

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: P850188

Luminaire Tested: **GLAN-SB7C-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850188
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-SB7C-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42494 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

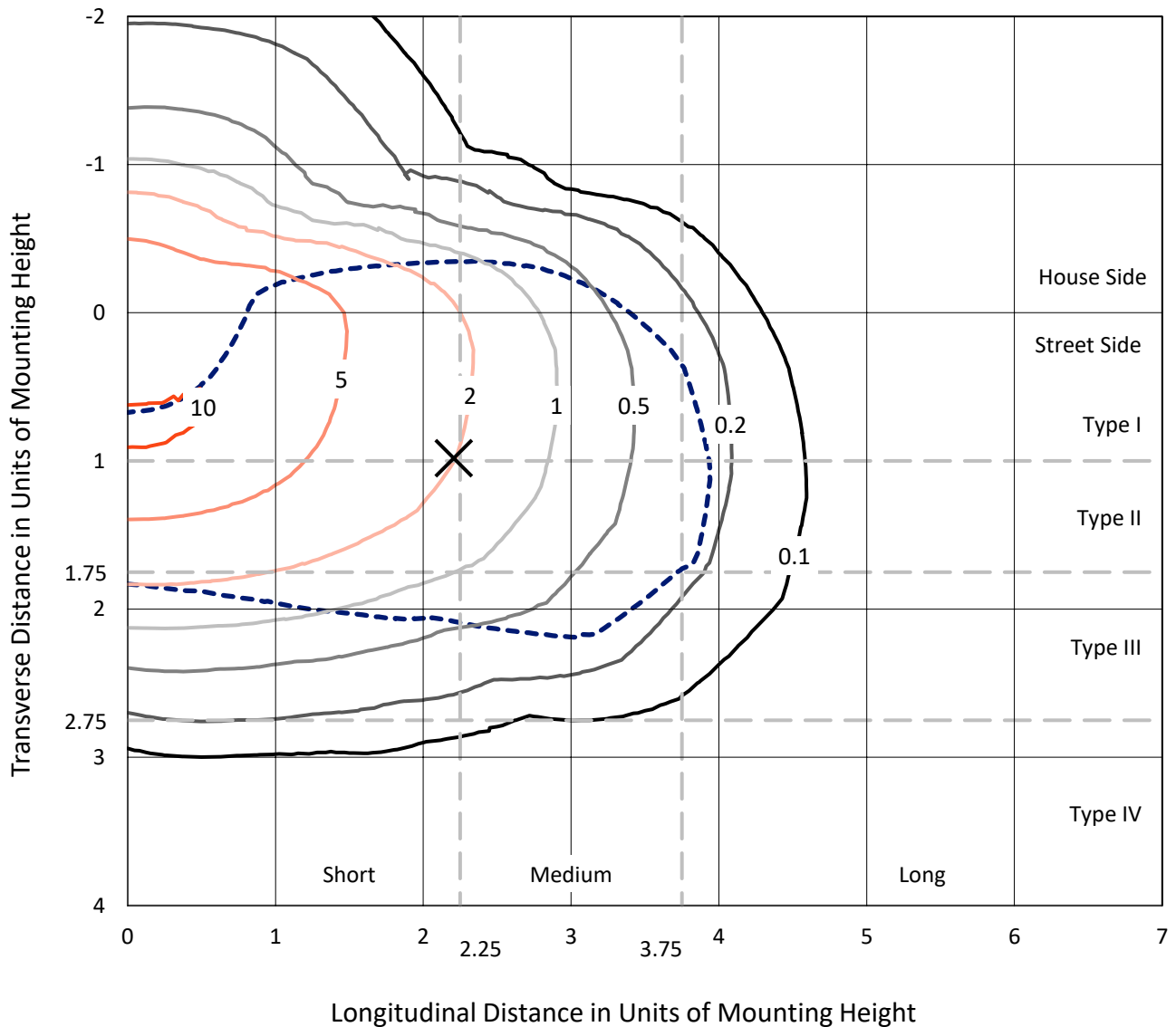
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850188
 CATALOG NUMBER: GLAN-SB7C-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

