

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: P850146

Luminaire Tested: **GLAN-SB7C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850146
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-SB7C-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 51786 lumens
Efficiency: N/A
Efficacy: 147.7 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

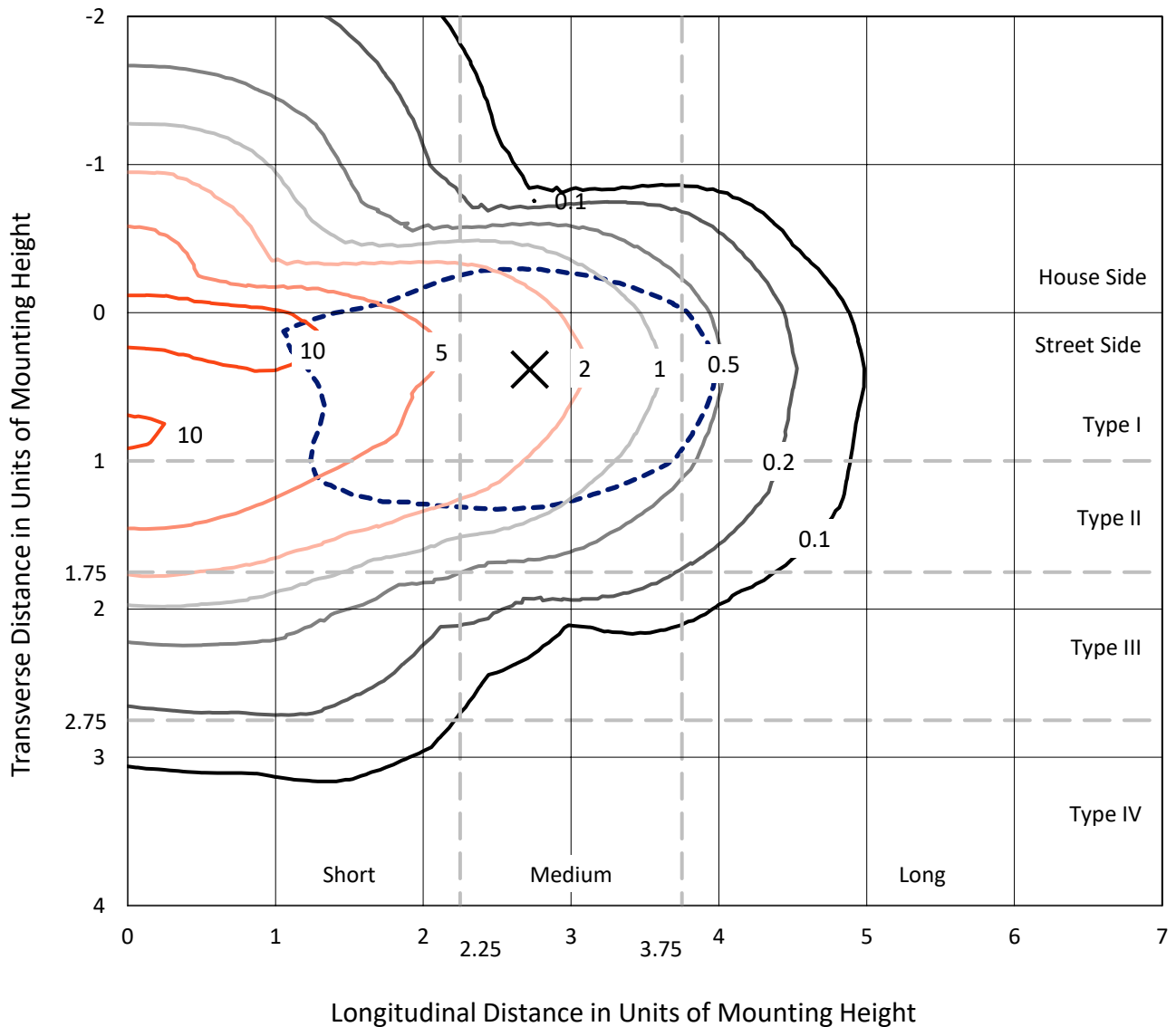
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850146
 CATALOG NUMBER: GLAN-SB7C-735-U-T2

