

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: P848338

Luminaire Tested: **GLAN-SB4D-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848338  
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-SB4D-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33790 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

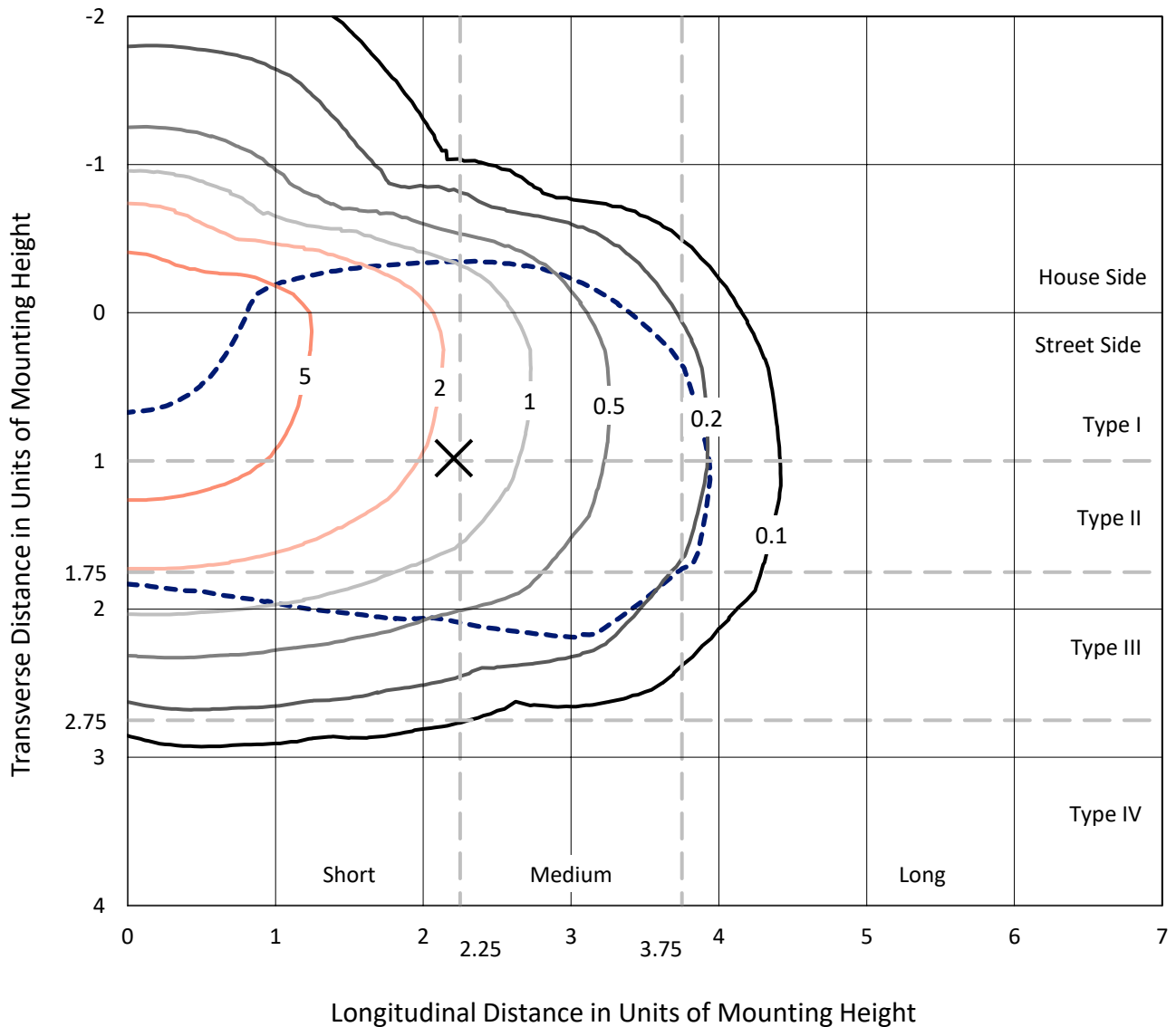
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848338  
 CATALOG NUMBER: GLAN-SB4D-835-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

