

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: P853185

Luminaire Tested: **GLAN-SB9B-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40418 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

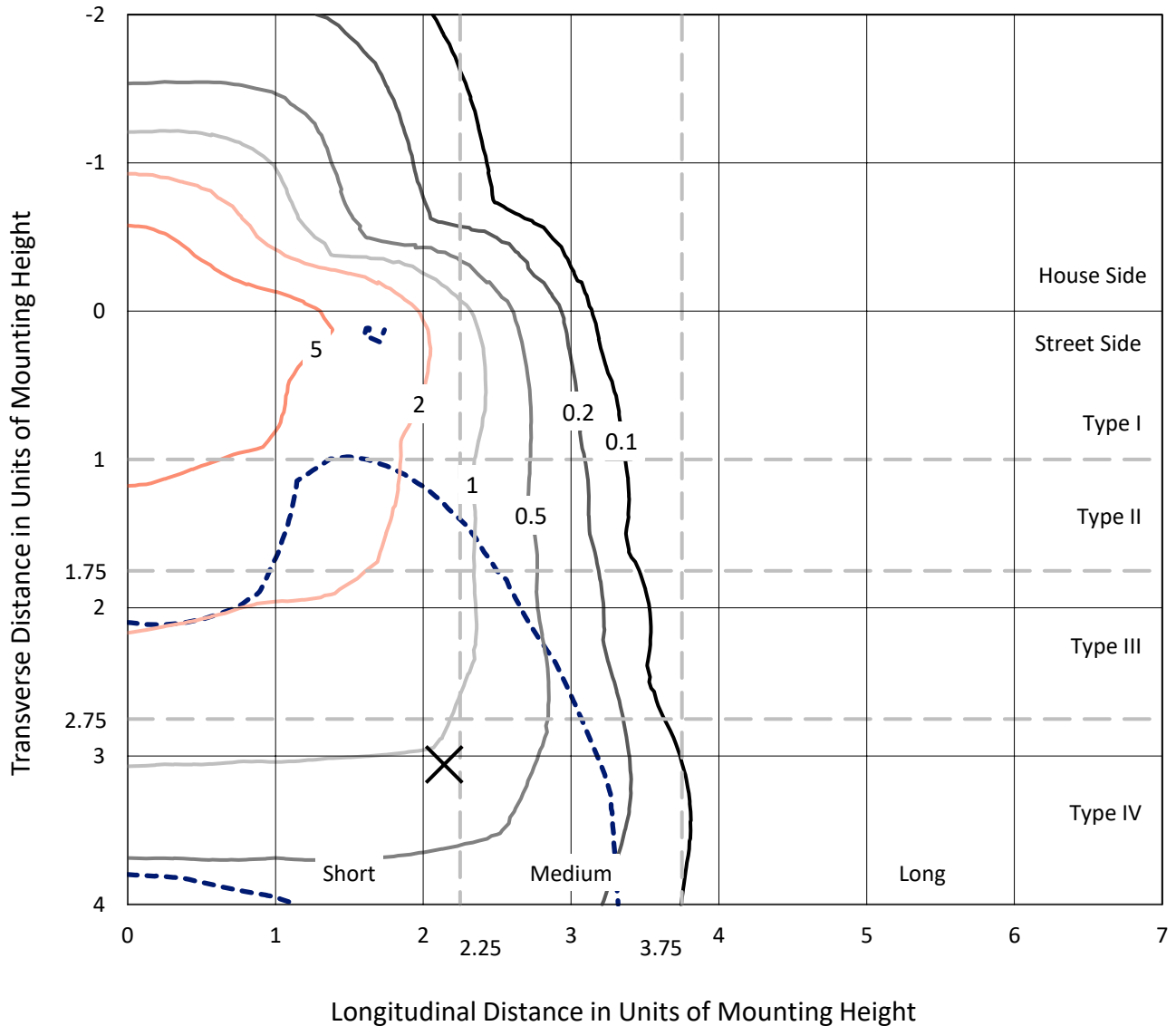
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853185
 CATALOG NUMBER: GLAN-SB9B-827-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

