

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: McGRAW-EDISON

Report Number: P944309

Luminaire Tested: **GALN-SB9A-940-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-940-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29263 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

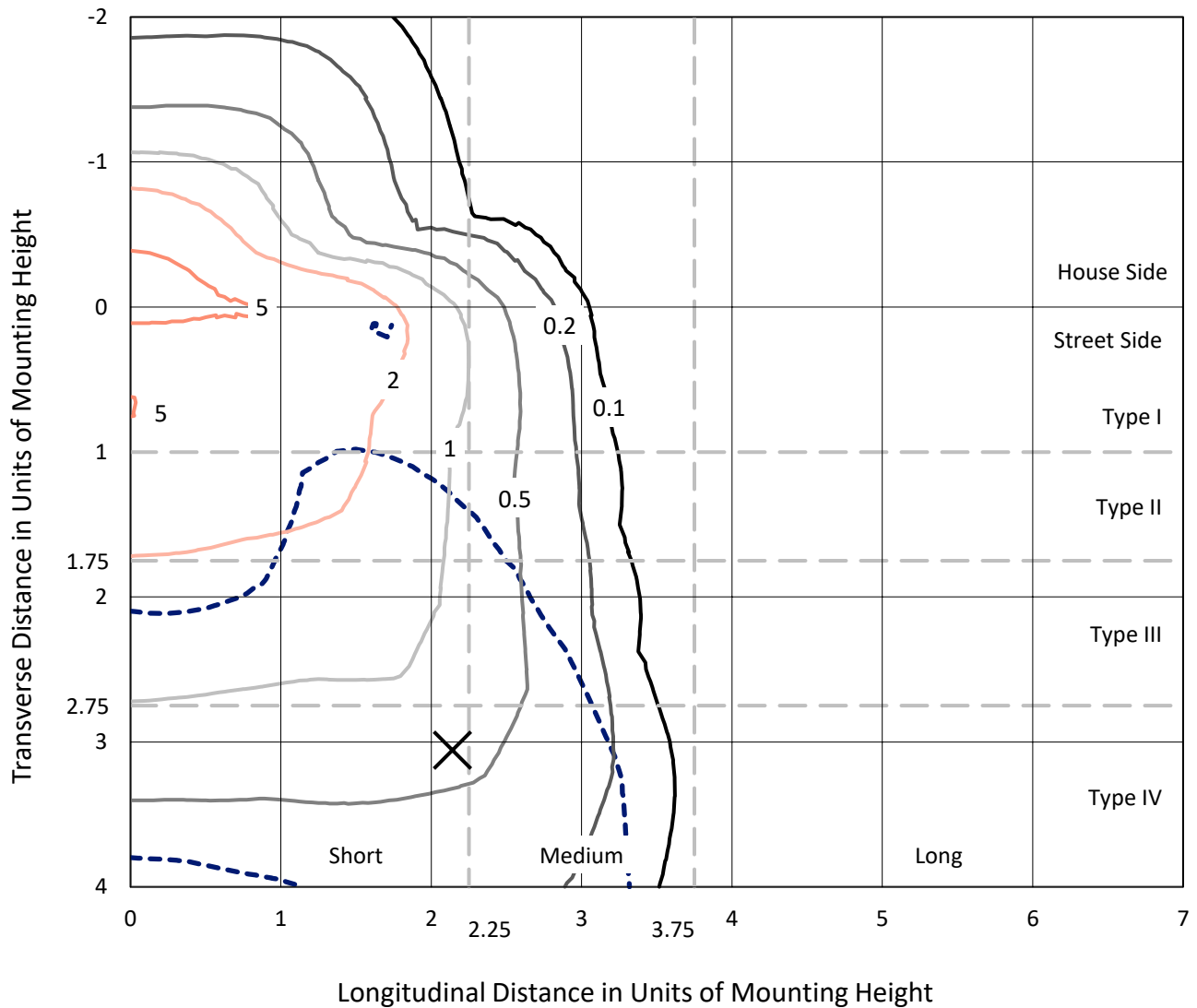
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944309
 CATALOG NUMBER: GALN-SB9A-940-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