Iso-Footcandle Lines of Horizontal Illumination

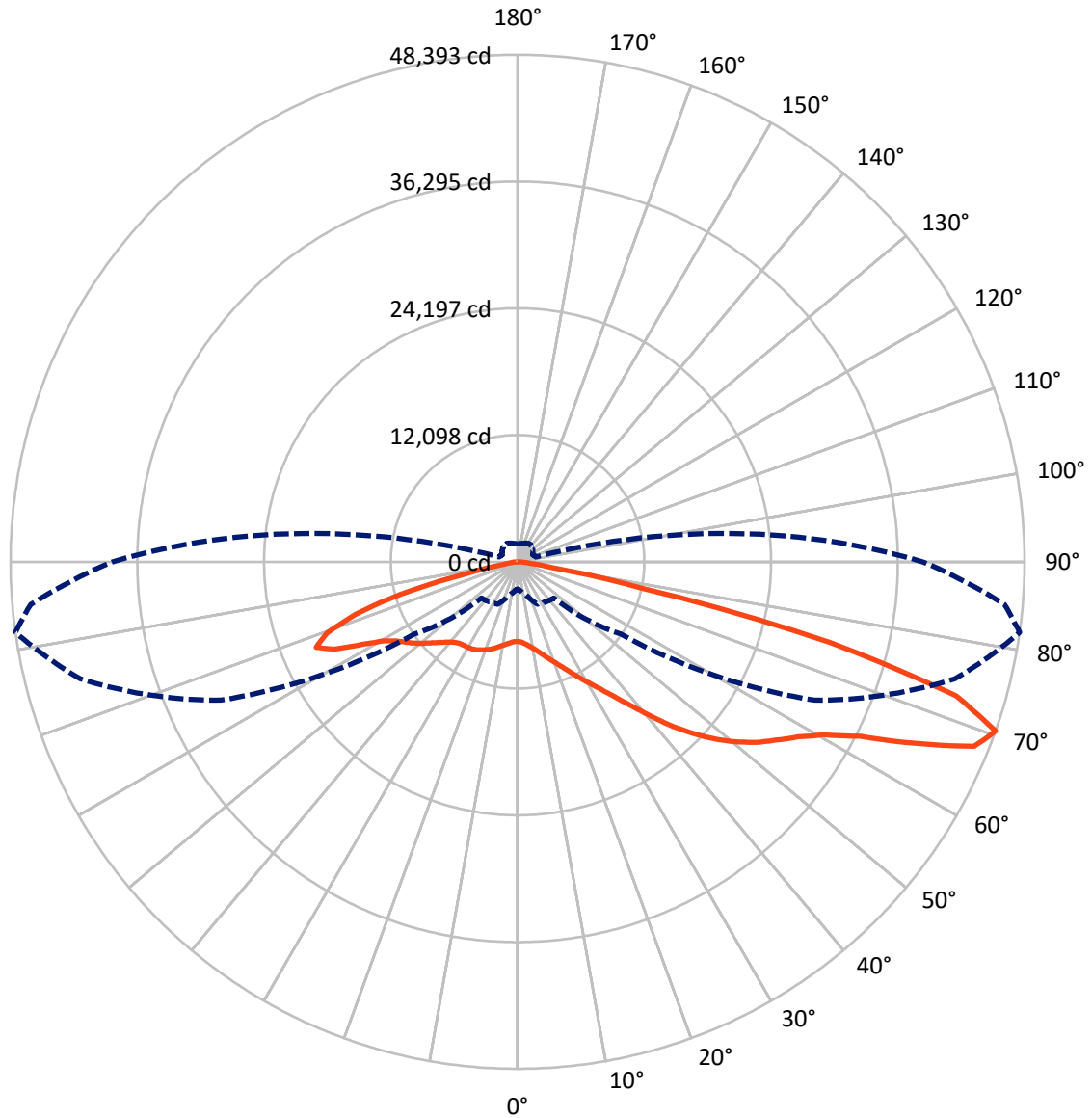
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P850146
CATALOG NUMBER: GLAN-SB7C-735-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850146
 CATALOG NUMBER: GLAN-SB7C-735-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12766.5	0.0	12766.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	39019.5	0.0	39019.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	51786.0	0.0	51786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.9	1.4
10°-20°	2059.6	4.0
20°-30°	3445.5	6.7
30°-40°	5382.7	10.4
40°-50°	8572.7	16.6
50°-60°	11929.9	23.0
60°-70°	12479.2	24.1
70°-80°	6522.3	12.6
80°-90°	677.3	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°	51786.0	100.0
0°-180°	51786.0	100.0

