

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: P849298

Luminaire Tested: **GLAN-SB6B-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33531 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

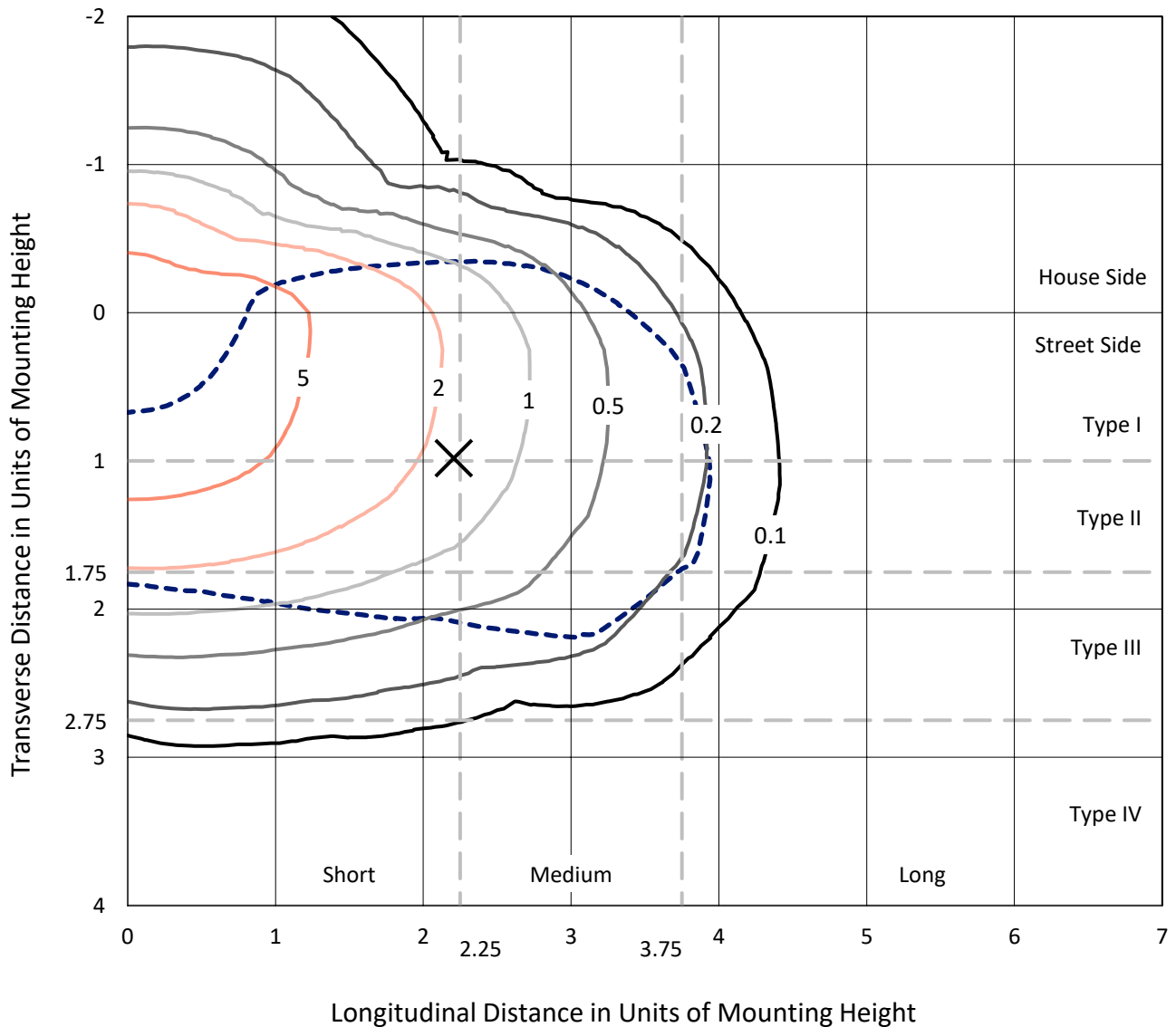
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849298
 CATALOG NUMBER: GLAN-SB6B-735-U-T3

