

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: P853211

Luminaire Tested: **GLAN-SB9C-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853211
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-SB9C-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66160 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

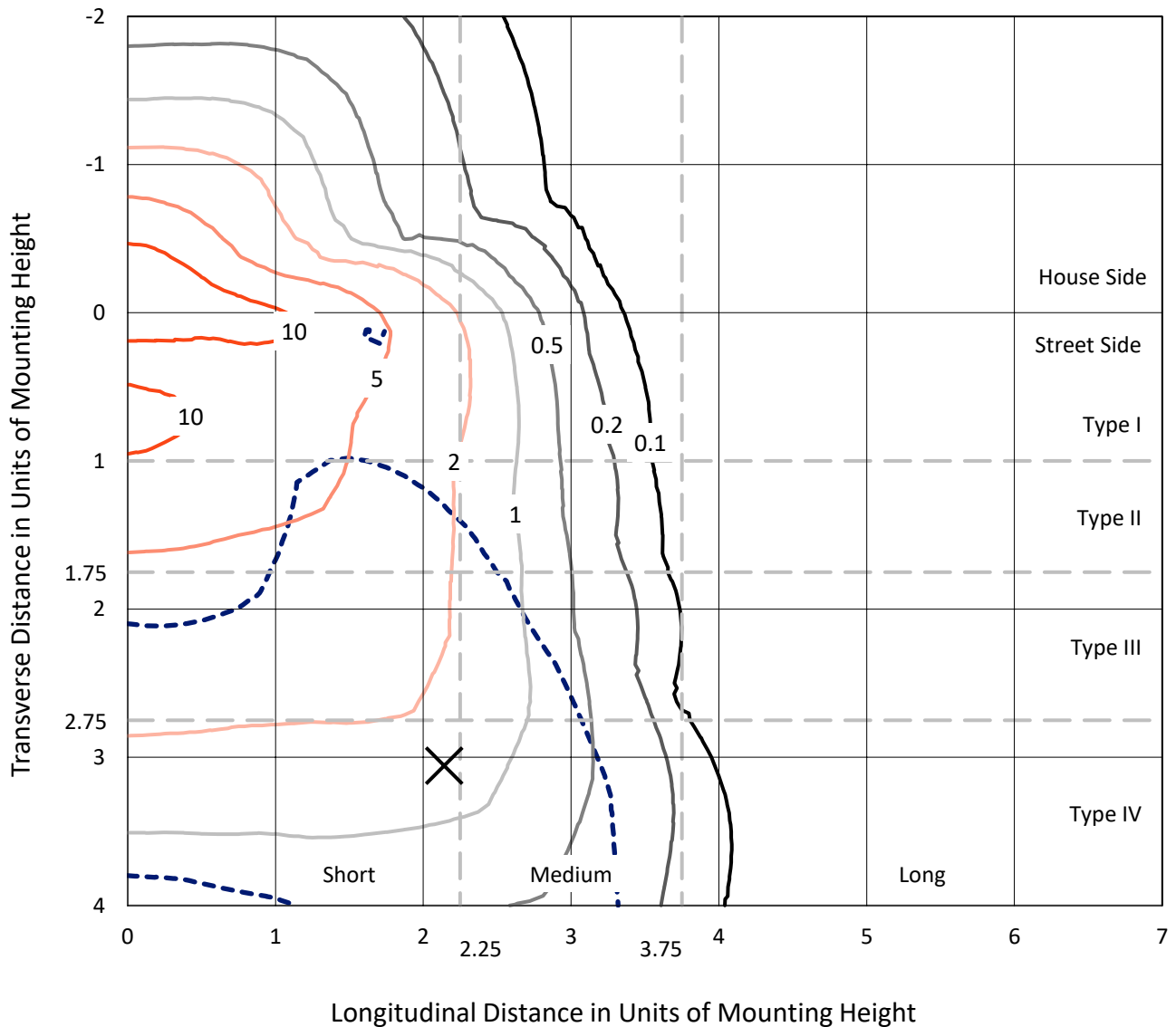
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853211
 CATALOG NUMBER: GLAN-SB9C-735-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

