

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: P850588

Luminaire Tested: **GLAN-SB8A-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24488 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

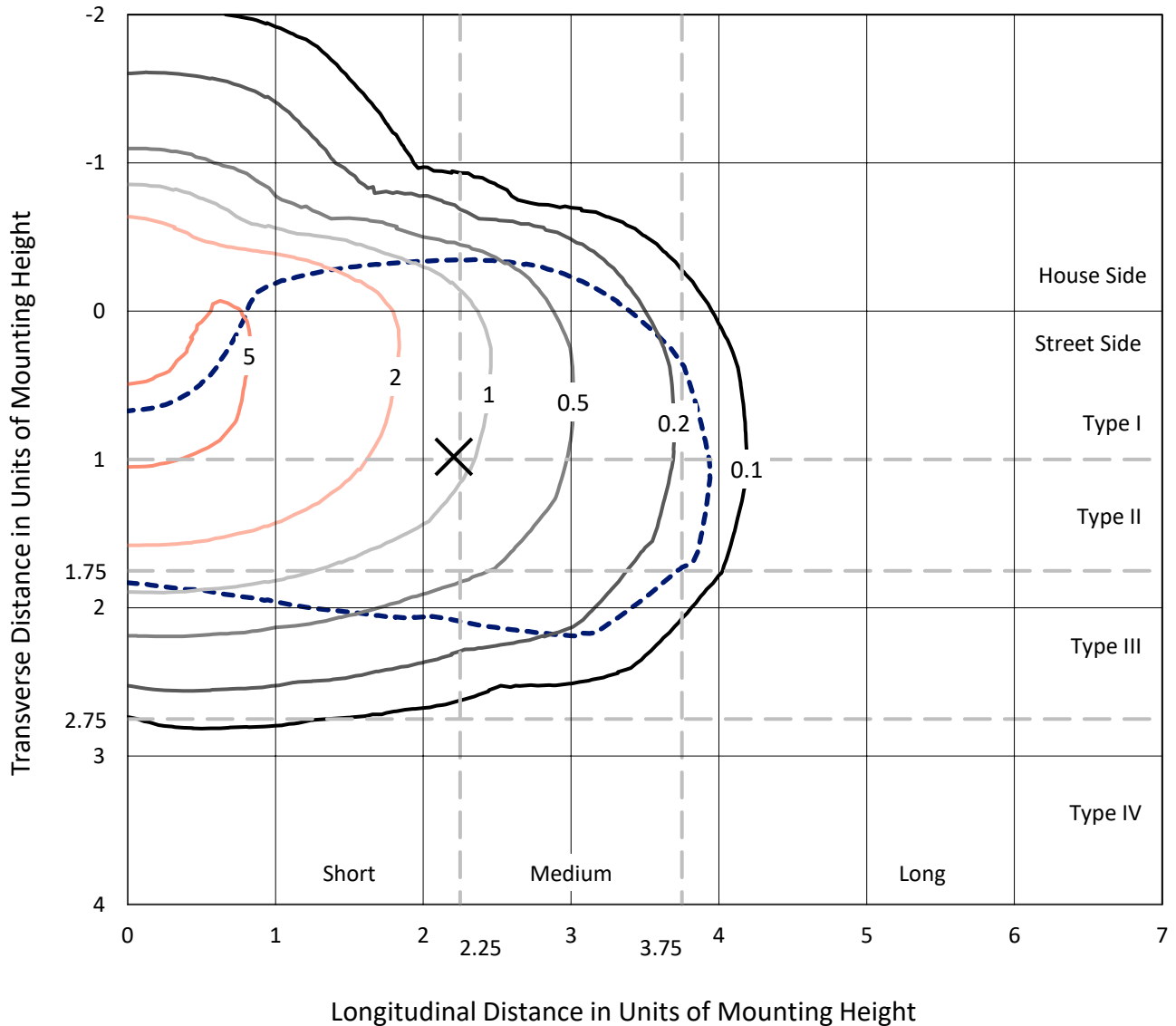
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850588
 CATALOG NUMBER: GLAN-SB8A-930-U-T3