Iso-Footcandle Lines of Horizontal Illumination

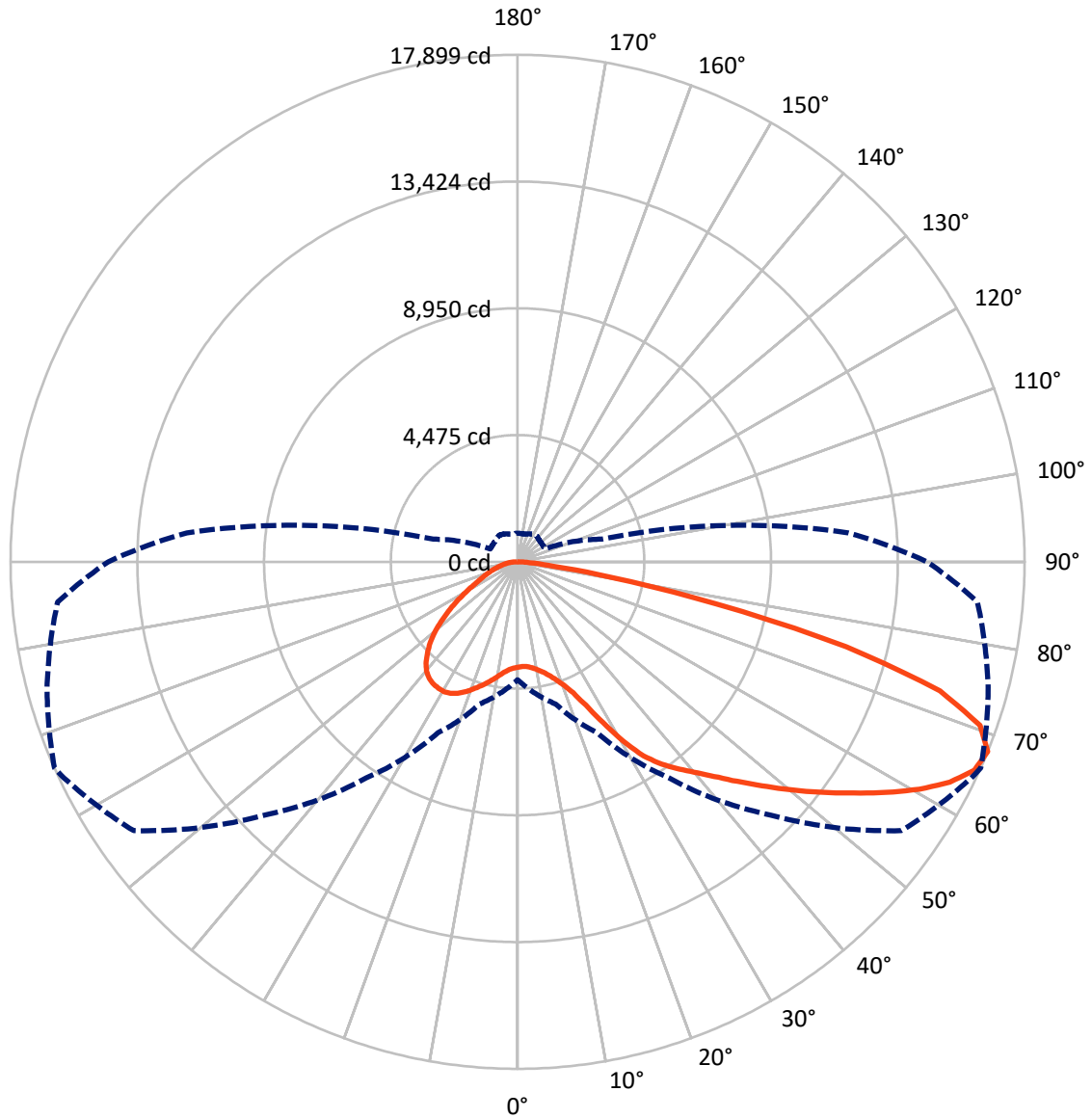
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

REPORT NUMBER: P849298
CATALOG NUMBER: GLAN-SB6B-735-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P849298
 CATALOG NUMBER: GLAN-SB6B-735-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8337.4	0.0	8337.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	25193.6	0.0	25193.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	33531.0	0.0	33531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.7	1.1
10°-20°	1218.2	3.6
20°-30°	2348.1	7.0
30°-40°	4117.0	12.3
40°-50°	6120.7	18.3
50°-60°	7758.5	23.1
60°-70°	7591.5	22.6
70°-80°	3621.2	10.8
80°-90°	387.0	1.2
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°	33531.0	100.0
0°-180°	33531.0	100.0