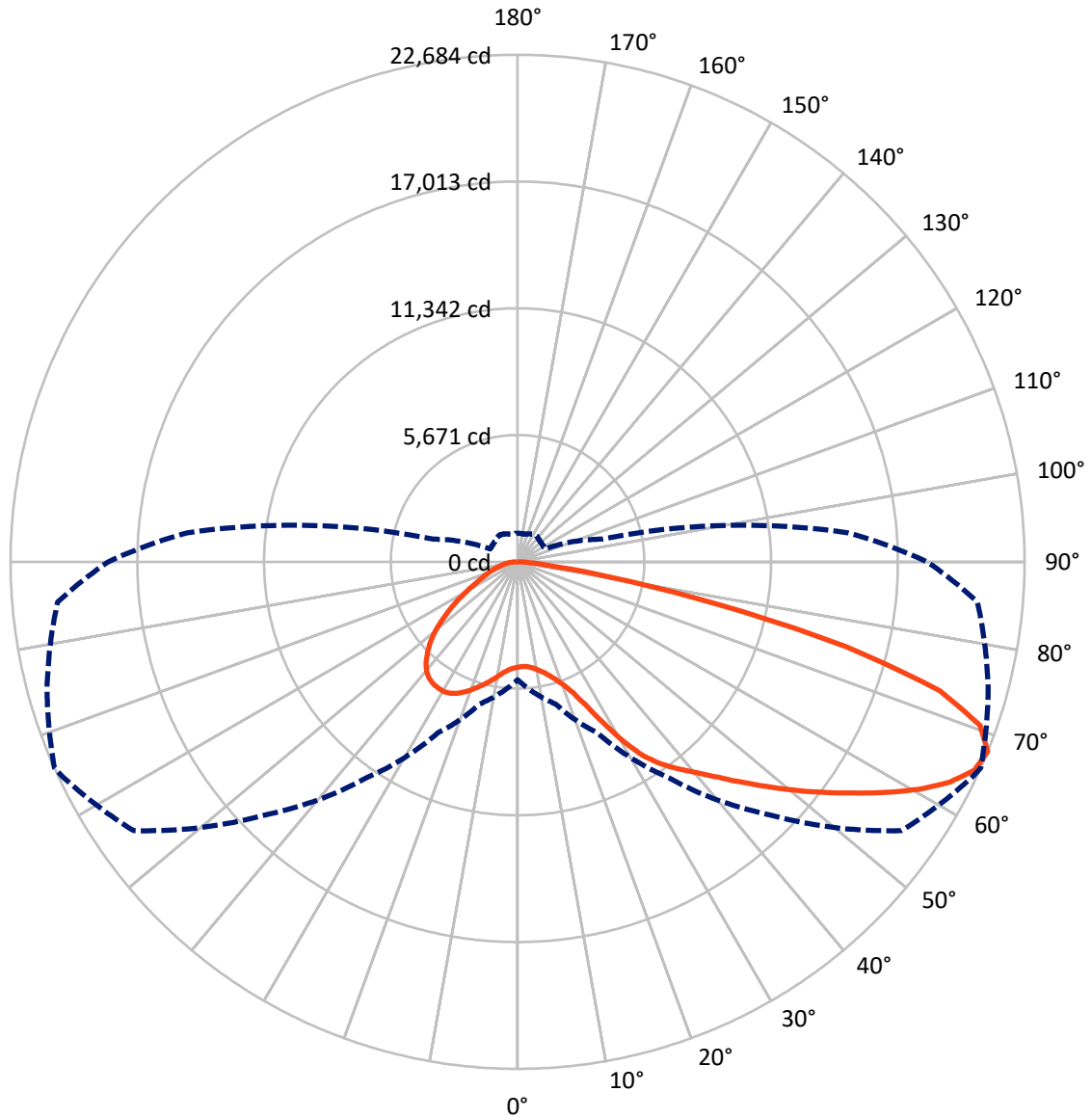
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

REPORT NUMBER: P850188
CATALOG NUMBER: GLAN-SB7C-827-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850188
 CATALOG NUMBER: GLAN-SB7C-827-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10566.0	0.0	10566.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	31928.0	0.0	31928.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	42494.0	0.0	42494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.3	1.1
10°-20°	1543.9	3.6
20°-30°	2975.7	7.0
30°-40°	5217.5	12.3
40°-50°	7756.7	18.3
50°-60°	9832.4	23.1
60°-70°	9620.8	22.6
70°-80°	4589.2	10.8
80°-90°	490.5	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°	42494.0	100.0
0°-180°	42494.0	100.0