Iso-Footcandle Lines of Horizontal Illumination

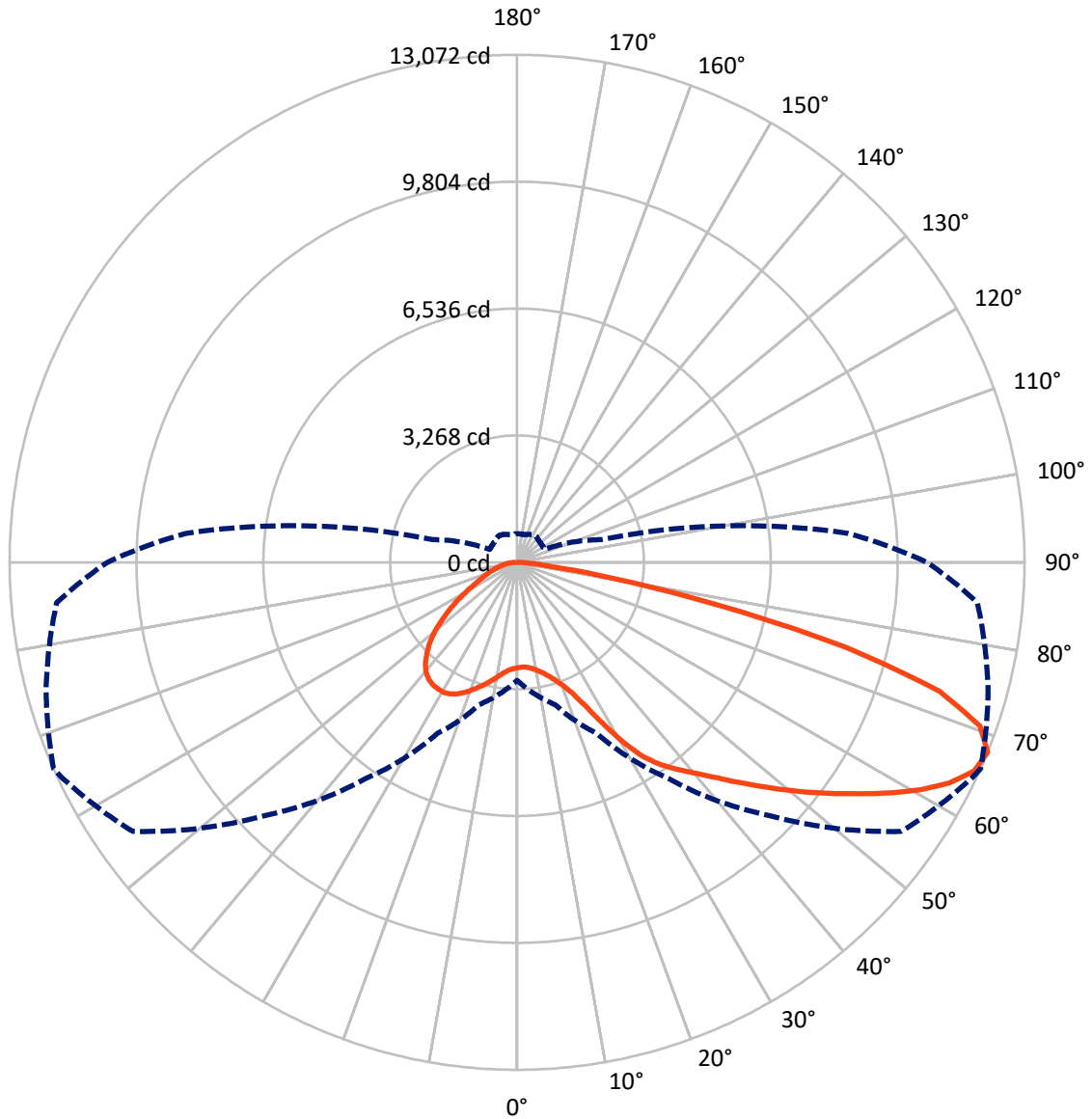
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P850588
CATALOG NUMBER: GLAN-SB8A-930-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P850588
 CATALOG NUMBER: GLAN-SB8A-930-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6088.9	0.0	6088.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18399.1	0.0	18399.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	24488.0	0.0	24488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.3	1.1
10°-20°	889.7	3.6
20°-30°	1714.8	7.0
30°-40°	3006.7	12.3
40°-50°	4470.0	18.3
50°-60°	5666.1	23.1
60°-70°	5544.2	22.6
70°-80°	2644.6	10.8
80°-90°	282.6	1.2
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°	24488.0	100.0
0°-180°	24488.0	100.0

