

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: P851203

Luminaire Tested: **GLAN-SB9A-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851203  
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-SB9A-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 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: 32292 lumens  
Efficiency: N/A  
Efficacy: 126.4 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

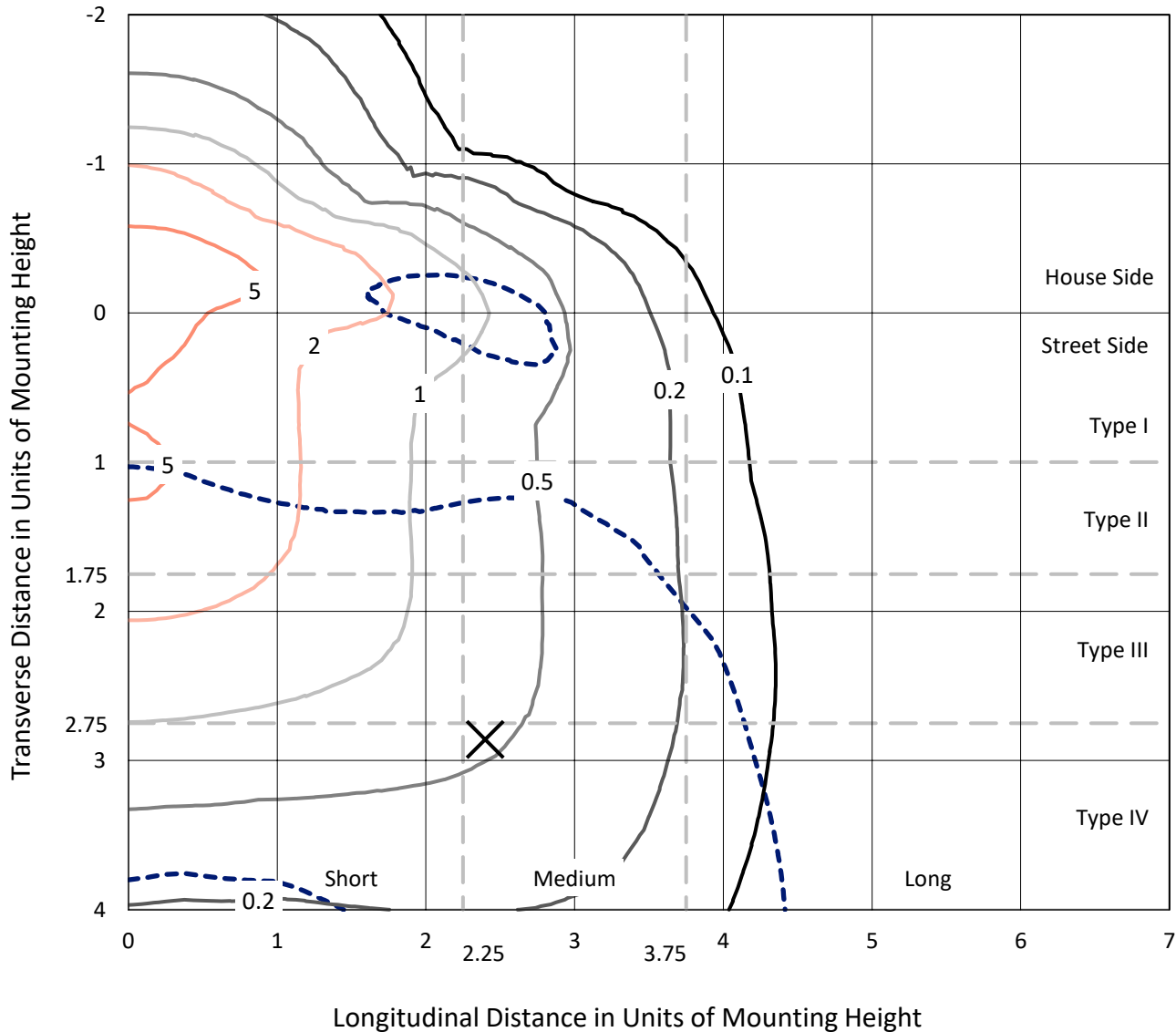
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851203  
 CATALOG NUMBER: GLAN-SB9A-827-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

