

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: P943288

Luminaire Tested: **GALN-SB7C-940-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-940-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

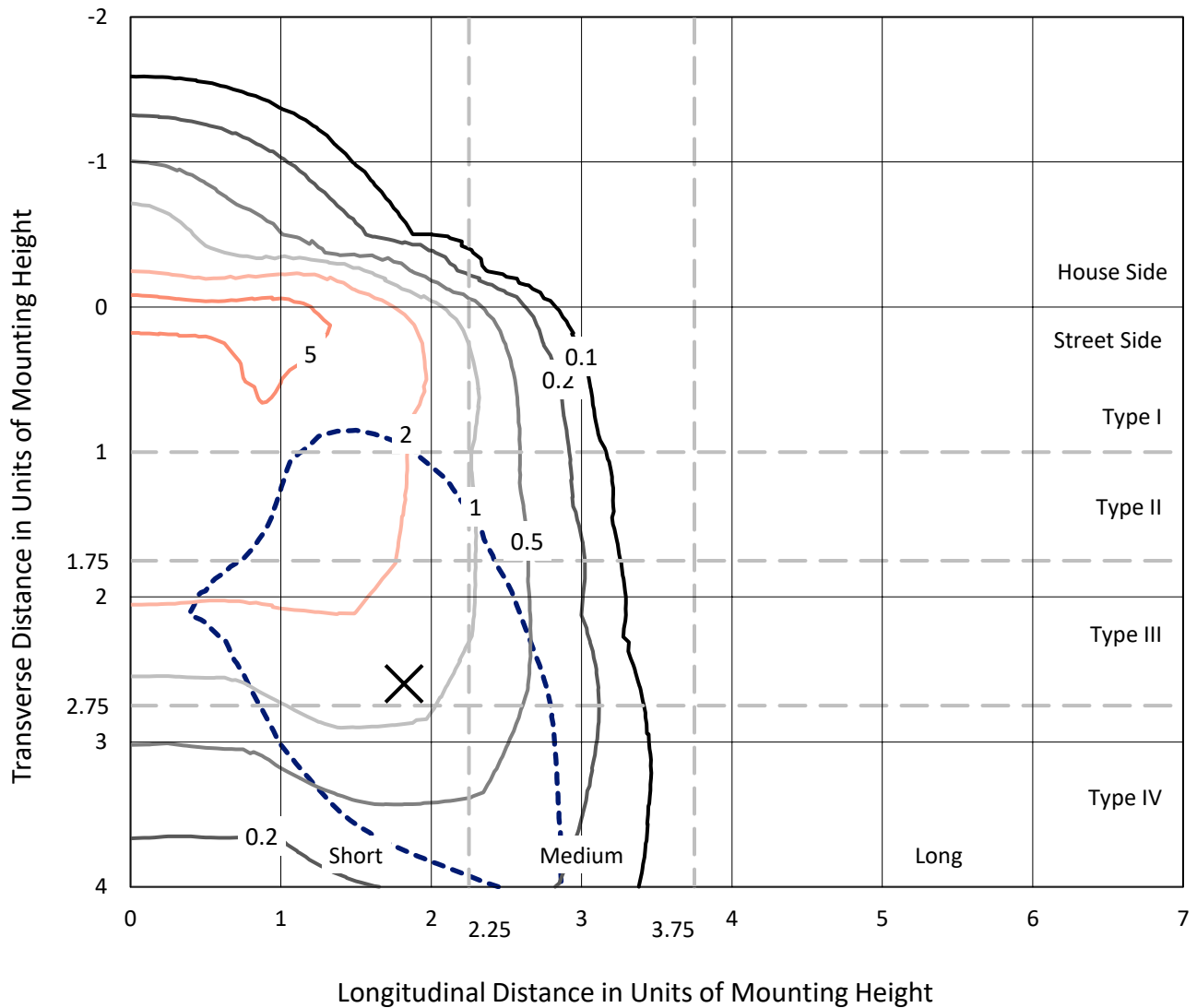
Lumens per Lamp: N/A  
Luminaire Lumens: 29221 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P943288  
 CATALOG NUMBER: GALN-SB7C-940-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