Coefficient of Utilization

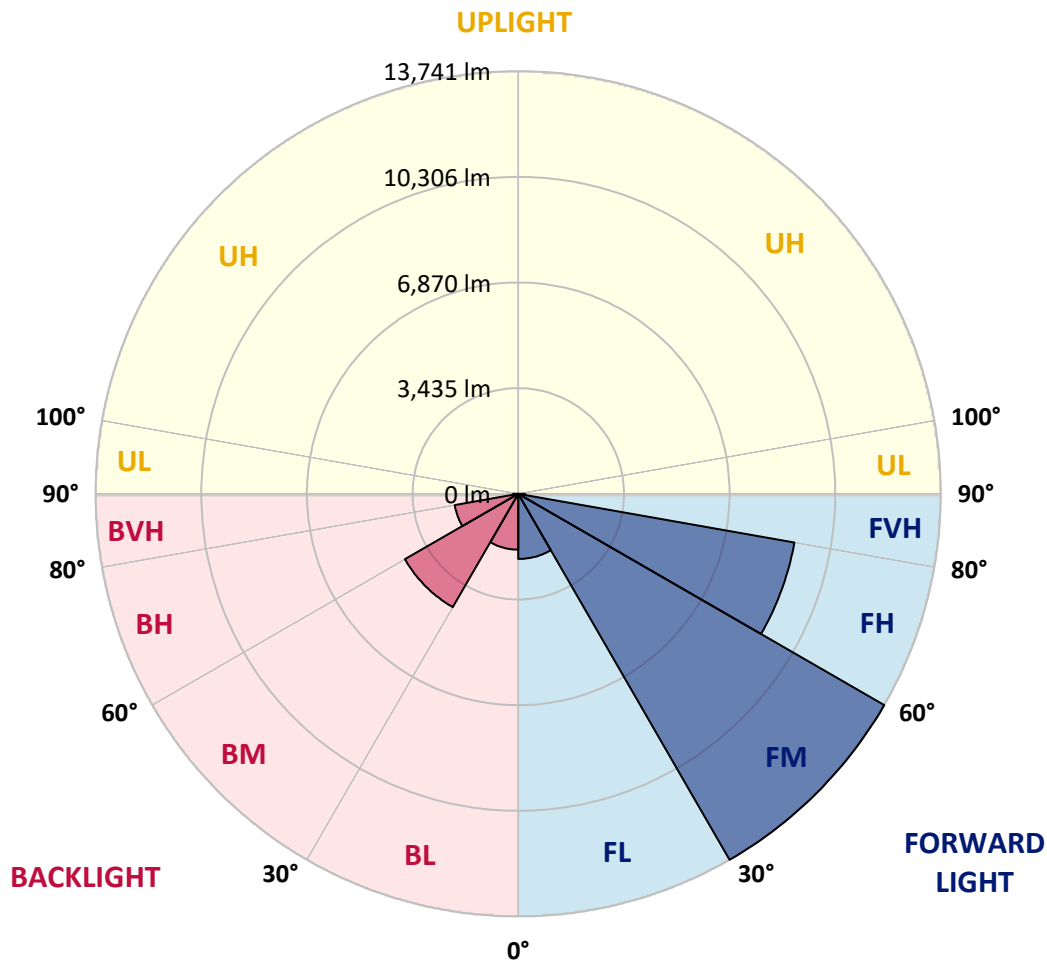


REPORT NUMBER: P849298
 CATALOG NUMBER: GLAN-SB6B-735-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2118.8	6.3			
FM (30°-60°)	13740.7	41.0			
FH (60°-80°)	9114.7	27.2			G4/12000
FVH (80°-90°)	219.4	0.7			G2/225
BL (0°-30°)	1816.2	5.4	B3/2500		
BM (30°-60°)	4255.5	12.7	B3/5000		
BH (60°-80°)	2098.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	167.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short



