

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: P850583

Luminaire Tested: **GLAN-SB8A-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24258 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

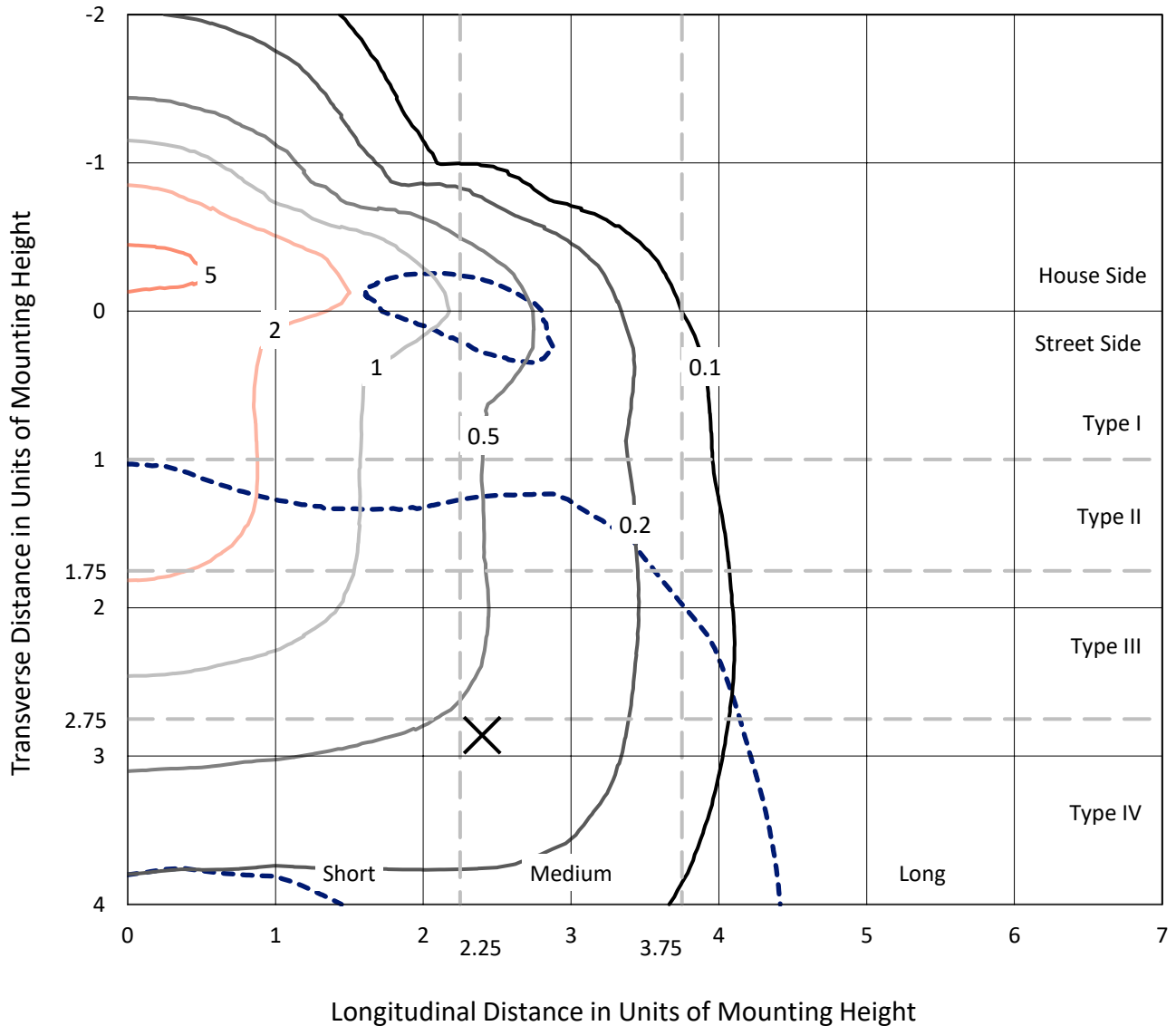
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850583
 CATALOG NUMBER: GLAN-SB8A-930-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