Coefficient of Utilization

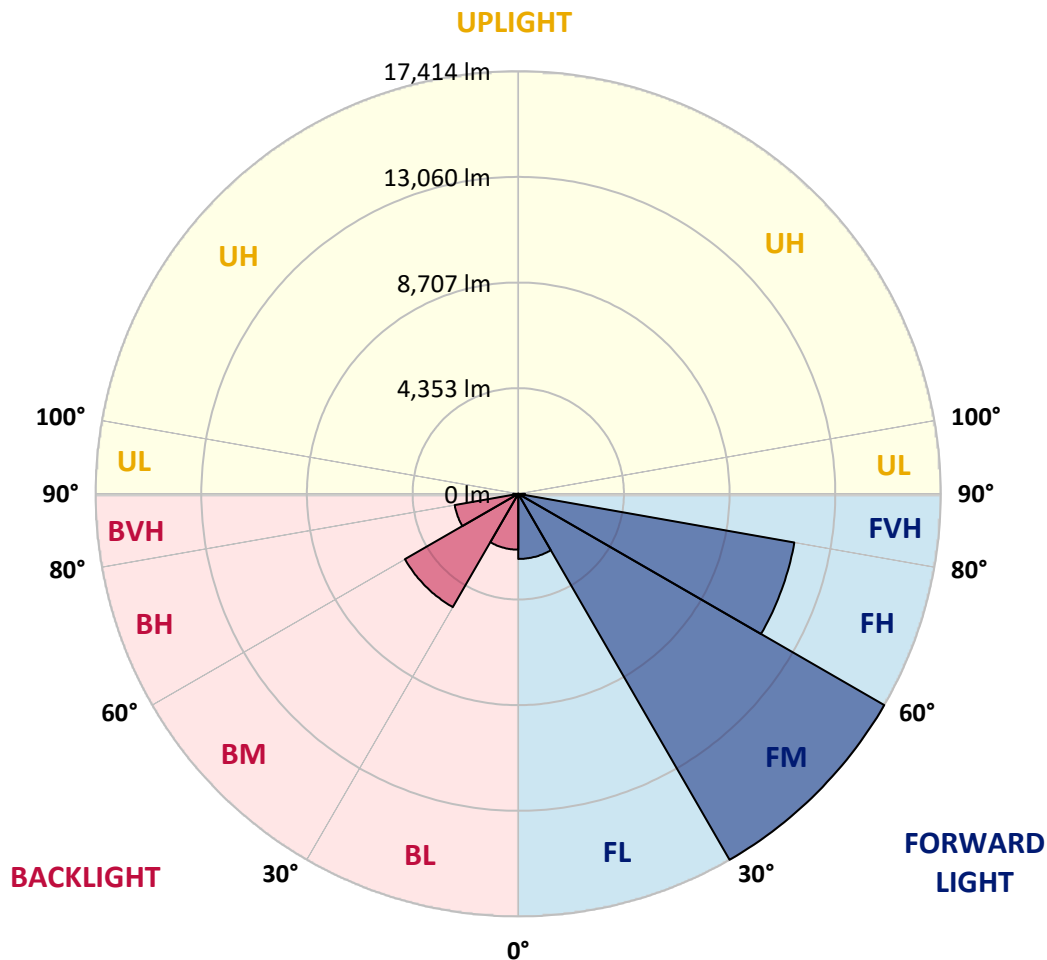


REPORT NUMBER: P850188
 CATALOG NUMBER: GLAN-SB7C-827-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2685.2	6.3			
FM (30°-60°)	17413.7	41.0			
FH (60°-80°)	11551.0	27.2			G4/12000
FVH (80°-90°)	278.1	0.7			G3/500
BL (0°-30°)	2301.7	5.4	B3/2500		
BM (30°-60°)	5393.0	12.7	B4/8500		
BH (60°-80°)	2659.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	212.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short