Coefficient of Utilization

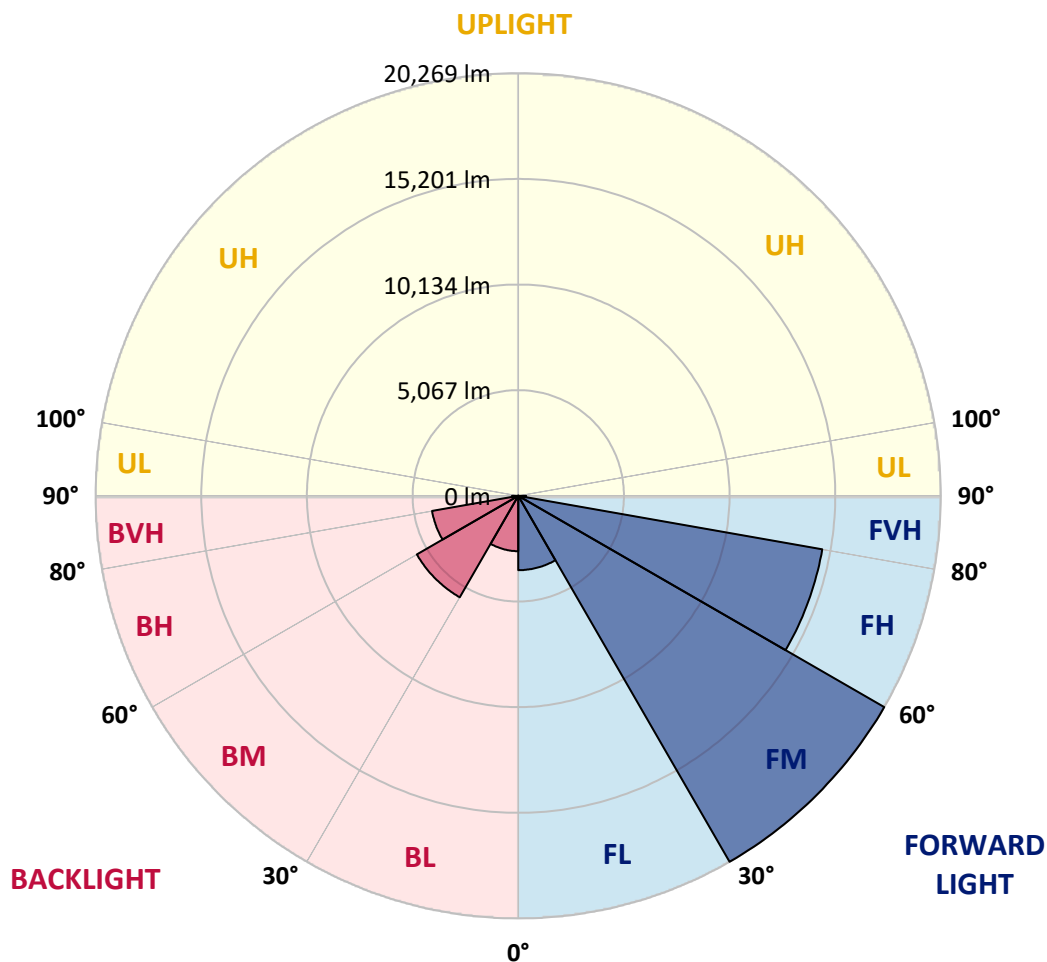


REPORT NUMBER: P850146
 CATALOG NUMBER: GLAN-SB7C-735-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3566.0	6.9			
FM (30°-60°)	20268.5	39.1			
FH (60°-80°)	14805.8	28.6			G5
FVH (80°-90°)	379.1	0.7			G3/500
BL (0°-30°)	2655.9	5.1	B4/5000		
BM (30°-60°)	5616.8	10.8	B4/8500		
BH (60°-80°)	4195.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	298.1	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 II Medium