REPORT NUMBER: P849298
 CATALOG NUMBER: GLAN-SB6B-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0
2.5°	3680.3	3701.4	3696.1	3687.3	3685.6	3689.1	3694.4	3699.7	3697.9	3706.7
5°	3669.7	3690.8	3689.1	3689.1	3696.1	3710.2	3719.0	3727.8	3719.0	3729.6
7.5°	3676.7	3692.6	3699.7	3706.7	3724.3	3750.7	3771.9	3791.3	3780.7	3793.0
10°	3766.6	3778.9	3786.0	3786.0	3798.3	3828.3	3849.4	3884.6	3875.8	3895.2
12.5°	3930.4	3942.8	3942.8	3935.7	3944.5	3963.9	3971.0	4009.7	3993.9	4025.6
15°	4131.3	4155.9	4136.6	4124.2	4127.8	4147.1	4145.4	4175.3	4159.5	4185.9
17.5°	4353.3	4385.0	4353.3	4351.5	4344.4	4365.6	4367.4	4393.8	4365.6	4385.0
20°	4615.8	4659.8	4633.4	4642.2	4626.3	4635.1	4643.9	4682.7	4638.7	4652.8
22.5°	4985.7	5038.6	5010.4	5043.9	5033.3	5026.2	5024.5	5093.2	5024.5	5029.8
25°	5524.8	5588.2	5538.9	5584.7	5584.7	5607.6	5634.0	5722.1	5607.6	5574.1
27.5°	6321.1	6384.5	6287.6	6315.8	6307.0	6363.4	6335.2	6553.7	6430.3	6375.7
30°	7279.5	7392.3	7209.0	7202.0	7193.2	7283.0	7323.5	7468.0	7342.9	7288.3
32.5°	8315.4	8433.4	8215.0	8151.6	8118.1	8172.7	8139.2	8255.5	8169.2	8084.6
35°	9411.2	9527.5	9319.6	9196.3	9062.4	8947.9	8828.1	8858.0	8777.0	8648.4
37.5°	10447.1	10660.3	10440.1	10307.9	10061.3	9837.6	9502.8	9363.6	9287.9	9169.9
40°	11502.4	11624.0	11456.6	11343.8	11076.1	10725.5	10189.9	9895.7	9793.5	9679.0
42.5°	12279.3	12395.6	12305.7	12228.2	12018.6	11611.6	10919.3	10551.1	10403.1	10274.5
45°	12895.9	12982.3	12925.9	12954.1	12864.2	12469.6	11675.0	11254.0	11100.7	10943.9
47.5°	13144.3	13235.9	13325.8	13493.2	13646.4	13355.7	12487.2	12015.1	11853.0	11692.7
50°	13116.1	13209.5	13470.3	13826.1	14301.8	14204.9	13343.4	12825.5	12675.7	12492.5
52.5°	12890.6	12996.3	13331.1	13923.0	14680.6	14840.9	14215.5	13662.3	13521.3	13302.9
55°	12298.7	12362.1	12864.2	13702.8	14770.4	15284.8	15069.9	14553.7	14412.8	14108.0
57.5°	11201.1	11292.7	12023.9	13109.1	14544.9	15586.1	15820.4	15491.0	15355.3	14916.6
60°	9768.8	9915.1	10751.9	12112.0	13970.6	15584.3	16502.2	16412.4	16299.6	15713.0
62.5°	8148.0	8317.2	9122.3	10702.6	12966.4	15142.1	16928.6	17184.0	17125.9	16447.6
65°	6257.7	6374.0	7175.6	8879.2	11403.7	14192.6	16977.9	17710.8	17721.3	17006.1
67.5°	4166.5	4501.2	5197.1	6662.9	9310.8	12640.5	16544.5	17797.1	17899.3	17198.1
70°	2033.0	2473.5	3155.3	4330.4	6662.9	10260.4	15411.7	17088.9	17316.1	16637.9
72.5°	843.9	986.6	1358.3	2137.0	3824.7	6923.6	13135.5	15168.6	15589.6	14742.2
75°	569.0	616.6	776.9	1095.8	1742.4	3414.3	9472.9	11310.4	11988.6	11134.2
77.5°	438.7	468.6	565.5	766.4	1035.9	1291.4	5070.3	6816.2	7166.8	6634.7
80°	345.3	368.2	422.8	558.5	734.6	690.6	1728.3	3088.3	3290.9	2760.6
82.5°	299.5	308.3	303.0	378.8	488.0	403.4	567.3	1139.8	1257.9	912.6
85°	216.7	241.4	251.9	234.3	259.0	204.4	232.5	403.4	444.0	396.4
87.5°	88.1	130.4	160.3	151.5	95.1	58.1	72.2	118.0	135.7	148.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849298
 CATALOG NUMBER: GLAN-SB6B-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3719.0	0°	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0	3719.0
3720.8	2.5°	3722.6	3734.9	3743.7	3754.3	3761.3	3771.9	3793.0	3805.4	3807.1	3815.9