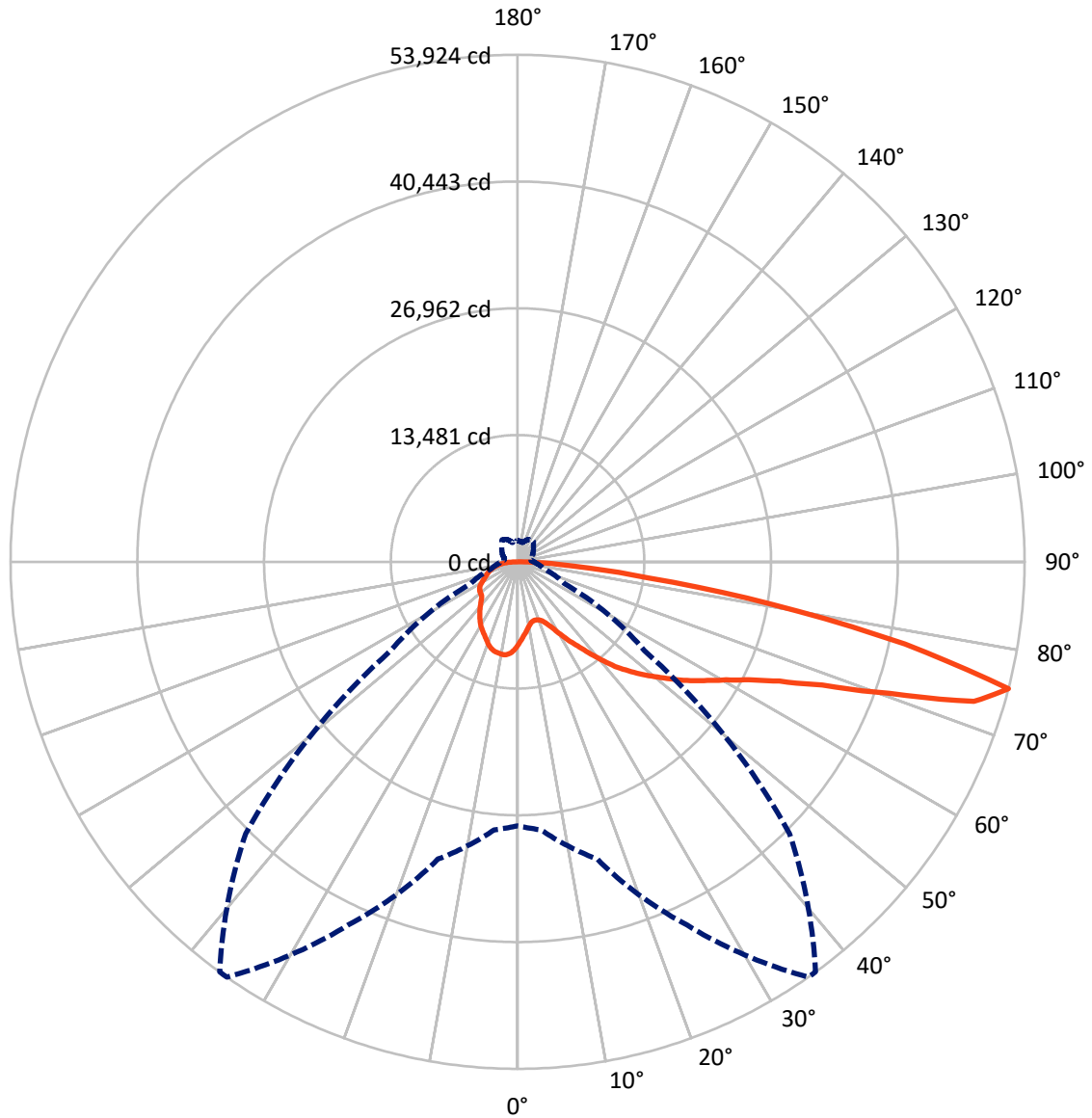
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P853211
CATALOG NUMBER: GLAN-SB9C-735-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853211
 CATALOG NUMBER: GLAN-SB9C-735-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15744.4	0.0	15744.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	50415.6	0.0	50415.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	66160.0	0.0	66160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.7	1.3
10°-20°	2407.7	3.6
20°-30°	4043.2	6.1
30°-40°	6283.6	9.5
40°-50°	9326.6	14.1
50°-60°	12875.9	19.5
60°-70°	15621.4	23.6
70°-80°	12909.9	19.5
80°-90°	1856.8	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°	66160.0	100.0
0°-180°	66160.0	100.0