REPORT NUMBER: P850146
 CATALOG NUMBER: GLAN-SB7C-735-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5
2.5°	7773.8	7817.8	7804.1	7790.3	7790.3	7771.1	7768.3	7740.9	7718.9	7683.2
5°	7872.8	7919.5	7914.0	7925.0	7960.7	7968.9	7977.2	7960.7	7916.7	7872.8
7.5°	7784.8	7837.0	7853.5	7919.5	8029.4	8128.3	8202.5	8232.7	8191.5	8128.3
10°	7488.1	7545.8	7603.5	7760.1	7955.2	8188.8	8386.6	8504.8	8496.5	8436.1
12.5°	6886.3	6946.7	7070.4	7375.4	7732.6	8144.8	8513.0	8760.3	8845.5	8801.6
15°	6405.4	6457.6	6551.0	6864.3	7328.7	7955.2	8559.7	9040.6	9257.7	9233.0
17.5°	6391.6	6413.6	6471.3	6619.7	6976.9	7658.4	8510.3	9315.4	9730.3	9727.6
20°	6633.5	6641.7	6674.7	6704.9	6908.2	7433.1	8383.9	9543.5	10260.7	10260.7
22.5°	6968.7	6963.2	6996.2	6968.7	7067.6	7413.9	8304.2	9744.1	10851.5	10895.5
25°	7471.6	7444.1	7435.8	7372.6	7391.9	7592.5	8392.1	9972.2	11552.2	11642.9
27.5°	8142.1	8098.1	8067.9	7922.2	7872.8	7960.7	8661.4	10247.0	12332.6	12489.3
30°	9015.9	8936.2	8892.2	8639.4	8460.8	8474.6	9068.1	10612.4	13148.7	13401.6
32.5°	10208.5	10084.8	9966.7	9551.7	9224.7	9117.6	9593.0	11118.0	14033.6	14437.5
35°	11544.0	11445.0	11318.6	10678.4	10175.5	9928.2	10301.9	11824.3	15069.5	15709.8
37.5°	12830.0	12744.8	12805.3	11942.4	11293.9	10933.9	11230.7	12772.3	16347.3	17292.6
40°	14160.0	14094.0	14102.3	13277.9	12522.2	12118.3	12357.4	13962.1	17812.0	19174.9
42.5°	15605.4	15555.9	15391.0	14660.1	13811.0	13434.5	13654.4	15336.1	19383.8	21318.3
45°	17223.9	17193.7	17039.8	16201.7	15228.9	14805.7	15102.5	16852.9	20963.8	23335.3
47.5°	18622.6	18647.3	18628.1	17921.9	16913.4	16292.4	16646.8	18435.7	22433.9	25231.3
50°	19295.8	19425.0	19614.6	19394.7	18768.2	18136.2	18204.9	19963.6	23835.4	27009.2
52.5°	18944.1	19188.7	19705.3	20057.0	20298.8	20166.9	19982.8	21480.4	25154.4	28614.0
55°	17633.3	17976.8	18834.2	19683.3	20917.1	21876.1	22117.9	23162.1	26440.4	30026.4
57.5°	15245.4	15803.2	16572.6	18290.1	20367.5	22703.2	24607.5	25495.1	27803.4	31535.0
60°	11151.0	11898.5	12854.7	15410.3	18444.0	22260.8	26726.2	29078.4	29740.6	33488.8
62.5°	7136.3	7598.0	8477.3	10884.5	14371.6	19993.8	27374.7	33557.5	33024.4	36692.8
65°	4885.8	5182.6	5987.7	7339.7	9290.7	14882.7	25638.0	36915.4	38239.9	41771.0
67.5°	3550.3	3775.6	4462.6	5647.0	6053.6	8807.1	19894.9	36761.5	43309.8	47003.0
70°	2588.5	2747.9	3325.0	4462.6	4657.7	4899.5	12052.3	31249.2	43199.9	48393.4
72.5°	1918.0	2028.0	2415.4	3462.4	3770.1	3308.5	5965.7	22711.5	37121.5	43771.5
75°	1387.7	1470.1	1755.9	2649.0	3017.2	2519.8	2976.0	13272.4	25893.6	30790.3
77.5°	1060.7	1123.9	1310.8	1940.0	2415.4	1890.6	1846.6	6105.9	12277.7	12338.1
80°	851.9	893.1	994.7	1365.7	1852.1	1415.2	1203.6	2464.9	3880.0	3283.8
82.5°	626.5	695.2	840.9	959.0	1324.5	975.5	733.7	1244.8	1475.6	1269.5
85°	357.2	403.9	508.4	687.0	846.4	596.3	420.4	552.3	687.0	563.3
87.5°	126.4	164.9	178.6	269.3	368.2	247.3	162.1	159.4	225.3	167.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850146
 CATALOG NUMBER: GLAN-SB7C-735-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7592.5	0°	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5	7592.5
7674.9	2.5°	7647.4	7633.7	7578.7	7504.5	7427.6	7353.4	7328.7	7276.5	7240.7	7221.5
