

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: P850563

Luminaire Tested: **GLAN-SB8A-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850563
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-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 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: 30873 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

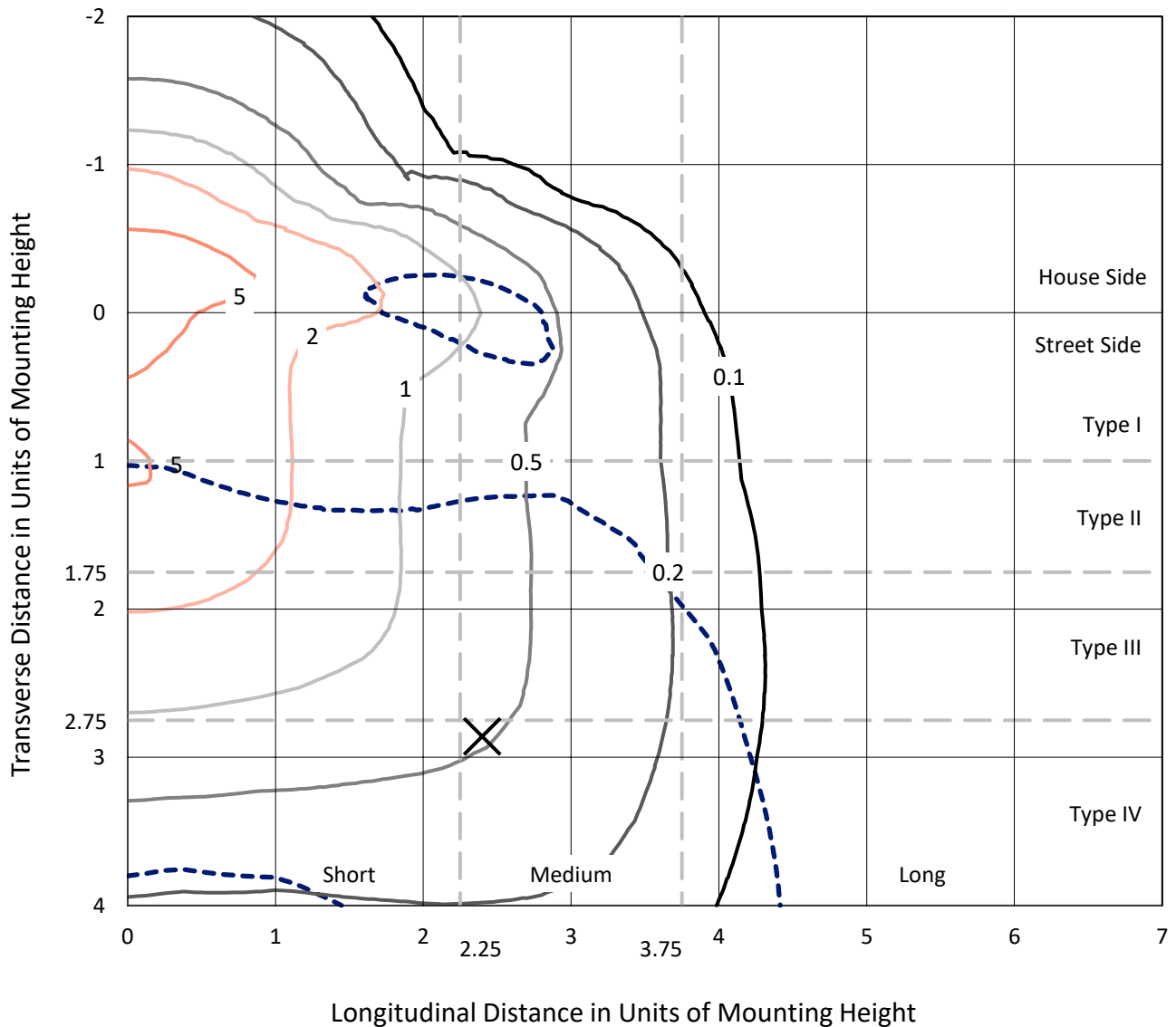
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850563
 CATALOG NUMBER: GLAN-SB8A-850-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

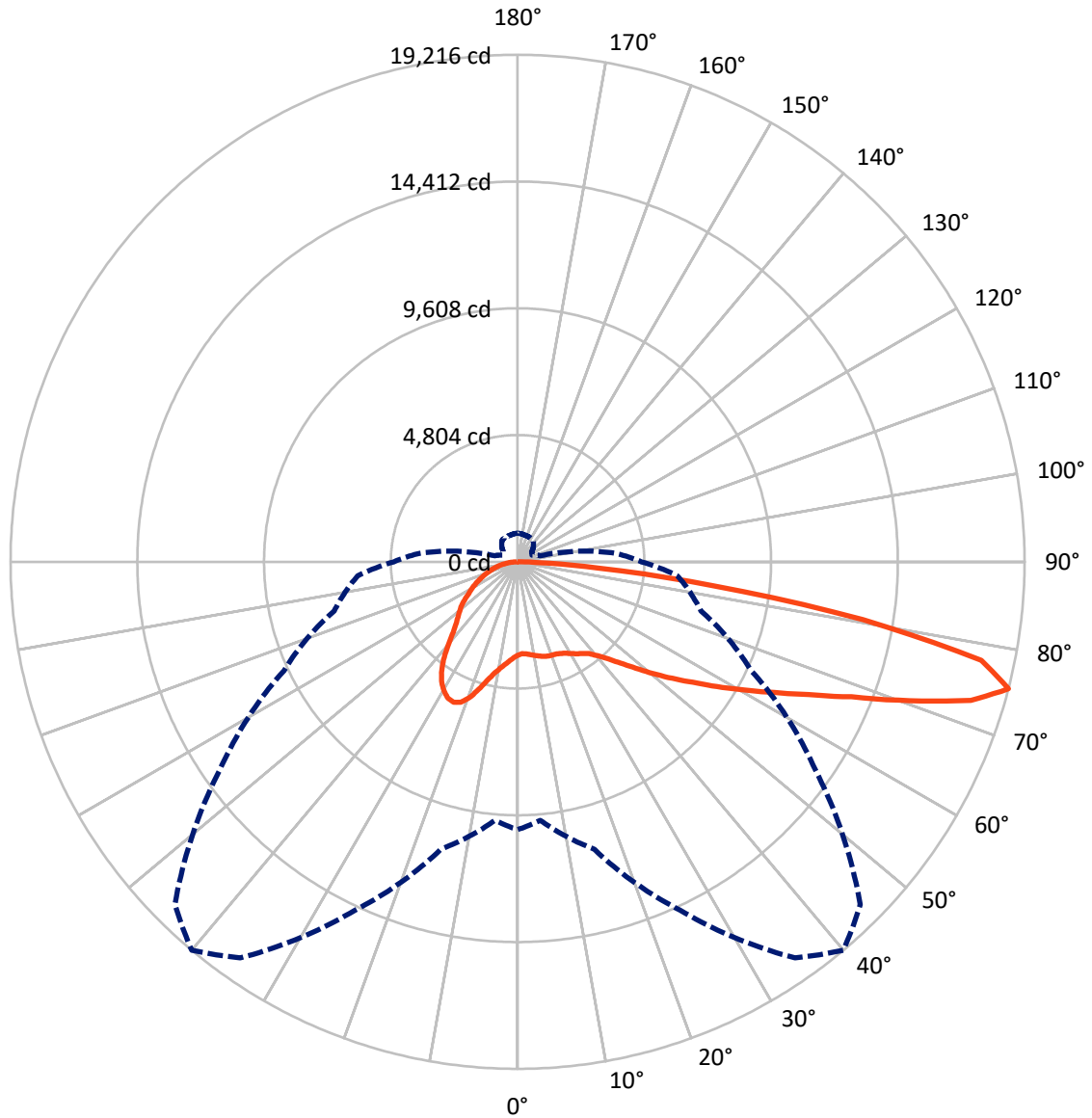
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P850563
CATALOG NUMBER: GLAN-SB8A-850-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850563
 CATALOG NUMBER: GLAN-SB8A-850-U-SL4

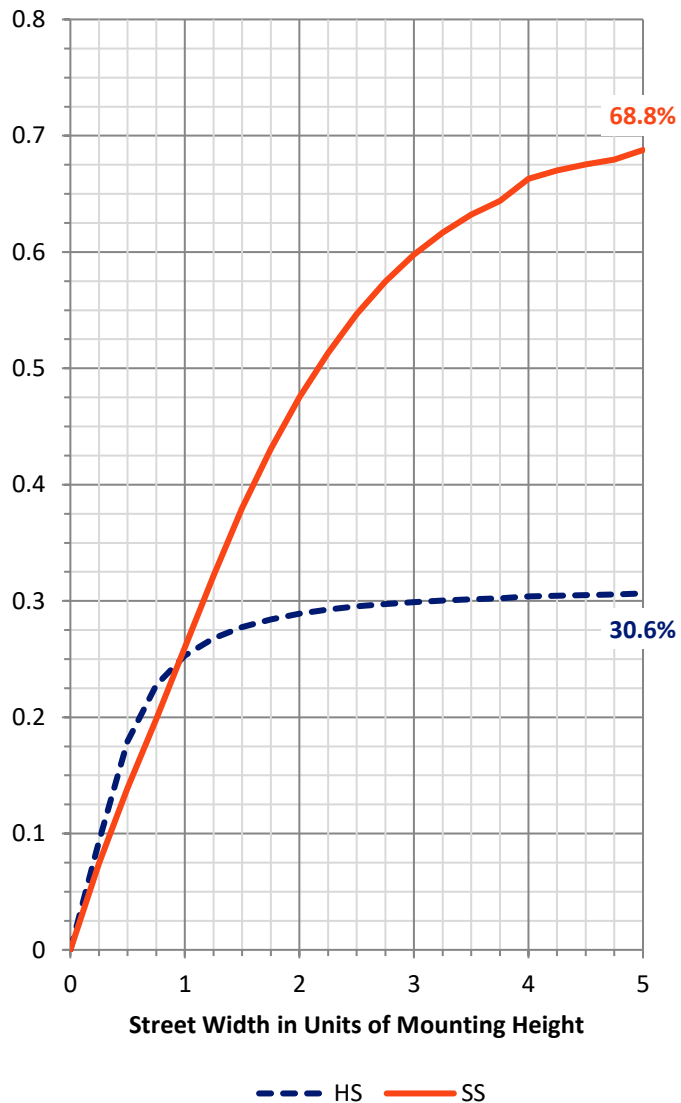
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9565.5	0.0	9565.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	21307.5	0.0	21307.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	30873.0	0.0	30873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.4	1.1
10°-20°	1183.2	3.8
20°-30°	2160.4	7.0
30°-40°	3064.0	9.9
40°-50°	4137.3	13.4
50°-60°	5565.8	18.0
60°-70°	7064.2	22.9
70°-80°	6411.2	20.8
80°-90°	934.6	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°	30873.0	100.0