REPORT NUMBER: P850188
 CATALOG NUMBER: GLAN-SB7C-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1
2.5°	4664.0	4690.8	4684.1	4673.0	4670.7	4675.2	4681.9	4688.6	4686.4	4697.5
5°	4650.6	4677.4	4675.2	4675.2	4684.1	4702.0	4713.1	4724.3	4713.1	4726.5
7.5°	4659.6	4679.7	4688.6	4697.5	4719.8	4753.3	4780.1	4804.7	4791.3	4806.9
10°	4773.4	4789.1	4798.0	4798.0	4813.6	4851.6	4878.4	4923.0	4911.9	4936.4
12.5°	4981.1	4996.7	4996.7	4987.8	4998.9	5023.5	5032.4	5081.5	5061.4	5101.6
15°	5235.6	5266.8	5242.3	5226.7	5231.1	5255.7	5253.5	5291.4	5271.3	5304.8
17.5°	5516.9	5557.1	5516.9	5514.7	5505.7	5532.5	5534.8	5568.3	5532.5	5557.1
20°	5849.6	5905.4	5871.9	5883.1	5863.0	5874.1	5885.3	5934.4	5878.6	5896.5
22.5°	6318.4	6385.4	6349.7	6392.1	6378.7	6369.8	6367.5	6454.6	6367.5	6374.2
25°	7001.6	7082.0	7019.5	7077.5	7077.5	7106.6	7140.0	7251.7	7106.6	7064.1
27.5°	8010.8	8091.2	7968.4	8004.1	7992.9	8064.4	8028.6	8305.5	8149.2	8080.0
30°	9225.4	9368.2	9136.0	9127.1	9116.0	9229.8	9281.2	9464.2	9305.7	9236.5
32.5°	10538.2	10687.7	10410.9	10330.5	10288.1	10357.3	10314.9	10462.2	10352.8	10245.7
35°	11926.9	12074.2	11810.8	11654.5	11484.8	11339.7	11187.9	11225.8	11123.1	10960.1
37.5°	13239.7	13509.8	13230.7	13063.3	12750.7	12467.2	12043.0	11866.6	11770.6	11621.0
40°	14577.0	14731.1	14519.0	14376.1	14036.7	13592.4	12913.7	12540.9	12411.4	12266.2
42.5°	15561.6	15709.0	15595.1	15496.9	15231.2	14715.5	13838.0	13371.4	13183.9	13020.9
45°	16343.1	16452.5	16381.0	16416.8	16302.9	15802.8	14795.8	14262.2	14068.0	13869.3
47.5°	16657.9	16774.0	16887.8	17099.9	17294.2	16925.8	15825.1	15226.7	15021.3	14818.2
50°	16622.2	16740.5	17070.9	17521.9	18124.7	18001.9	16910.2	16253.8	16064.0	15831.8
52.5°	16336.4	16470.3	16894.5	17644.7	18604.8	18807.9	18015.3	17314.3	17135.7	16858.8
55°	15586.2	15666.6	16302.9	17365.6	18718.6	19370.6	19098.2	18444.0	18265.4	17879.1
57.5°	14195.3	14311.4	15237.9	16613.2	18432.8	19752.3	20049.3	19631.8	19459.9	18903.9
60°	12380.1	12565.4	13625.9	15349.5	17705.0	19750.1	20913.3	20799.5	20656.6	19913.1
62.5°	10326.1	10540.4	11560.7	13563.4	16432.4	19189.7	21453.6	21777.4	21703.7	20844.1
65°	7930.4	8077.8	9093.6	11252.6	14452.0	17986.3	21516.1	22444.9	22458.3	21551.9
67.5°	5280.2	5704.4	6586.3	8443.9	11799.6	16019.3	20966.9	22554.3	22683.8	21795.2
70°	2576.5	3134.7	3998.7	5487.9	8443.9	13003.0	19531.3	21656.8	21944.8	21085.2
72.5°	1069.4	1250.3	1721.4	2708.2	4847.1	8774.4	16646.7	19223.2	19756.8	18682.9
75°	721.1	781.4	984.6	1388.7	2208.1	4326.9	12005.0	14333.7	15193.3	14110.4
77.5°	555.9	593.9	716.7	971.2	1312.8	1636.5	6425.6	8638.2	9082.5	8408.2
80°	437.6	466.6	535.8	707.8	931.0	875.2	2190.2	3913.9	4170.6	3498.6
82.5°	379.6	390.7	384.0	480.0	618.4	511.3	718.9	1444.5	1594.1	1156.5
85°	274.6	305.9	319.3	296.9	328.2	259.0	294.7	511.3	562.6	502.3
87.5°	111.6	165.2	203.2	192.0	120.6	73.7	91.5	149.6	171.9	187.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850188
 CATALOG NUMBER: GLAN-SB7C-827-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4713.1	0°	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1	4713.1
4715.4	2.5°	4717.6	4733.2	4744.4	4757.8	4766.7	4780.1	4806.9	4822.5	4824.8	4835.9