7853.5	5°	7801.3	7757.3	7628.2	7463.3	7290.2	7103.3	6971.4	6850.5	6762.6	6680.2
8098.1	7.5°	8021.1	7944.2	7721.6	7433.1	7125.3	6814.8	6584.0	6408.1	6290.0	6213.0
8383.9	10°	8276.7	8158.5	7817.8	7386.4	6911.0	6465.8	6193.8	6042.7	5968.5	5927.2
8710.9	12.5°	8570.7	8403.1	7916.7	7279.2	6584.0	6075.6	5888.8	5844.8	5847.6	5850.3
9123.1	15°	8933.5	8699.9	7996.4	7045.6	6158.1	5776.1	5743.1	5814.6	5888.8	5924.5
9590.2	17.5°	9342.9	9013.1	8010.2	6660.9	5740.4	5583.8	5688.2	5842.1	5954.7	6004.2
10112.3	20°	9782.6	9331.9	7911.2	6116.8	5396.9	5427.1	5614.0	5811.8	5935.5	5998.7
10708.6	22.5°	10285.4	9672.6	7674.9	5545.3	5116.6	5256.8	5476.6	5668.9	5798.1	5861.3
11409.3	25°	10859.7	10054.6	7303.9	5064.4	4874.8	5064.4	5284.2	5443.6	5548.0	5605.7
12192.5	27.5°	11497.3	10453.0	6809.3	4682.4	4663.2	4866.5	5047.9	5171.6	5226.5	5270.5
13025.1	30°	12137.5	10815.8	6210.3	4393.9	4479.1	4671.4	4800.6	4855.6	4872.0	4880.3
13953.9	32.5°	12830.0	11129.0	5581.0	4154.8	4303.2	4481.8	4558.8	4583.5	4506.6	4454.4
15080.5	35°	13668.1	11464.3	4965.5	3965.2	4130.1	4284.0	4308.7	4286.7	4196.1	4088.9
16493.0	37.5°	14704.1	11882.0	4473.6	3830.6	3968.0	4069.7	4039.4	4033.9	4042.2	3915.8
18191.2	40°	15973.6	12426.0	4113.6	3726.2	3836.1	3858.1	3772.9	3819.6	3860.8	3668.5
20054.2	42.5°	17383.3	13082.8	3885.5	3654.7	3726.2	3674.0	3542.1	3594.3	3588.8	3336.0
21925.6	45°	18820.4	13797.3	3805.9	3602.5	3624.5	3520.1	3374.4	3388.2	3272.8	3044.7
23720.0	47.5°	20249.3	14563.9	3855.3	3558.5	3498.1	3379.9	3267.3	3206.8	3036.4	2866.1
25440.2	50°	21650.8	15369.1	4036.7	3470.6	3325.0	3256.3	3173.8	3066.7	2885.3	2739.7
27066.9	52.5°	22950.5	16179.7	4240.0	3325.0	3107.9	3149.1	3096.9	2973.2	2794.6	2646.2
28605.7	55°	24181.6	16990.3	4319.7	3124.4	2904.5	3055.7	3025.4	2797.4	2583.0	2462.1
30216.0	57.5°	25522.6	17965.8	4231.8	2868.8	2739.7	2948.5	2833.1	2580.3	2456.6	2366.0
32312.7	60°	27380.2	19496.4	4042.2	2552.8	2583.0	2789.1	2591.3	2486.9	2352.2	2250.5
35456.3	62.5°	30466.1	22351.5	3737.2	2239.5	2398.9	2552.8	2475.9	2371.4	2234.1	2135.1
40831.2	65°	35027.6	26319.5	3162.8	1995.0	2192.8	2322.0	2352.2	2247.8	2104.9	2000.5
45541.1	67.5°	38874.7	28809.1	2393.4	1791.6	1981.2	2135.1	2220.3	2118.6	1967.5	1865.8
46643.0	70°	38663.1	27001.0	1827.4	1591.0	1794.4	1951.0	2060.9	1981.2	1819.1	1722.9
42367.3	72.5°	34340.6	22587.8	1478.4	1387.7	1604.8	1758.7	1890.6	1830.1	1665.2	1571.8
31037.6	75°	25228.6	16034.1	1181.6	1181.6	1368.5	1558.1	1703.7	1665.2	1514.1	1448.1
13030.6	77.5°	10634.4	6726.9	926.0	981.0	1137.6	1338.2	1519.6	1533.3	1401.4	1483.9
3445.9	80°	2827.6	1854.8	706.2	772.2	893.1	1104.7	1321.7	1316.2	1173.4	1096.4
1280.5	82.5°	1077.2	730.9	502.9	544.1	645.8	846.4	1047.0	1079.9	937.0	810.6
502.9	85°	414.9	313.3	310.5	327.0	376.5	560.6	791.4	818.9	706.2	599.0
140.1	87.5°	107.2	93.4	115.4	109.9	173.1	299.5	453.4	469.9	431.4	250.1
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°
7592.5
7243.5
6713.1
6229.5
5938.2
5855.8
5921.7
6015.2
6015.2
5877.8
5622.2
5287.0
4899.5
4470.8
4094.4
3924.0
3674.0
3333.2
3052.9
2866.1
2728.7
2649.0
2451.1
2357.7
2245.0
2135.1
2006.0
1868.6
1731.2
1571.8
1428.9
1346.5
1019.5
810.6
618.3
357.2
0.0

F REPORT)