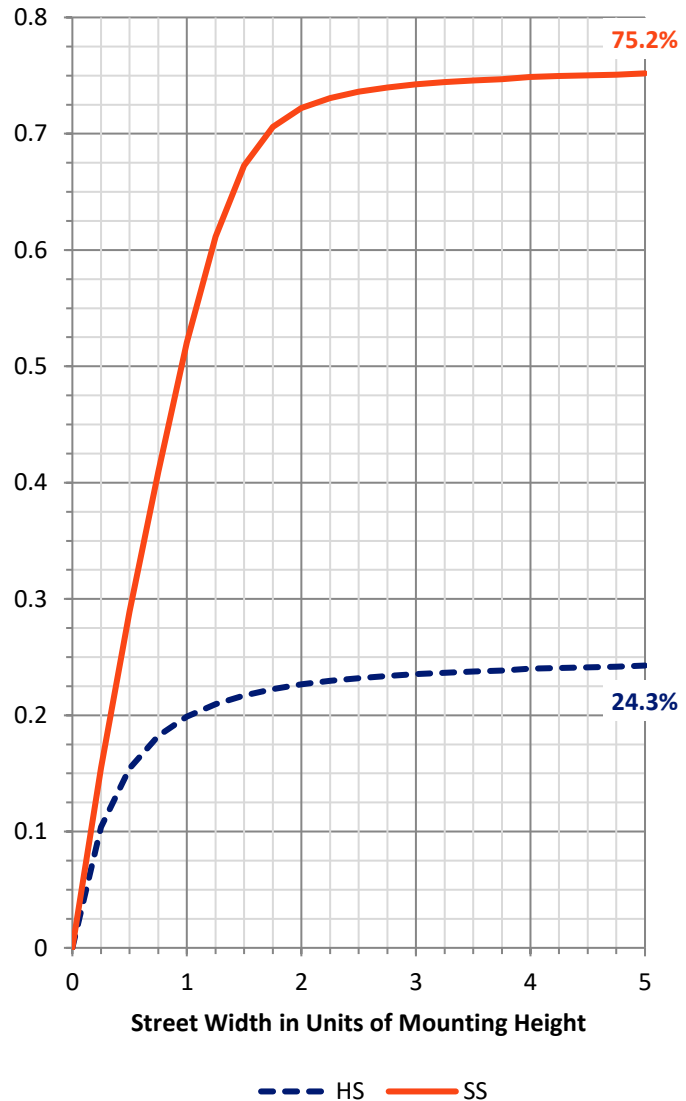
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12102.1	0.0	12102.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	36988.9	0.0	36988.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	49091.0	0.0	49091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.6	1.4
10°-20°	1952.4	4.0
20°-30°	3266.2	6.7
30°-40°	5102.6	10.4
40°-50°	8126.5	16.6
50°-60°	11309.0	23.0
60°-70°	11829.8	24.1
70°-80°	6182.9	12.6
80°-90°	642.0	1.3
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°	49091.0	100.0
0°-180°	49091.0	100.0

Coefficient of Utilization

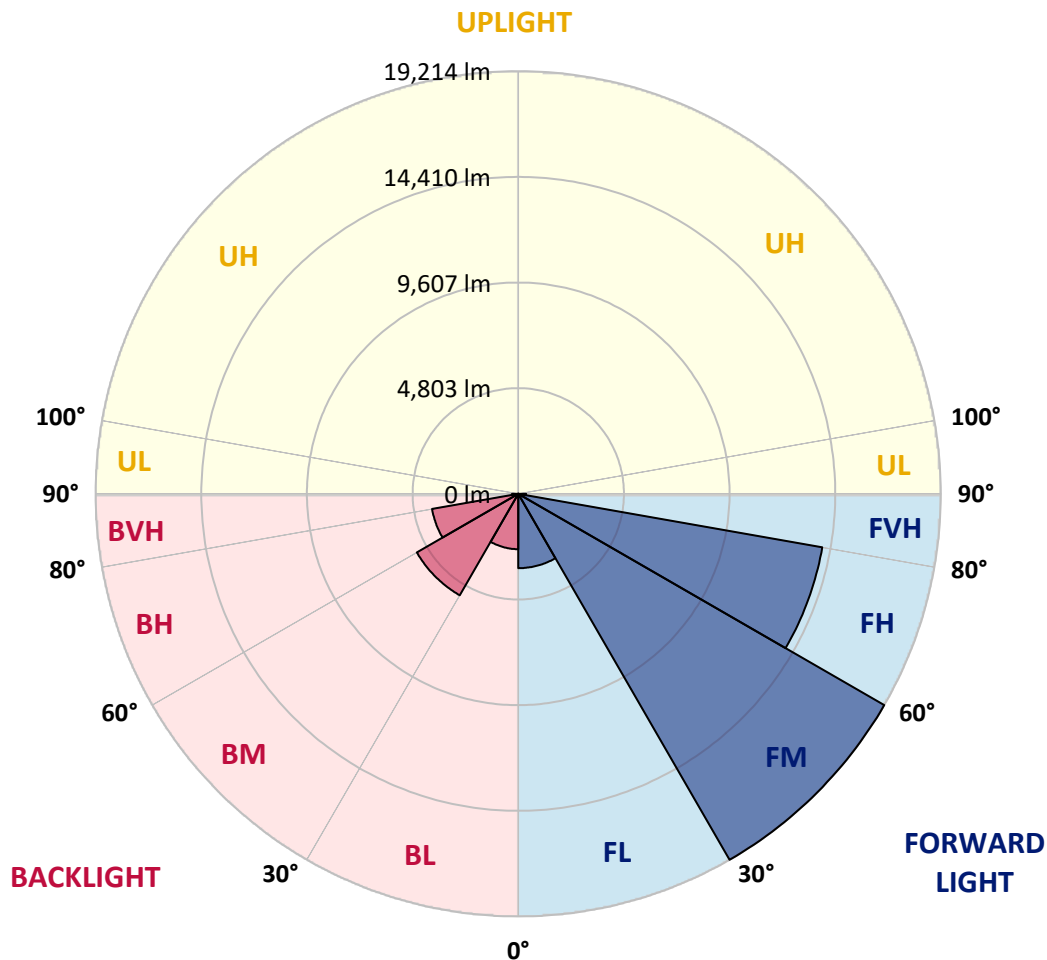


REPORT NUMBER: P851326
 CATALOG NUMBER: GLAN-SB9B-730-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3380.5	6.9			
FM (30°-60°)	19213.7	39.1			
FH (60°-80°)	14035.3	28.6			G5
FVH (80°-90°)	359.4	0.7			G3/500
BL (0°-30°)	2517.7	5.1	B4/5000		
BM (30°-60°)	5324.5	10.8	B4/8500		
BH (60°-80°)	3977.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	282.6	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 II Medium



REPORT NUMBER: P851326
 CATALOG NUMBER: GLAN-SB9B-730-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4
2.5°	7369.3	7411.0	7397.9	7384.9	7384.9	7366.7	7364.1	7338.0	7317.2	7283.3
5°	7463.1	7507.3	7502.1	7512.5	7546.4	7554.2	7562.0	7546.4	7504.7	7463.1
7.5°	7379.7	7429.2	7444.8	7507.3	7611.5	7705.3	7775.6	7804.3	7765.2	7705.3
10°	7098.4	7153.1	7207.8	7356.3	7541.2	7762.6	7950.2	8062.2	8054.4	7997.1
12.5°	6527.9	6585.2	6702.4	6991.6	7330.2	7720.9	8070.0	8304.4	8385.2	8343.5
15°	6072.0	6121.5	6210.1	6507.1	6947.3	7541.2	8114.3	8570.1	8775.9	8752.5
17.5°	6059.0	6079.8	6134.6	6275.2	6613.9	7259.9	8067.4	8830.6	9224.0	9221.4
20°	6288.2	6296.1	6327.3	6356.0	6548.7	7046.3	7947.6	9046.8	9726.7	9726.7
22.5°	6606.0	6600.8	6632.1	6606.0	6699.8	7028.0	7872.0	9237.0	10286.8	10328.5