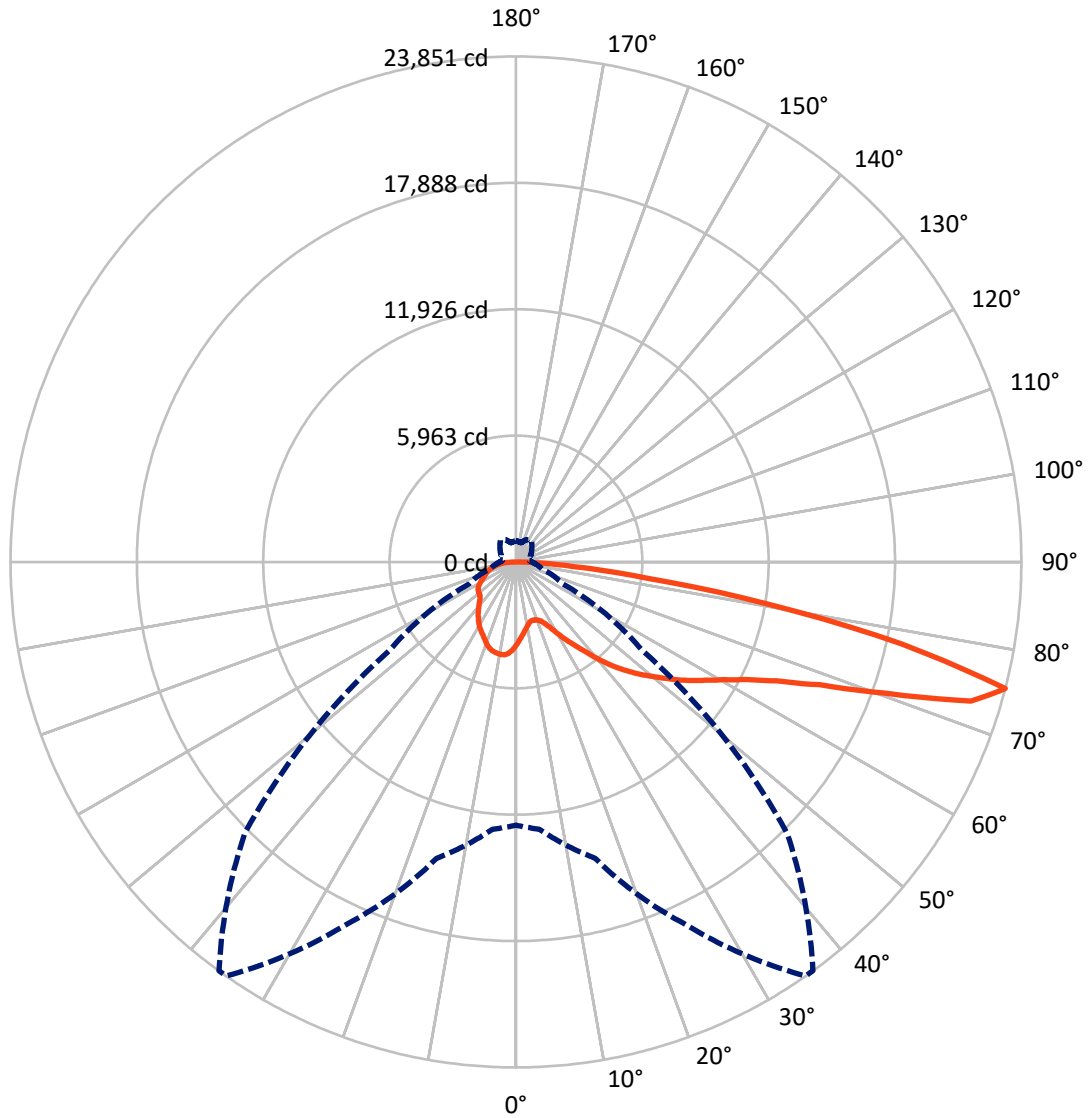
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P944309
CATALOG NUMBER: GALN-SB9A-940-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P944309

CATALOG NUMBER: GALN-SB9A-940-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6963.9	0.0	6963.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22299.1	0.0	22299.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	29263.0	0.0	29263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	1.3
10°-20°	1064.9	3.6
20°-30°	1788.3	6.1
30°-40°	2779.3	9.5
40°-50°	4125.2	14.1
50°-60°	5695.1	19.5
60°-70°	6909.5	23.6
70°-80°	5710.2	19.5
80°-90°	821.3	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°	29263.0	100.0
0°-180°	29263.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944309