Coefficient of Utilization

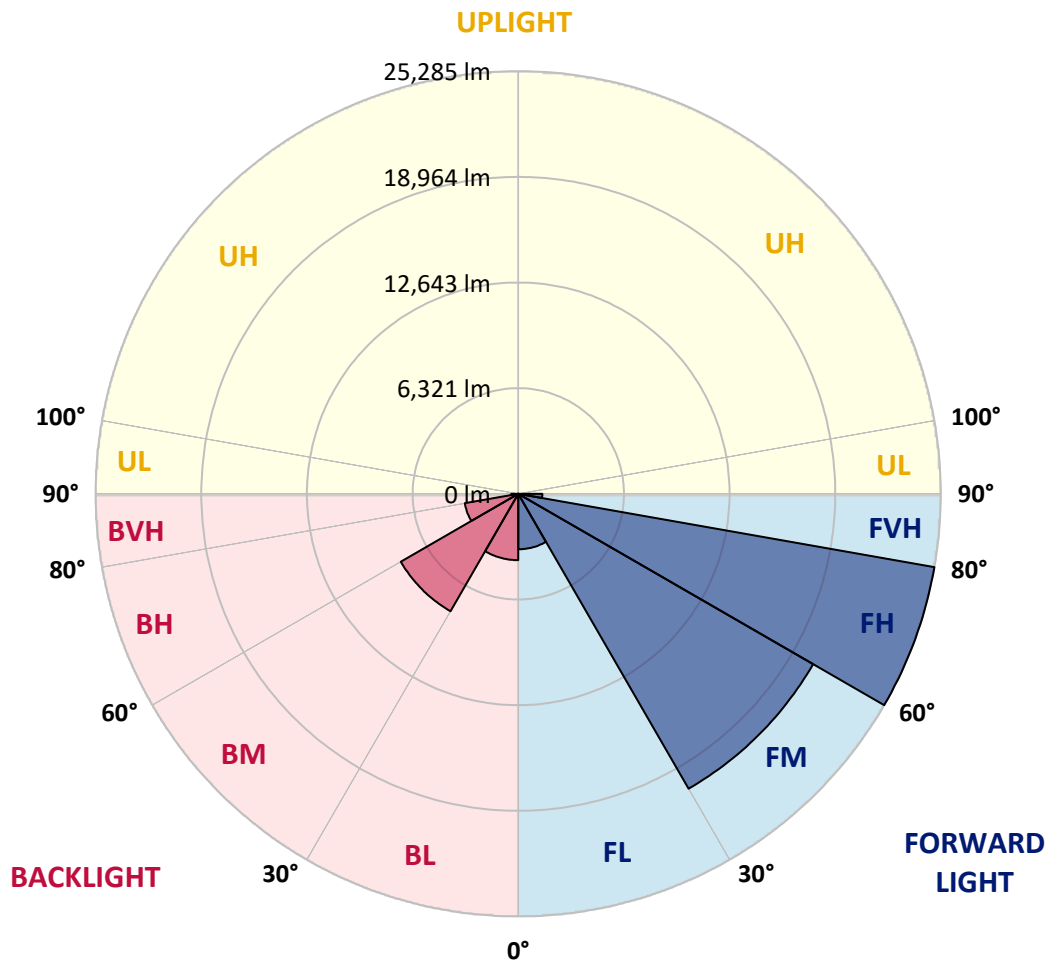


REPORT NUMBER: P853211
 CATALOG NUMBER: GLAN-SB9C-735-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3317.8	5.0			
FM (30°-60°)	20373.7	30.8			
FH (60°-80°)	25285.4	38.2			G5
FVH (80°-90°)	1438.7	2.2			G5
BL (0°-30°)	3967.8	6.0	B4/5000		
BM (30°-60°)	8112.5	12.3	B4/8500		
BH (60°-80°)	3246.0	4.9	B4/5000		G4/5000
BVH (80°-90°)	418.1	0.6			G3/500
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 Short