0°-180°	30873.0	100.0

Coefficient of Utilization

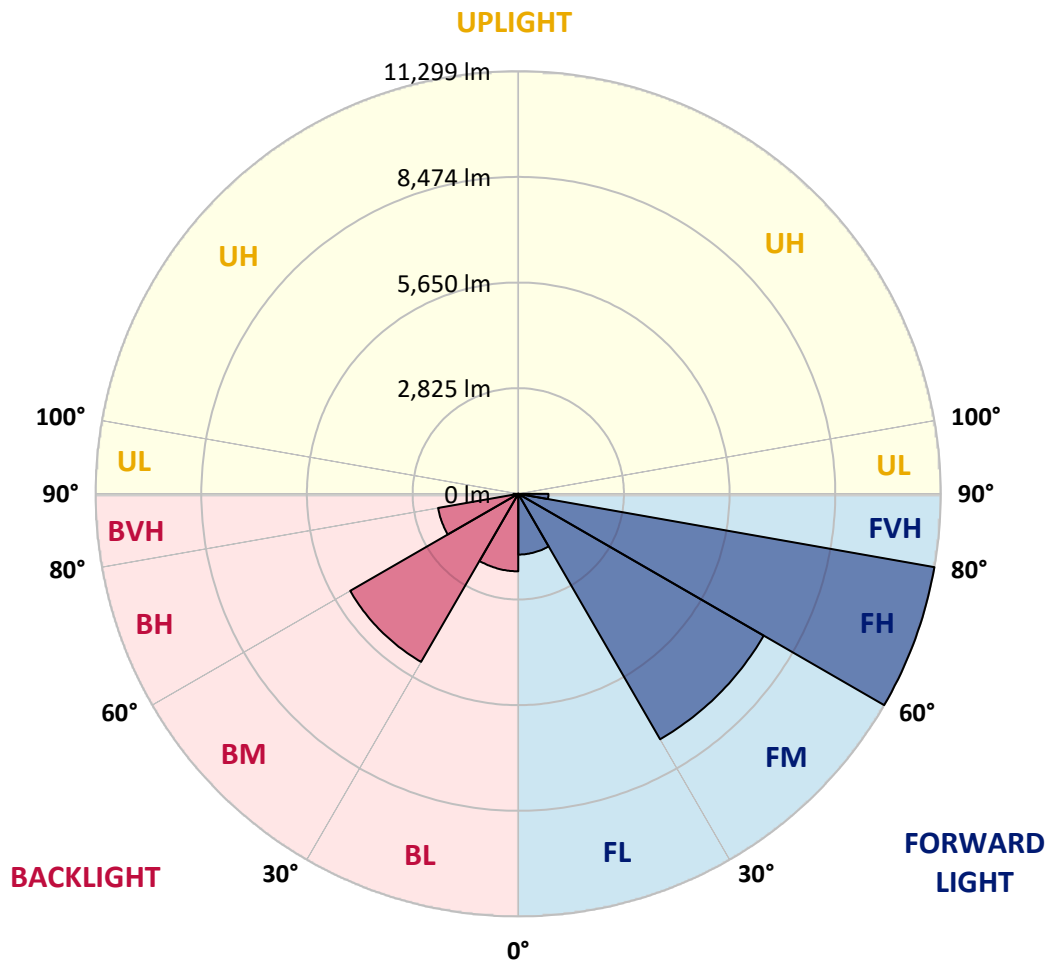


REPORT NUMBER: P850563
 CATALOG NUMBER: GLAN-SB8A-850-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1623.9	5.3			
FM (30°-60°)	7578.6	24.5			
FH (60°-80°)	11299.0	36.6			G4/12000
FVH (80°-90°)	805.9	2.6			G5
BL (0°-30°)	2072.0	6.7	B3/2500		
BM (30°-60°)	5188.4	16.8	B4/8500		
BH (60°-80°)	2176.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	128.7	0.4			G2/225
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 Medium



REPORT NUMBER: P850563
 CATALOG NUMBER: GLAN-SB8A-850-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4
2.5°	3476.3	3496.0	3491.1	3484.5	3484.5	3486.2	3484.5	3496.0	3507.4	3518.9
5°	3512.4	3532.0	3522.2	3514.0	3507.4	3505.8	3500.9	3499.3	3505.8	3520.5
7.5°	3582.8	3602.4	3587.7	3572.9	3559.8	3553.3	3546.7	3536.9	3532.0	3540.2
10°	3661.4	3681.0	3663.0	3636.8	3615.5	3607.3	3600.8	3591.0	3584.4	3589.3
12.5°	3740.0	3759.6	3735.1	3699.0	3671.2	3666.3	3658.1	3654.8	3653.2	3651.5
15°	3813.6	3830.0	3798.9	3756.3	3726.9	3718.7	3710.5	3715.4	3723.6	3733.4
17.5°	3871.0	3887.3	3841.5	3785.8	3758.0	3754.7	3749.8	3766.2	3789.1	3813.6
20°	3923.4	3939.7	3880.8	3805.5	3772.7	3772.7	3774.4	3808.7	3841.5	3877.5
22.5°	3997.0	4010.1	3938.1	3834.9	3787.5	3790.7	3803.8	3838.2	3879.1	3928.3
