

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: P849523

Luminaire Tested: **GLAN-SB6C-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849523  
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-SB6C-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37274 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

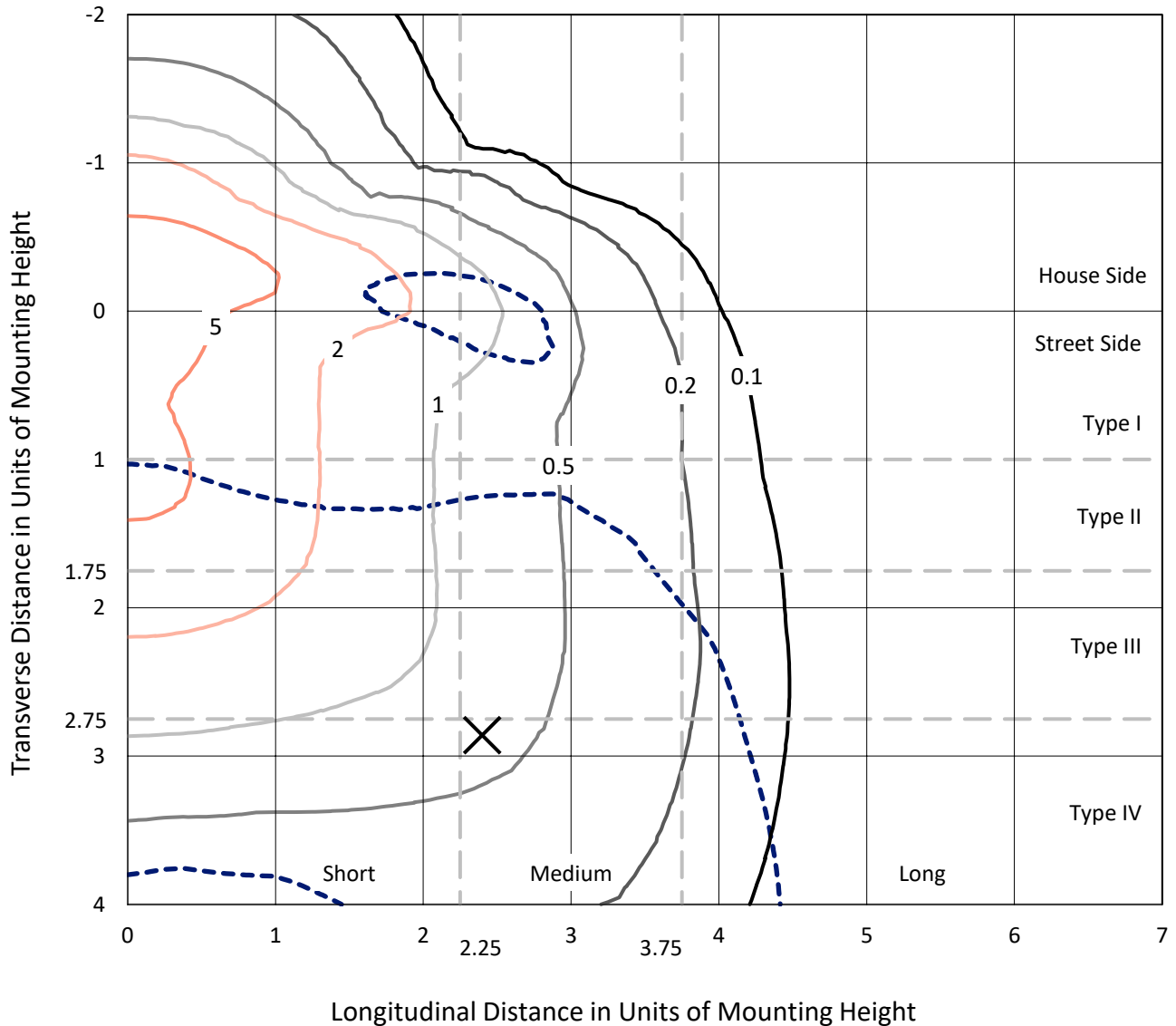
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849523  
 CATALOG NUMBER: GLAN-SB6C-835-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

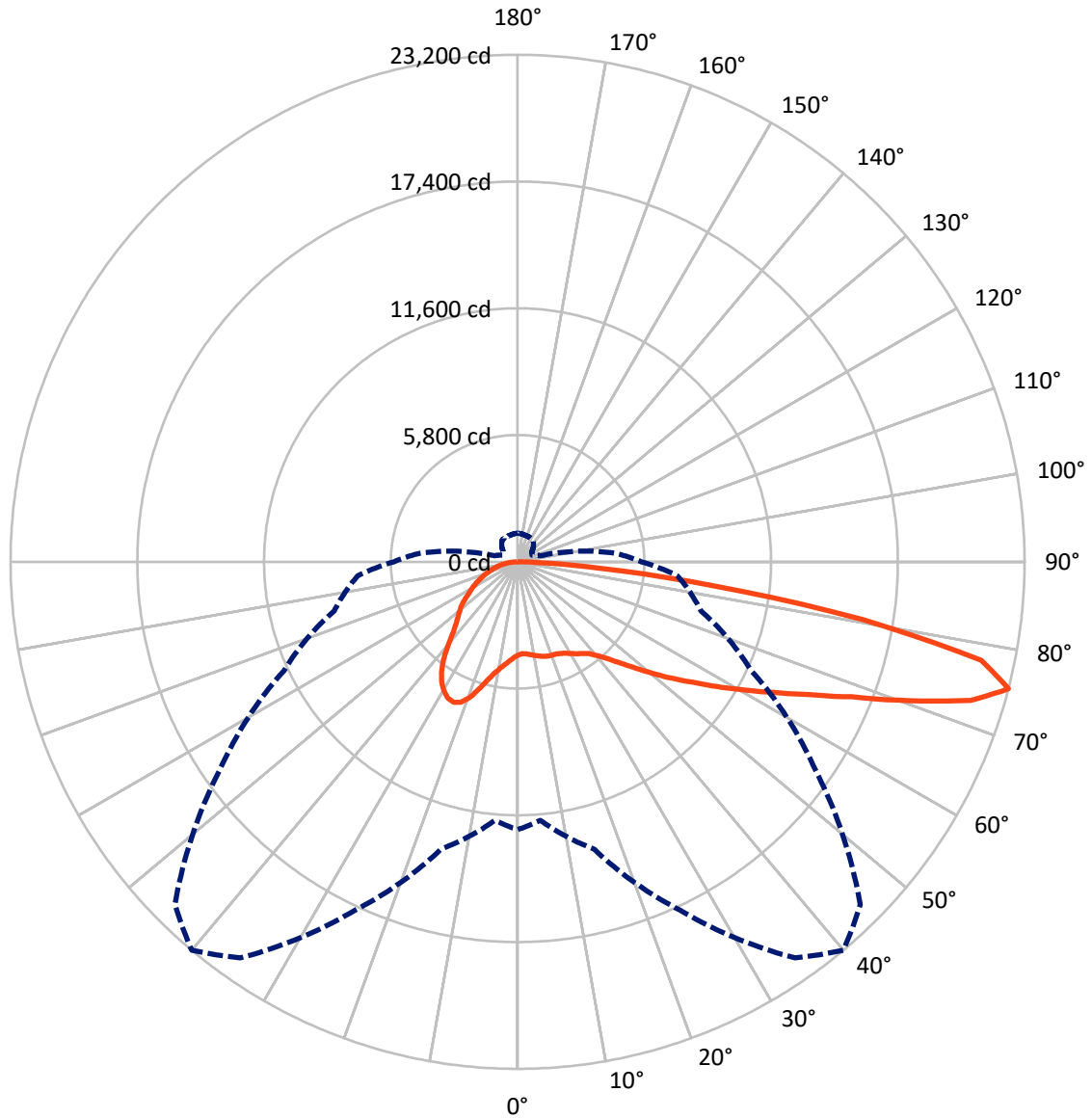
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P849523  
CATALOG NUMBER: GLAN-SB6C-835-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P849523  
 CATALOG NUMBER: GLAN-SB6C-835-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11548.7	0.0	11548.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	25725.3	0.0	25725.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	37274.0	0.0	37274.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.5	1.1
10°-20°	1428.5	3.8
20°-30°	2608.3	7.0
30°-40°	3699.2	9.9
40°-50°	4995.1	13.4
50°-60°	6719.7	18.0
60°-70°	8528.9	22.9
70°-80°	7740.5	20.8
80°-90°	1128.3	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°	37274.0	100.0
0°-180°	37274.0	100.0

**Coefficient of Utilization**

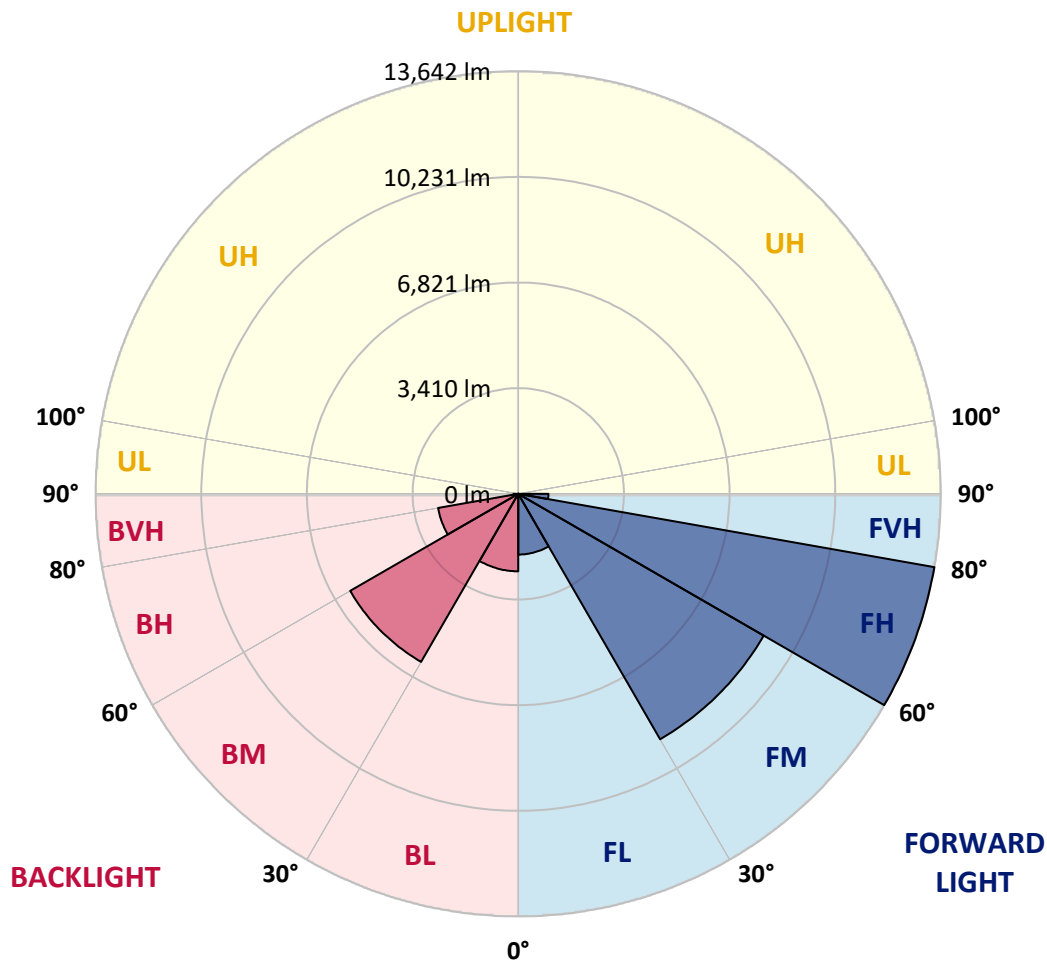


REPORT NUMBER: P849523  
 CATALOG NUMBER: GLAN-SB6C-835-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1960.6	5.3			
FM (30°-60°)	9149.9	24.5			
FH (60°-80°)	13641.7	36.6			G5
FVH (80°-90°)	973.0	2.6			G5
BL (0°-30°)	2501.6	6.7	B4/5000		