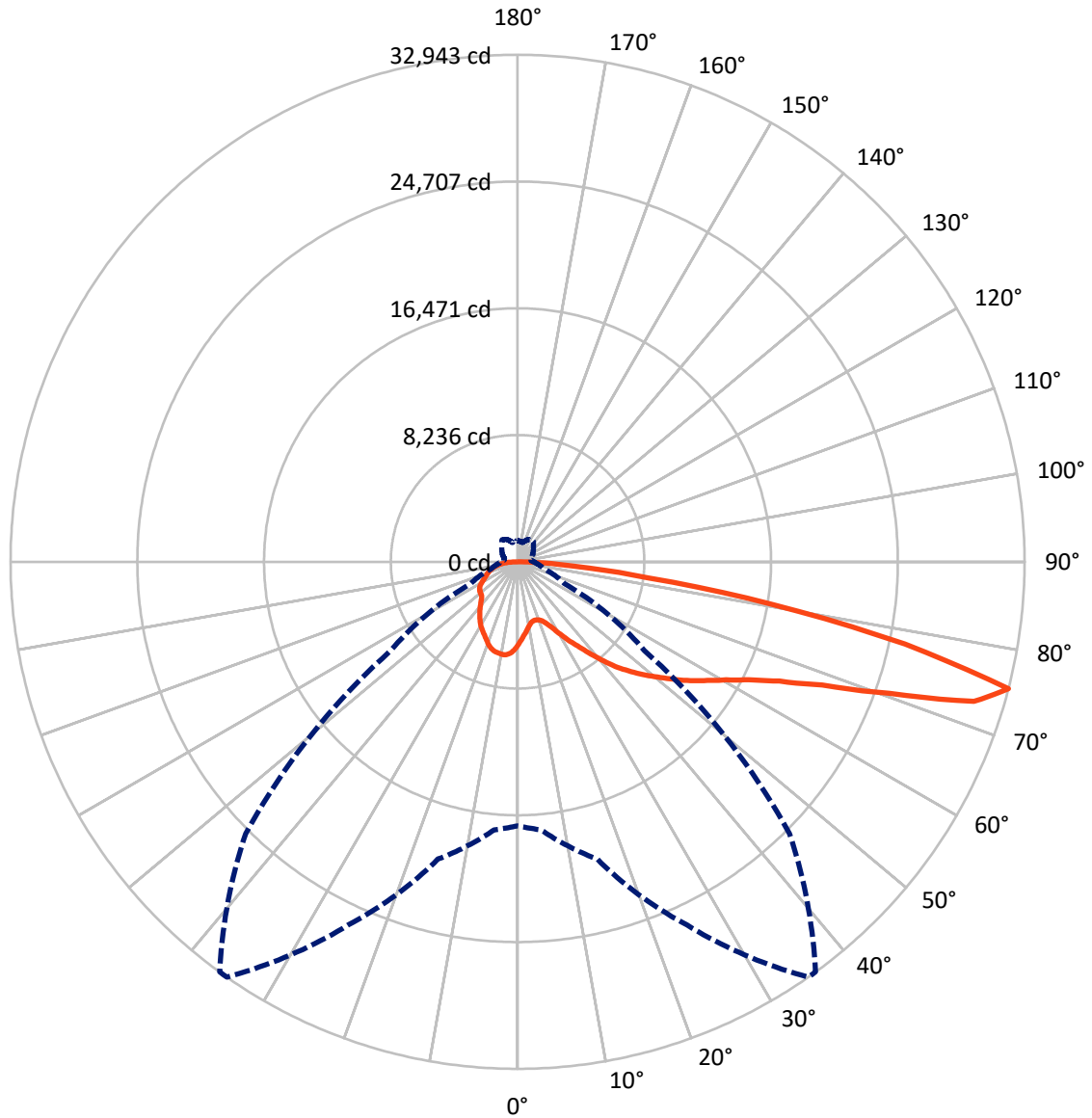
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P853185
CATALOG NUMBER: GLAN-SB9B-827-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P853185
 CATALOG NUMBER: GLAN-SB9B-827-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9618.5	0.0	9618.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	30799.5	0.0	30799.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	40418.0	0.0	40418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.9	1.3
10°-20°	1470.9	3.6
20°-30°	2470.0	6.1
30°-40°	3838.8	9.5
40°-50°	5697.7	14.1
50°-60°	7866.1	19.5
60°-70°	9543.3	23.6
70°-80°	7886.8	19.5
80°-90°	1134.4	2.8
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°	40418.0	100.0
0°-180°	40418.0	100.0