25°	4106.8	4116.6	4028.2	3890.6	3836.6	3846.4	3857.9	3874.2	3913.5	3970.8
27.5°	4283.6	4291.8	4175.5	3988.9	3907.0	3923.4	3939.7	3928.3	3946.3	3995.4
30°	4532.5	4537.4	4390.0	4142.8	4026.5	4034.7	4038.0	3990.5	3956.1	3995.4
32.5°	4827.2	4825.6	4650.4	4329.5	4162.4	4154.2	4126.4	4033.1	3952.8	3987.2
35°	5284.1	5266.1	5040.1	4591.4	4316.4	4265.6	4200.1	4080.6	3969.2	3979.0
37.5°	6040.6	5984.9	5672.2	5020.5	4545.6	4416.2	4319.6	4157.5	4005.2	3975.8
40°	6893.7	6823.3	6479.4	5608.3	4889.5	4681.5	4525.9	4267.2	4064.2	3990.5
42.5°	7905.7	7805.8	7435.7	6301.0	5325.0	5023.7	4789.6	4406.4	4151.0	4038.0
45°	9148.5	9015.9	8491.9	7082.0	5873.6	5472.4	5159.6	4617.6	4283.6	4129.7
47.5°	10404.4	10437.2	9692.1	7976.1	6531.8	6025.9	5623.0	4935.3	4476.8	4277.1
50°	11739.0	11761.9	10885.8	8966.7	7278.5	6651.4	6143.8	5290.6	4745.4	4486.6
52.5°	12780.4	12783.7	11969.8	10003.3	8056.3	7339.1	6705.4	5696.7	5056.5	4765.0
55°	13432.1	13423.9	12729.6	10984.1	8950.4	8061.2	7327.6	6158.5	5436.4	5092.5
57.5°	13905.3	13880.8	13253.6	11827.4	9903.4	8914.3	8031.8	6682.5	5885.0	5482.2
60°	14085.5	14070.7	13608.9	12556.1	10905.5	9857.5	8843.9	7268.7	6394.3	5942.4
62.5°	14154.2	14182.1	13957.7	13261.8	11978.0	10902.2	9736.4	7969.5	6967.4	6463.1
65°	14396.6	14447.3	14401.5	14185.3	13189.8	12125.4	10920.2	8803.0	7592.9	7021.4