3749.0	5°	3756.0	3773.6	3793.0	3821.2	3852.9	3879.3	3919.9	3948.1	3958.6	3967.4
3817.7	7.5°	3828.3	3852.9	3888.2	3937.5	3983.3	4018.5	4067.9	4101.3	4134.8	4147.1
3926.9	10°	3935.7	3971.0	4022.1	4089.0	4138.3	4184.1	4235.2	4263.4	4296.9	4311.0
4057.3	12.5°	4069.6	4106.6	4173.6	4266.9	4312.7	4344.4	4362.1	4355.0	4362.1	4374.4
4214.1	15°	4222.9	4263.4	4339.2	4439.6	4471.3	4443.1	4404.3	4369.1	4363.8	4367.4
4404.3	17.5°	4404.3	4434.3	4522.4	4606.9	4584.0	4467.8	4383.2	4326.8	4298.6	4289.8
4647.5	20°	4658.0	4658.0	4730.3	4783.1	4629.9	4432.5	4300.4	4208.8	4150.7	4126.0
4978.7	22.5°	4966.3	4938.2	4984.0	4947.0	4621.0	4333.9	4150.7	3992.1	3904.0	3868.8
5442.0	25°	5357.4	5324.0	5311.6	5082.6	4557.6	4177.1	3879.3	3687.3	3609.8	3590.4
6109.7	27.5°	5947.6	5863.1	5702.7	5156.6	4441.3	3930.4	3562.2	3384.3	3340.3	3342.0
6967.7	30°	6733.4	6564.2	6171.4	5168.9	4251.1	3581.6	3238.1	3111.2	3090.1	3098.9
7688.2	32.5°	7461.0	7300.6	6650.6	5112.6	3958.6	3239.8	2947.4	2862.8	2831.1	2841.7
8237.9	35°	8031.8	7987.7	7094.5	5033.3	3599.2	2919.2	2686.7	2614.4	2552.8	2538.7
8755.8	37.5°	8570.9	8553.2	7427.5	4922.3	3243.4	2691.9	2477.0	2381.9	2292.0	2242.7
9328.4	40°	9162.8	9145.2	7645.9	4751.4	2928.0	2494.6	2288.5	2163.4	2052.4	1962.6
9976.7	42.5°	9828.7	9724.8	7749.9	4506.5	2660.2	2327.3	2135.2	1966.1	1819.9	1737.1
10709.6	45°	10556.3	10322.0	7748.1	4194.7	2434.7	2174.0	1971.4	1731.8	1596.1	1518.6
11461.9	47.5°	11328.0	10892.8	7653.0	3849.4	2216.3	2004.9	1717.7	1534.5	1444.6	1397.1
12279.3	50°	12124.3	11426.6	7490.9	3453.0	1992.5	1812.8	1559.1	1434.1	1365.3	1321.3
13089.7	52.5°	12873.0	11911.1	7295.4	3003.8	1765.3	1626.1	1488.7	1391.8	1319.5	1270.2
13875.5	55°	13568.9	12328.6	7018.8	2544.0	1580.3	1501.0	1455.2	1374.2	1291.4	1233.2
14673.5	57.5°	14187.3	12600.0	6541.3	2112.3	1448.1	1414.7	1420.0	1344.2	1249.1	1199.7
15459.3	60°	14701.7	12799.0	5834.9	1712.4	1340.7	1330.1	1365.3	1287.8	1176.8	1120.5
16123.4	62.5°	15010.0	12795.5	4968.1	1402.3	1249.1	1252.6	1293.1	1217.4	1104.6	1051.8
16470.5	65°	14983.6	12481.9	4016.8	1199.7	1161.0	1164.5	1217.4	1139.8	1044.7	1013.0
16296.1	67.5°	14453.3	11717.3	3081.3	1067.6	1064.1	1079.9	1141.6	1087.0	1007.7	1004.2
15256.7	70°	13017.5	10130.0	2219.8	961.9	963.7	986.6	1067.6	1053.5	988.3	995.4
12827.2	72.5°	10438.3	7723.5	1490.4	850.9	852.7	889.7	997.1	1027.1	969.0	1062.3
9101.1	75°	6951.8	4816.6	958.4	732.9	734.6	782.2	935.5	976.0	916.1	1058.8
4735.6	77.5°	3340.3	2165.2	694.1	616.6	616.6	660.7	808.6	873.8	780.5	822.7
1522.1	80°	1153.9	813.9	546.1	496.8	486.2	516.2	681.8	757.5	673.0	620.1
496.8	82.5°	454.5	422.8	438.7	385.8	350.6	370.0	530.3	625.4	495.0	447.5
280.1	85°	260.7	274.8	310.1	255.5	202.6	227.3	389.3	449.2	373.5	329.4
91.6	87.5°	70.5	96.9	142.7	132.1	91.6	96.9	185.0	248.4	214.9	165.6
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°
3719.0
3814.2
3965.7
4148.9
4318.0
4377.9
4379.7
4302.2
4120.7
3863.5
3593.9
3347.3
3128.8
2855.8
2549.2
2244.5
1971.4
1742.4
1515.1
1386.5
1305.4
1249.1
1210.3
1168.0
1095.8
1035.9
1011.2
1009.5
993.6
1076.4
1067.6
754.0
581.4
445.7
336.5
170.9
0.0

F REPORT)