4751.1	5°	4760.0	4782.4	4806.9	4842.6	4882.8	4916.3	4967.7	5003.4	5016.8	5028.0
4838.2	7.5°	4851.6	4882.8	4927.5	4990.0	5048.0	5092.7	5155.2	5197.6	5240.1	5255.7
4976.6	10°	4987.8	5032.4	5097.2	5182.0	5244.5	5302.6	5367.3	5403.0	5445.5	5463.3
5141.8	12.5°	5157.4	5204.3	5289.2	5407.5	5465.6	5505.7	5528.1	5519.1	5528.1	5543.7
5340.5	15°	5351.7	5403.0	5499.0	5626.3	5666.5	5630.8	5581.7	5537.0	5530.3	5534.8
5581.7	17.5°	5581.7	5619.6	5731.2	5838.4	5809.4	5662.0	5554.9	5483.4	5447.7	5436.5
5889.8	20°	5903.2	5903.2	5994.7	6061.7	5867.4	5617.4	5449.9	5333.8	5260.1	5228.9
6309.5	22.5°	6293.9	6258.1	6316.2	6269.3	5856.3	5492.3	5260.1	5059.2	4947.6	4902.9
6896.7	25°	6789.5	6747.1	6731.5	6441.2	5775.9	5293.6	4916.3	4673.0	4574.7	4550.2
7742.9	27.5°	7537.5	7430.3	7227.1	6535.0	5628.5	4981.1	4514.4	4288.9	4233.1	4235.4
8830.2	30°	8533.2	8318.9	7821.0	6550.6	5387.4	4539.0	4103.6	3942.9	3916.1	3927.2
9743.3	32.5°	9455.3	9252.1	8428.3	6479.2	5016.8	4105.9	3735.2	3628.1	3587.9	3601.3
10439.9	35°	10178.7	10122.9	8990.9	6378.7	4561.3	3699.5	3404.8	3313.3	3235.1	3217.3
11096.3	37.5°	10861.9	10839.6	9412.9	6238.1	4110.3	3411.5	3139.1	3018.6	2904.7	2842.2
11821.9	40°	11612.1	11589.7	9689.7	6021.5	3710.7	3161.4	2900.2	2741.7	2601.0	2487.2
12643.6	42.5°	12456.0	12324.3	9821.5	5711.1	3371.3	2949.3	2706.0	2491.6	2306.3	2201.4
13572.3	45°	13378.1	13081.2	9819.2	5316.0	3085.5	2755.1	2498.3	2194.7	2022.8	1924.6
14525.7	47.5°	14356.0	13804.5	9698.7	4878.4	2808.7	2540.8	2176.8	1944.6	1830.8	1770.5
15561.6	50°	15365.2	14481.0	9493.3	4376.0	2525.1	2297.4	1975.9	1817.4	1730.3	1674.5
16588.7	52.5°	16314.0	15095.0	9245.4	3806.7	2237.1	2060.7	1886.6	1763.8	1672.3	1609.7
17584.4	55°	17196.0	15624.2	8894.9	3224.0	2002.7	1902.2	1844.2	1741.5	1636.5	1562.9
18595.8	57.5°	17979.6	15968.0	8289.9	2677.0	1835.2	1792.8	1799.5	1703.5	1583.0	1520.4
19591.6	60°	18631.6	16220.3	7394.6	2170.1	1699.1	1685.7	1730.3	1632.1	1491.4	1420.0
20433.3	62.5°	19022.3	16215.8	6296.1	1777.2	1583.0	1587.4	1638.8	1542.8	1399.9	1332.9
20873.1	65°	18988.8	15818.4	5090.5	1520.4	1471.3	1475.8	1542.8	1444.5	1324.0	1283.8
20652.1	67.5°	18316.7	14849.4	3904.9	1353.0	1348.5	1368.6	1446.8	1377.6	1277.1	1272.6
19334.8	70°	16497.1	12837.8	2813.2	1219.0	1221.3	1250.3	1353.0	1335.1	1252.5	1261.5
16256.0	72.5°	13228.5	9788.0	1888.8	1078.4	1080.6	1127.5	1263.7	1301.6	1228.0	1346.3
11533.9	75°	8810.1	6104.1	1214.6	928.8	931.0	991.3	1185.5	1236.9	1161.0	1341.8
6001.4	77.5°	4233.1	2743.9	879.7	781.4	781.4	837.2	1024.8	1107.4	989.1	1042.7
1929.0	80°	1462.4	1031.5	692.1	629.6	616.2	654.2	864.0	960.0	852.9	785.9
629.6	82.5°	576.0	535.8	555.9	489.0	444.3	468.9	672.0	792.6	627.4	567.1
355.0	85°	330.4	348.3	392.9	323.7	256.8	288.0	493.4	569.3	473.3	417.5
116.1	87.5°	89.3	122.8	180.8	167.4	116.1	122.8	234.4	314.8	272.4	209.9
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°
4713.1
4833.7
5025.7
5257.9
5472.3
5548.2
5550.4
5452.2
5222.2
4896.2
4554.6
4242.1
3965.2
3619.1
3230.7
2844.4
2498.3
2208.1
1920.1
1757.1
1654.4
1583.0
1533.8
1480.3
1388.7
1312.8
1281.5
1279.3
1259.2
1364.2
1353.0
955.6
736.8
564.9
426.4
216.6
0.0

F REPORT)