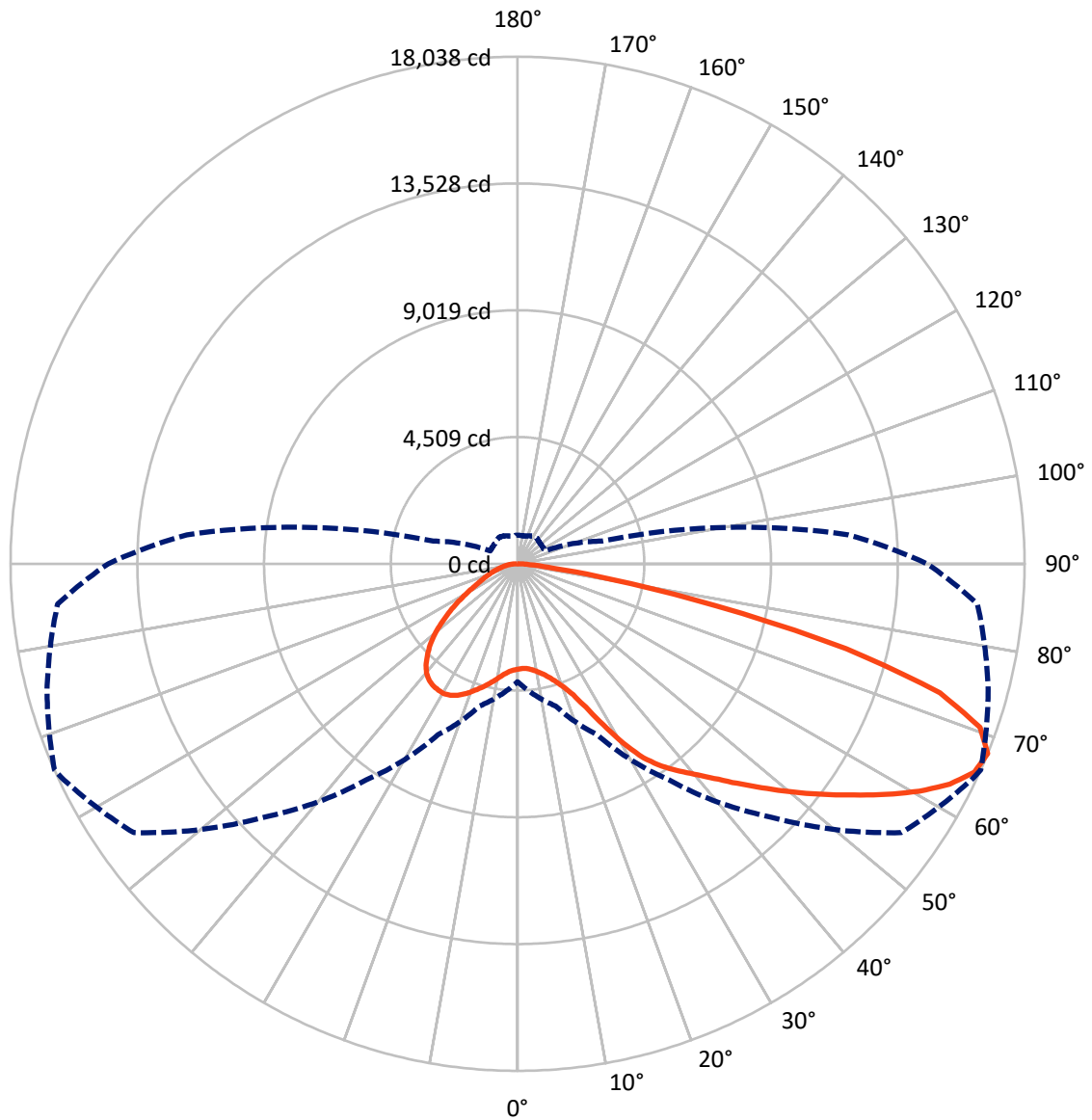
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P848338  
CATALOG NUMBER: GLAN-SB4D-835-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P848338  
 CATALOG NUMBER: GLAN-SB4D-835-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8401.8	0.0	8401.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	25388.2	0.0	25388.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	33790.0	0.0	33790.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.6	1.1
10°-20°	1227.6	3.6
20°-30°	2366.2	7.0
30°-40°	4148.8	12.3
40°-50°	6167.9	18.3
50°-60°	7818.5	23.1
60°-70°	7650.2	22.6
70°-80°	3649.2	10.8
80°-90°	390.0	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°	33790.0	100.0
0°-180°	33790.0	100.0