25°	7082.7	7056.7	7048.9	6989.0	7007.2	7197.4	7955.4	9453.2	10951.0	11037.0
27.5°	7718.3	7676.7	7648.0	7509.9	7463.1	7546.4	8210.7	9713.7	11690.8	11839.3
30°	8546.7	8471.2	8429.5	8189.8	8020.5	8033.5	8596.2	10060.1	12464.5	12704.1
32.5°	9677.2	9560.0	9448.0	9054.7	8744.7	8643.1	9093.7	10539.4	13303.3	13686.2
35°	10943.2	10849.4	10729.6	10122.7	9646.0	9411.5	9765.8	11208.9	14285.3	14892.2
37.5°	12162.3	12081.6	12138.9	11320.9	10706.2	10364.9	10646.2	12107.6	15496.6	16392.7
40°	13423.1	13360.6	13368.4	12586.9	11870.6	11487.6	11714.3	13235.5	16885.0	18177.0
42.5°	14793.3	14746.4	14590.1	13897.2	13092.3	12735.4	12943.8	14538.0	18375.0	20208.9
45°	16327.5	16298.9	16153.0	15358.5	14436.4	14035.2	14316.6	15975.9	19872.8	22120.9
47.5°	17653.4	17676.9	17658.7	16989.2	16033.2	15444.5	15780.5	17476.3	21266.5	23918.2
50°	18291.6	18414.1	18593.8	18385.4	17791.5	17192.4	17257.5	18924.6	22595.0	25603.6
52.5°	17958.2	18190.1	18679.8	19013.2	19242.4	19117.4	18942.9	20362.5	23845.3	27124.9
55°	16715.7	17041.3	17854.0	18658.9	19828.5	20737.7	20966.9	21956.8	25064.4	28463.8
57.5°	14452.0	14980.8	15710.2	17338.3	19307.6	21521.7	23326.9	24168.3	26356.4	29893.9
60°	10570.7	11279.2	12185.7	14608.3	17484.1	21102.3	25335.3	27565.1	28192.9	31746.0
62.5°	6764.9	7202.6	8036.1	10318.0	13623.7	18953.3	25950.1	31811.1	31305.8	34783.3
65°	4631.5	4912.9	5676.1	6957.7	8807.2	14108.2	24303.8	34994.3	36249.9	39597.2
67.5°	3365.5	3579.1	4230.4	5353.1	5738.6	8348.7	18859.5	34848.4	41055.9	44556.9
70°	2453.8	2604.9	3151.9	4230.4	4415.3	4644.5	11425.1	29623.0	40951.7	45875.0
72.5°	1818.2	1922.4	2289.7	3282.2	3573.9	3136.3	5655.3	21529.5	35189.7	41493.5
75°	1315.5	1393.6	1664.5	2511.1	2860.2	2388.7	2821.1	12581.7	24546.0	29188.0
77.5°	1005.5	1065.4	1242.5	1839.1	2289.7	1792.2	1750.5	5788.1	11638.7	11696.0
