

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: P848188

Luminaire Tested: **GLAN-SB4C-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848188
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-SB4C-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25789 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

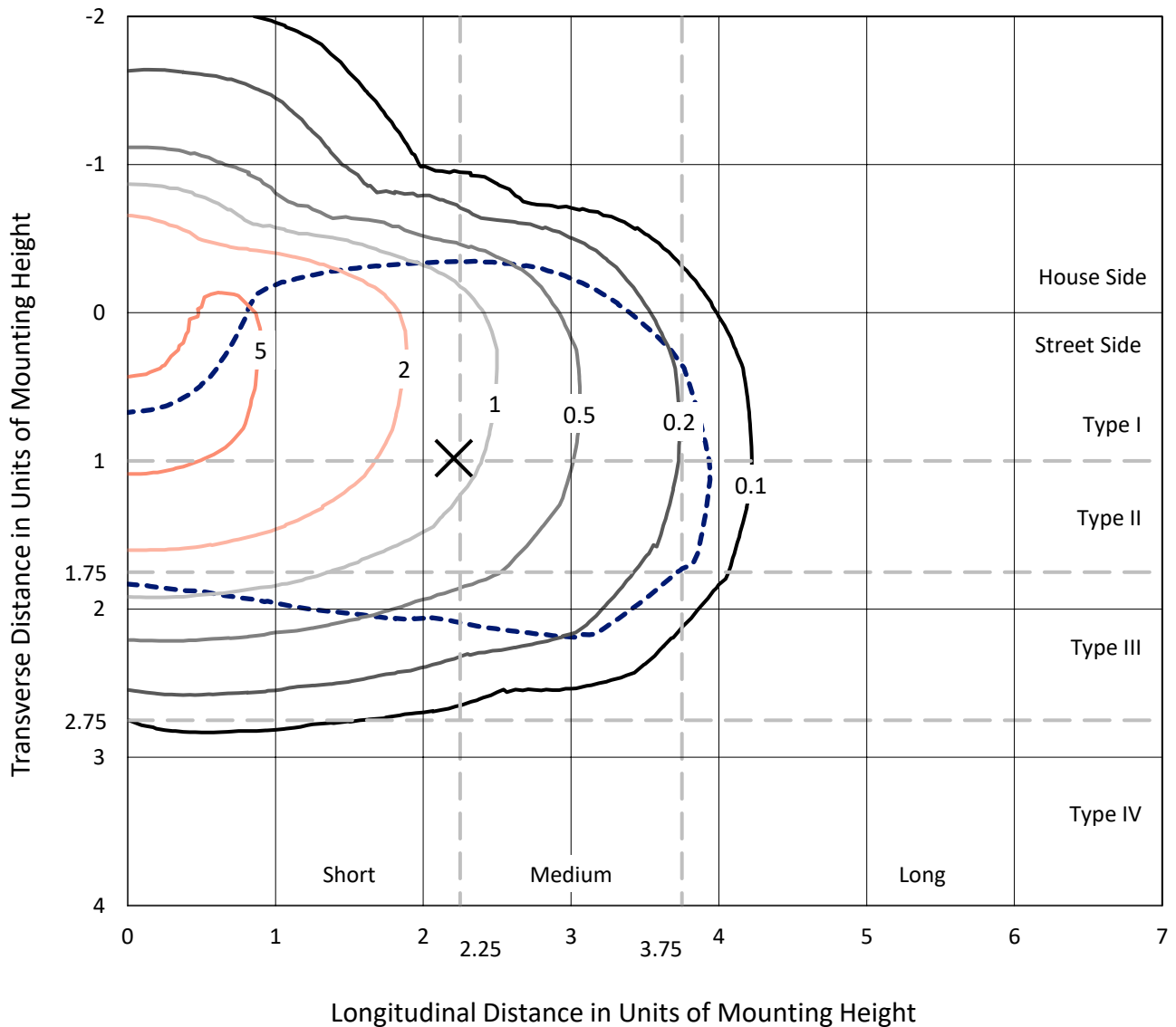
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848188
 CATALOG NUMBER: GLAN-SB4C-850-U-T3