**Coefficient of Utilization**



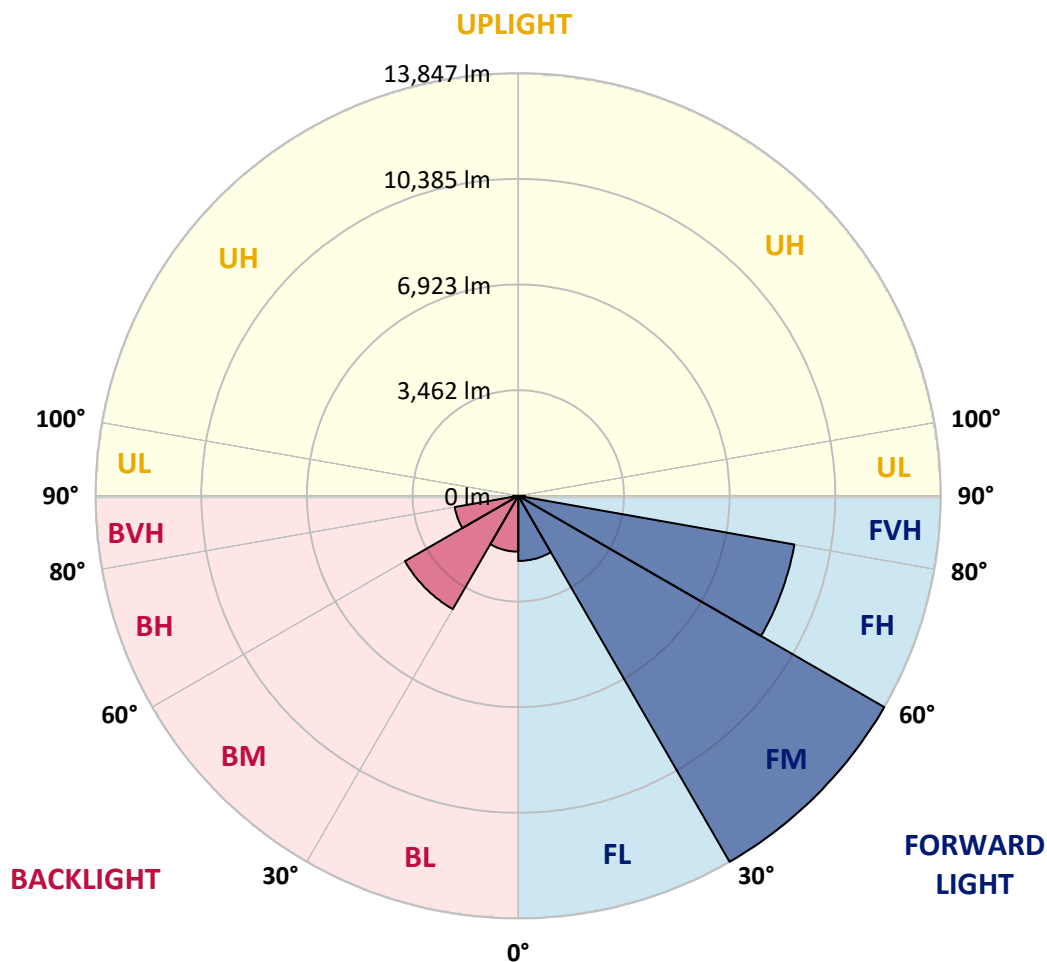
REPORT NUMBER: P848338  
 CATALOG NUMBER: GLAN-SB4D-835-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2135.2	6.3			
FM (30°-60°)	13846.9	41.0			
FH (60°-80°)	9185.0	27.2			G4/12000
FVH (80°-90°)	221.1	0.7			G2/225
BL (0°-30°)	1830.2	5.4	B3/2500		
BM (30°-60°)	4288.4	12.7	B3/5000		
BH (60°-80°)	2114.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	168.9	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-G4**

