

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: P851506

Luminaire Tested: **GLAN-SB9C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851506
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-SB9C-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66325 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

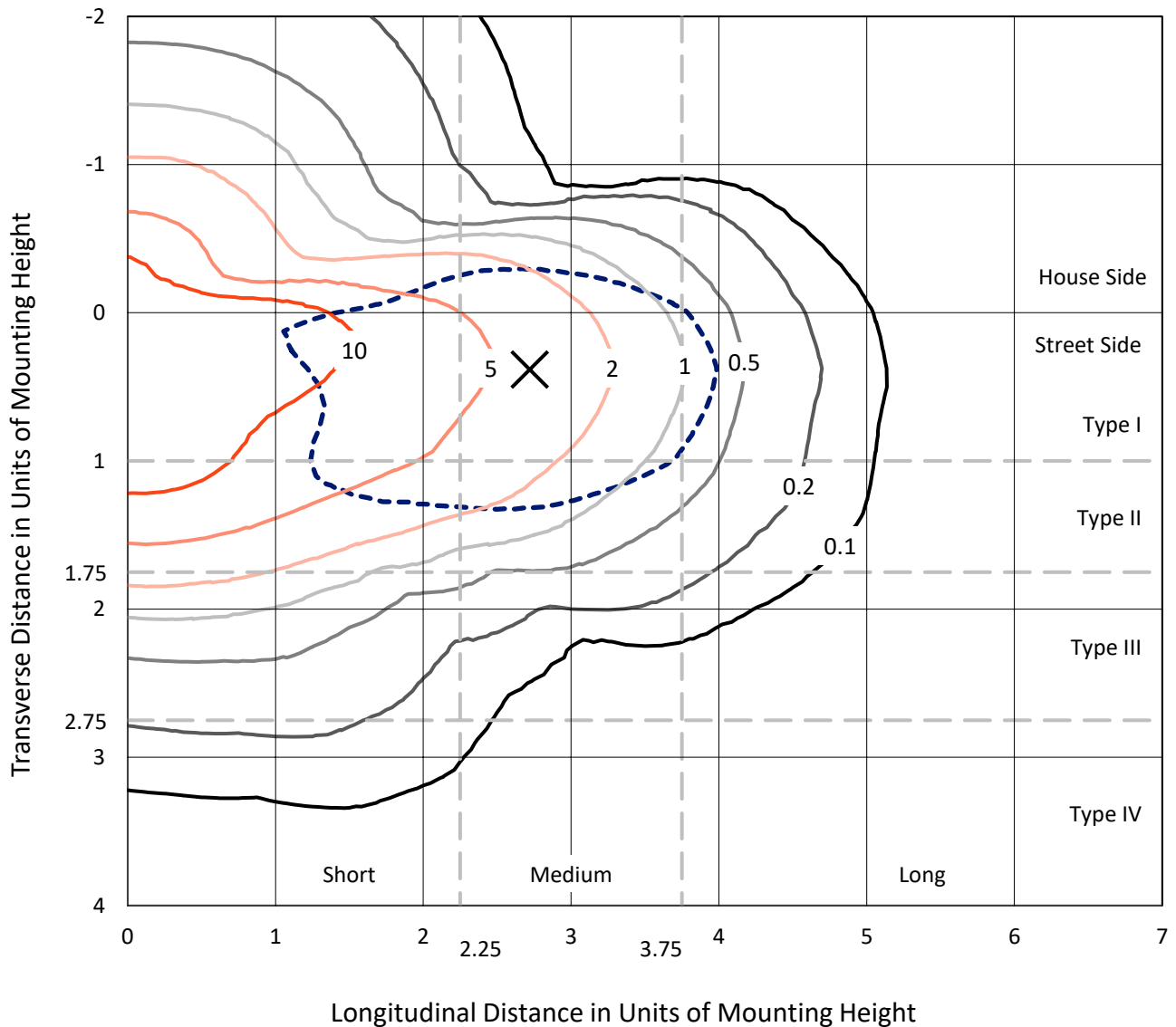
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851506
 CATALOG NUMBER: GLAN-SB9C-735-U-T2