Iso-Footcandle Lines of Horizontal Illumination

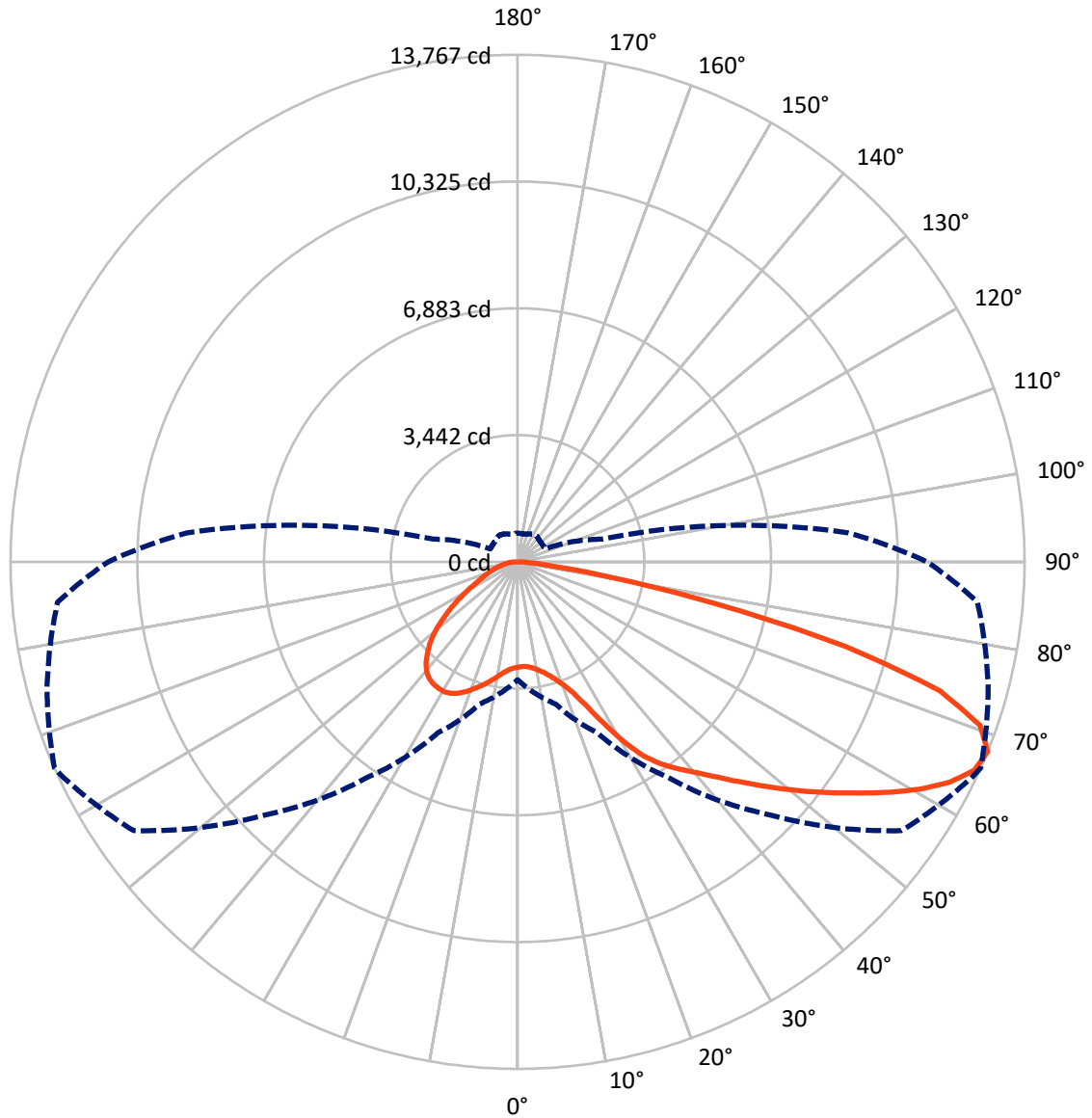
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

REPORT NUMBER: P848188
CATALOG NUMBER: GLAN-SB4C-850-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848188
 CATALOG NUMBER: GLAN-SB4C-850-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6412.4	0.0	6412.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19376.6	0.0	19376.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	25789.0	0.0	25789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	1.1
10°-20°	936.9	3.6
20°-30°	1805.9	7.0
30°-40°	3166.4	12.3
40°-50°	4707.5	18.3
50°-60°	5967.2	23.1
60°-70°	5838.7	22.6
70°-80°	2785.1	10.8
80°-90°	297.7	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°	25789.0	100.0
0°-180°	25789.0	100.0