Coefficient of Utilization



REPORT NUMBER: P850588

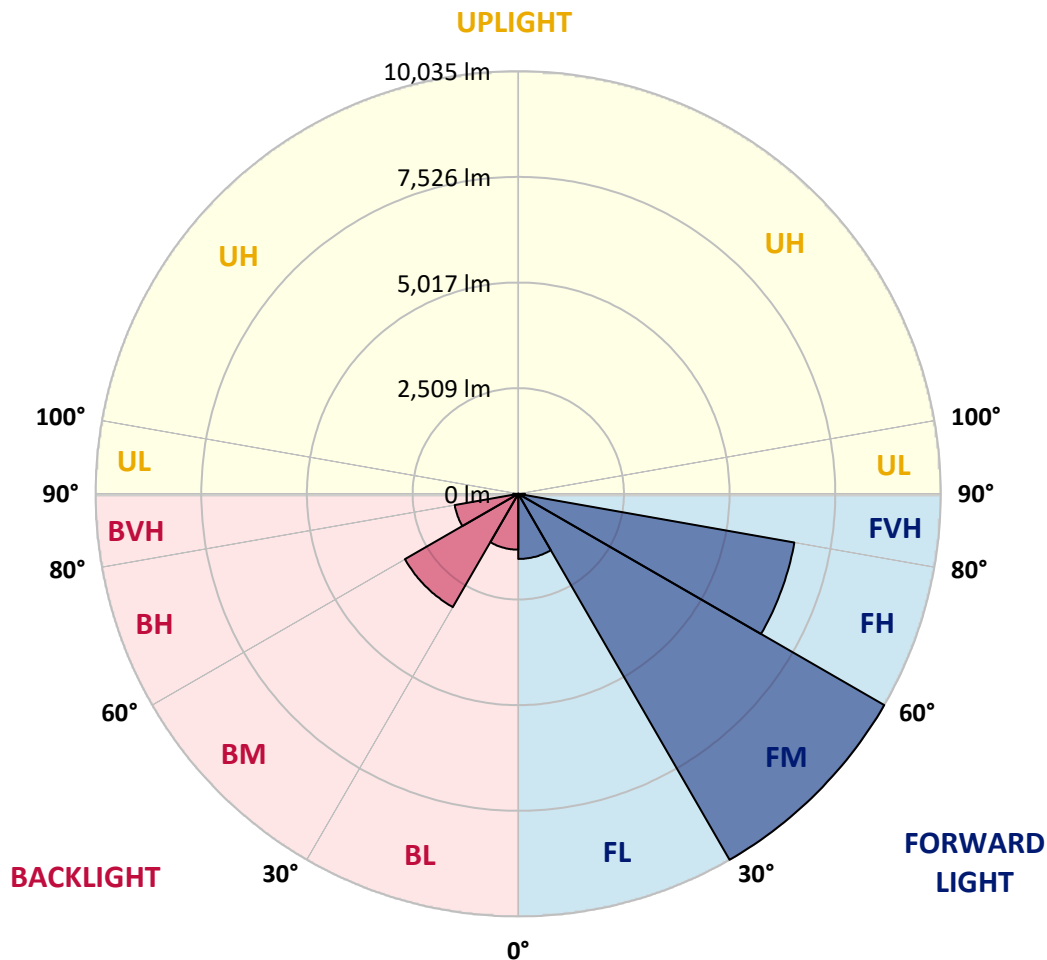
CATALOG NUMBER: GLAN-SB8A-930-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.4	6.3			
FM (30°-60°)	10035.0	41.0			
FH (60°-80°)	6656.5	27.2			G3/7500
FVH (80°-90°)	160.2	0.7			G2/225
BL (0°-30°)	1326.4	5.4	B3/2500		
BM (30°-60°)	3107.8	12.7	B3/5000		
BH (60°-80°)	1532.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	122.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