BM (30°-60°)	6264.1	16.8	B4/8500		
BH (60°-80°)	2627.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	155.3	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: P849523  
 CATALOG NUMBER: GLAN-SB6C-835-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3
2.5°	4197.1	4220.8	4214.9	4207.0	4207.0	4209.0	4207.0	4220.8	4234.7	4248.5
5°	4240.6	4264.3	4252.4	4242.6	4234.7	4232.7	4226.7	4224.8	4232.7	4250.5
7.5°	4325.6	4349.3	4331.5	4313.7	4297.9	4290.0	4282.1	4270.2	4264.3	4274.2
10°	4420.5	4444.2	4422.5	4390.8	4365.1	4355.2	4347.3	4335.5	4327.6	4333.5
12.5°	4515.4	4539.1	4509.5	4466.0	4432.4	4426.4	4416.5	4412.6	4410.6	4408.6
15°	4604.3	4624.1	4586.6	4535.2	4499.6	4489.7	4479.8	4485.7	4495.6	4507.5
17.5°	4673.5	4693.3	4638.0	4570.7	4537.1	4533.2	4527.2	4547.0	4574.7	4604.3
20°	4736.8	4756.6	4685.4	4594.5	4554.9	4554.9	4556.9	4598.4	4638.0	4681.4
22.5°	4825.8	4841.6	4754.6	4630.0	4572.7	4576.7	4592.5	4634.0	4683.4	4742.7
25°	4958.2	4970.1	4863.3	4697.3	4632.0	4643.9	4657.7	4677.5	4724.9	4794.1
27.5°	5171.7	5181.6	5041.3	4815.9	4717.0	4736.8	4756.6	4742.7	4764.5	4823.8
30°	5472.2	5478.2	5300.2	5001.7	4861.4	4871.2	4875.2	4817.9	4776.3	4823.8
32.5°	5828.1	5826.1	5614.6	5227.1	5025.4	5015.6	4981.9	4869.3	4772.4	4813.9
35°	6379.7	6357.9	6085.1	5543.4	5211.3	5150.0	5070.9	4926.6	4792.2	4804.0
37.5°	7293.0	7225.8	6848.2	6061.4	5488.0	5331.9	5215.2	5019.5	4835.7	4800.1
40°	8323.0	8238.0	7822.8	6771.1	5903.2	5652.1	5464.3	5152.0	4906.8	4817.9
42.5°	9544.8	9424.2	8977.4	7607.4	6429.1	6065.3	5782.6	5320.0	5011.6	4875.2