Coefficient of Utilization



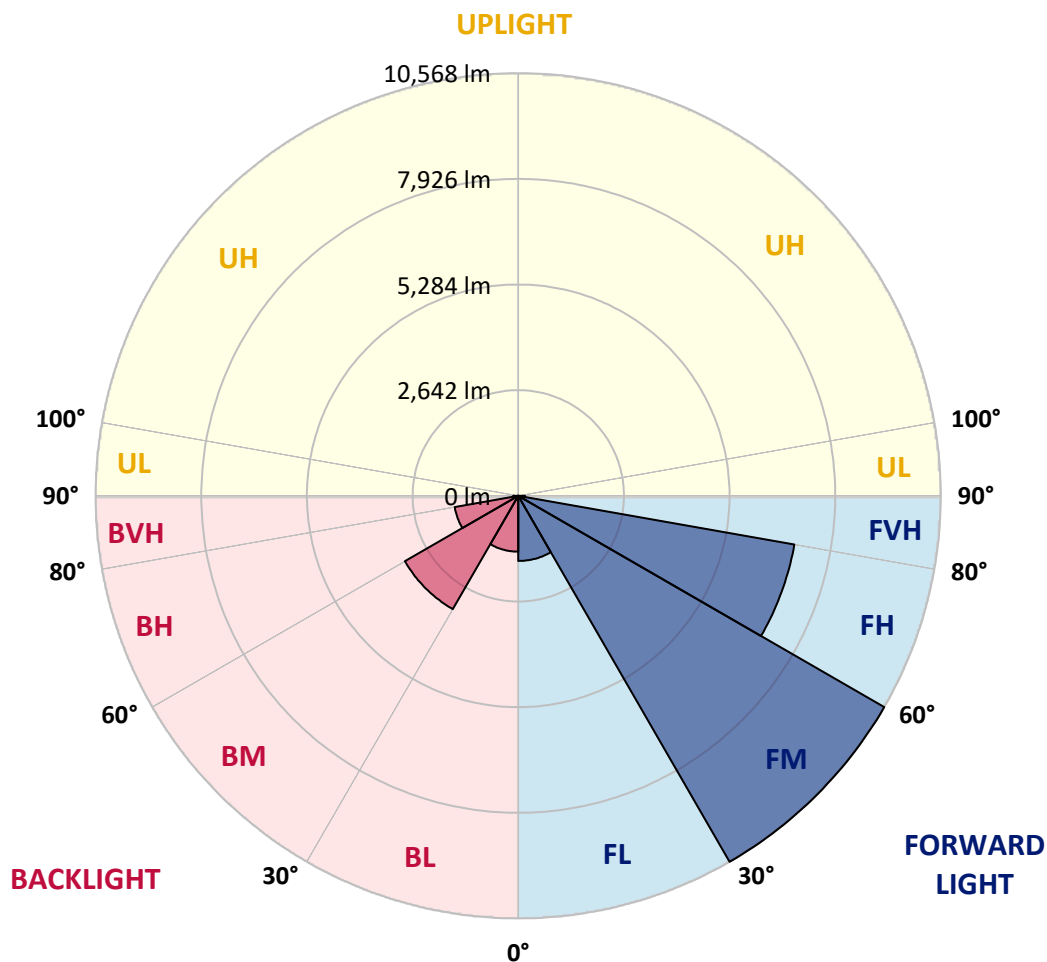
REPORT NUMBER: P848188
 CATALOG NUMBER: GLAN-SB4C-850-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.6	6.3			
FM (30°-60°)	10568.1	41.0			
FH (60°-80°)	7010.2	27.2			G3/7500
FVH (80°-90°)	168.8	0.7			G2/225
BL (0°-30°)	1396.8	5.4	B3/2500		
BM (30°-60°)	3272.9	12.7	B3/5000		
BH (60°-80°)	1613.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	128.9	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: P848188
 CATALOG NUMBER: GLAN-SB4C-850-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
2.5°	2830.5	2846.8	2842.7	2836.0	2834.6	2837.3	2841.4	2845.4	2844.1	2850.9
5°	2822.4	2838.7	2837.3	2837.3	2842.7	2853.6	2860.3	2867.1	2860.3	2868.5
7.5°	2827.8	2840.0	2845.4	2850.9	2864.4	2884.7	2901.0	2915.9	2907.8	2917.2
10°	2896.9	2906.4	2911.8	2911.8	2921.3	2944.3	2960.6	2987.7	2980.9	2995.8
12.5°	3022.9	3032.4	3032.4	3027.0	3033.8	3048.7	3054.1	3083.9	3071.7	3096.1
15°	3177.4	3196.4	3181.5	3172.0	3174.7	3189.6	3188.2	3211.3	3199.1	3219.4
17.5°	3348.1	3372.5	3348.1	3346.8	3341.4	3357.6	3359.0	3379.3	3357.6	3372.5
20°	3550.0	3583.9	3563.6	3570.3	3558.2	3564.9	3571.7	3601.5	3567.6	3578.5
22.5°	3834.6	3875.2	3853.5	3879.3	3871.1	3865.7	3864.4	3917.2	3864.4	3868.4
25°	4249.2	4298.0	4260.0	4295.3	4295.3	4312.9	4333.2	4400.9	4312.9	4287.1
27.5°	4861.6	4910.4	4835.9	4857.6	4850.8	4894.2	4872.5	5040.5	4945.6	4903.6
30°	5598.7	5685.5	5544.5	5539.1	5532.3	5601.4	5632.6	5743.7	5647.5	5605.5
32.5°	6395.5	6486.2	6318.2	6269.4	6243.7	6285.7	6260.0	6349.4	6283.0	6218.0
35°	7238.2	7327.7	7167.8	7072.9	6970.0	6881.9	6789.8	6812.8	6750.5	6651.5
37.5°	8035.0	8198.9	8029.6	7927.9	7738.2	7566.2	7308.7	7201.7	7143.4	7052.6
40°	8846.6	8940.1	8811.4	8724.6	8518.7	8249.1	7837.1	7610.9	7532.3	7444.2
42.5°	9444.1	9533.6	9464.5	9404.8	9243.6	8930.6	8398.1	8114.9	8001.1	7902.2
45°	9918.4	9984.8	9941.4	9963.1	9894.0	9590.5	8979.4	8655.5	8537.7	8417.1
47.5°	10109.4	10179.9	10249.0	10377.7	10495.6	10272.0	9604.0	9240.9	9116.2	8992.9
50°	10087.7	10159.6	10360.1	10633.8	10999.6	10925.1	10262.5	9864.2	9749.0	9608.1
52.5°	9914.3	9995.6	10253.1	10708.3	11291.0	11414.3	10933.3	10507.8	10399.4	10231.4