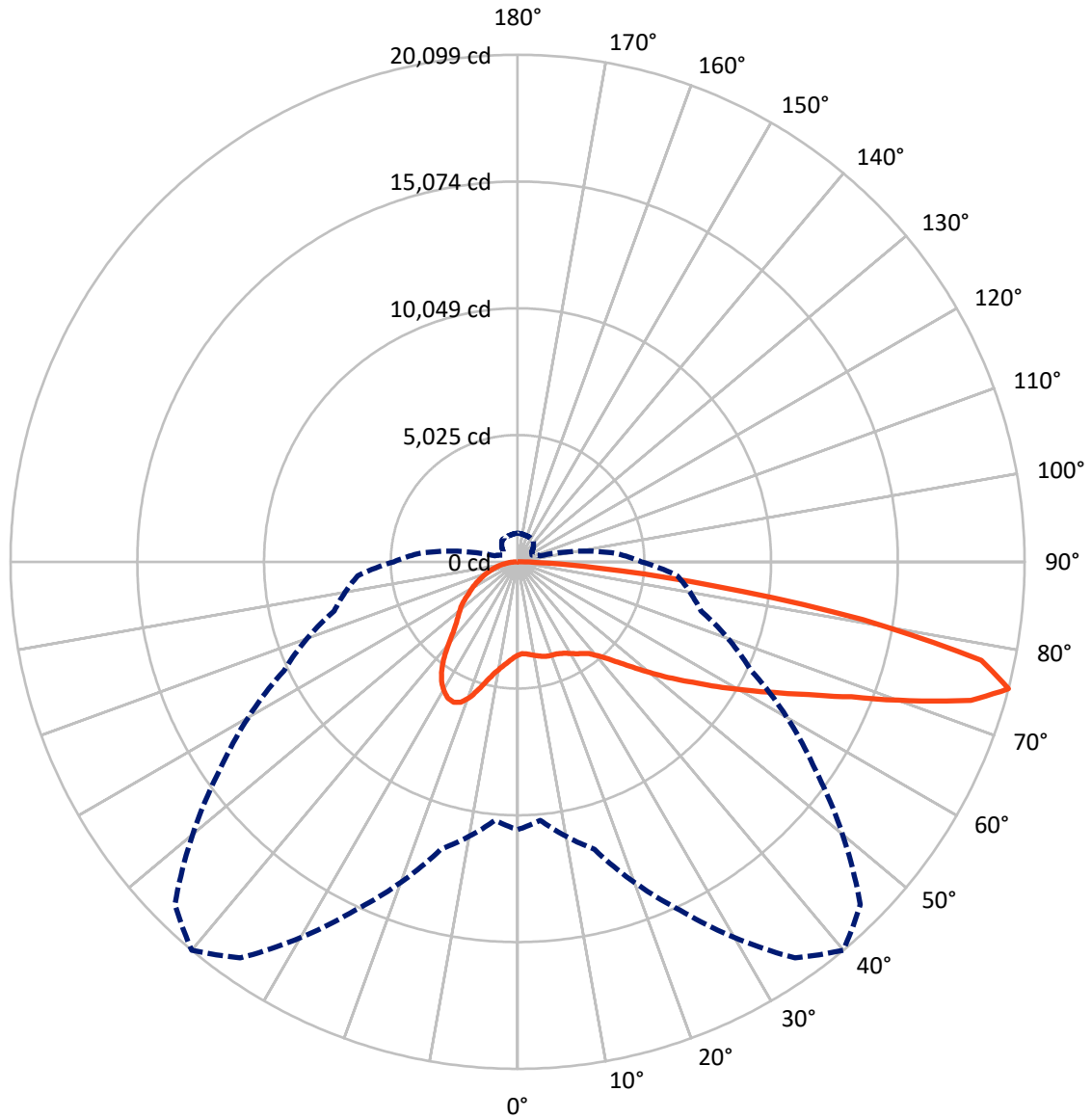
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P851203  
CATALOG NUMBER: GLAN-SB9A-827-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P851203  
 CATALOG NUMBER: GLAN-SB9A-827-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10005.1	0.0	10005.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	22286.9	0.0	22286.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	32292.0	0.0	32292.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.6	1.1
10°-20°	1237.5	3.8
20°-30°	2259.7	7.0
30°-40°	3204.8	9.9
40°-50°	4327.5	13.4
50°-60°	5821.6	18.0
60°-70°	7388.9	22.9
70°-80°	6705.9	20.8
80°-90°	977.5	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°	32292.0	100.0
0°-180°	32292.0	100.0