45°	11045.3	10885.2	10252.5	8550.4	7091.4	6607.0	6229.4	5575.0	5171.7	4985.9
47.5°	12561.6	12601.2	11701.6	9629.8	7886.1	7275.2	6788.9	5958.6	5405.0	5163.8
50°	14172.8	14200.5	13142.8	10825.8	8787.6	8030.4	7417.6	6387.6	5729.2	5416.9
52.5°	15430.2	15434.1	14451.6	12077.3	9726.7	8860.7	8095.7	6877.9	6104.9	5753.0
55°	16217.0	16207.1	15368.9	13261.5	10806.1	9732.6	8846.9	7435.4	6563.5	6148.4
57.5°	16788.4	16758.7	16001.5	14279.6	11956.7	10762.6	9697.0	8068.0	7105.2	6618.9
60°	17005.8	16988.0	16430.5	15159.3	13166.6	11901.3	10677.6	8775.7	7720.0	7174.4
62.5°	17088.9	17122.5	16851.6	16011.4	14461.5	13162.6	11755.0	9621.9	8412.0	7803.1
65°	17381.5	17442.7	17387.4	17126.4	15924.4	14639.4	13184.4	10628.2	9167.2	8477.2
67.5°	17960.7	18022.0	18045.7	18460.9	17711.6	16480.0	14967.6	11881.5	10050.9	9177.1
70°	17946.9	17929.1	18348.2	19522.5	19949.5	19028.3	17371.6	13423.6	11104.6	9758.3
72.5°	16335.6	16193.3	17183.8	19510.6	21811.8	21689.3	20307.4	15412.4	12014.0	9829.5
75°	12255.2	11875.6	13625.2	17583.1	22122.2	23199.7	22173.6	16646.0	11798.5	8684.8
77.5°	5240.9	4859.4	6921.3	13016.3	19799.3	21687.3	20461.6	14522.8	9418.3	5743.1
80°	1372.0	1370.0	2091.6	5901.2	13465.1	16015.4	14050.3	9378.7	5381.3	2052.1
82.5°	567.4	553.5	769.0	2295.3	6579.3	8987.3	7334.5	4183.3	1943.4	555.5
85°	211.5	209.6	373.6	792.8	2321.0	3706.8	2682.7	1069.5	484.4	270.8
87.5°	59.3	57.3	81.1	274.8	565.4	858.0	458.7	175.9	136.4	106.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849523  
 CATALOG NUMBER: GLAN-SB6C-835-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4262.3	0°	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3	4262.3