55°	9459.0	9507.8	9894.0	10539.0	11360.1	11755.7	11590.4	11193.4	11085.0	10850.6
57.5°	8614.9	8685.4	9247.7	10082.3	11186.6	11987.4	12167.6	11914.2	11809.9	11472.5
60°	7513.3	7625.8	8269.4	9315.4	10744.9	11986.1	12692.0	12622.9	12536.2	12085.0
62.5°	6266.7	6396.8	7016.0	8231.4	9972.6	11646.0	13019.9	13216.4	13171.7	12650.0
65°	4812.9	4902.3	5518.8	6829.0	8770.7	10915.6	13057.8	13621.5	13629.6	13079.5
67.5°	3204.5	3461.9	3997.2	5124.5	7161.0	9721.9	12724.5	13687.9	13766.5	13227.2
70°	1563.6	1902.4	2426.8	3330.5	5124.5	7891.3	11853.3	13143.2	13318.0	12796.3
72.5°	649.0	758.8	1044.7	1643.6	2941.6	5325.0	10102.7	11666.3	11990.1	11338.4
75°	437.7	474.2	597.5	842.8	1340.1	2625.9	7285.7	8698.9	9220.6	8563.4
77.5°	337.4	360.4	434.9	589.4	796.7	993.2	3899.6	5242.4	5512.0	5102.8
80°	265.6	283.2	325.2	429.5	565.0	531.1	1329.2	2375.3	2531.1	2123.2
82.5°	230.3	237.1	233.1	291.3	375.3	310.3	436.3	876.7	967.4	701.9
85°	166.7	185.6	193.8	180.2	199.2	157.2	178.9	310.3	341.5	304.9
87.5°	67.7	100.3	123.3	116.5	73.2	44.7	55.6	90.8	104.3	113.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848188
 CATALOG NUMBER: GLAN-SB4C-850-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2860.3	0°	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
2861.7	2.5°	2863.1	2872.5	2879.3	2887.4	2892.9	2901.0	2917.2	2926.7	2928.1	2934.9
2883.4	5°	2888.8	2902.3	2917.2	2938.9	2963.3	2983.6	3014.8	3036.5	3044.6	3051.4
2936.2	7.5°	2944.3	2963.3	2990.4	3028.4	3063.6	3090.7	3128.6	3154.4	3180.1	3189.6
3020.2	10°	3027.0	3054.1	3093.4	3144.9	3182.8	3218.1	3257.3	3279.0	3304.8	3315.6
3120.5	12.5°	3130.0	3158.4	3209.9	3281.7	3317.0	3341.4	3354.9	3349.5	3354.9	3364.4
3241.1	15°	3247.9	3279.0	3337.3	3414.5	3438.9	3417.2	3387.4	3360.3	3356.3	3359.0
3387.4	17.5°	3387.4	3410.5	3478.2	3543.2	3525.6	3436.2	3371.2	3327.8	3306.1	3299.4
3574.4	20°	3582.5	3582.5	3638.1	3678.7	3560.9	3409.1	3307.5	3237.0	3192.3	3173.3
3829.1	22.5°	3819.7	3798.0	3833.2	3804.8	3554.1	3333.2	3192.3	3070.4	3002.6	2975.5
4185.5	25°	4120.5	4094.7	4085.2	3909.1	3505.3	3212.6	2983.6	2836.0	2776.3	2761.4
4699.0	27.5°	4574.4	4509.3	4386.0	3966.0	3415.9	3022.9	2739.7	2602.9	2569.0	2570.4