67.5°	14876.3	14927.1	14946.8	15290.6	14670.0	13649.9	12397.2	9841.1	8324.9	7601.1
70°	14864.9	14850.1	15197.3	16169.9	16523.6	15760.6	14388.4	11118.4	9197.6	8082.5
72.5°	13530.4	13412.5	14232.8	16160.1	18066.1	17964.6	16820.0	12765.7	9950.9	8141.5
75°	10150.6	9836.2	11285.4	14563.6	18323.2	19215.6	18365.8	13787.4	9772.4	7193.4
77.5°	4340.9	4024.9	5732.8	10781.1	16399.2	17963.0	16947.7	12028.8	7800.9	4756.8
80°	1136.4	1134.8	1732.4	4887.8	11152.8	13265.1	11637.4	7768.1	4457.2	1699.7
82.5°	470.0	458.5	637.0	1901.1	5449.5	7443.9	6075.0	3464.9	1609.6	460.1
85°	175.2	173.6	309.5	656.6	1922.4	3070.2	2222.0	885.9	401.2	224.3
87.5°	49.1	47.5	67.1	227.6	468.3	710.7	379.9	145.7	113.0	88.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850563
 CATALOG NUMBER: GLAN-SB8A-850-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3530.4	0°	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4	3530.4
3536.9	2.5°	3541.8	3550.0	3564.8	3576.2	3591.0	3607.3	3630.3	3645.0	3659.7	3669.6
3545.1	5°	3556.6	3574.6	3612.2	3649.9	3694.1	3735.1	3782.5	3816.9	3844.8	3852.9
3574.6	7.5°	3589.3	3618.8	3682.7	3746.5	3816.9	3884.1	3952.8	4011.8	4059.3	4077.3
3627.0	10°	3646.6	3685.9	3776.0	3866.0	3959.4	4062.5	4151.0	4236.1	4303.3	4331.1
3689.2	12.5°	3718.7	3767.8	3885.7	4010.1	4139.5	4282.0	4396.6	4501.4	4584.9	4622.6
3776.0	15°	3812.0	3875.9	4026.5	4193.5	4383.5	4581.6	4727.4	4843.6	4936.9	4982.8