Iso-Footcandle Lines of Horizontal Illumination

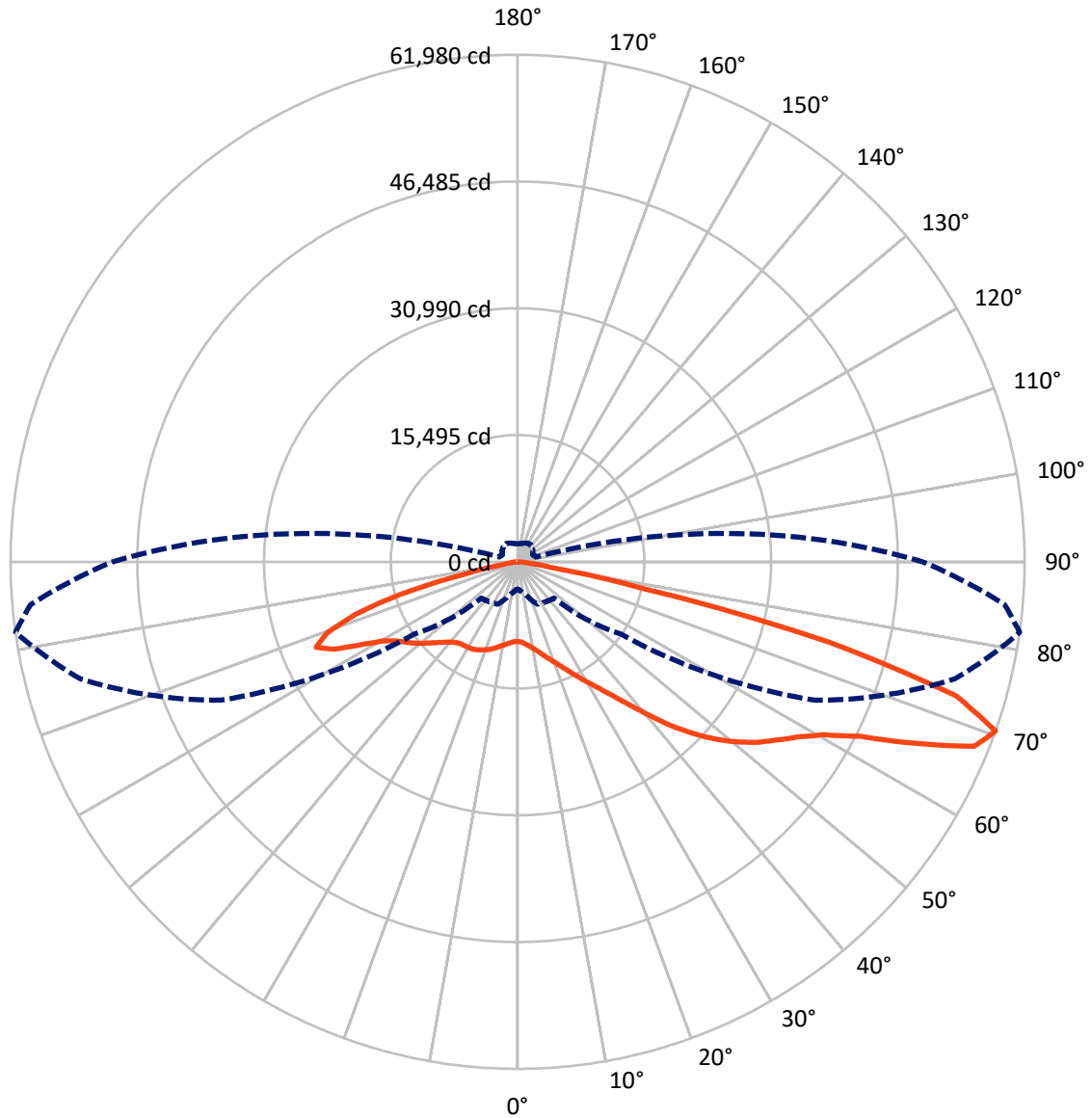
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P851506
CATALOG NUMBER: GLAN-SB9C-735-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851506
 CATALOG NUMBER: GLAN-SB9C-735-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16350.7	0.0	16350.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	49974.3	0.0	49974.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	66325.0	0.0	66325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	918.1	1.4
10°-20°	2637.8	4.0
20°-30°	4412.8	6.7
30°-40°	6894.0	10.4
40°-50°	10979.4	16.6
50°-60°	15279.2	23.0
60°-70°	15982.8	24.1
70°-80°	8353.4	12.6
80°-90°	867.4	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°	66325.0	100.0
0°-180°	66325.0	100.0