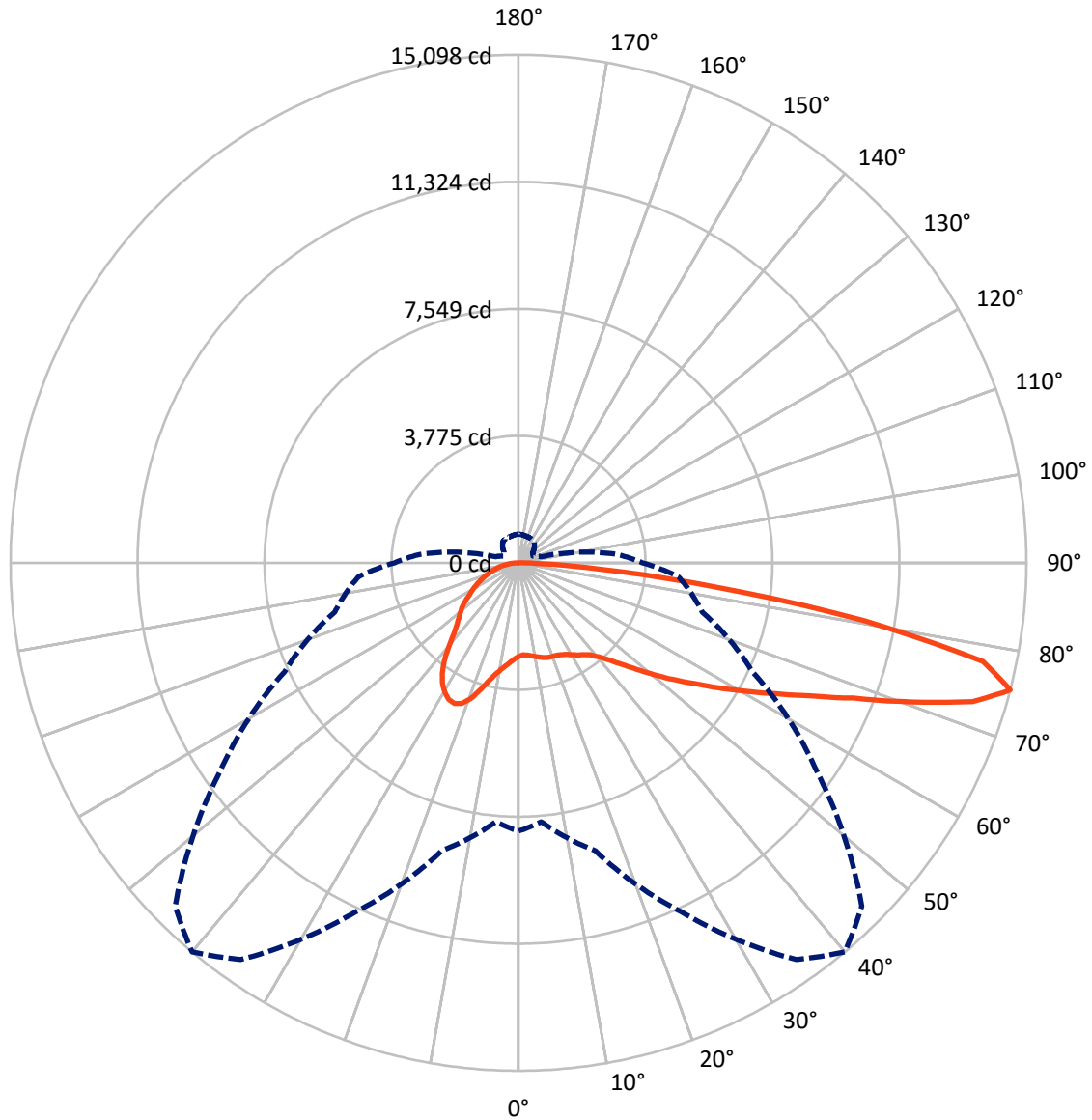
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P850583
CATALOG NUMBER: GLAN-SB8A-930-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P850583
 CATALOG NUMBER: GLAN-SB8A-930-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7515.9	0.0	7515.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16742.1	0.0	16742.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	24258.0	0.0	24258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	1.1
10°-20°	929.7	3.8
20°-30°	1697.5	7.0
30°-40°	2407.5	9.9
40°-50°	3250.8	13.4
50°-60°	4373.2	18.0
60°-70°	5550.6	22.9
70°-80°	5037.5	20.8
80°-90°	734.3	3.0
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°	24258.0	100.0
0°-180°	24258.0	100.0