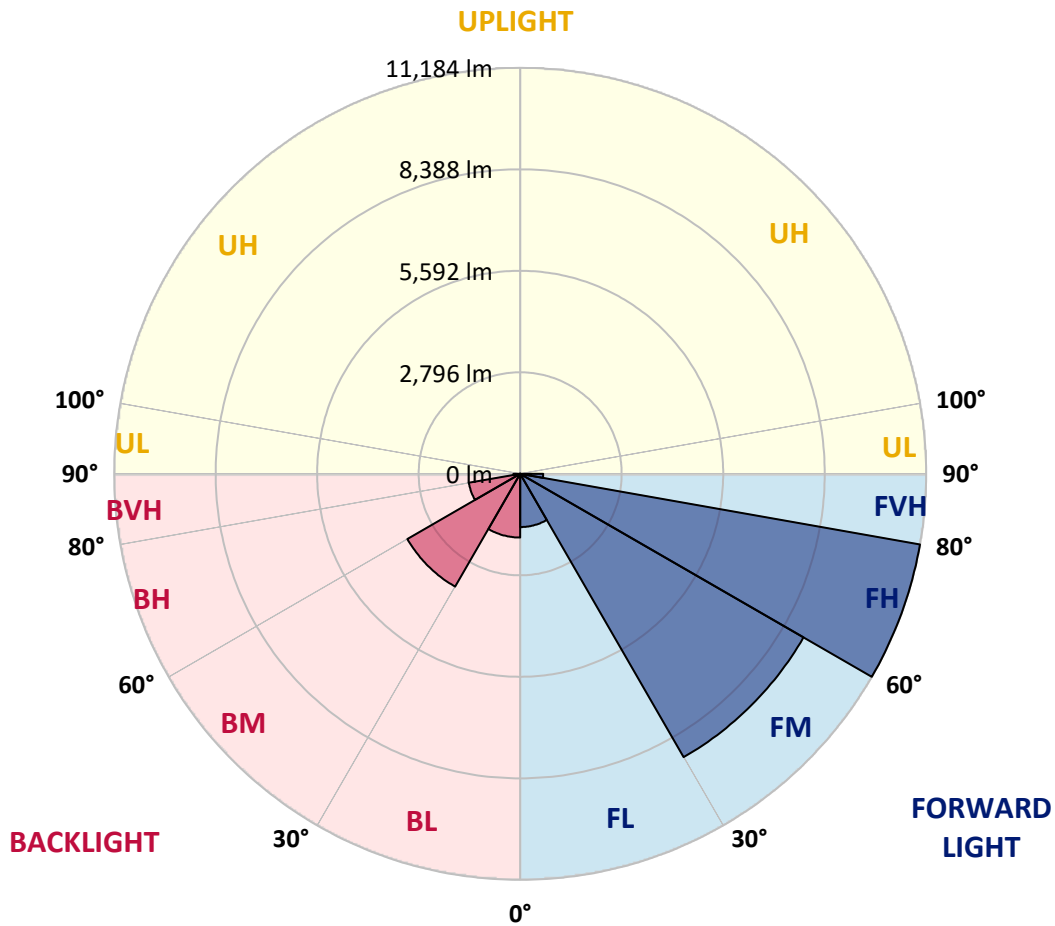
CATALOG NUMBER: GALN-SB9A-940-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1467.5	5.0			
FM (30°-60°)	9011.4	30.8			
FH (60°-80°)	11183.9	38.2			G4/12000
FVH (80°-90°)	636.4	2.2			G4/750
BL (0°-30°)	1755.0	6.0	B3/2500		
BM (30°-60°)	3588.2	12.3	B3/5000		
BH (60°-80°)	1435.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	184.9	0.6			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 IV Short