REPORT NUMBER: P853211
 CATALOG NUMBER: GLAN-SB9C-735-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3
2.5°	8129.6	8179.6	8201.1	8190.4	8244.0	8236.9	8312.0	8405.0	8533.7	8658.9
5°	7503.7	7557.3	7603.8	7646.7	7750.4	7782.6	7900.7	8079.5	8315.5	8555.2
7.5°	6920.7	6967.2	7038.7	7117.4	7292.6	7324.8	7521.5	7800.5	8129.6	8480.1
10°	6445.0	6491.5	6566.6	6656.0	6874.2	6913.5	7163.9	7535.9	7965.0	8408.5
12.5°	6241.1	6255.4	6298.4	6387.8	6577.3	6602.4	6877.8	7303.4	7804.1	8354.9
15°	6230.4	6259.0	6262.6	6309.1	6466.5	6477.2	6731.1	7153.2	7704.0	8344.2
17.5°	6337.7	6359.2	6327.0	6355.6	6487.9	6505.8	6706.1	7081.6	7671.8	8390.7
20°	6623.8	6641.7	6545.1	6505.8	6602.4	6616.7	6813.4	7128.1	7704.0	8487.2
22.5°	7231.8	7242.6	7006.5	6845.6	6852.7	6859.9	7031.6	7317.7	7829.1	8662.5
25°	8179.6	8172.5	7796.9	7485.8	7307.0	7267.6	7382.1	7625.3	8040.1	8895.0
27.5°	9288.4	9234.7	8859.2	8394.2	8004.4	7947.2	7922.1	8025.8	8340.6	9202.5
30°	10540.2	10490.1	10086.0	9477.9	8937.9	8844.9	8608.8	8555.2	8787.7	9621.0
32.5°	11913.6	11881.4	11398.6	10661.8	9939.3	9832.0	9435.0	9292.0	9474.4	10254.1
35°	13065.2	13036.6	12636.1	11877.8	10994.4	10862.1	10457.9	10297.0	10390.0	11065.9
37.5°	14106.0	14091.7	13748.4	13151.1	12239.1	12078.1	11623.9	11570.2	11552.4	12135.3
40°	15071.7	15035.9	14678.3	14363.5	13687.6	13540.9	13140.4	13093.9	12957.9	13451.5
42.5°	16141.1	16048.1	15529.5	15382.9	15200.5	15078.9	14839.2	14846.4	14545.9	14935.8
45°	17013.8	16960.1	16427.2	16341.4	16538.1	16488.0	16695.5	16749.1	16166.1	16491.6
47.5°	17950.9	17900.8	17450.1	17389.3	17922.2	17936.5	18669.7	18687.6	17747.0	18108.2
50°	19106.1	19034.6	18587.5	18662.6	19259.9	19313.5	20654.7	20533.1	19202.7	19749.9
52.5°	19867.9	19910.8	19814.2	19935.9	20751.3	20801.4	22607.6	22296.4	20644.0	21370.1
55°	20429.4	20515.3	20815.7	21094.7	22325.0	22375.1	24449.5	23973.8	21838.6	22872.2
57.5°	21151.9	21030.3	21591.8	22135.4	23820.0	23952.4	26241.4	25590.4	22897.3	24166.9
60°	22189.1	22103.3	22539.6	23344.3	25493.9	25704.9	28136.9	27046.1	23673.4	25193.4
62.5°	24292.1	24077.5	24145.5	24857.2	27604.0	27883.0	30275.7	28315.8	24059.6	25594.0
65°	27435.9	27067.6	26724.2	27217.8	30576.2	30851.6	32689.9	29313.6	23916.6	24817.9
67.5°	31395.2	31030.4	30608.4	31073.3	34953.9	35172.1	35669.2	29875.2	22790.0	21827.9
70°	34660.6	34524.7	35029.0	36942.5	41946.1	41953.3	39489.0	29410.2	19703.4	15475.9
72.5°	34227.9	34145.6	36803.0	42718.7	50758.8	50569.3	43104.9	25890.9	13272.7	6981.5
75°	28079.7	28612.6	32729.3	42614.9	53924.1	53899.0	40891.0	16459.4	5490.0	2893.5
77.5°	15057.4	15901.5	21248.5	31463.2	42096.3	42729.4	28748.5	5758.3	2357.0	1852.7
80°	4910.6	5647.4	8469.3	16019.5	27353.7	27235.7	12321.3	2260.4	1613.0	1312.6
82.5°	2085.1	2171.0	3784.0	7564.5	14038.1	13819.9	3923.5	1298.3	1133.8	897.7
85°	815.5	912.0	1670.3	3497.9	6080.2	5947.9	1416.3	643.8	726.0	586.6
87.5°	268.2	325.5	597.3	1198.2	1892.0	1824.1	346.9	221.7	314.7	268.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853211
 CATALOG NUMBER: GLAN-SB9C-735-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8816.3	0°	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3	8816.3
8841.3	2.5°	8891.4	8948.6	9016.6	9116.7	9202.5	9274.1	9349.2	9395.7	9413.6	9467.2