**Coefficient of Utilization**

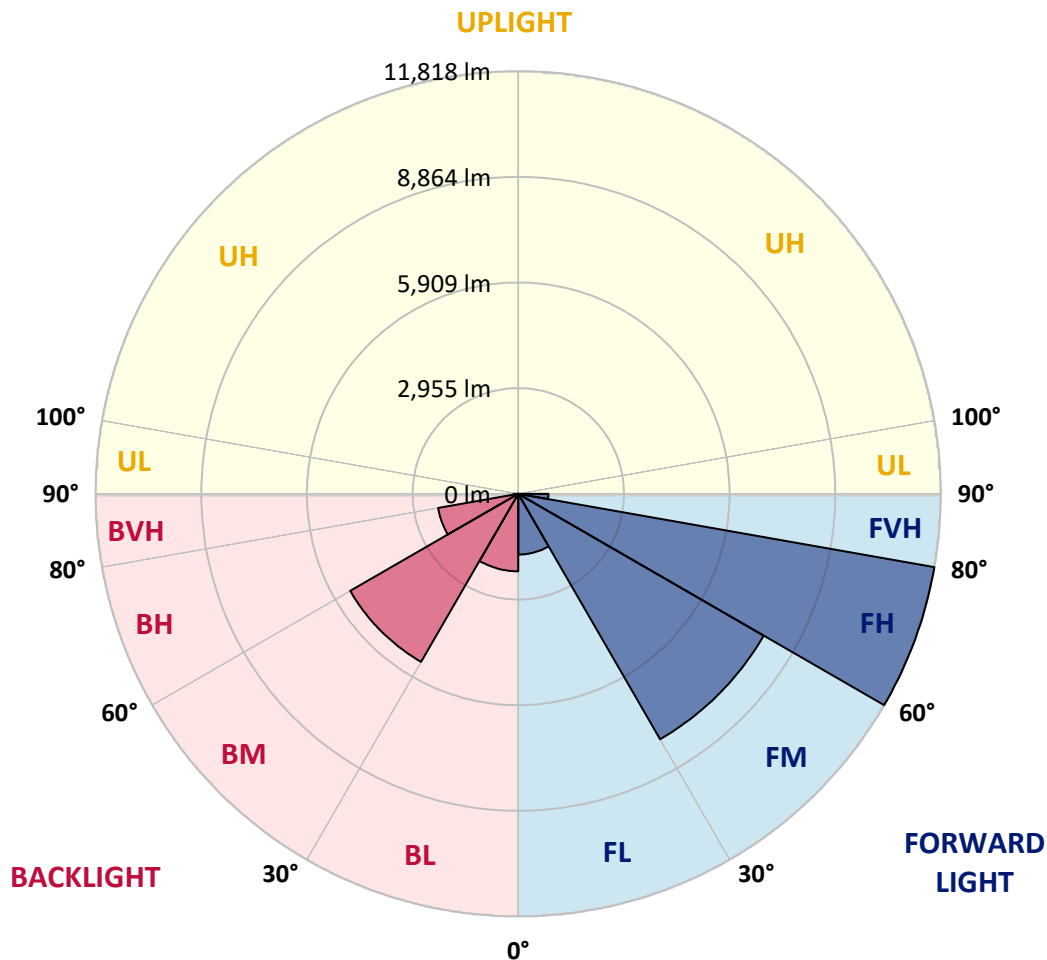


REPORT NUMBER: P851203  
 CATALOG NUMBER: GLAN-SB9A-827-U-SL4

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1698.6	5.3			
FM (30°-60°)	7927.0	24.5			
FH (60°-80°)	11818.4	36.6			G4/12000
FVH (80°-90°)	842.9	2.6			G5
BL (0°-30°)	2167.2	6.7	B3/2500		
BM (30°-60°)	5426.9	16.8	B4/8500		
BH (60°-80°)	2276.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	134.6	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: P851203  
 CATALOG NUMBER: GLAN-SB9A-827-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6
2.5°	3636.1	3656.7	3651.5	3644.7	3644.7	3646.4	3644.7	3656.7	3668.7	3680.6
5°	3673.8	3694.3	3684.1	3675.5	3668.7	3666.9	3661.8	3660.1	3666.9	3682.4
7.5°	3747.4	3768.0	3752.6	3737.2	3723.5	3716.6	3709.8	3699.5	3694.3	3702.9
10°	3829.7	3850.2	3831.4	3804.0	3781.7	3773.1	3766.3	3756.0	3749.2	3754.3
12.5°	3911.9	3932.4	3906.7	3869.0	3839.9	3834.8	3826.2	3822.8	3821.1	3819.4
15°	3988.9	4006.1	3973.5	3929.0	3898.2	3889.6	3881.0	3886.2	3894.7	3905.0
17.5°	4048.9	4066.0	4018.1	3959.8	3930.7	3927.3	3922.1	3939.3	3963.2	3988.9
20°	4103.7	4120.8	4059.2	3980.4	3946.1	3946.1	3947.8	3983.8	4018.1	4055.7
22.5°	4180.8	4194.5	4119.1	4011.2	3961.5	3965.0	3978.7	4014.6	4057.4	4108.8
25°	4295.5	4305.8	4213.3	4069.4	4012.9	4023.2	4035.2	4052.3	4093.4	4153.4
27.5°	4480.5	4489.0	4367.4	4172.2	4086.6	4103.7	4120.8	4108.8	4127.7	4179.0
30°	4740.8	4746.0	4591.8	4333.2	4211.6	4220.2	4223.6	4173.9	4137.9	4179.0
32.5°	5049.1	5047.4	4864.1	4528.4	4353.7	4345.2	4316.1	4218.4	4134.5	4170.5
35°	5527.0	5508.1	5271.8	4802.5	4514.7	4461.6	4393.1	4268.1	4151.6	4161.9
37.5°	6318.2	6260.0	5932.9	5251.2	4754.5	4619.2	4518.2	4348.6	4189.3	4158.5
40°	7210.6	7136.9	6777.2	5866.1	5114.2	4896.7	4734.0	4463.4	4251.0	4173.9
42.5°	8269.0	8164.6	7777.5	6590.6	5569.8	5254.6	5009.7	4608.9	4341.8	4223.6
45°	9569.0	9430.3	8882.2	7407.5	6143.5	5723.9	5396.8	4829.9	4480.5	4319.5
47.5°	10882.6	10916.9	10137.6	8342.7	6832.1	6302.8	5881.5	5162.2	4682.6	4473.6
50°	12278.5	12302.5	11386.2	9378.9	7613.1	6957.1	6426.1	5533.8	4963.5	4692.9
52.5°	13367.8	13371.2	12520.0	10463.0	8426.6	7676.4	7013.6	5958.6	5288.9	4984.0