Coefficient of Utilization

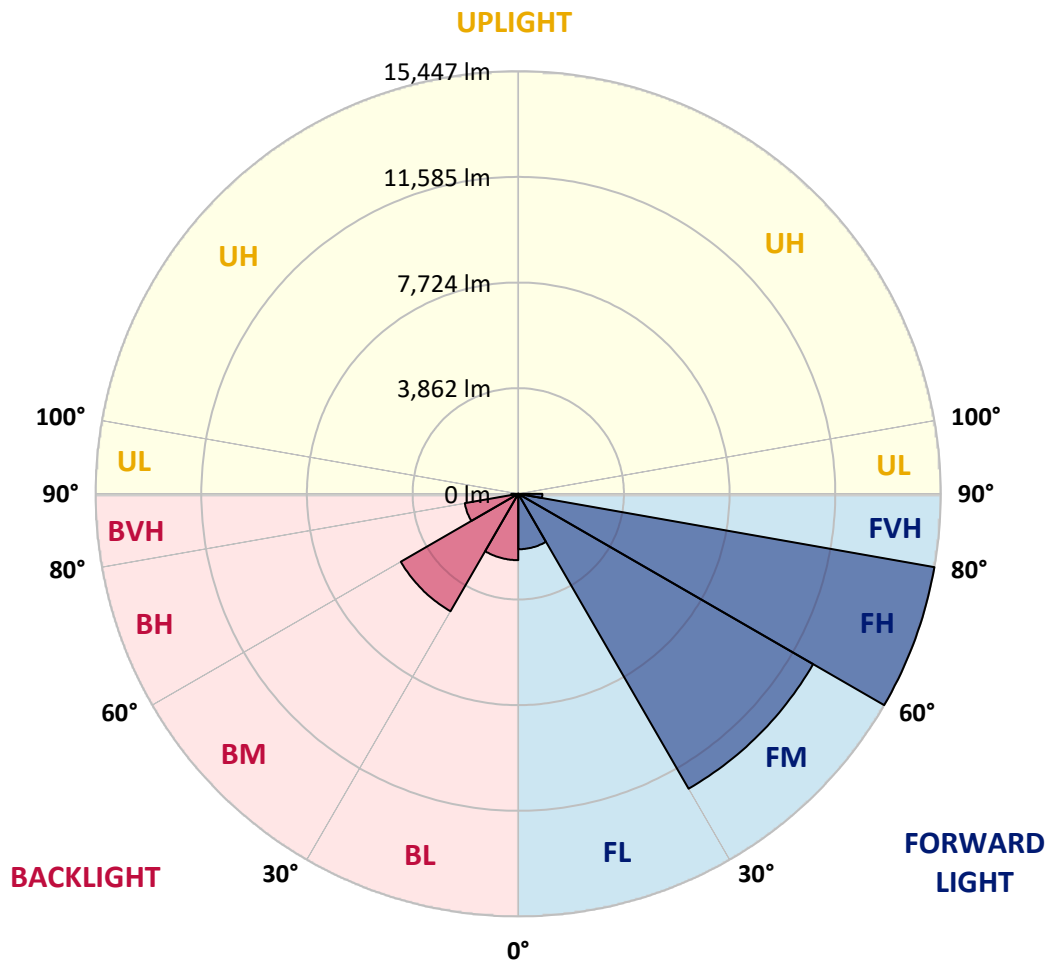


REPORT NUMBER: P853185
 CATALOG NUMBER: GLAN-SB9B-827-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2026.9	5.0			
FM (30°-60°)	12446.6	30.8			
FH (60°-80°)	15447.2	38.2			G5
FVH (80°-90°)	878.9	2.2			G5
BL (0°-30°)	2424.0	6.0	B3/2500		
BM (30°-60°)	4956.0	12.3	B3/5000		
BH (60°-80°)	1983.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	255.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