3866.0	17.5°	3913.5	3998.7	4188.6	4440.8	4712.6	4973.0	5143.3	5228.4	5325.0	5369.2
3949.6	20°	4011.8	4116.6	4388.4	4755.2	5117.1	5393.8	5531.3	5554.3	5560.8	5565.7
4028.2	22.5°	4113.3	4254.1	4638.9	5151.5	5539.5	5731.1	5750.8	5652.5	5515.0	5451.1
4105.1	25°	4224.7	4411.3	4966.4	5588.7	5903.1	5926.0	5775.3	5536.3	5275.9	5156.4
4167.3	27.5°	4332.7	4593.1	5359.4	6006.2	6165.0	5963.6	5639.4	5300.5	4986.1	4860.0
4211.6	30°	4440.8	4801.0	5793.3	6371.4	6284.6	5870.3	5424.9	5046.7	4730.6	4598.0
4250.9	32.5°	4550.5	5043.4	6292.8	6635.0	6263.3	5672.2	5158.0	4761.7	4483.4	4344.2
4285.2	35°	4675.0	5341.4	6766.0	6779.1	6120.8	5380.7	4806.0	4421.1	4178.8	4067.5
4326.2	37.5°	4837.1	5719.7	7183.5	6815.1	5871.9	4953.3	4368.7	4018.3	3818.6	3767.8
4386.8	40°	5038.5	6174.9	7502.9	6757.8	5503.5	4434.2	3890.6	3610.6	3497.6	3509.1
4468.6	42.5°	5300.5	6684.1	7727.2	6610.4	4991.0	3898.8	3471.4	3347.0	3401.0	3446.9
4591.4	45°	5641.1	7213.0	7866.4	6359.9	4411.3	3445.2	3224.2	3253.6	3294.6	3299.5
4789.6	47.5°	6076.6	7748.5	7958.1	5981.6	3820.2	3125.9	3067.0	3073.5	3065.3	3030.9
5086.0	50°	6620.3	8269.2	8039.9	5480.6	3317.5	2926.1	2847.5	2824.6	2711.6	2600.3
5480.6	52.5°	7239.2	8747.3	8074.3	4858.4	2926.1	2759.1	2631.4	2487.3	2276.1	2241.7
5976.7	55°	7927.0	9189.4	7985.9	4093.7	2597.0	2544.6	2351.4	2177.8	2154.9	2125.4