55°	14049.5	14040.9	13314.7	11489.0	9361.8	8431.7	7664.4	6441.6	5686.2	5326.6
57.5°	14544.5	14518.8	13862.8	12371.0	10358.6	9324.1	8400.9	6989.6	6155.5	5734.2
60°	14732.9	14717.4	14234.5	13133.2	11406.7	10310.6	9250.4	7602.8	6688.2	6215.5
62.5°	14804.8	14833.9	14599.3	13871.4	12528.6	11403.3	10183.9	8335.8	7287.6	6760.1
65°	15058.3	15111.4	15063.4	14837.3	13796.0	12682.7	11422.2	9207.6	7941.9	7344.2
67.5°	15560.1	15613.2	15633.7	15993.4	15344.3	14277.3	12967.0	10293.5	8707.5	7950.5
70°	15548.1	15532.7	15895.8	16913.2	17283.1	16485.0	15049.7	11629.4	9620.4	8454.0
72.5°	14152.2	14028.9	14887.0	16902.9	18896.5	18790.3	17593.1	13352.4	10408.2	8515.7
75°	10617.2	10288.3	11804.1	15233.0	19165.4	20098.8	19209.9	14421.1	10221.5	7524.0
77.5°	4540.4	4209.9	5996.2	11276.6	17152.9	18788.6	17726.7	12581.7	8159.4	4975.5
80°	1188.6	1186.9	1812.1	5112.5	11665.4	13874.8	12172.3	8125.2	4662.0	1777.8
82.5°	491.6	479.6	666.2	1988.5	5699.9	7786.0	6354.2	3624.1	1683.6	481.3
85°	183.3	181.5	323.7	686.8	2010.7	3211.4	2324.2	926.6	419.6	234.6
87.5°	51.4	49.7	70.2	238.1	489.8	743.3	397.4	152.4	118.2	92.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851203  
 CATALOG NUMBER: GLAN-SB9A-827-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3692.6	0°	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6	3692.6
3699.5	2.5°	3704.6	3713.2	3728.6	3740.6	3756.0	3773.1	3797.1	3812.5	3827.9	3838.2
3708.0	5°	3720.0	3738.9	3778.3	3817.7	3863.9	3906.7	3956.4	3992.4	4021.5	4030.0
3738.9	7.5°	3754.3	3785.1	3851.9	3918.7	3992.4	4062.6	4134.5	4196.2	4245.8	4264.7
3793.7	10°	3814.2	3855.3	3949.5	4043.7	4141.4	4249.3	4341.8	4430.8	4501.0	4530.2
3858.8	12.5°	3889.6	3941.0	4064.3	4194.5	4329.8	4478.8	4598.7	4708.3	4795.6	4835.0
3949.5	15°	3987.2	4054.0	4211.6	4386.3	4585.0	4792.2	4944.6	5066.2	5163.9	5211.8
4043.7	17.5°	4093.4	4182.5	4381.1	4644.9	4929.2	5201.5	5379.7	5468.7	5569.8	5616.0
4131.1	20°	4196.2	4305.8	4590.1	4973.8	5352.3	5641.7	5785.6	5809.6	5816.4	5821.5
4213.3	22.5°	4302.4	4449.7	4852.1	5388.2	5794.1	5994.5	6015.1	5912.3	5768.5	5701.7
4293.8	25°	4418.8	4614.1	5194.7	5845.5	6174.4	6198.3	6040.8	5790.7	5518.4	5393.4
4358.9	27.5°	4531.9	4804.2	5605.7	6282.3	6448.4	6237.7	5898.6	5544.1	5215.2	5083.4
