

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: P850886

Luminaire Tested: **GLAN-SB8C-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49682 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

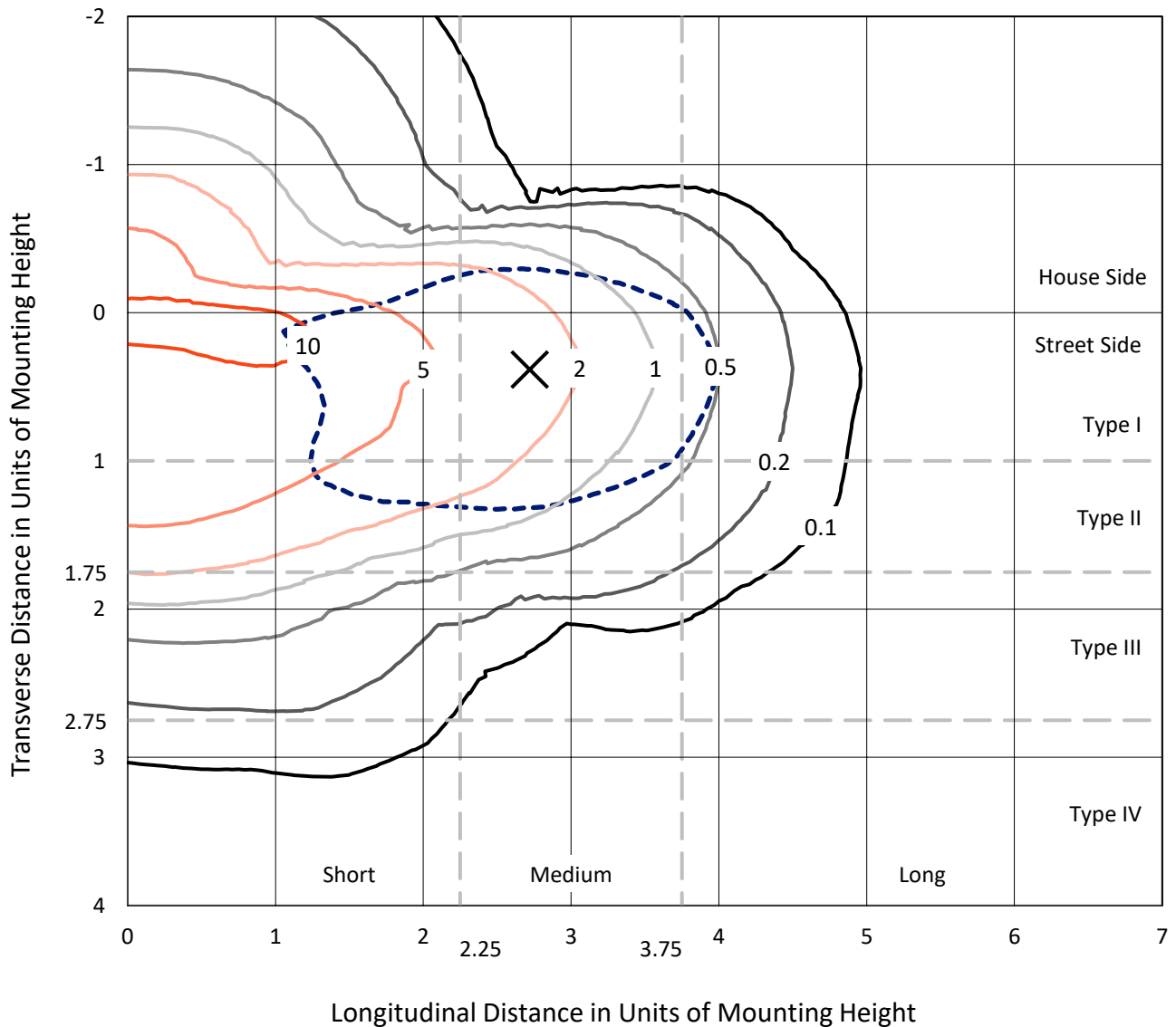
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850886
 CATALOG NUMBER: GLAN-SB8C-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