REPORT NUMBER: P850588
 CATALOG NUMBER: GLAN-SB8A-930-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0
2.5°	2687.7	2703.2	2699.3	2692.9	2691.6	2694.2	2698.0	2701.9	2700.6	2707.0
5°	2680.0	2695.5	2694.2	2694.2	2699.3	2709.6	2716.0	2722.5	2716.0	2723.8
7.5°	2685.2	2696.7	2701.9	2707.0	2719.9	2739.2	2754.6	2768.8	2761.1	2770.1
10°	2750.8	2759.8	2764.9	2764.9	2773.9	2795.8	2811.3	2837.0	2830.6	2844.7
12.5°	2870.4	2879.4	2879.4	2874.3	2880.7	2894.9	2900.0	2928.3	2916.8	2939.9
15°	3017.1	3035.1	3021.0	3012.0	3014.5	3028.7	3027.4	3049.3	3037.7	3057.0
17.5°	3179.2	3202.4	3179.2	3177.9	3172.8	3188.2	3189.5	3208.8	3188.2	3202.4
20°	3370.9	3403.1	3383.8	3390.2	3378.6	3385.1	3391.5	3419.8	3387.7	3397.9
22.5°	3641.1	3679.7	3659.1	3683.6	3675.9	3670.7	3669.4	3719.6	3669.4	3673.3
25°	4034.8	4081.1	4045.1	4078.6	4078.6	4095.3	4114.6	4178.9	4095.3	4070.8
27.5°	4616.4	4662.7	4591.9	4612.5	4606.1	4647.3	4626.7	4786.2	4696.1	4656.3
30°	5316.3	5398.6	5264.8	5259.7	5253.2	5318.9	5348.5	5454.0	5362.6	5322.7
32.5°	6072.8	6159.0	5999.5	5953.2	5928.7	5968.6	5944.2	6029.1	5966.0	5904.3
35°	6873.1	6958.0	6806.2	6716.1	6618.3	6534.7	6447.2	6469.1	6409.9	6316.0
37.5°	7629.6	7785.3	7624.5	7528.0	7347.9	7184.5	6940.0	6838.4	6783.0	6696.8
40°	8400.3	8489.1	8366.9	8284.5	8088.9	7832.9	7441.8	7226.9	7152.3	7068.7
42.5°	8967.7	9052.6	8987.0	8930.4	8777.3	8480.1	7974.4	7705.5	7597.5	7503.5
45°	9418.0	9481.1	9439.9	9460.5	9394.9	9106.7	8526.4	8218.9	8107.0	7992.4
47.5°	9599.4	9666.3	9732.0	9854.2	9966.1	9753.8	9119.5	8774.7	8656.3	8539.3
50°	9578.8	9647.0	9837.5	10097.3	10444.7	10374.0	9744.8	9366.6	9257.2	9123.4
52.5°	9414.2	9491.4	9735.8	10168.1	10721.4	10838.4	10381.7	9977.7	9874.8	9715.2
55°	8981.9	9028.2	9394.9	10007.3	10787.0	11162.7	11005.7	10628.7	10525.8	10303.2
57.5°	8180.3	8247.2	8781.1	9573.7	10622.3	11382.7	11553.8	11313.2	11214.1	10893.8
60°	7134.3	7241.1	7852.2	8845.5	10202.9	11381.4	12051.7	11986.1	11903.8	11475.3
62.5°	5950.6	6074.1	6662.1	7816.2	9469.5	11058.5	12363.1	12549.6	12507.2	12011.8
65°	4570.1	4655.0	5240.4	6484.5	8328.3	10365.0	12399.1	12934.3	12942.1	12419.7
67.5°	3042.8	3287.3	3795.5	4866.0	6799.8	9231.5	12082.6	12997.4	13072.0	12559.9
70°	1484.8	1806.4	2304.3	3162.5	4866.0	7493.2	11255.3	12480.2	12646.1	12150.8
72.5°	616.3	720.5	992.0	1560.7	2793.2	5056.4	9593.0	11077.7	11385.3	10766.4
75°	415.6	450.3	567.4	800.3	1272.5	2493.5	6918.1	8260.1	8755.4	8131.4
77.5°	320.4	342.2	413.0	559.7	756.5	943.1	3702.9	4977.9	5233.9	4845.4
80°	252.2	268.9	308.8	407.9	536.5	504.4	1262.2	2255.4	2403.4	2016.1
82.5°	218.7	225.2	221.3	276.6	356.4	294.6	414.3	832.4	918.6	666.5
85°	158.3	176.3	184.0	171.1	189.1	149.2	169.8	294.6	324.2	289.5
87.5°	64.3	95.2	117.1	110.6	69.5	42.5	52.8	86.2	99.1	108.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850588
 CATALOG NUMBER: GLAN-SB8A-930-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2716.0	0°	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0	2716.0
2717.3	2.5°	2718.6	2727.6	2734.1	2741.8	2746.9	2754.6	2770.1	2779.1	2780.4	2786.8