Coefficient of Utilization

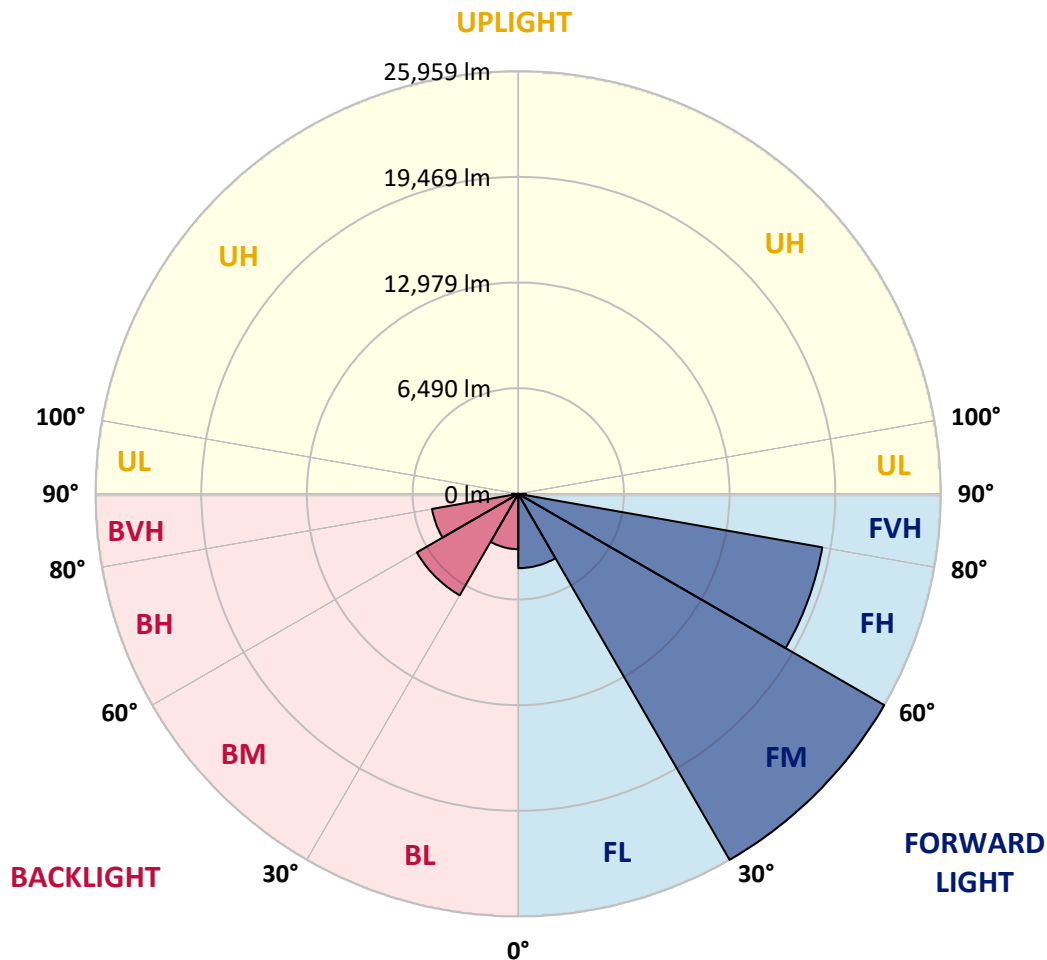


REPORT NUMBER: P851506
 CATALOG NUMBER: GLAN-SB9C-735-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4567.2	6.9			
FM (30°-60°)	25958.9	39.1			
FH (60°-80°)	18962.5	28.6			G5
FVH (80°-90°)	485.6	0.7			G3/500
BL (0°-30°)	3401.6	5.1	B4/5000		
BM (30°-60°)	7193.7	10.8	B4/8500		
BH (60°-80°)	5373.7	8.1	B5		G5
BVH (80°-90°)	381.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