Type III Short



REPORT NUMBER: P848338  
 CATALOG NUMBER: GLAN-SB4D-835-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8
2.5°	3708.7	3730.0	3724.7	3715.8	3714.0	3717.6	3722.9	3728.2	3726.5	3735.3
5°	3698.0	3719.4	3717.6	3717.6	3724.7	3738.9	3747.8	3756.6	3747.8	3758.4
7.5°	3705.1	3721.1	3728.2	3735.3	3753.1	3779.7	3801.0	3820.5	3809.9	3822.3
10°	3795.7	3808.1	3815.2	3815.2	3827.6	3857.8	3879.1	3914.6	3905.8	3925.3
12.5°	3960.8	3973.2	3973.2	3966.1	3975.0	3994.5	4001.6	4040.7	4024.7	4056.7
15°	4163.2	4188.0	4168.5	4156.1	4159.6	4179.2	4177.4	4207.6	4191.6	4218.2
17.5°	4386.9	4418.8	4386.9	4385.1	4378.0	4399.3	4401.1	4427.7	4399.3	4418.8
20°	4651.4	4695.8	4669.2	4678.0	4662.1	4670.9	4679.8	4718.9	4674.5	4688.7
22.5°	5024.2	5077.5	5049.1	5082.8	5072.2	5065.1	5063.3	5132.5	5063.3	5068.6
25°	5567.5	5631.4	5581.7	5627.9	5627.9	5650.9	5677.6	5766.3	5650.9	5617.2
27.5°	6369.9	6433.9	6336.2	6364.6	6355.7	6412.6	6384.1	6604.3	6480.0	6425.0
30°	7335.7	7449.4	7264.7	7257.6	7248.7	7339.3	7380.1	7525.7	7399.6	7344.6
32.5°	8379.6	8498.6	8278.4	8214.5	8180.8	8235.8	8202.1	8319.3	8232.3	8147.1
35°	9483.9	9601.1	9391.6	9267.3	9132.4	9017.0	8896.3	8926.4	8844.8	8715.2
37.5°	10527.8	10742.6	10520.7	10387.6	10139.0	9913.5	9576.2	9436.0	9359.6	9240.7
40°	11591.2	11713.7	11545.1	11431.5	11161.6	10808.3	10268.6	9972.1	9869.2	9753.8
42.5°	12374.2	12491.3	12400.8	12322.7	12111.4	11701.3	11003.6	10632.6	10483.4	10353.8
45°	12995.5	13082.5	13025.7	13054.1	12963.6	12565.9	11765.2	11340.9	11186.5	11028.5
47.5°	13245.9	13338.2	13428.7	13597.4	13751.8	13458.9	12583.7	12107.9	11944.5	11783.0
50°	13217.5	13311.6	13574.3	13932.9	14412.3	14314.6	13446.5	12924.5	12773.6	12589.0
52.5°	12990.2	13096.7	13434.1	14030.6	14794.0	14955.5	14325.3	13767.8	13625.8	13405.6
55°	12393.7	12457.6	12963.6	13808.6	14884.5	15402.9	15186.3	14666.1	14524.1	14217.0
57.5°	11287.7	11380.0	12116.7	13210.4	14657.3	15706.5	15942.6	15610.6	15473.9	15031.9
60°	9844.3	9991.7	10834.9	12205.5	14078.5	15704.7	16629.7	16539.1	16425.5	15834.3
62.5°	8211.0	8381.4	9192.7	10785.2	13066.6	15259.1	17059.3	17316.7	17258.1	16574.6
65°	6306.0	6423.2	7231.0	8947.7	11491.8	14302.2	17109.0	17847.6	17858.2	17137.4
67.5°	4198.7	4536.0	5237.3	6714.4	9382.7	12738.1	16672.3	17934.6	18037.5	17330.9
70°	2048.8	2492.6	3179.6	4363.8	6714.4	10339.6	15530.7	17220.9	17449.9	16766.4
72.5°	850.4	994.2	1368.8	2153.5	3854.3	6977.1	13237.0	15285.7	15710.0	14856.1
75°	573.4	621.4	782.9	1104.3	1755.8	3440.6	9546.0	11397.7	12081.2	11220.2
77.5°	442.1	472.2	569.9	772.3	1043.9	1301.3	5109.4	6868.8	7222.1	6686.0
80°	348.0	371.0	426.1	562.8	740.3	695.9	1741.6	3112.2	3316.3	2782.0
82.5°	301.8	310.7	305.4	381.7	491.8	406.6	571.7	1148.6	1267.6	919.6
85°	218.4	243.2	253.9	236.1	261.0	205.9	234.3	406.6	447.4	399.5
87.5°	88.8	131.4	161.6	152.7	95.9	58.6	72.8	118.9	136.7	149.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848338  
 CATALOG NUMBER: GLAN-SB4D-835-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3747.8	0°	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8	3747.8
3749.5	2.5°	3751.3	3763.7	3772.6	3783.3	3790.4	3801.0	3822.3	3834.7	3836.5	3845.4