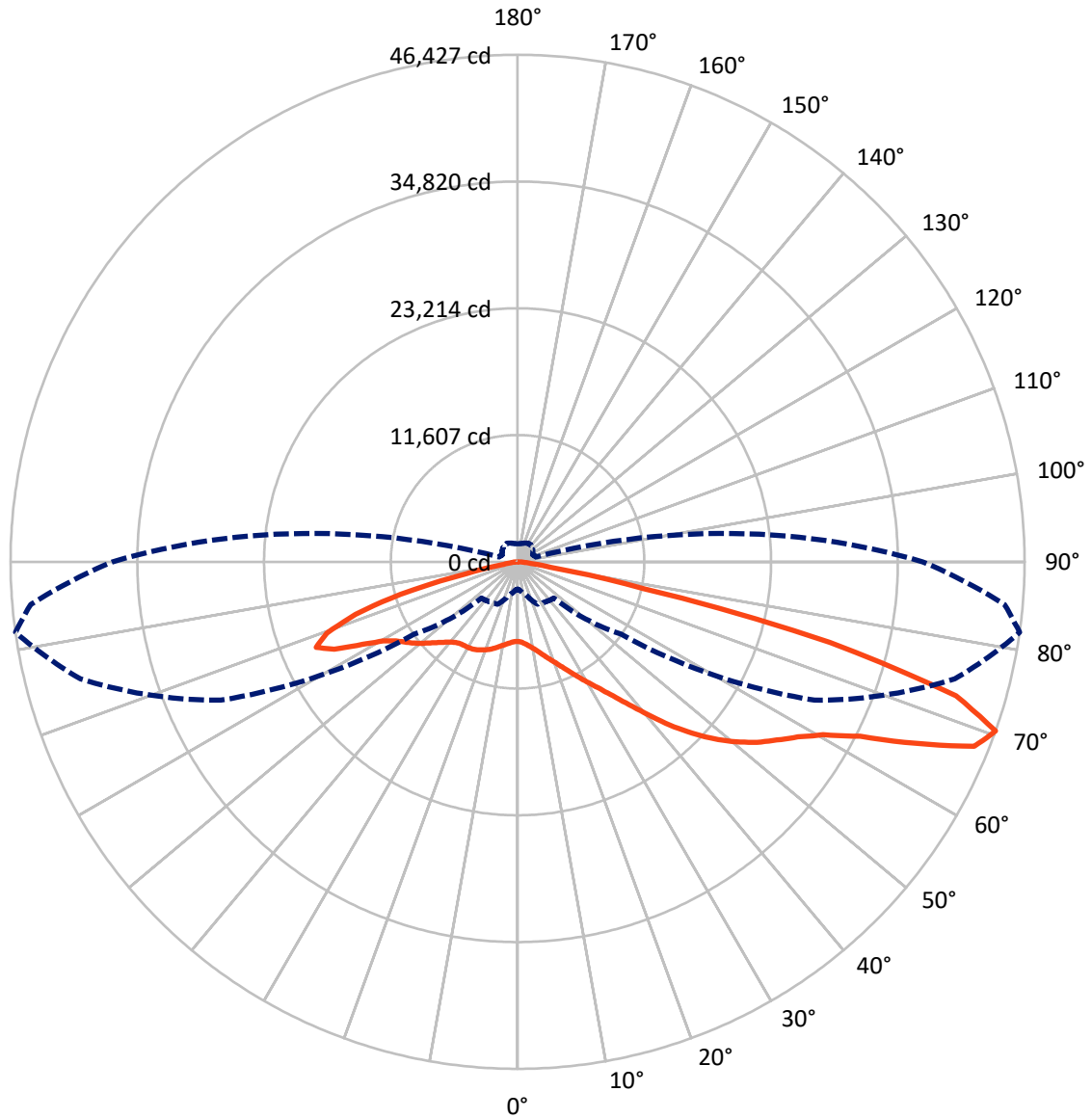
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P850886
CATALOG NUMBER: GLAN-SB8C-835-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P850886
 CATALOG NUMBER: GLAN-SB8C-835-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12247.8	0.0	12247.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	37434.2	0.0	37434.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	49682.0	0.0	49682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.7	1.4
10°-20°	1975.9	4.0
20°-30°	3305.5	6.7
30°-40°	5164.1	10.4
40°-50°	8224.4	16.6
50°-60°	11445.2	23.0
60°-70°	11972.2	24.1
70°-80°	6257.3	12.6
80°-90°	649.8	1.3
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°	49682.0	100.0
0°-180°	49682.0	100.0