REPORT NUMBER: P851506
 CATALOG NUMBER: GLAN-SB9C-735-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1
2.5°	9956.4	10012.7	9995.1	9977.5	9977.5	9952.8	9949.3	9914.1	9886.0	9840.2
5°	10083.1	10142.9	10135.8	10149.9	10195.7	10206.2	10216.8	10195.7	10139.4	10083.1
7.5°	9970.4	10037.3	10058.4	10142.9	10283.7	10410.4	10505.4	10544.1	10491.3	10410.4
10°	9590.3	9664.2	9738.2	9938.8	10188.6	10487.8	10741.2	10892.5	10882.0	10804.5
12.5°	8819.6	8897.0	9055.4	9446.0	9903.6	10431.5	10903.1	11219.8	11328.9	11272.6
15°	8203.7	8270.6	8390.2	8791.4	9386.2	10188.6	10962.9	11578.8	11856.8	11825.2
17.5°	8186.1	8214.3	8288.2	8478.2	8935.7	9808.5	10899.6	11930.7	12462.2	12458.6
20°	8495.8	8506.4	8548.6	8587.3	8847.7	9519.9	10737.7	12222.8	13141.4	13141.4
22.5°	8925.2	8918.1	8960.4	8925.2	9051.9	9495.3	10635.6	12479.8	13898.1	13954.4
25°	9569.2	9534.0	9523.5	9442.5	9467.2	9724.1	10748.2	12771.9	14795.5	14911.7
27.5°	10428.0	10371.6	10332.9	10146.4	10083.1	10195.7	11093.1	13123.8	15795.0	15995.6
30°	11547.1	11445.1	11388.7	11065.0	10836.2	10853.8	11614.0	13591.9	16840.3	17164.1
32.5°	13074.5	12916.2	12764.8	12233.4	11814.6	11677.3	12286.2	14239.5	17973.5	18490.9
35°	14785.0	14658.3	14496.4	13676.3	13032.3	12715.6	13194.2	15143.9	19300.3	20120.4
37.5°	16432.0	16322.9	16400.4	15295.3	14464.7	14003.7	14383.7	16358.1	20936.9	22147.5
40°	18135.4	18051.0	18061.5	17005.7	16037.9	15520.5	15826.7	17882.0	22812.7	24558.3
42.5°	19986.6	19923.3	19712.1	18775.9	17688.5	17206.3	17487.8	19641.7	24825.8	27303.4
45°	22059.5	22020.8	21823.7	20750.3	19504.5	18962.5	19342.6	21584.4	26849.4	29886.7
47.5°	23850.9	23882.6	23857.9	22953.5	21661.8	20866.5	21320.5	23611.6	28732.3	32315.0
50°	24713.2	24878.6	25121.4	24839.9	24037.4	23228.0	23316.0	25568.4	30527.2	34592.1
52.5°	24262.7	24575.9	25237.5	25688.0	25997.7	25828.8	25593.0	27511.1	32216.5	36647.4
55°	22583.9	23023.8	24121.9	25209.4	26789.6	28017.9	28327.6	29664.9	33863.6	38456.4
57.5°	19525.6	20240.0	21225.4	23425.1	26085.7	29077.2	31516.1	32652.9	35609.2	40388.5
60°	14281.7	15239.0	16463.7	19736.7	23622.1	28510.6	34229.6	37242.2	38090.4	42890.8
62.5°	9139.9	9731.1	10857.3	13940.3	18406.4	25607.1	35060.2	42978.8	42296.0	46994.4
65°	6257.5	6637.6	7668.8	9400.3	11899.1	19061.0	32835.9	47279.5	48975.8	53498.2
67.5°	4547.1	4835.6	5715.5	7232.3	7753.2	11279.6	25480.4	47082.4	55469.1	60199.2
70°	3315.3	3519.4	4258.5	5715.5	5965.4	6275.1	15436.0	40022.5	55328.3	61980.0
72.5°	2456.5	2597.3	3093.5	4434.4	4828.6	4237.3	7640.6	29087.8	47543.4	56060.4
75°	1777.3	1882.9	2248.9	3392.7	3864.3	3227.3	3811.5	16998.7	33163.2	39434.8
77.5°	1358.5	1439.4	1678.7	2484.7	3093.5	2421.3	2365.0	7820.1	15724.6	15802.1
80°	1091.0	1143.8	1274.0	1749.1	2372.1	1812.5	1541.5	3156.9	4969.4	4205.7
82.5°	802.4	890.4	1076.9	1228.3	1696.3	1249.4	939.7	1594.3	1889.9	1626.0
85°	457.5	517.4	651.1	879.8	1084.0	763.7	538.5	707.4	879.8	721.5
87.5°	161.9	211.2	228.8	344.9	471.6	316.7	207.6	204.1	288.6	214.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851506
 CATALOG NUMBER: GLAN-SB9C-735-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
9724.1	0°	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1	9724.1
9829.7	2.5°	9794.5	9776.9	9706.5	9611.5	9512.9	9417.9	9386.2	9319.3	9273.6	9249.0