80°	807.5	846.6	943.0	1294.6	1755.7	1341.5	1140.9	2336.6	3678.1	3112.9
82.5°	593.9	659.0	797.1	909.1	1255.6	924.7	695.5	1180.0	1398.8	1203.5
85°	338.6	382.9	481.9	651.2	802.3	565.3	398.6	523.6	651.2	534.0
87.5°	119.8	156.3	169.3	255.3	349.1	234.4	153.7	151.1	213.6	158.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851326
 CATALOG NUMBER: GLAN-SB9B-730-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7197.4	0°	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4	7197.4
7275.5	2.5°	7249.5	7236.4	7184.3	7114.0	7041.1	6970.7	6947.3	6897.8	6863.9	6845.7
7444.8	5°	7395.3	7353.6	7231.2	7074.9	6910.8	6733.7	6608.6	6494.0	6410.7	6332.5
7676.7	7.5°	7603.7	7530.8	7319.8	7046.3	6754.5	6460.2	6241.4	6074.6	5962.6	5889.7
7947.6	10°	7846.0	7734.0	7411.0	7002.0	6551.3	6129.3	5871.5	5728.2	5657.9	5618.8
8257.6	12.5°	8124.7	7965.8	7504.7	6900.4	6241.4	5759.4	5582.3	5540.6	5543.2	5545.8
8648.3	15°	8468.5	8247.1	7580.3	6679.0	5837.6	5475.5	5444.3	5512.0	5582.3	5616.2
9091.1	17.5°	8856.7	8544.1	7593.3	6314.3	5441.6	5293.2	5392.2	5538.0	5644.8	5691.7
9586.1	20°	9273.5	8846.3	7499.5	5798.5	5116.0	5144.7	5321.8	5509.4	5626.6	5686.5
10151.3	22.5°	9750.2	9169.3	7275.5	5256.7	4850.3	4983.2	5191.6	5373.9	5496.4	5556.3
10815.6	25°	10294.6	9531.3	6923.8	4800.8	4621.1	4800.8	5009.2	5160.3	5259.3	5314.0
11558.0	27.5°	10898.9	9909.1	6455.0	4438.8	4420.5	4613.3	4785.2	4902.4	4954.5	4996.2
12347.3	30°	11505.9	10252.9	5887.1	4165.2	4246.0	4428.3	4550.8	4602.9	4618.5	4626.3
13227.7	32.5°	12162.3	10549.9	5290.6	3938.6	4079.3	4248.6	4321.5	4345.0	4272.0	4222.6
14295.7	35°	12956.8	10867.7	4707.1	3758.9	3915.2	4061.0	4084.5	4063.7	3977.7	3876.1
15634.6	37.5°	13938.9	11263.6	4240.8	3631.2	3761.5	3857.9	3829.2	3824.0	3831.8	3712.0
17244.5	40°	15142.3	11779.4	3899.5	3532.3	3636.4	3657.3	3576.5	3620.8	3659.9	3477.5
19010.6	42.5°	16478.6	12402.0	3683.3	3464.5	3532.3	3482.8	3357.7	3407.2	3402.0	3162.4