Coefficient of Utilization

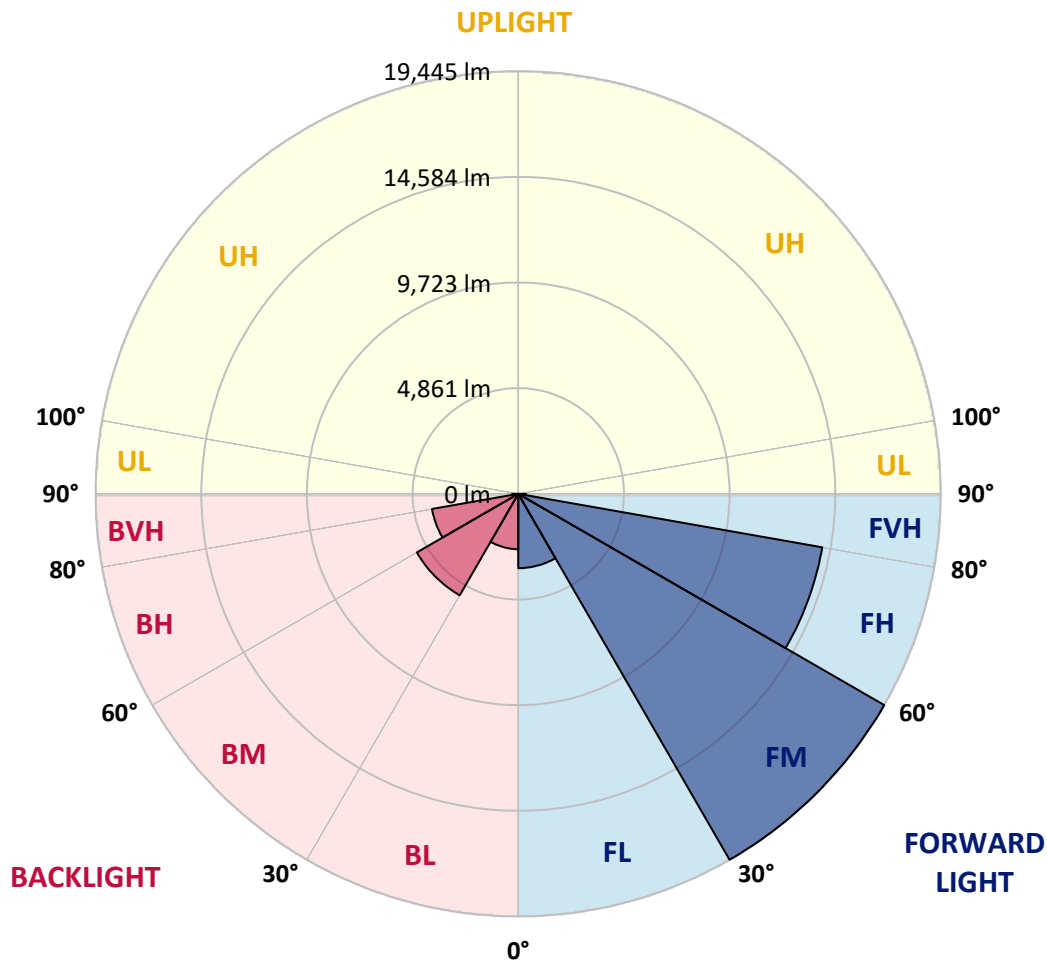


REPORT NUMBER: P850886
 CATALOG NUMBER: GLAN-SB8C-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3421.2	6.9			
FM (30°-60°)	19445.0	39.1			
FH (60°-80°)	14204.2	28.6			G5
FVH (80°-90°)	363.7	0.7			G3/500
BL (0°-30°)	2548.0	5.1	B4/5000		
BM (30°-60°)	5388.6	10.8	B4/8500		
BH (60°-80°)	4025.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	286.0	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 II Medium