10058.4	5°	9991.5	9935.2	9769.8	9558.7	9336.9	9097.6	8928.7	8773.8	8661.2	8555.6
10371.6	7.5°	10273.1	10174.6	9889.5	9519.9	9125.8	8728.1	8432.5	8207.2	8055.9	7957.3
10737.7	10°	10600.4	10449.1	10012.7	9460.1	8851.3	8281.1	7932.7	7739.1	7644.1	7591.3
11156.5	12.5°	10977.0	10762.3	10139.4	9322.9	8432.5	7781.4	7542.1	7485.7	7489.3	7492.8
11684.4	15°	11441.5	11142.4	10241.4	9023.7	7887.0	7397.8	7355.5	7447.0	7542.1	7587.8
12282.7	17.5°	11965.9	11543.6	10259.0	8531.0	7352.0	7151.4	7285.1	7482.2	7626.5	7689.9
12951.4	20°	12529.0	11951.8	10132.3	7834.2	6912.1	6950.8	7190.1	7443.5	7601.9	7682.8
13715.1	22.5°	13173.1	12388.3	9829.7	7102.1	6553.1	6732.6	7014.1	7260.5	7425.9	7506.9
14612.5	25°	13908.6	12877.4	9354.5	6486.2	6243.4	6486.2	6767.8	6971.9	7105.6	7179.6
15615.5	27.5°	14725.1	13387.8	8721.0	5997.0	5972.4	6232.8	6465.1	6623.5	6693.9	6750.2
16681.9	30°	15545.1	13852.3	7953.8	5627.5	5736.6	5983.0	6148.4	6218.8	6239.9	6250.4
17871.5	32.5°	16432.0	14253.5	7147.9	5321.3	5511.4	5740.1	5838.7	5870.3	5771.8	5704.9
19314.4	35°	17505.4	14682.9	6359.5	5078.5	5289.6	5486.7	5518.4	5490.2	5374.1	5236.9
21123.4	37.5°	18832.3	15217.8	5729.6	4906.0	5082.0	5212.2	5173.5	5166.5	5177.0	5015.1
23298.4	40°	20458.2	15914.7	5268.5	4772.3	4913.1	4941.2	4832.1	4892.0	4944.7	4698.4
25684.5	42.5°	22263.7	16755.8	4976.4	4680.8	4772.3	4705.4	4536.5	4603.4	4596.3	4272.5
28081.2	45°	24104.3	17670.9	4874.4	4613.9	4642.1	4508.3	4321.8	4339.4	4191.6	3899.5
30379.4	47.5°	25934.4	18652.8	4937.7	4557.6	4480.2	4328.8	4184.6	4107.1	3888.9	3670.7
32582.5	50°	27729.3	19683.9	5170.0	4445.0	4258.5	4170.5	4064.9	3927.6	3695.4	3508.8
34666.0	52.5°	29393.9	20722.2	5430.4	4258.5	3980.4	4033.2	3966.4	3808.0	3579.2	3389.2
36636.8	55°	30970.6	21760.4	5532.5	4001.5	3720.0	3913.6	3874.8	3582.7	3308.2	3153.4
38699.2	57.5°	32688.1	23009.8	5419.9	3674.2	3508.8	3776.3	3628.5	3304.7	3146.3	3030.2
41384.5	60°	35067.2	24970.1	5177.0	3269.5	3308.2	3572.2	3318.8	3185.0	3012.6	2882.4
45410.7	62.5°	39019.5	28626.7	4786.4	2868.3	3072.4	3269.5	3171.0	3037.2	2861.3	2734.6
52294.6	65°	44861.7	33708.7	4050.8	2555.1	2808.5	2973.9	3012.6	2878.9	2695.9	2562.1
58326.8	67.5°	49788.8	36897.3	3065.4	2294.6	2537.5	2734.6	2843.7	2713.4	2519.9	2389.7
59738.1	70°	49517.8	34581.5	2340.4	2037.7	2298.2	2498.8	2639.5	2537.5	2329.8	2206.7
54262.0	72.5°	43981.8	28929.4	1893.4	1777.3	2055.3	2252.4	2421.3	2343.9	2132.8	2013.1
39751.5	75°	32311.5	20535.6	1513.3	1513.3	1752.7	1995.5	2182.0	2132.8	1939.2	1854.7
16688.9	77.5°	13620.0	8615.5	1186.0	1256.4	1457.0	1713.9	1946.2	1963.8	1794.9	1900.5
4413.3	80°	3621.5	2375.6	904.5	988.9	1143.8	1414.8	1692.8	1685.8	1502.8	1404.2
1640.0	82.5°	1379.6	936.2	644.0	696.8	827.1	1084.0	1340.9	1383.1	1200.1	1038.2
644.0	85°	531.4	401.2	397.7	418.8	482.2	718.0	1013.6	1048.8	904.5	767.2
179.5	87.5°	137.3	119.7	147.8	140.8	221.7	383.6	580.7	601.8	552.5	320.3
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°
9724.1
9277.1
8597.9
7978.5
7605.4
7499.8
7584.3
7703.9
7703.9
7528.0
7200.7
6771.3
6275.1
5726.0
5243.9
5025.7
4705.4
4269.0
3910.0
3670.7
3494.8
3392.7
3139.3
3019.6
2875.3
2734.6
2569.2
2393.2
2217.2
2013.1
1830.1
1724.5
1305.7
1038.2
791.9
457.5
0.0

F REPORT)