4405.1	30°	4644.9	5021.7	6059.6	6664.2	6573.4	6140.1	5674.3	5278.6	4948.1	4809.3
4446.2	32.5°	4759.7	5275.2	6582.0	6940.0	6551.2	5932.9	5395.1	4980.6	4689.4	4543.9
4482.2	35°	4889.8	5586.9	7077.0	7090.7	6402.2	5628.0	5026.8	4624.4	4370.9	4254.4
4525.0	37.5°	5059.4	5982.5	7513.7	7128.4	6141.8	5181.0	4569.5	4203.0	3994.1	3941.0
4588.4	40°	5270.1	6458.7	7847.7	7068.4	5756.5	4638.1	4069.4	3776.6	3658.4	3670.4
4674.0	42.5°	5544.1	6991.3	8082.3	6914.3	5220.4	4078.0	3631.0	3500.8	3557.3	3605.3
4802.5	45°	5900.3	7544.5	8227.9	6652.2	4614.1	3603.6	3372.4	3403.2	3446.0	3451.1
5009.7	47.5°	6355.9	8104.6	8323.8	6256.6	3995.8	3269.6	3207.9	3214.8	3206.2	3170.3
5319.7	50°	6924.5	8649.3	8409.5	5732.5	3470.0	3060.6	2978.4	2954.4	2836.3	2719.8
5732.5	52.5°	7572.0	9149.4	8445.4	5081.7	3060.6	2885.9	2752.3	2601.6	2380.7	2344.7
6251.4	55°	8291.3	9611.8	8353.0	4281.8	2716.4	2661.6	2459.5	2277.9	2253.9	2223.1
6934.8	57.5°	9151.1	10110.2	8164.6	3389.5	2363.6	2399.5	2202.6	2223.1	2180.3	2132.3
7813.4	60°	10091.4	10625.7	7834.0	2575.9	1998.7	2072.4	2135.8	2134.1	2122.1	2082.7
8740.0	62.5°	10937.5	10964.9	7183.2	1973.1	1678.5	1818.9	1991.9	1990.2	1979.9	1957.6
9707.7	65°	11441.0	10913.5	6097.3	1553.4	1414.7	1610.0	1796.6	1810.3	1812.1	1810.3
10435.6	67.5°	11351.9	10312.3	4607.2	1236.6	1197.2	1397.6	1603.1	1621.9	1635.7	1639.1
10528.1	70°	10344.9	8991.8	3004.1	986.5	1003.7	1210.9	1419.8	1438.7	1450.7	1464.4
9135.7	72.5°	8063.5	6611.1	1719.6	798.1	834.1	1049.9	1238.3	1260.6	1267.4	1293.1
6357.6	75°	4913.8	3887.9	928.3	628.6	685.1	897.5	1058.5	1084.2	1096.1	1127.0
3122.3	77.5°	2336.2	1683.6	529.2	489.8	551.5	733.0	894.0	923.2	890.6	907.7
861.5	80°	789.6	625.1	334.0	373.4	421.3	572.0	715.9	745.0	676.5	673.1
286.0	82.5°	275.7	253.5	212.4	248.3	272.3	409.3	541.2	578.9	503.5	501.8
128.5	85°	107.9	102.8	118.2	135.3	162.7	251.8	356.2	375.1	310.0	250.1
37.7	87.5°	22.3	24.0	29.1	30.8	49.7	87.3	128.5	157.6	125.0	106.2
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



<u>180°</u>
3692.6
3831.4
4033.5
4266.4
4531.9
4835.0
5208.4
5614.3
5835.3
5720.5
5412.2
5098.8
4824.7
4562.7
4280.1
3978.7
3711.5
3649.8
3485.4
3197.7
2735.2
2356.7
2228.3
2123.8
2069.0
1949.1
1810.3
1642.5
1471.2
1303.4
<i>1130.4</i>
894.0
666.2
477.9
246.6
97.6
0.0

F REPORT)