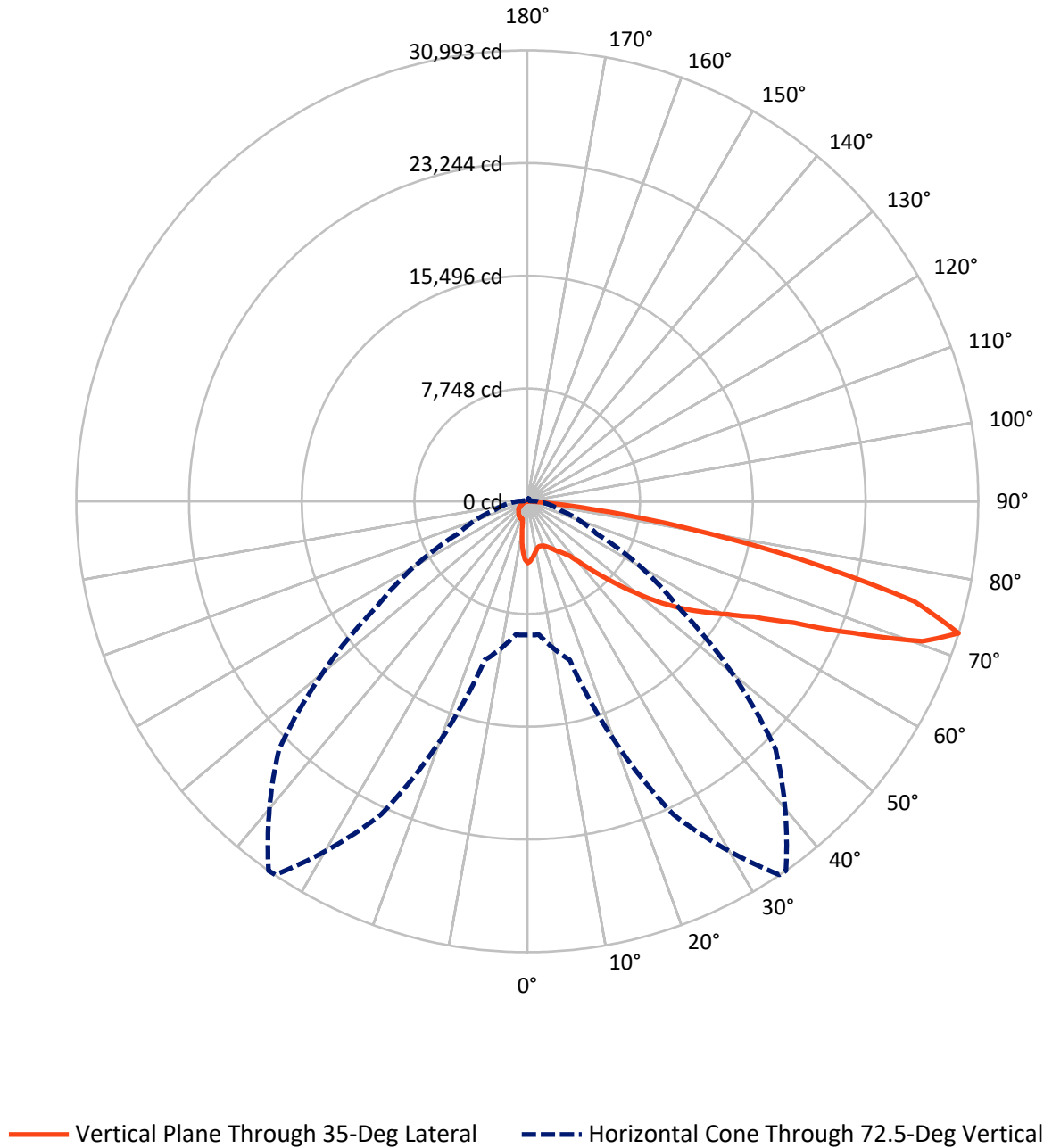
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P943288  
CATALOG NUMBER: GALN-SB7C-940-U-T4FT-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P943288  
 CATALOG NUMBER: GALN-SB7C-940-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3288.7	0.0	3288.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	25932.3	0.0	25932.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	29221.0	0.0	29221.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.0	1.2
10°-20°	814.1	2.8
20°-30°	1322.5	4.5
30°-40°	2206.6	7.6
40°-50°	4175.0	14.3
50°-60°	6634.1	22.7
60°-70°	8206.8	28.1
70°-80°	5101.4	17.5
80°-90°	412.3	1.4
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°	29221.0	100.0
0°-180°	29221.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P943288