Coefficient of Utilization

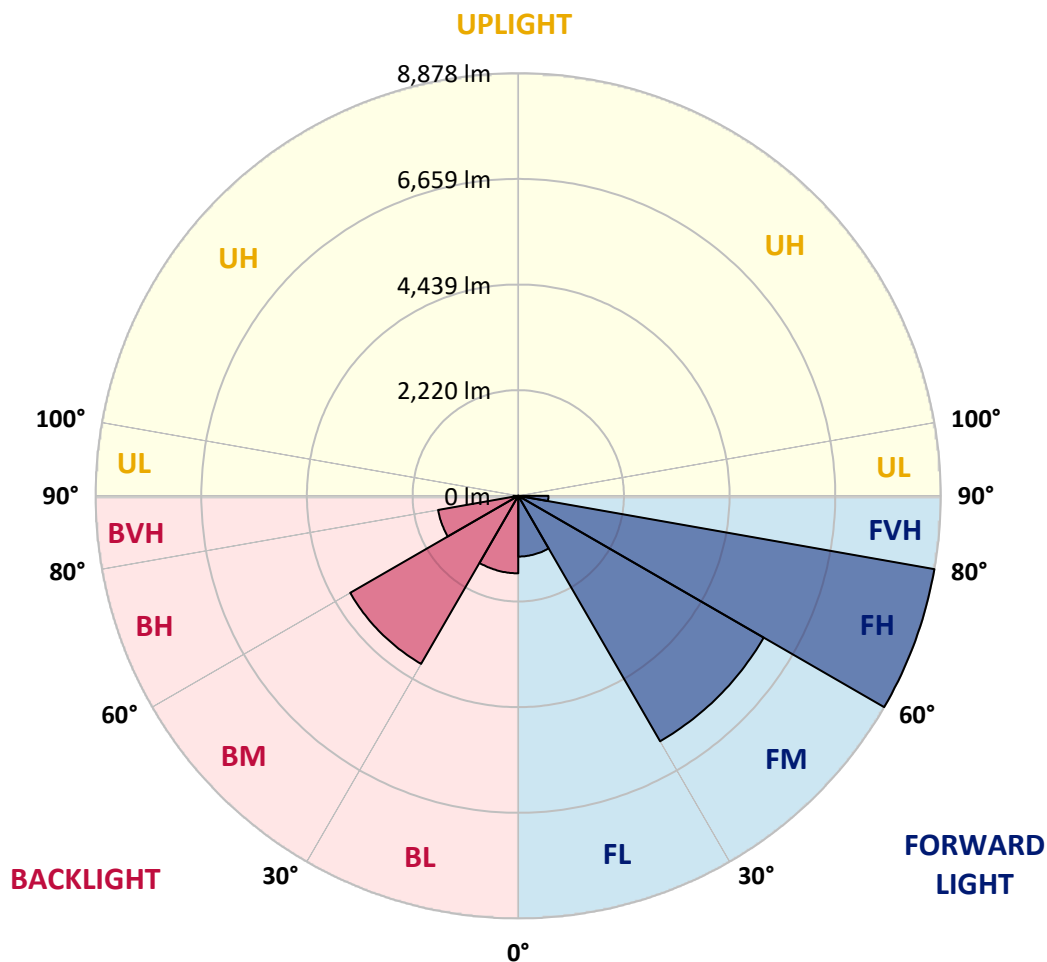


REPORT NUMBER: P850583
 CATALOG NUMBER: GLAN-SB8A-930-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1276.0	5.3			
FM (30°-60°)	5954.8	24.5			
FH (60°-80°)	8878.1	36.6			G4/12000
FVH (80°-90°)	633.2	2.6			G4/750
BL (0°-30°)	1628.0	6.7	B3/2500		
BM (30°-60°)	4076.7	16.8	B3/5000		
BH (60°-80°)	1710.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	101.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium



REPORT NUMBER: P850583
 CATALOG NUMBER: GLAN-SB8A-930-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9
2.5°	2731.5	2746.9	2743.1	2737.9	2737.9	2739.2	2737.9	2746.9	2755.9	2764.9
5°	2759.8	2775.2	2767.5	2761.1	2755.9	2754.6	2750.8	2749.5	2754.6	2766.2
7.5°	2815.1	2830.5	2819.0	2807.4	2797.1	2791.9	2786.8	2779.1	2775.2	2781.7
10°	2876.9	2892.3	2878.2	2857.6	2840.8	2834.4	2829.3	2821.5	2816.4	2820.3
12.5°	2938.6	2954.1	2934.8	2906.5	2884.6	2880.7	2874.3	2871.7	2870.4	2869.1
15°	2996.5	3009.4	2984.9	2951.5	2928.3	2921.9	2915.5	2919.3	2925.8	2933.5
17.5°	3041.5	3054.4	3018.4	2974.6	2952.8	2950.2	2946.3	2959.2	2977.2	2996.5
20°	3082.7	3095.6	3049.3	2990.1	2964.4	2964.4	2965.6	2992.7	3018.4	3046.7
22.5°	3140.6	3150.9	3094.3	3013.2	2975.9	2978.5	2988.8	3015.8	3048.0	3086.6
25°	3226.8	3234.5	3165.1	3057.0	3014.5	3022.3	3031.3	3044.1	3075.0	3120.0
27.5°	3365.8	3372.2	3280.9	3134.2	3069.9	3082.7	3095.6	3086.6	3100.7	3139.3
30°	3561.3	3565.2	3449.4	3255.1	3163.8	3170.2	3172.8	3135.5	3108.5	3139.3
32.5°	3792.9	3791.6	3654.0	3401.8	3270.6	3264.1	3242.3	3168.9	3105.9	3132.9
35°	4151.9	4137.7	3960.2	3607.7	3391.5	3351.6	3300.2	3206.2	3118.7	3126.5
37.5°	4746.3	4702.6	4456.8	3944.8	3571.6	3470.0	3394.1	3266.7	3147.1	3123.9
40°	5416.6	5361.3	5091.1	4406.6	3841.8	3678.4	3556.2	3352.9	3193.4	3135.5
42.5°	6211.8	6133.3	5842.5	4950.9	4184.1	3947.3	3763.3	3462.3	3261.6	3172.8
45°	7188.3	7084.1	6672.4	5564.6	4615.1	4299.9	4054.1	3628.2	3365.8	3244.8
47.5°	8175.1	8200.9	7615.5	6267.1	5132.3	4734.7	4418.2	3877.8	3517.6	3360.6
50°	9223.7	9241.7	8553.4	7045.5	5719.0	5226.2	4827.4	4157.0	3728.6	3525.3
52.5°	10042.0	10044.6	9405.1	7859.9	6330.1	5766.6	5268.7	4476.1	3973.1	3744.0
55°	10554.1	10547.6	10002.1	8630.6	7032.6	6334.0	5757.6	4838.9	4271.6	4001.4
57.5°	10925.9	10906.6	10413.8	9293.2	7781.4	7004.3	6310.8	5250.7	4624.1	4307.6
60°	11067.4	11055.9	10693.0	9865.7	8568.8	7745.4	6949.0	5711.3	5024.2	4669.1
62.5°	11121.5	11143.3	10967.1	10420.3	9411.6	8566.3	7650.2	6261.9	5474.5	5078.3
65°	11311.9	11351.8	11315.7	11145.9	10363.7	9527.4	8580.4	6916.8	5966.0	5517.0
67.5°	11688.9	11728.8	11744.2	12014.4	11526.8	10725.2	9740.9	7732.5	6541.1	5972.5
70°	11679.9	11668.3	11941.0	12705.3	12983.2	12383.6	11305.5	8736.1	7226.9	6350.7
72.5°	10631.3	10538.6	11183.2	12697.6	14195.2	14115.4	13216.1	10030.4	7818.7	6397.0
75°	7975.7	7728.7	8867.3	11443.1	14397.2	15098.4	14430.6	10833.3	7678.5	5652.1
77.5°	3410.8	3162.5	4504.4	8471.1	12885.4	14114.1	13316.4	9451.4	6129.4	3737.6
80°	892.9	891.6	1361.2	3840.5	8763.1	10422.8	9143.9	6103.7	3502.2	1335.5
82.5°	369.3	360.3	500.5	1493.8	4281.8	5848.9	4773.3	2722.5	1264.7	361.5
85°	137.7	136.4	243.2	515.9	1510.5	2412.4	1745.9	696.1	315.2	176.3
87.5°	38.6	37.3	52.8	178.8	368.0	558.4	298.5	114.5	88.8	69.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850583
 CATALOG NUMBER: GLAN-SB8A-930-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2773.9	0°	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9	2773.9
2779.1	2.5°	2782.9	2789.4	2801.0	2810.0	2821.5	2834.4	2852.4	2864.0	2875.6	2883.3