REPORT NUMBER: P853185
 CATALOG NUMBER: GLAN-SB9B-827-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0
2.5°	4966.5	4997.0	5010.2	5003.6	5036.4	5032.0	5077.9	5134.7	5213.4	5289.8
5°	4584.1	4616.9	4645.3	4671.5	4734.8	4754.5	4826.6	4935.9	5080.1	5226.5
7.5°	4227.9	4256.3	4300.0	4348.1	4455.2	4474.8	4595.0	4765.4	4966.5	5180.6
10°	3937.3	3965.7	4011.6	4066.2	4199.5	4223.6	4376.5	4603.7	4865.9	5136.9
12.5°	3812.8	3821.5	3847.7	3902.4	4018.2	4033.5	4201.7	4461.7	4767.6	5104.1
15°	3806.2	3823.7	3825.9	3854.3	3950.4	3957.0	4112.1	4370.0	4706.4	5097.6
17.5°	3871.8	3884.9	3865.2	3882.7	3963.6	3974.5	4096.8	4326.3	4686.8	5126.0
20°	4046.6	4057.5	3998.5	3974.5	4033.5	4042.2	4162.4	4354.7	4706.4	5185.0
22.5°	4418.0	4424.6	4280.4	4182.0	4186.4	4190.8	4295.7	4470.5	4782.9	5292.0
25°	4997.0	4992.7	4763.3	4573.2	4463.9	4439.9	4509.8	4658.4	4911.8	5434.0
27.5°	5674.4	5641.6	5412.2	5128.1	4890.0	4855.0	4839.7	4903.1	5095.4	5621.9
30°	6439.1	6408.5	6161.6	5790.2	5460.3	5403.5	5259.2	5226.5	5368.5	5877.6
32.5°	7278.2	7258.5	6963.5	6513.4	6072.1	6006.5	5764.0	5676.6	5788.0	6264.3
35°	7981.7	7964.2	7719.5	7256.3	6716.6	6635.8	6388.9	6290.6	6347.4	6760.3
37.5°	8617.6	8608.8	8399.1	8034.2	7477.0	7378.7	7101.2	7068.4	7057.5	7413.6
40°	9207.5	9185.6	8967.2	8774.9	8361.9	8272.3	8027.6	7999.2	7916.2	8217.7
42.5°	9860.8	9804.0	9487.2	9397.6	9286.2	9211.9	9065.5	9069.8	8886.3	9124.5
45°	10393.9	10361.2	10035.6	9983.2	10103.3	10072.8	10199.5	10232.3	9876.1	10074.9
47.5°	10966.4	10935.8	10660.5	10623.4	10948.9	10957.7	11405.6	11416.5	10841.9	11062.5
50°	11672.2	11628.5	11355.3	11401.2	11766.1	11798.9	12618.3	12544.0	11731.1	12065.5
52.5°	12137.6	12163.8	12104.8	12179.1	12677.2	12707.8	13811.2	13621.2	12611.7	13055.2
55°	12480.6	12533.0	12716.6	12887.0	13638.6	13669.2	14936.5	14645.9	13341.5	13972.9
57.5°	12922.0	12847.7	13190.7	13522.8	14552.0	14632.8	16031.2	15633.5	13988.2	14763.9
60°	13555.6	13503.2	13769.7	14261.4	15574.5	15703.4	17189.2	16522.8	14462.4	15391.0
62.5°	14840.4	14709.3	14750.8	15185.6	16863.7	17034.1	18495.8	17298.5	14698.4	15635.7
65°	16761.0	16535.9	16326.2	16627.7	18679.4	18847.6	19970.7	17908.1	14611.0	15161.6
67.5°	19179.7	18956.9	18699.0	18983.1	21353.8	21487.1	21790.8	18251.1	13922.7	13334.9
70°	21174.6	21091.6	21399.7	22568.6	25625.4	25629.8	24124.3	17967.1	12037.0	9454.4
72.5°	20910.2	20860.0	22483.4	26097.4	31009.2	30893.4	26333.4	15817.1	8108.5	4265.1
75°	17154.3	17479.8	19994.7	26034.0	32942.9	32927.6	24980.9	10055.3	3353.9	1767.6
77.5°	9198.8	9714.4	12981.0	19221.3	25717.2	26103.9	17562.9	3517.8	1439.9	1131.8
80°	3000.0	3450.1	5174.0	9786.5	16710.7	16638.6	7527.3	1380.9	985.4	801.9
82.5°	1273.8	1326.3	2311.7	4621.2	8576.0	8442.8	2396.9	793.1	692.6	548.4
85°	498.2	557.2	1020.4	2136.9	3714.5	3633.6	865.3	393.3	443.6	358.3
87.5°	163.9	198.8	364.9	732.0	1155.9	1114.3	211.9	135.5	192.3	163.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853185
 CATALOG NUMBER: GLAN-SB9B-827-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5386.0	0°	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0	5386.0
5401.3	2.5°	5431.9	5466.8	5508.3	5569.5	5621.9	5665.6	5711.5	5739.9	5750.9	5783.6