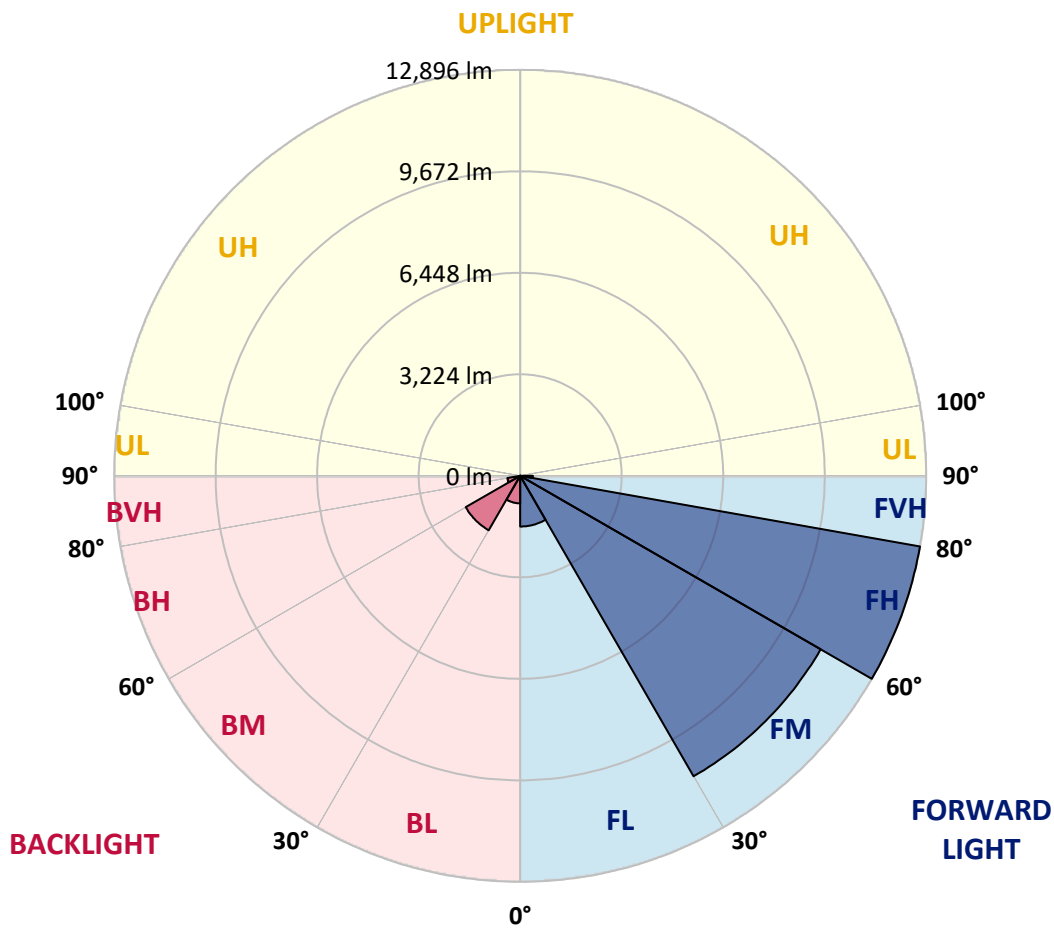
CATALOG NUMBER: GALN-SB7C-940-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.8	5.5			
FM (30°-60°)	11019.2	37.7			
FH (60°-80°)	12895.6	44.1			G5
FVH (80°-90°)	406.7	1.4			G3/500
BL (0°-30°)	873.9	3.0	B2/1000		
BM (30°-60°)	1996.5	6.8	B2/2500		
BH (60°-80°)	412.7	1.4	B1/500		G1/500
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short