20784.5	45°	17841.0	13079.2	3607.8	3415.0	3435.9	3336.9	3198.8	3211.8	3102.4	2886.2
22485.5	47.5°	19195.6	13806.0	3654.7	3373.4	3316.0	3204.0	3097.2	3039.9	2878.4	2716.9
24116.2	50°	20524.1	14569.2	3826.6	3290.0	3151.9	3086.8	3008.7	2907.1	2735.2	2597.1
25658.3	52.5°	21756.2	15337.7	4019.4	3151.9	2946.1	2985.2	2935.7	2818.5	2649.2	2508.5
27117.1	55°	22923.2	16106.1	4094.9	2961.8	2753.4	2896.7	2868.0	2651.8	2448.6	2334.0
28643.5	57.5°	24194.4	17030.9	4011.6	2719.5	2597.1	2795.1	2685.7	2446.0	2328.8	2242.8
30631.1	60°	25955.3	18481.8	3831.8	2420.0	2448.6	2644.0	2456.4	2357.4	2229.8	2133.4
33611.1	62.5°	28880.6	21188.3	3542.7	2123.0	2274.1	2420.0	2347.0	2248.0	2117.8	2024.0
38706.3	65°	33204.7	24949.8	2998.2	1891.2	2078.7	2201.1	2229.8	2130.8	1995.4	1896.4
43171.1	67.5°	36851.6	27309.8	2268.9	1698.4	1878.1	2024.0	2104.8	2008.4	1865.1	1768.7
44215.7	70°	36651.0	25595.8	1732.3	1508.2	1701.0	1849.5	1953.7	1878.1	1724.4	1633.3
40162.4	72.5°	32553.5	21412.3	1401.4	1315.5	1521.3	1667.1	1792.2	1734.9	1578.6	1490.0
29422.4	75°	23915.6	15199.6	1120.1	1120.1	1297.2	1477.0	1615.0	1578.6	1435.3	1372.8
12352.5	77.5°	10081.0	6376.8	877.9	930.0	1078.4	1268.6	1440.5	1453.5	1328.5	1406.6
3266.6	80°	2680.4	1758.3	669.5	732.0	846.6	1047.2	1253.0	1247.7	1112.3	1039.4
1213.9	82.5°	1021.1	692.9	476.7	515.8	612.2	802.3	992.5	1023.7	888.3	768.4
476.7	85°	393.3	297.0	294.4	310.0	356.9	531.4	750.2	776.3	669.5	567.9
132.9	87.5°	101.6	88.6	109.4	104.2	164.1	283.9	429.8	445.4	409.0	237.0
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°
7197.4
6866.5
6363.8
5905.3
5629.2
5551.1
5613.6
5702.1
5702.1
5571.9
5329.6
5011.8
4644.5
4238.2
3881.3
3719.8
3482.8
3159.8
2894.1
2716.9
2586.7
2511.1
2323.6
2235.0
2128.2
2024.0
1901.6
1771.3
1641.1
1490.0
1354.6
1276.4
966.4
768.4
586.1
338.6
0.0

F REPORT)