2737.9	5°	2743.1	2755.9	2770.1	2790.7	2813.8	2833.1	2862.7	2883.3	2891.0	2897.5
2788.1	7.5°	2795.8	2813.8	2839.6	2875.6	2909.0	2934.8	2970.8	2995.2	3019.7	3028.7
2867.9	10°	2874.3	2900.0	2937.3	2986.2	3022.3	3055.7	3093.0	3113.6	3138.1	3148.3
2963.1	12.5°	2972.1	2999.1	3048.0	3116.2	3149.6	3172.8	3185.7	3180.5	3185.7	3194.7
3077.6	15°	3084.0	3113.6	3168.9	3242.3	3265.4	3244.8	3216.5	3190.8	3186.9	3189.5
3216.5	17.5°	3216.5	3238.4	3302.7	3364.5	3347.8	3262.9	3201.1	3159.9	3139.3	3132.9
3394.1	20°	3401.8	3401.8	3454.6	3493.2	3381.2	3237.1	3140.6	3073.7	3031.3	3013.3
3636.0	22.5°	3627.0	3606.4	3639.8	3612.8	3374.8	3165.1	3031.3	2915.5	2851.1	2825.4
3974.4	25°	3912.6	3888.1	3879.1	3711.9	3328.5	3050.6	2833.1	2692.9	2636.3	2622.1
4462.0	27.5°	4343.6	4281.9	4164.8	3765.9	3243.6	2870.4	2601.5	2471.6	2439.4	2440.7
5088.6	30°	4917.4	4793.9	4507.0	3774.9	3104.6	2615.7	2364.8	2272.2	2256.7	2263.2
5614.8	32.5°	5448.8	5331.7	4857.0	3733.8	2891.0	2366.1	2152.5	2090.7	2067.6	2075.3
6016.2	35°	5865.7	5833.5	5181.2	3675.9	2628.6	2131.9	1962.1	1909.3	1864.3	1854.0
6394.5	37.5°	6259.4	6246.5	5424.4	3594.8	2368.7	1965.9	1809.0	1739.5	1673.9	1637.9
6812.6	40°	6691.7	6678.8	5583.9	3470.0	2138.4	1821.8	1671.3	1580.0	1498.9	1433.3
7286.1	42.5°	7178.0	7102.1	5659.8	3291.2	1942.8	1699.6	1559.4	1435.9	1329.1	1268.6
7821.3	45°	7709.4	7538.3	5658.5	3063.4	1778.1	1587.7	1439.7	1264.7	1165.7	1109.1
8370.7	47.5°	8272.9	7955.1	5589.1	2811.3	1618.6	1464.2	1254.4	1120.6	1055.0	1020.3
8967.7	50°	8854.5	8345.0	5470.7	2521.8	1455.2	1323.9	1138.7	1047.3	997.1	965.0
9559.5	52.5°	9401.3	8698.8	5327.9	2193.7	1289.2	1187.5	1087.2	1016.4	963.7	927.6
10133.4	55°	9909.5	9003.7	5125.9	1857.9	1154.1	1096.2	1062.7	1003.6	943.1	900.6
10716.2	57.5°	10361.1	9201.9	4777.2	1542.7	1057.6	1033.2	1037.0	981.7	912.2	876.2
11290.0	60°	10736.8	9347.3	4261.3	1250.6	979.1	971.4	997.1	940.5	859.5	818.3
11775.1	62.5°	10962.0	9344.7	3628.3	1024.1	912.2	914.8	944.4	889.1	806.7	768.1
12028.6	65°	10942.7	9115.7	2933.5	876.2	847.9	850.5	889.1	832.4	763.0	739.8
11901.2	67.5°	10555.4	8557.3	2250.3	779.7	777.1	788.7	833.7	793.8	735.9	733.4
11142.1	70°	9506.8	7398.0	1621.1	702.5	703.8	720.5	779.7	769.4	721.8	726.9
9367.8	72.5°	7623.2	5640.5	1088.5	621.4	622.7	649.7	728.2	750.1	707.6	775.8
6646.6	75°	5077.0	3517.6	699.9	535.2	536.5	571.3	683.2	712.8	669.0	773.3
3458.4	77.5°	2439.4	1581.2	506.9	450.3	450.3	482.5	590.6	638.2	570.0	600.8
1111.6	80°	842.7	594.4	398.9	362.8	355.1	377.0	497.9	553.2	491.5	452.9
362.8	82.5°	331.9	308.8	320.4	281.8	256.0	270.2	387.3	456.7	361.5	326.8
204.6	85°	190.4	200.7	226.4	186.6	148.0	166.0	284.3	328.1	272.8	240.6
66.9	87.5°	51.5	70.8	104.2	96.5	66.9	70.8	135.1	181.4	157.0	120.9
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°
<hr/>
2716.0
2785.5
2896.2
3030.0
3153.5
3197.2
3198.5
3141.9
3009.4
2821.5
2624.7
2444.6
2285.0
2085.6
1861.7
1639.1
1439.7
1272.5
1106.5
1012.6
953.4
912.2
883.9
853.0
800.3
756.5
738.5
737.2
725.7
786.1
779.7
550.7
424.6
325.5
245.7
124.8
0.0

F REPORT)