6630.1	57.5°	8749.0	9665.9	7805.8	3240.5	2259.7	2294.1	2105.8	2125.4	2084.5	2038.6
7470.1	60°	9647.9	10158.8	7489.8	2462.7	1910.9	1981.3	2041.9	2040.3	2028.8	1991.2
8356.0	62.5°	10456.8	10483.0	6867.5	1886.4	1604.7	1739.0	1904.4	1902.7	1892.9	1871.6
9281.1	65°	10938.2	10433.9	5829.4	1485.2	1352.5	1539.2	1717.7	1730.8	1732.4	1730.8
9977.1	67.5°	10853.1	9859.2	4404.8	1182.2	1144.6	1336.2	1532.7	1550.7	1563.8	1567.1
10065.5	70°	9890.3	8596.7	2872.1	943.2	959.6	1157.7	1357.5	1375.5	1386.9	1400.0
8734.2	72.5°	7709.2	6320.6	1644.0	763.1	797.4	1003.8	1183.9	1205.2	1211.7	1236.3
6078.3	75°	4697.9	3717.0	887.5	600.9	655.0	858.0	1012.0	1036.5	1048.0	1077.5
2985.1	77.5°	2233.5	1609.6	506.0	468.3	527.3	700.8	854.8	882.6	851.5	867.9
823.6	80°	754.9	597.7	319.3	357.0	402.8	546.9	684.5	712.3	646.8	643.5
273.5	82.5°	263.6	242.3	203.0	237.4	260.4	391.4	517.4	553.5	481.4	479.8
122.8	85°	103.2	98.2	113.0	129.4	155.6	240.7	340.6	358.6	296.4	239.1
36.0	87.5°	21.3	22.9	27.8	29.5	47.5	83.5	122.8	150.6	119.5	101.5
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°
3530.4
3663.0
3856.2
4078.9
4332.7
4622.6
4979.5
5367.6
5578.8
5469.1
5174.4
4874.7
4612.7
4362.2
4092.0
3803.8
3548.4
3489.4
3332.2
3057.1
2615.0
2253.1
2130.3
2030.5
1978.1
1863.4
1730.8
1570.3
1406.6
1246.1
1080.7
854.8
637.0
456.9
235.8
93.3
0.0

F REPORT)