3777.9	5°	3785.0	3802.8	3822.3	3850.7	3882.7	3909.3	3950.1	3978.6	3989.2	3998.1
3847.2	7.5°	3857.8	3882.7	3918.2	3967.9	4014.1	4049.6	4099.3	4133.0	4166.7	4179.2
3957.2	10°	3966.1	4001.6	4053.1	4120.6	4170.3	4216.4	4267.9	4296.3	4330.1	4344.3
4088.6	12.5°	4101.1	4138.3	4205.8	4299.9	4346.0	4378.0	4395.8	4388.7	4395.8	4408.2
4246.6	15°	4255.5	4296.3	4372.7	4473.9	4505.8	4477.4	4438.4	4402.9	4397.5	4401.1
4438.4	17.5°	4438.4	4468.5	4557.3	4642.5	4619.5	4502.3	4417.1	4360.3	4331.8	4323.0
4683.4	20°	4694.0	4694.0	4766.8	4820.1	4665.6	4466.8	4333.6	4241.3	4182.7	4157.9
5017.1	22.5°	5004.7	4976.3	5022.5	4985.2	4656.7	4367.4	4182.7	4022.9	3934.2	3898.7
5484.0	25°	5398.8	5365.1	5352.7	5121.9	4592.8	4209.3	3909.3	3715.8	3637.7	3618.2
6156.9	27.5°	5993.6	5908.4	5746.8	5196.4	4475.6	3960.8	3589.8	3410.4	3366.1	3367.8
7021.5	30°	6785.4	6614.9	6219.0	5208.9	4283.9	3609.3	3263.1	3135.3	3114.0	3122.8
7747.6	32.5°	7518.6	7357.0	6701.9	5152.1	3989.2	3264.9	2970.2	2884.9	2853.0	2863.6
8301.5	35°	8093.8	8049.4	7149.3	5072.2	3627.0	2941.8	2707.4	2634.6	2572.5	2558.3
8823.5	37.5°	8637.1	8619.3	7484.9	4960.3	3268.4	2712.7	2496.1	2400.3	2309.7	2260.0
9400.5	40°	9233.6	9215.8	7705.0	4788.1	2950.6	2513.9	2306.2	2180.1	2068.3	1977.7
10053.8	42.5°	9904.7	9799.9	7809.8	4541.3	2680.8	2345.2	2151.7	1981.3	1833.9	1750.5
10792.3	45°	10637.9	10401.8	7808.0	4227.1	2453.5	2190.8	1986.6	1745.2	1608.5	1530.3
11550.4	47.5°	11415.5	10977.0	7712.1	3879.1	2233.4	2020.3	1731.0	1546.3	1455.8	1407.9
12374.2	50°	12217.9	11514.9	7548.8	3479.7	2007.9	1826.8	1571.2	1445.1	1375.9	1331.5
13190.8	52.5°	12972.5	12003.1	7351.7	3027.0	1778.9	1638.6	1500.2	1402.5	1329.7	1280.0
13982.6	55°	13673.7	12423.9	7073.0	2563.6	1592.5	1512.6	1466.4	1384.8	1301.3	1242.7
14786.9	57.5°	14296.9	12697.3	6591.9	2128.6	1459.3	1425.6	1430.9	1354.6	1258.7	1209.0
15578.7	60°	14815.3	12897.9	5879.9	1725.6	1351.0	1340.4	1375.9	1297.8	1185.9	1129.1
16248.0	62.5°	15126.0	12894.3	5006.5	1413.2	1258.7	1262.3	1303.1	1226.8	1113.1	1059.9
16597.7	65°	15099.3	12578.3	4047.8	1209.0	1170.0	1173.5	1226.8	1148.6	1052.8	1020.8
16422.0	67.5°	14564.9	11807.8	3105.1	1075.9	1072.3	1088.3	1150.4	1095.4	1015.5	1011.9
15374.5	70°	13118.0	10208.2	2236.9	969.3	971.1	994.2	1075.9	1061.7	996.0	1003.1
12926.3	72.5°	10518.9	7783.1	1501.9	857.5	859.3	896.6	1004.8	1035.0	976.4	1070.5
9171.4	75°	7005.5	4853.8	965.8	738.5	740.3	788.3	942.7	983.5	923.2	1067.0
4772.1	77.5°	3366.1	2181.9	699.5	621.4	621.4	665.8	814.9	880.6	786.5	829.1
1533.9	80°	1162.9	820.2	550.4	500.6	490.0	520.2	687.1	763.4	678.2	624.9
500.6	82.5°	458.0	426.1	442.1	388.8	353.3	372.8	534.4	630.2	498.9	450.9
282.3	85°	262.8	277.0	312.5	257.4	204.2	229.0	392.4	452.7	376.4	332.0
92.3	87.5°	71.0	97.6	143.8	133.2	92.3	97.6	186.4	250.3	216.6	166.9
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°
3747.8
3843.6
3996.3
4180.9
4351.4
4411.7
4413.5
4335.4
4152.5
3893.3
3621.7
3373.2
3153.0
2877.8
2568.9
2261.8
1986.6
1755.8
1526.8
1397.2
1315.5
1258.7
1219.7
1177.1
1104.3
1043.9
1019.0
1017.3
1001.3
1084.7
1075.9
759.8
585.9
449.2
339.1
172.2
0.0

F REPORT)