5358.9	30°	5178.7	5048.6	4746.5	3975.5	3269.5	2754.7	2490.4	2392.9	2376.6	2383.4
5913.1	32.5°	5738.3	5615.0	5115.0	3932.1	3044.6	2491.8	2266.9	2201.8	2177.4	2185.6
6335.8	35°	6177.3	6143.4	5456.5	3871.1	2768.2	2245.2	2066.3	2010.8	1963.4	1952.5
6734.2	37.5°	6591.9	6578.4	5712.6	3785.8	2494.5	2070.4	1905.1	1831.9	1762.8	1724.9
7174.6	40°	7047.2	7033.6	5880.6	3654.4	2252.0	1918.6	1760.1	1663.9	1578.5	1509.4
7673.2	42.5°	7559.4	7479.4	5960.5	3466.0	2046.0	1789.9	1642.2	1512.1	1399.7	1336.0
8236.9	45°	8119.0	7938.8	5959.2	3226.2	1872.6	1672.0	1516.2	1331.9	1227.6	1168.0
8815.4	47.5°	8712.5	8377.8	5886.0	2960.6	1704.6	1542.0	1321.1	1180.2	1111.1	1074.5
9444.1	50°	9324.9	8788.3	5761.3	2655.7	1532.5	1394.3	1199.1	1102.9	1050.1	1016.2
10067.4	52.5°	9900.8	9160.9	5610.9	2310.2	1357.7	1250.6	1144.9	1070.4	1014.9	976.9
10671.7	55°	10436.0	9482.1	5398.2	1956.6	1215.4	1154.4	1119.2	1056.9	993.2	948.5
11285.5	57.5°	10911.6	9690.7	5031.0	1624.6	1113.8	1088.0	1092.1	1033.8	960.7	922.7
11889.9	60°	11307.2	9843.9	4487.7	1317.0	1031.1	1023.0	1050.1	990.5	905.1	861.8
12400.7	62.5°	11544.3	9841.1	3821.0	1078.6	960.7	963.4	994.5	936.3	849.6	808.9
12667.6	65°	11524.0	9600.0	3089.3	922.7	892.9	895.6	936.3	876.7	803.5	779.1
12533.5	67.5°	11116.2	9011.9	2369.8	821.1	818.4	830.6	878.0	836.0	775.0	772.3
11734.0	70°	10011.9	7791.1	1707.3	739.8	741.2	758.8	821.1	810.3	760.1	765.6
9865.5	72.5°	8028.2	5940.2	1146.3	654.5	655.8	684.3	766.9	789.9	745.2	817.0
6999.8	75°	5346.7	3704.5	737.1	563.7	565.0	601.6	719.5	750.7	704.6	814.3
3642.2	77.5°	2569.0	1665.3	533.9	474.2	474.2	508.1	621.9	672.1	600.3	632.8
1170.7	80°	887.5	626.0	420.0	382.1	374.0	397.0	524.4	582.6	517.6	476.9
382.1	82.5°	349.6	325.2	337.4	296.7	269.6	284.5	407.8	481.0	380.7	344.2
215.4	85°	200.5	211.4	238.5	196.5	155.8	174.8	299.4	345.5	287.3	253.4
70.5	87.5°	54.2	74.5	109.8	101.6	70.5	74.5	142.3	191.1	165.3	127.4
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°
2860.3
2933.5
3050.0
3191.0
3321.0
3367.1
3368.5
3308.8
3169.3
2971.4
2764.1
2574.4
2406.4
2196.4
1960.6
1726.2
1516.2
1340.1
1165.3
1066.4
1004.0
960.7
930.9
898.3
842.8
796.7
777.8
776.4
764.2
827.9
821.1
579.9
447.1
342.8
258.8
131.4
0.0

F REPORT)