REPORT NUMBER: P944309
 CATALOG NUMBER: GALN-SB9A-940-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5
2.5°	3595.8	3617.9	3627.4	3622.7	3646.4	3643.2	3676.4	3717.6	3774.5	3829.9
5°	3318.9	3342.6	3363.2	3382.2	3428.1	3442.3	3494.5	3573.6	3678.0	3784.0
7.5°	3061.1	3081.6	3113.3	3148.1	3225.6	3239.8	3326.8	3450.2	3595.8	3750.8
10°	2850.7	2871.2	2904.4	2944.0	3040.5	3057.9	3168.6	3333.2	3523.0	3719.2
12.5°	2760.5	2766.8	2785.8	2825.4	2909.2	2920.3	3042.1	3230.3	3451.8	3695.4
15°	2755.7	2768.4	2770.0	2790.5	2860.2	2864.9	2977.2	3163.9	3407.5	3690.7
17.5°	2803.2	2812.7	2798.5	2811.1	2869.6	2877.6	2966.1	3132.2	3393.3	3711.2
20°	2929.8	2937.7	2895.0	2877.6	2920.3	2926.6	3013.6	3152.8	3407.5	3754.0
22.5°	3198.7	3203.4	3099.0	3027.8	3031.0	3034.2	3110.1	3236.7	3462.9	3831.5
25°	3617.9	3614.7	3448.6	3311.0	3231.9	3214.5	3265.1	3372.7	3556.2	3934.3
27.5°	4108.3	4084.6	3918.5	3712.8	3540.4	3515.1	3504.0	3549.9	3689.1	4070.3
30°	4662.0	4639.8	4461.1	4192.2	3953.3	3912.1	3807.7	3784.0	3886.8	4255.4
32.5°	5269.5	5255.2	5041.7	4715.8	4396.2	4348.8	4173.2	4109.9	4190.6	4535.4
35°	5778.8	5766.2	5589.0	5253.6	4862.9	4804.4	4625.6	4554.4	4595.5	4894.5
37.5°	6239.2	6232.9	6081.0	5816.8	5413.4	5342.2	5141.3	5117.6	5109.7	5367.5
40°	6666.3	6650.5	6492.3	6353.1	6054.1	5989.2	5812.1	5791.5	5731.4	5949.7
42.5°	7139.3	7098.2	6868.8	6803.9	6723.3	6669.5	6563.5	6566.7	6433.8	6606.2
45°	7525.3	7501.6	7265.9	7227.9	7314.9	7292.8	7384.5	7408.2	7150.4	7294.3
47.5°	7939.8	7917.6	7718.3	7691.4	7927.1	7933.5	8257.7	8265.7	7849.6	8009.4
50°	8450.7	8419.1	8221.4	8254.6	8518.8	8542.5	9135.7	9081.9	8493.5	8735.5
52.5°	8787.7	8806.7	8764.0	8817.8	9178.4	9200.6	9999.5	9861.8	9131.0	9452.1
55°	9036.1	9074.0	9206.9	9330.3	9874.5	9896.6	10814.2	10603.8	9659.4	10116.5
57.5°	9355.6	9301.8	9550.2	9790.7	10535.7	10594.3	11606.7	11318.8	10127.6	10689.2
60°	9814.4	9776.4	9969.4	10325.4	11276.1	11369.4	12445.2	11962.7	10470.9	11143.2
62.5°	10744.6	10649.6	10679.7	10994.5	12209.4	12332.8	13391.2	12524.3	10641.7	11320.4
65°	12135.1	11972.2	11820.3	12038.6	13524.0	13645.9	14459.0	12965.6	10578.5	10977.1
67.5°	13886.3	13724.9	13538.3	13743.9	15460.3	15556.8	15776.7	13214.0	10080.1	9654.6
70°	15330.6	15270.5	15493.6	16339.9	18553.0	18556.2	17466.2	13008.3	8714.9	6845.1
72.5°	15139.2	15102.8	16278.2	18894.7	22451.0	22367.1	19065.6	11451.7	5870.6	3088.0
75°	12419.8	12655.6	14476.4	18848.9	23851.0	23839.9	18086.4	7280.1	2428.3	1279.8
77.5°	6660.0	7033.3	9398.3	13916.4	18619.5	18899.5	12715.7	2546.9	1042.5	819.4
80°	2172.0	2497.9	3746.0	7085.5	12098.7	12046.5	5449.8	999.8	713.5	580.6
82.5°	922.3	960.2	1673.7	3345.8	6209.1	6112.6	1735.4	574.2	501.5	397.1
85°	360.7	403.4	738.8	1547.1	2689.3	2630.8	626.4	284.7	321.1	259.4
87.5°	118.6	144.0	264.2	530.0	836.8	806.8	153.4	98.1	139.2	118.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944309
 CATALOG NUMBER: GALN-SB9A-940-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3899.5	0°	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5	3899.5
3910.6	2.5°	3932.7	3958.0	3988.1	4032.4	4070.3	4102.0	4135.2	4155.8	4163.7	4187.4