4270.2	2.5°	4276.2	4286.1	4303.8	4317.7	4335.5	4355.2	4382.9	4400.7	4418.5	4430.4
4280.1	5°	4294.0	4315.7	4361.2	4406.6	4460.0	4509.5	4566.8	4608.3	4641.9	4651.8
4315.7	7.5°	4333.5	4369.1	4446.2	4523.3	4608.3	4689.4	4772.4	4843.6	4900.9	4922.6
4379.0	10°	4402.7	4450.1	4558.9	4667.6	4780.3	4904.8	5011.6	5114.4	5195.5	5229.1
4454.1	12.5°	4489.7	4549.0	4691.3	4841.6	4997.8	5169.8	5308.1	5434.7	5535.5	5581.0
4558.9	15°	4602.4	4679.5	4861.4	5063.0	5292.3	5531.5	5707.5	5847.9	5960.5	6015.9
4667.6	17.5°	4724.9	4827.7	5057.1	5361.5	5689.7	6004.0	6209.6	6312.4	6429.1	6482.5
4768.4	20°	4843.6	4970.1	5298.3	5741.1	6178.0	6512.1	6678.2	6705.9	6713.8	6719.7
4863.3	22.5°	4966.1	5136.1	5600.7	6219.5	6688.1	6919.4	6943.1	6824.5	6658.4	6581.3
4956.2	25°	5100.6	5325.9	5996.1	6747.4	7127.0	7154.6	6972.7	6684.1	6369.8	6225.5
5031.4	27.5°	5231.0	5545.4	6470.6	7251.5	7443.3	7200.1	6808.7	6399.4	6019.9	5867.6
5084.7	30°	5361.5	5796.5	6994.5	7692.4	7587.6	7087.4	6549.7	6093.0	5711.4	5551.3
5132.2	32.5°	5494.0	6089.0	7597.5	8010.7	7561.9	6848.2	6227.4	5749.0	5412.9	5244.9
5173.7	35°	5644.2	6448.9	8168.8	8184.6	7389.9	6496.3	5802.4	5337.8	5045.2	4910.8
5223.1	37.5°	5839.9	6905.5	8672.9	8228.1	7089.4	5980.3	5274.5	4851.5	4610.3	4549.0
5296.3	40°	6083.1	7455.1	9058.4	8158.9	6644.6	5353.6	4697.3	4359.2	4222.8	4236.6
5395.1	42.5°	6399.4	8070.0	9329.3	7981.0	6025.8	4707.1	4191.2	4040.9	4106.2	4161.5
5543.4	45°	6810.6	8708.5	9497.3	7678.5	5325.9	4159.5	3892.6	3928.2	3977.6	3983.6
5782.6	47.5°	7336.5	9355.0	9608.0	7221.8	4612.3	3774.0	3702.9	3710.8	3700.9	3659.4