8855.6	5°	8955.8	9080.9	9249.0	9413.6	9574.5	9671.1	9756.9	9799.8	9839.2	9867.8
8895.0	7.5°	9063.1	9224.0	9488.7	9703.3	9839.2	9917.9	9975.1	9960.8	9975.1	9982.2
8937.9	10°	9156.0	9381.4	9696.1	9900.0	10003.7	10007.3	9993.0	9942.9	9917.9	9921.4
9002.2	12.5°	9266.9	9517.3	9857.1	10028.7	10057.3	9978.7	9917.9	9832.0	9799.8	9785.5
9098.8	15°	9417.1	9703.3	10032.3	10096.7	10025.2	9925.0	9821.3	9681.8	9610.3	9553.0
9263.3	17.5°	9599.5	9914.3	10168.2	10121.7	9967.9	9803.4	9635.3	9424.3	9277.6	9216.8
9488.7	20°	9853.5	10136.0	10271.9	10068.1	9835.6	9585.2	9299.1	9041.6	8905.7	8844.9
9774.8	22.5°	10161.1	10432.9	10372.1	9975.1	9646.0	9245.5	8887.8	8698.2	8630.3	8587.4
10143.2	25°	10529.4	10761.9	10443.6	9839.2	9334.9	8794.8	8519.4	8458.6	8426.4	8394.2
10593.8	27.5°	11008.7	11133.9	10497.3	9638.9	8848.5	8315.5	8215.4	8226.1	8215.4	8161.8
11219.7	30°	11641.8	11616.7	10547.3	9313.4	8290.5	7882.8	7889.9	7936.4	7943.6	7907.8
12092.4	32.5°	12475.1	12221.2	10572.4	8891.4	7757.6	7503.7	7510.8	7560.9	7596.7	7535.9
13233.3	35°	13483.7	12925.8	10533.0	8362.0	7346.3	7142.4	7088.8	7103.1	7113.8	7056.6
14617.5	37.5°	14660.4	13716.2	10357.8	7775.5	7006.5	6788.3	6673.9	6577.3	6520.1	6466.5
16184.0	40°	15951.5	14578.1	10035.9	7203.2	6627.4	6412.8	6241.1	6058.7	5865.6	5794.1
17843.6	42.5°	17303.5	15465.1	9646.0	6656.0	6191.1	6015.8	5833.4	5568.7	5279.0	5132.4
19567.5	45°	18705.5	16373.6	9263.3	6116.0	5744.0	5668.9	5457.9	5139.5	4824.8	4638.8
21295.0	47.5°	20078.9	17232.0	8701.8	5572.3	5325.5	5407.8	5243.3	4950.0	4599.5	4306.2
23008.1	50°	21391.5	18036.7	7782.6	5021.5	4985.8	5329.1	5171.7	4749.7	4349.1	3973.6
24689.1	52.5°	22693.4	18687.6	6605.9	4520.8	4803.3	5307.6	5078.7	4613.8	4123.8	3730.4
26270.0	55°	23798.6	19023.8	5472.2	4091.6	4538.7	5125.2	4967.9	4452.8	3805.5	3387.0
27353.7	57.5°	24428.0	18752.0	4527.9	3669.6	4173.9	4824.8	4778.3	4109.5	3426.4	3104.5
27564.7	60°	24156.2	17650.4	3755.4	3301.2	3826.9	4499.3	4449.3	3769.7	3136.7	2832.7
26434.5	62.5°	22657.6	15551.0	3143.8	2979.3	3512.2	4166.7	4120.2	3508.6	2914.9	2621.6
23433.7	65°	19639.0	12650.4	2668.1	2711.0	3193.9	3766.1	3834.1	3290.5	2739.7	2453.5
18129.7	67.5°	14978.7	9163.2	2296.2	2478.6	2882.7	3372.7	3569.4	3133.1	2593.0	2321.2
10490.1	70°	8537.3	5203.9	1981.4	2253.2	2607.3	3007.9	3365.6	3007.9	2435.7	2210.3
3930.7	72.5°	3236.8	2389.2	1713.2	2027.9	2342.7	2700.3	3140.2	2811.2	2253.2	2085.1
2031.5	75°	1727.5	1455.7	1441.4	1763.3	2038.7	2399.9	2857.7	2618.1	2117.3	2203.2
1405.6	77.5°	1176.7	1030.1	1205.3	1509.3	1706.0	2067.3	2557.3	2324.8	1834.8	1827.6
972.8	80°	815.5	729.6	980.0	1216.0	1319.8	1738.2	2231.8	1995.7	1495.0	1394.9
600.9	82.5°	490.0	475.7	733.2	908.5	933.5	1341.2	1849.1	1673.8	1223.2	1065.8
357.7	85°	268.2	282.5	468.5	532.9	543.6	937.1	1448.5	1294.7	940.6	790.4
128.8	87.5°	75.1	96.6	171.7	211.0	261.1	486.4	862.0	769.0	472.1	329.0
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°
8816.3
9463.6
9874.9
9993.0
9928.6
9778.4
9570.9
9220.4
8837.7
8594.5
8394.2
8172.5
7925.7
7564.5
7095.9
6502.2
5826.2
5150.3
4624.5
4274.0
3941.4
3687.5
3351.3
3061.6
2789.7
2575.1
2407.0
2278.3
2181.7
2056.5
2274.7
1684.6
1334.1
1073.0
797.6
329.0
0.0

F REPORT)