3916.9	5°	3961.2	4016.6	4090.9	4163.7	4234.9	4277.6	4315.5	4334.5	4351.9	4364.6
3934.3	7.5°	4008.6	4079.8	4196.9	4291.8	4351.9	4386.7	4412.0	4405.7	4412.0	4415.2
3953.3	10°	4049.8	4149.4	4288.7	4378.8	4424.7	4426.3	4420.0	4397.8	4386.7	4388.3
3981.8	12.5°	4098.8	4209.6	4359.8	4435.8	4448.4	4413.6	4386.7	4348.8	4334.5	4328.2
4024.5	15°	4165.3	4291.8	4437.4	4465.8	4434.2	4389.9	4344.0	4282.3	4250.7	4225.4
4097.2	17.5°	4245.9	4385.1	4497.5	4476.9	4408.9	4336.1	4261.8	4168.4	4103.6	4076.7
4196.9	20°	4358.3	4483.2	4543.3	4453.2	4350.3	4239.6	4113.1	3999.2	3939.0	3912.1
4323.5	22.5°	4494.3	4614.5	4587.6	4412.0	4266.5	4089.3	3931.1	3847.3	3817.2	3798.2
4486.4	25°	4657.2	4760.1	4619.3	4351.9	4128.9	3890.0	3768.2	3741.3	3727.1	3712.8
4685.7	27.5°	4869.2	4924.6	4643.0	4263.3	3913.7	3678.0	3633.7	3638.5	3633.7	3610.0
4962.6	30°	5149.2	5138.2	4665.2	4119.4	3666.9	3486.6	3489.8	3510.3	3513.5	3497.7
5348.6	32.5°	5517.8	5405.5	4676.2	3932.7	3431.2	3318.9	3322.1	3344.2	3360.0	3333.2
5853.2	35°	5963.9	5717.1	4658.8	3698.6	3249.3	3159.1	3135.4	3141.7	3146.5	3121.2
6465.4	37.5°	6484.4	6066.8	4581.3	3439.1	3099.0	3002.5	2951.9	2909.2	2883.9	2860.2
7158.3	40°	7055.5	6448.0	4438.9	3186.0	2931.3	2836.4	2760.5	2679.8	2594.4	2562.7
7892.3	42.5°	7653.4	6840.3	4266.5	2944.0	2738.3	2660.8	2580.2	2463.1	2334.9	2270.1
8654.8	45°	8273.6	7242.1	4097.2	2705.1	2540.6	2507.4	2414.0	2273.3	2134.0	2051.8
9418.9	47.5°	8881.0	7621.8	3848.9	2464.7	2355.5	2391.9	2319.1	2189.4	2034.4	1904.7
10176.6	50°	9461.6	7977.7	3442.3	2221.0	2205.2	2357.1	2287.5	2100.8	1923.6	1757.5
10920.2	52.5°	10037.4	8265.7	2921.9	1999.6	2124.6	2347.6	2246.4	2040.7	1824.0	1650.0
11619.4	55°	10526.3	8414.4	2420.4	1809.7	2007.5	2266.9	2197.3	1969.5	1683.2	1498.1
12098.7	57.5°	10804.7	8294.1	2002.7	1623.1	1846.1	2134.0	2113.5	1817.7	1515.5	1373.1
12192.0	60°	10684.5	7806.9	1661.0	1460.1	1692.7	1990.1	1967.9	1667.4	1387.4	1252.9
11692.2	62.5°	10021.6	6878.3	1390.5	1317.8	1553.5	1843.0	1822.4	1551.9	1289.3	1159.6
10364.9	65°	8686.5	5595.3	1180.1	1199.1	1412.7	1665.8	1695.8	1455.4	1211.8	1085.2
8018.9	67.5°	6625.2	4052.9	1015.6	1096.3	1275.0	1491.8	1578.8	1385.8	1146.9	1026.7
4639.8	70°	3776.1	2301.7	876.4	996.6	1153.2	1330.4	1488.6	1330.4	1077.3	977.6
1738.6	72.5°	1431.7	1056.7	757.8	897.0	1036.2	1194.4	1388.9	1243.4	996.6	922.3
898.5	75°	764.1	643.9	637.5	779.9	901.7	1061.5	1264.0	1158.0	936.5	974.5
621.7	77.5°	520.5	455.6	533.1	667.6	754.6	914.4	1131.1	1028.3	811.5	808.4
430.3	80°	360.7	322.7	433.5	537.9	583.7	768.8	987.1	882.7	661.3	617.0
265.8	82.5°	216.7	210.4	324.3	401.8	412.9	593.2	817.9	740.3	541.0	471.4
158.2	85°	118.6	125.0	207.2	235.7	240.5	414.5	640.7	572.7	416.1	349.6
56.9	87.5°	33.2	42.7	75.9	93.3	115.5	215.1	381.2	340.1	208.8	145.5
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

<u>180°</u>
3899.5
4185.8
4367.7
4420.0
4391.5
4325.0
4233.3
4078.3
3909.0
3801.4
3712.8
3614.7
3505.6
3345.8
3138.6
2876.0
2577.0
2278.0
2045.5
1890.4
1743.3
1631.0
1482.3
1354.1
1233.9
1139.0
1064.6
1007.7
965.0
909.6
<i>1006.1</i>
745.1
590.1
474.6
352.8
145.5
0.0

F REPORT)