2785.5	5°	2794.5	2808.7	2838.3	2867.9	2902.6	2934.8	2972.1	2999.1	3021.0	3027.4
2808.7	7.5°	2820.3	2843.4	2893.6	2943.8	2999.1	3051.8	3105.9	3152.2	3189.5	3203.7
2849.8	10°	2865.3	2896.2	2966.9	3037.7	3111.0	3192.1	3261.6	3328.5	3381.2	3403.1
2898.7	12.5°	2921.9	2960.5	3053.1	3150.9	3252.6	3364.5	3454.6	3536.9	3602.5	3632.1
2966.9	15°	2995.2	3045.4	3163.8	3295.0	3444.3	3599.9	3714.4	3805.8	3879.1	3915.2
3037.7	17.5°	3075.0	3141.9	3291.2	3489.3	3702.9	3907.4	4041.2	4108.2	4184.1	4218.8
3103.3	20°	3152.2	3234.5	3448.1	3736.3	4020.7	4238.1	4346.2	4364.2	4369.3	4373.2
3165.1	22.5°	3232.0	3342.6	3645.0	4047.7	4352.6	4503.1	4518.6	4441.4	4333.3	4283.1
3225.5	25°	3319.5	3466.1	3902.3	4391.2	4638.2	4656.2	4537.9	4350.0	4145.5	4051.5
3274.4	27.5°	3404.4	3608.9	4211.1	4719.3	4844.1	4685.8	4431.1	4164.8	3917.7	3818.7
3309.2	30°	3489.3	3772.3	4552.0	5006.2	4938.0	4612.5	4262.5	3965.3	3717.0	3612.8
3340.0	32.5°	3575.5	3962.8	4944.4	5213.4	4921.3	4456.8	4052.8	3741.5	3522.7	3413.4
3367.1	35°	3673.3	4196.9	5316.3	5326.6	4809.4	4227.8	3776.2	3473.9	3283.4	3195.9
3399.2	37.5°	3800.7	4494.1	5644.4	5354.9	4613.8	3892.0	3432.7	3157.3	3000.4	2960.5
3446.8	40°	3958.9	4851.8	5895.3	5309.8	4324.3	3484.1	3057.0	2837.0	2748.2	2757.2
3511.2	42.5°	4164.8	5251.9	6071.5	5194.1	3921.6	3063.4	2727.6	2629.8	2672.3	2708.3
3607.7	45°	4432.4	5667.5	6180.9	4997.2	3466.1	2707.0	2533.3	2556.5	2588.7	2592.5
3763.3	47.5°	4774.6	6088.2	6252.9	4700.0	3001.7	2456.1	2409.8	2415.0	2408.5	2381.5
3996.2	50°	5201.8	6497.4	6317.3	4306.3	2606.7	2299.2	2237.4	2219.4	2130.6	2043.1
4306.3	52.5°	5688.1	6873.1	6344.3	3817.4	2299.2	2167.9	2067.6	1954.4	1788.4	1761.4
4696.1	55°	6228.5	7220.5	6274.8	3216.5	2040.6	1999.4	1847.6	1711.2	1693.2	1670.0
5209.5	57.5°	6874.4	7594.9	6133.3	2546.2	1775.5	1802.5	1654.6	1670.0	1637.9	1601.8
5869.5	60°	7580.7	7982.1	5885.0	1935.1	1501.5	1556.8	1604.4	1603.1	1594.1	1564.5
6565.6	62.5°	8216.3	8236.9	5396.0	1482.2	1260.9	1366.4	1496.3	1495.0	1487.3	1470.6
7292.5	65°	8594.6	8198.3	4580.3	1167.0	1062.7	1209.4	1349.7	1359.9	1361.2	1359.9
7839.3	67.5°	8527.7	7746.7	3461.0	928.9	899.3	1049.9	1204.3	1218.4	1228.7	1231.3
7908.8	70°	7771.1	6754.7	2256.7	741.1	754.0	909.6	1066.6	1080.8	1089.8	1100.1
6862.8	72.5°	6057.4	4966.3	1291.8	599.6	626.6	788.7	930.2	946.9	952.1	971.4
4775.9	75°	3691.3	2920.6	697.3	472.2	514.6	674.2	795.1	814.4	823.4	846.6
2345.5	77.5°	1754.9	1264.7	397.6	368.0	414.3	550.7	671.6	693.5	669.0	681.9
647.2	80°	593.1	469.6	250.9	280.5	316.5	429.7	537.8	559.7	508.2	505.6
214.9	82.5°	207.1	190.4	159.5	186.6	204.6	307.5	406.6	434.9	378.3	377.0
96.5	85°	81.1	77.2	88.8	101.6	122.2	189.1	267.6	281.8	232.9	187.8
28.3	87.5°	16.7	18.0	21.9	23.2	37.3	65.6	96.5	118.4	93.9	79.8
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°
2773.9
2878.2
3030.0
3204.9
3404.4
3632.1
3912.6
4217.5
4383.5
4297.3
4065.7
3830.2
3624.4
3427.5
3215.2
2988.8
2788.1
2741.8
2618.3
2402.1
2054.7
1770.4
1673.9
1595.4
1554.2
1464.2
1359.9
1233.9
1105.2
979.1
849.2
671.6
500.5
359.0
185.3
73.3
0.0

F REPORT)