REPORT NUMBER: P850886
 CATALOG NUMBER: GLAN-SB8C-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0
2.5°	7458.0	7500.2	7487.0	7473.8	7473.8	7455.4	7452.7	7426.4	7405.3	7371.0
5°	7552.9	7597.7	7592.4	7603.0	7637.3	7645.2	7653.1	7637.3	7595.1	7552.9
7.5°	7468.5	7518.6	7534.4	7597.7	7703.2	7798.1	7869.3	7898.3	7858.7	7798.1
10°	7183.8	7239.2	7294.5	7444.8	7632.0	7856.1	8045.9	8159.2	8151.3	8093.3
12.5°	6606.5	6664.5	6783.1	7075.7	7418.5	7813.9	8167.2	8404.4	8486.1	8444.0
15°	6145.1	6195.2	6284.9	6585.4	7030.9	7632.0	8212.0	8673.3	8881.6	8857.9
17.5°	6132.0	6153.0	6208.4	6350.8	6693.5	7347.3	8164.5	8936.9	9335.0	9332.4
20°	6363.9	6371.9	6403.5	6432.5	6627.6	7131.1	8043.2	9155.8	9843.8	9843.8
22.5°	6685.6	6680.3	6711.9	6685.6	6780.5	7112.6	7966.8	9348.2	10410.6	10452.8
25°	7168.0	7141.6	7133.7	7073.1	7091.6	7284.0	8051.2	9567.0	11082.9	11169.9
27.5°	7811.3	7769.1	7740.1	7600.4	7552.9	7637.3	8309.5	9830.6	11831.6	11981.8
30°	8649.6	8573.1	8531.0	8288.4	8117.1	8130.2	8699.7	10181.3	12614.5	12857.1
32.5°	9793.7	9675.1	9561.7	9163.7	8849.9	8747.1	9203.2	10666.3	13463.4	13850.9
35°	11075.0	10980.0	10858.8	10244.5	9762.1	9524.8	9883.4	11343.9	14457.3	15071.5
37.5°	12308.7	12227.0	12285.0	11457.2	10835.1	10489.7	10774.4	12253.4	15683.1	16590.0
40°	13584.7	13521.4	13529.3	12738.4	12013.5	11625.9	11855.3	13394.9	17088.3	18395.9
42.5°	14971.4	14923.9	14765.7	14064.5	13249.9	12888.7	13099.6	14713.0	18596.2	20452.2
45°	16524.1	16495.1	16347.5	15543.4	14610.2	14204.2	14488.9	16168.2	20112.1	22387.2
47.5°	17866.0	17889.7	17871.2	17193.7	16226.2	15630.4	15970.5	17686.7	21522.5	24206.2
50°	18511.9	18635.8	18817.7	18606.8	18005.7	17399.4	17465.3	19152.5	22867.0	25911.9
52.5°	18174.4	18409.0	18904.7	19242.1	19474.1	19347.6	19170.9	20607.7	24132.4	27451.4
55°	16916.9	17246.5	18069.0	18883.6	20067.3	20987.3	21219.3	22221.1	25366.1	28806.5
57.5°	14626.0	15161.2	15899.3	17547.0	19540.0	21780.8	23607.8	24459.3	26673.7	30253.8
60°	10698.0	11415.0	12332.5	14784.2	17694.6	21356.4	25640.3	27897.0	28532.3	32128.2
62.5°	6846.4	7289.3	8132.9	10442.2	13787.7	19181.5	26262.5	32194.1	31682.6	35202.1
65°	4687.3	4972.0	5744.4	7041.5	8913.2	14278.0	24596.4	35415.6	36686.3	40073.9
67.5°	3406.1	3622.2	4281.3	5417.5	5807.7	8449.2	19086.6	35268.0	41550.2	45093.3
70°	2483.4	2636.3	3189.9	4281.3	4468.5	4700.5	11562.7	29979.6	41444.7	46427.3
72.5°	1840.1	1945.6	2317.3	3321.7	3617.0	3174.1	5723.3	21788.7	35613.3	41993.1
75°	1331.3	1410.4	1684.6	2541.4	2894.6	2417.5	2855.1	12733.2	24841.5	29539.4
77.5°	1017.6	1078.2	1257.5	1861.2	2317.3	1813.8	1771.6	5857.8	11778.8	11836.8
80°	817.2	856.8	954.3	1310.2	1776.8	1357.7	1154.7	2364.7	3722.4	3150.3
82.5°	601.1	667.0	806.7	920.1	1270.7	935.9	703.9	1194.2	1415.7	1218.0
85°	342.7	387.5	487.7	659.1	812.0	572.1	403.3	529.9	659.1	540.4
87.5°	121.3	158.2	171.4	258.4	353.3	237.3	155.5	152.9	216.2	160.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850886
 CATALOG NUMBER: GLAN-SB8C-835-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7284.0	0°	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0	7284.0
7363.1	2.5°	7336.7	7323.5	7270.8	7199.6	7125.8	7054.6	7030.9	6980.8	6946.6	6928.1