5410.0	5°	5471.2	5547.7	5650.4	5750.9	5849.2	5908.2	5960.6	5986.8	6010.9	6028.4
5434.0	7.5°	5536.7	5635.1	5796.7	5927.8	6010.9	6058.9	6093.9	6085.2	6093.9	6098.3
5460.3	10°	5593.5	5731.2	5923.5	6048.0	6111.4	6113.6	6104.8	6074.2	6058.9	6061.1
5499.6	12.5°	5661.3	5814.2	6021.8	6126.7	6144.2	6096.1	6058.9	6006.5	5986.8	5978.1
5558.6	15°	5753.0	5927.8	6128.9	6168.2	6124.5	6063.3	6000.0	5914.7	5871.0	5836.1
5659.1	17.5°	5864.5	6056.8	6211.9	6183.5	6089.5	5989.0	5886.3	5757.4	5667.8	5630.7
5796.7	20°	6019.6	6192.2	6275.3	6150.7	6008.7	5855.7	5680.9	5523.6	5440.6	5403.5
5971.5	22.5°	6207.5	6373.6	6336.4	6093.9	5892.9	5648.2	5429.7	5313.9	5272.4	5246.1
6196.6	25°	6432.6	6574.6	6380.1	6010.9	5702.8	5372.9	5204.6	5167.5	5147.8	5128.1
6471.9	27.5°	6725.4	6801.8	6412.9	5888.5	5405.6	5080.1	5018.9	5025.5	5018.9	4986.1
6854.3	30°	7112.1	7096.8	6443.5	5689.7	5064.8	4815.7	4820.1	4848.5	4852.8	4831.0
7387.4	32.5°	7621.2	7466.1	6458.8	5431.9	4739.2	4584.1	4588.5	4619.0	4640.9	4603.7
8084.4	35°	8237.4	7896.5	6434.8	5108.5	4487.9	4363.4	4330.6	4339.4	4345.9	4311.0
8930.0	37.5°	8956.2	8379.4	6327.7	4750.1	4280.4	4147.1	4077.2	4018.2	3983.2	3950.4
9887.0	40°	9745.0	8906.0	6131.0	4400.5	4048.8	3917.7	3812.8	3701.4	3583.4	3539.7
10900.9	42.5°	10570.9	9447.8	5892.9	4066.2	3782.2	3675.1	3563.7	3402.0	3225.0	3135.4
11954.0	45°	11427.4	10002.8	5659.1	3736.3	3509.1	3463.2	3334.3	3139.8	2947.5	2833.9
13009.4	47.5°	12266.5	10527.2	5316.1	3404.2	3253.4	3303.7	3203.2	3024.0	2809.9	2630.7
14056.0	50°	13068.4	11018.8	4754.5	3067.7	3045.9	3255.6	3159.5	2901.7	2656.9	2427.5
15082.9	52.5°	13863.7	11416.5	4035.7	2761.8	2934.4	3242.5	3102.7	2818.6	2519.3	2278.9
16048.7	55°	14538.8	11621.9	3343.0	2499.6	2772.7	3131.1	3034.9	2720.3	2324.8	2069.2
16710.7	57.5°	14923.4	11455.8	2766.2	2241.8	2549.9	2947.5	2919.1	2510.5	2093.2	1896.6
16839.6	60°	14757.3	10782.9	2294.2	2016.7	2337.9	2748.7	2718.1	2303.0	1916.2	1730.5
16149.2	62.5°	13841.8	9500.3	1920.6	1820.1	2145.6	2545.5	2517.1	2143.5	1780.8	1601.6
14316.0	65°	11997.7	7728.3	1630.0	1656.2	1951.2	2300.8	2342.3	2010.2	1673.7	1498.9
11075.7	67.5°	9150.7	5597.9	1402.8	1514.2	1761.1	2060.4	2180.6	1914.0	1584.1	1418.1
6408.5	70°	5215.5	3179.1	1210.5	1376.5	1592.8	1837.6	2056.1	1837.6	1488.0	1350.3
2401.3	72.5°	1977.4	1459.6	1046.6	1238.9	1431.2	1649.7	1918.4	1717.4	1376.5	1273.8
1241.1	75°	1055.3	889.3	880.5	1077.2	1245.4	1466.1	1745.8	1599.4	1293.5	1345.9
858.7	77.5°	718.9	629.3	736.3	922.1	1042.2	1262.9	1562.3	1420.2	1120.9	1116.5
594.3	80°	498.2	445.7	598.7	742.9	806.3	1061.9	1363.4	1219.2	913.3	852.1
367.1	82.5°	299.3	290.6	447.9	555.0	570.3	819.4	1129.6	1022.6	747.3	651.1
218.5	85°	163.9	172.6	286.2	325.6	332.1	572.5	884.9	791.0	574.6	482.9
78.7	87.5°	45.9	59.0	104.9	128.9	159.5	297.2	526.6	469.8	288.4	201.0
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°
5386.0
5781.5
6032.7
6104.8
6065.5
5973.7
5847.0
5632.9
5399.1
5250.5
5128.1
4992.7
4841.9
4621.2
4335.0
3972.3
3559.3
3146.4
2825.2
2611.0
2407.8
2252.7
2047.3
1870.3
1704.3
1573.2
1470.5
1391.8
1332.8
1256.4
1389.6
1029.1
815.0
655.5
487.3
201.0
0.0

F REPORT)