6140.4	50°	7992.9	9983.7	9706.9	6616.9	4005.3	3532.8	3437.9	3410.3	3273.9	3139.4
6616.9	52.5°	8740.2	10560.9	9748.4	5865.6	3532.8	3331.2	3177.0	3003.0	2748.0	2706.5
7215.9	55°	9570.5	11094.7	9641.6	4942.4	3135.5	3072.2	2838.9	2629.4	2601.7	2566.1
8004.7	57.5°	10562.9	11670.0	9424.2	3912.4	2728.2	2769.7	2542.4	2566.1	2516.7	2461.3
9018.9	60°	11648.3	12265.1	9042.6	2973.4	2307.1	2392.1	2465.3	2463.3	2449.5	2404.0
10088.4	62.5°	12624.9	12656.5	8291.4	2277.5	1937.4	2099.5	2299.2	2297.2	2285.4	2259.7
11205.4	65°	13206.1	12597.2	7038.0	1793.1	1633.0	1858.3	2073.8	2089.6	2091.6	2089.6
12045.6	67.5°	13103.3	11903.3	5318.0	1427.4	1381.9	1613.2	1850.4	1872.2	1888.0	1892.0
12152.4	70°	11940.9	10379.1	3467.6	1138.7	1158.5	1397.7	1638.9	1660.6	1674.5	1690.3
10545.1	72.5°	9307.5	7631.1	1984.9	921.3	962.8	1211.9	1429.3	1455.0	1463.0	1492.6
7338.5	75°	5671.9	4487.7	1071.5	725.5	790.8	1035.9	1221.8	1251.4	1265.3	1300.8
3604.0	77.5°	2696.6	1943.4	610.9	565.4	636.6	846.1	1032.0	1065.6	1028.0	1047.8
994.4	80°	911.4	721.6	385.5	431.0	486.3	660.3	826.4	860.0	780.9	776.9
330.2	82.5°	318.3	292.6	245.1	286.7	314.3	472.5	624.7	668.2	581.2	579.3
148.3	85°	124.5	118.6	136.4	156.2	187.8	290.6	411.2	433.0	357.8	288.6
43.5	87.5°	25.7	27.7	33.6	35.6	57.3	100.8	148.3	181.9	144.3	122.6
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°
4262.3
4422.5
4655.7
4924.6
5231.0
5581.0
6011.9
6480.5
6735.5
6603.1
6247.2
5885.4
5569.1
5266.6
4940.4
4592.5
4284.1
4212.9
4023.1
3691.0
3157.2
2720.3
2572.0
2451.4
2388.2
2249.8
2089.6
1895.9
1698.2
1504.5
1304.8
1032.0
769.0
551.6
284.7
112.7
0.0

F REPORT)