REPORT NUMBER: P943288

CATALOG NUMBER: GALN-SB7C-940-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1
2.5°	4046.7	4080.9	4087.4	4098.1	4098.1	4110.9	4132.3	4162.3	4211.6	4237.2
5°	3729.8	3755.5	3787.6	3813.3	3862.6	3869.0	3952.5	4033.8	4147.3	4233.0
7.5°	3410.8	3440.8	3483.6	3545.7	3609.9	3629.2	3755.5	3892.5	4072.4	4233.0
10°	3186.0	3188.1	3226.6	3288.7	3391.5	3415.1	3569.2	3764.1	3988.9	4207.3
12.5°	3059.6	3074.6	3091.8	3138.9	3237.3	3252.3	3417.2	3646.3	3905.4	4192.3
15°	3059.6	3070.3	3081.0	3104.6	3183.8	3196.7	3342.3	3571.4	3862.6	4198.7
17.5°	3091.8	3108.9	3100.3	3128.2	3211.7	3220.2	3348.7	3549.9	3860.4	4239.4
20°	3168.8	3181.7	3164.6	3181.7	3265.2	3282.3	3415.1	3590.6	3896.8	4310.0
22.5°	3290.9	3297.3	3256.6	3269.5	3355.1	3376.5	3530.7	3706.3	3984.6	4423.5
25°	3445.0	3457.9	3395.8	3410.8	3492.1	3517.8	3695.5	3879.7	4123.8	4579.8
27.5°	3622.7	3629.2	3575.6	3573.5	3678.4	3714.8	3894.7	4093.8	4310.0	4776.8
30°	3826.2	3845.4	3794.0	3785.5	3918.2	3948.2	4125.9	4357.1	4584.1	5072.3
32.5°	3986.7	4001.7	3971.7	3993.2	4128.0	4151.6	4406.4	4729.7	5014.5	5491.9
35°	4218.0	4226.5	4158.0	4196.6	4350.7	4410.7	4789.6	5252.1	5556.2	6018.6
37.5°	5055.1	5055.1	4764.0	4573.4	4721.1	4774.7	5314.2	5909.4	6224.2	6725.2
40°	6213.5	6194.2	5768.1	5378.5	5359.2	5464.1	6061.5	6738.1	7087.1	7573.1
42.5°	7448.9	7418.9	6838.7	6453.3	6389.1	6425.5	6924.3	7759.4	8114.8	8607.2
45°	8545.1	8536.6	8005.6	7487.4	7371.8	7487.4	8001.3	8954.1	9208.9	9727.0
47.5°	9463.7	9463.7	9076.1	8737.8	8677.9	8746.4	9459.4	10279.4	10255.9	10919.6
50°	10521.4	10512.8	10144.5	9999.0	10061.0	10157.4	11138.0	11675.4	11339.3	12090.8
52.5°	11262.2	11313.6	11187.3	11163.7	11480.6	11647.6	12842.3	13041.5	12309.2	13202.0
55°	11848.9	11908.8	12054.4	12219.3	12829.5	13047.9	14493.1	14336.8	13120.7	14165.5
57.5°	12679.6	12594.0	12818.8	13144.2	14131.3	14394.6	16092.5	15559.4	13773.7	14947.0
60°	13688.1	13700.9	13739.5	14150.6	15430.9	15769.2	17668.4	16715.6	14193.4	15426.7
62.5°	14899.9	14919.2	14998.4	15630.1	17175.9	17495.0	19347.0	17662.0	14386.1	15291.8
65°	14816.4	14897.8	15782.1	17942.4	19828.8	20143.5	21306.1	18325.7	14094.9	14058.5
67.5°	13497.5	13630.3	15109.8	20704.5	23828.3	24179.5	23674.2	18456.3	12838.1	10932.5
70°	11767.5	11814.6	13593.9	23188.2	28459.5	28815.0	25793.9	17019.6	9742.0	6097.9
72.5°	9189.6	9200.3	11287.9	23764.1	30973.2	30992.5	24130.2	12634.7	5239.3	2342.4
75°	6564.6	6500.4	7560.2	19272.1	27249.8	27468.2	18090.2	5926.6	2001.9	1107.0
77.5°	3520.0	3590.6	4277.9	11429.2	18824.6	19197.1	9870.5	1708.6	1019.2	753.7
80°	1087.7	1147.6	1753.6	5232.9	10662.7	10887.5	3659.1	760.1	710.8	537.4
82.5°	342.6	355.4	817.9	2198.9	4425.7	4528.4	1059.8	430.4	486.0	355.4
85°	98.5	100.6	364.0	820.0	1094.1	1115.5	297.6	167.0	278.3	220.5
87.5°	10.7	34.3	137.0	137.0	96.3	94.2	32.1	36.4	79.2	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943288