7534.4	5°	7484.4	7442.2	7318.3	7160.1	6994.0	6814.7	6688.2	6572.2	6487.9	6408.8
7769.1	7.5°	7695.3	7621.4	7407.9	7131.1	6835.8	6537.9	6316.5	6147.8	6034.4	5960.6
8043.2	10°	7940.4	7827.1	7500.2	7086.3	6630.2	6203.1	5942.1	5797.1	5726.0	5686.4
8357.0	12.5°	8222.5	8061.7	7595.1	6983.5	6316.5	5828.8	5649.5	5607.3	5610.0	5612.6
8752.4	15°	8570.5	8346.4	7671.5	6759.4	5907.9	5541.4	5509.8	5578.3	5649.5	5683.8
9200.6	17.5°	8963.3	8647.0	7684.7	6390.3	5507.2	5356.9	5457.1	5604.7	5712.8	5760.2
9701.5	20°	9385.1	8952.8	7589.8	5868.3	5177.6	5206.6	5385.9	5575.7	5694.3	5755.0
10273.5	22.5°	9867.5	9279.7	7363.1	5320.0	4908.7	5043.2	5254.1	5438.6	5562.5	5623.2
10945.8	25°	10418.5	9646.1	7007.2	4858.6	4676.7	4858.6	5069.5	5222.4	5322.6	5378.0
11697.1	27.5°	11030.1	10028.4	6532.7	4492.2	4473.7	4668.8	4842.8	4961.5	5014.2	5056.4
12495.9	30°	11644.4	10376.3	5958.0	4215.4	4297.1	4481.7	4605.6	4658.3	4674.1	4682.0
13387.0	32.5°	12308.7	10676.9	5354.3	3986.0	4128.4	4299.7	4373.6	4397.3	4323.5	4273.4
14467.8	35°	13112.8	10998.5	4763.7	3804.1	3962.3	4109.9	4133.7	4112.6	4025.6	3922.8
15822.9	37.5°	14106.7	11399.2	4291.8	3675.0	3806.8	3904.3	3875.3	3870.0	3877.9	3756.7
17452.1	40°	15324.6	11921.2	3946.5	3574.8	3680.2	3701.3	3619.6	3664.4	3704.0	3519.4
19239.5	42.5°	16677.0	12551.3	3727.7	3506.2	3574.8	3524.7	3398.1	3448.2	3443.0	3200.4
21034.8	45°	18055.8	13236.7	3651.2	3456.1	3477.2	3377.1	3237.3	3250.5	3139.8	2921.0
22756.2	47.5°	19426.6	13972.2	3698.7	3414.0	3356.0	3242.6	3134.5	3076.5	2913.1	2749.6
24406.5	50°	20771.1	14744.6	3872.7	3329.6	3189.9	3124.0	3044.9	2942.1	2768.1	2628.4
25967.2	52.5°	22018.1	15522.3	4067.8	3189.9	2981.6	3021.2	2971.1	2852.4	2681.1	2538.7
27443.5	55°	23199.1	16300.0	4144.2	2997.4	2786.5	2931.5	2902.5	2683.7	2478.1	2362.1
28988.4	57.5°	24485.6	17235.9	4059.8	2752.3	2628.4	2828.7	2718.0	2475.5	2356.8	2269.8
30999.8	60°	26267.8	18704.3	3877.9	2449.1	2478.1	2675.8	2486.0	2385.8	2256.6	2159.1
34015.7	62.5°	29228.3	21443.4	3585.3	2148.6	2301.5	2449.1	2375.3	2275.1	2143.3	2048.4
39172.3	65°	33604.5	25250.2	3034.3	1913.9	2103.7	2227.6	2256.6	2156.5	2019.4	1919.2
43690.8	67.5°	37295.3	27638.6	2296.2	1718.8	1900.7	2048.4	2130.1	2032.6	1887.6	1790.0
44748.0	70°	37092.3	25903.9	1753.1	1526.4	1721.5	1871.7	1977.2	1900.7	1745.2	1652.9
40645.9	72.5°	32945.4	21670.1	1418.3	1331.3	1539.6	1687.2	1813.8	1755.8	1597.6	1507.9
29776.6	75°	24203.6	15382.6	1133.6	1133.6	1312.9	1494.8	1634.5	1597.6	1452.6	1389.3
12501.2	77.5°	10202.3	6453.6	888.4	941.1	1091.4	1283.9	1457.9	1471.0	1344.5	1423.6
3305.9	80°	2712.7	1779.5	677.5	740.8	856.8	1059.8	1268.0	1262.8	1125.7	1051.9
1228.5	82.5°	1033.4	701.2	482.4	522.0	619.5	812.0	1004.4	1036.1	899.0	777.7
482.4	85°	398.1	300.5	297.9	313.7	361.2	537.8	759.2	785.6	677.5	574.7
134.4	87.5°	102.8	89.6	110.7	105.5	166.1	287.4	435.0	450.8	413.9	239.9
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°
7284.0
6949.2
6440.4
5976.4
5697.0
5617.9
5681.2
5770.8
5770.8
5639.0
5393.8
5072.2
4700.5
4289.2
3928.0
3764.6
3524.7
3197.8
2928.9
2749.6
2617.8
2541.4
2351.5
2261.9
2153.8
2048.4
1924.5
1792.7
1660.8
1507.9
1370.9
1291.8
978.1
777.7
593.2
342.7
0.0

F REPORT)