CATALOG NUMBER: GALN-SB7C-940-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4235.1	0°	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1	4235.1
4254.4	2.5°	4243.7	4245.8	4218.0	4170.9	4119.5	4076.7	4023.1	3980.3	3950.3	3941.8
4292.9	5°	4273.6	4258.7	4179.4	4036.0	3864.7	3717.0	3552.1	3421.5	3335.8	3299.4
4333.6	7.5°	4318.6	4275.8	4102.4	3819.7	3492.1	3200.9	2905.5	2676.4	2530.8	2458.0
4372.1	10°	4357.1	4271.5	3973.9	3507.1	3006.1	2565.0	2166.8	1890.6	1736.4	1663.6
4417.1	12.5°	4393.5	4269.4	3806.9	3136.7	2458.0	1918.4	1548.0	1411.0	1368.2	1353.2
4489.9	15°	4462.1	4275.8	3597.1	2712.8	1912.0	1449.5	1314.6	1312.5	1321.1	1316.8
4601.2	17.5°	4556.3	4282.2	3359.4	2263.1	1475.2	1278.2	1271.8	1291.1	1303.9	1297.5
4740.4	20°	4678.3	4307.9	3106.7	1817.8	1267.5	1235.4	1250.4	1267.5	1278.2	1267.5
4926.7	22.5°	4849.6	4352.9	2830.5	1460.2	1201.2	1209.7	1222.6	1241.8	1252.5	1237.6
5164.3	25°	5059.4	4423.5	2558.6	1269.7	1169.0	1179.7	1199.0	1220.4	1233.3	1218.3
5464.1	27.5°	5331.3	4537.0	2308.1	1226.9	1136.9	1143.3	1171.2	1203.3	1220.4	1201.2
5890.2	30°	5725.3	4723.3	2091.9	1246.1	1117.7	1102.7	1141.2	1186.2	1205.4	1188.3
6470.4	32.5°	6247.7	4986.6	1959.1	1276.1	1109.1	1055.6	1092.0	1149.8	1181.9	1171.2
7228.4	35°	6932.9	5387.0	1907.7	1310.4	1102.7	1006.3	1032.0	1094.1	1149.8	1160.5
8183.3	37.5°	7763.6	5943.7	1922.7	1325.3	1083.4	965.6	978.5	1032.0	1104.8	1139.1
9258.1	40°	8707.9	6592.5	2008.4	1310.4	1062.0	931.4	933.5	974.2	1038.4	1089.8
10414.3	42.5°	9682.1	7350.4	2166.8	1254.7	1042.7	901.4	895.0	922.8	965.6	1002.0
11568.4	45°	10609.2	8129.8	2323.1	1177.6	1019.2	871.4	856.4	867.1	875.7	890.7
12692.5	47.5°	11418.5	8677.9	2278.1	1107.0	987.0	837.2	811.5	807.2	781.5	779.4
13696.6	50°	11977.3	8797.8	2023.3	1036.3	939.9	798.6	758.0	732.3	687.3	665.9
14448.2	52.5°	12155.0	8324.6	1652.9	965.6	862.9	747.2	689.4	648.8	593.1	573.8
14880.7	55°	11919.5	7397.5	1321.1	880.0	755.8	678.7	614.5	561.0	516.0	492.5
14927.8	57.5°	11343.6	6217.8	1044.9	779.4	642.3	601.7	537.4	483.9	445.3	421.8
14405.3	60°	10388.6	4937.4	826.5	659.5	548.1	518.1	451.8	417.5	383.3	355.4
13056.4	62.5°	8939.1	3524.3	648.8	522.4	458.2	423.9	385.4	359.7	319.0	280.5
10630.6	65°	6975.7	2156.1	501.0	383.3	368.3	351.1	327.6	304.0	254.8	216.3
6935.0	67.5°	4400.0	1021.3	357.6	289.0	291.2	282.6	271.9	252.7	216.3	182.0
3106.7	70°	1937.7	494.6	235.5	220.5	216.3	216.3	224.8	218.4	184.1	152.0
1079.1	72.5°	659.5	265.5	175.6	167.0	156.3	154.2	188.4	182.0	147.7	117.8
537.4	75°	344.7	177.7	128.5	119.9	94.2	113.5	149.9	141.3	104.9	77.1
355.4	77.5°	224.8	126.3	87.8	77.1	53.5	74.9	111.3	98.5	62.1	38.5
233.4	80°	141.3	83.5	51.4	36.4	25.7	40.7	60.0	42.8	23.6	8.6
137.0	82.5°	74.9	42.8	19.3	12.8	10.7	12.8	15.0	10.7	4.3	0.0
70.7	85°	30.0	15.0	6.4	4.3	2.1	0.0	4.3	2.1	0.0	0.0
12.8	87.5°	10.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°  
4235.1  
3956.8  
3312.3  
2468.7  
1665.8  
1348.9  
1314.6  
1295.4  
1265.4  
1235.4  
1216.1  
1201.2  
1186.2  
1171.2  
1160.5  
1147.6  
1107.0  
1017.0  
899.3  
777.2  
668.0  
571.7  
492.5  
417.5  
349.0  
274.1  
209.8  
177.7  
145.6  
*111.3*  
70.7  
34.3  
6.4  
0.0  
0.0  
0.0  
0.0

F REPORT)