

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: P954446

Luminaire Tested: **GALN-SB7C-940-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
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-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29729 lumens
Efficiency: N/A
Efficacy: 84.8 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

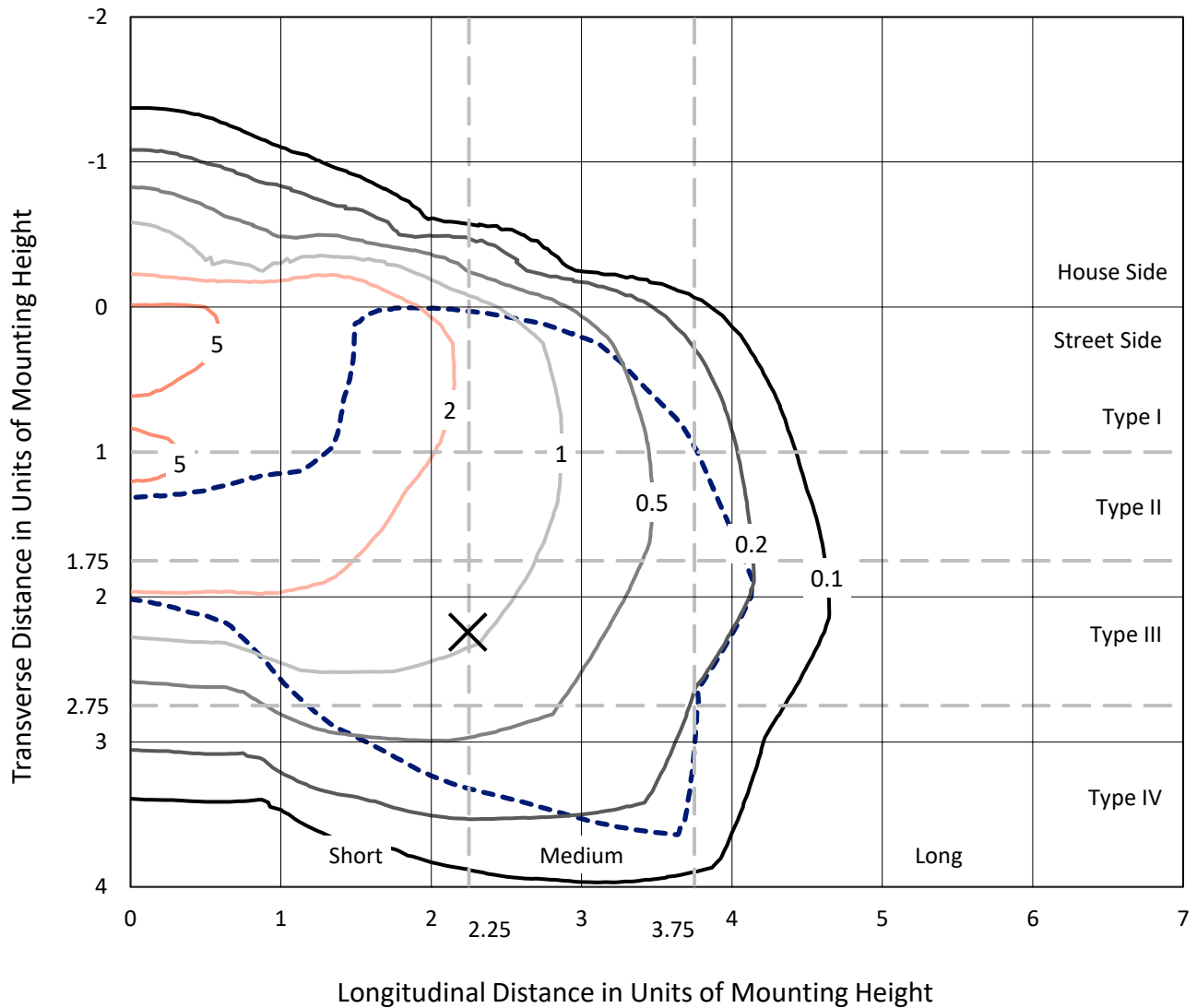
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954446
 CATALOG NUMBER: GALN-SB7C-940-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

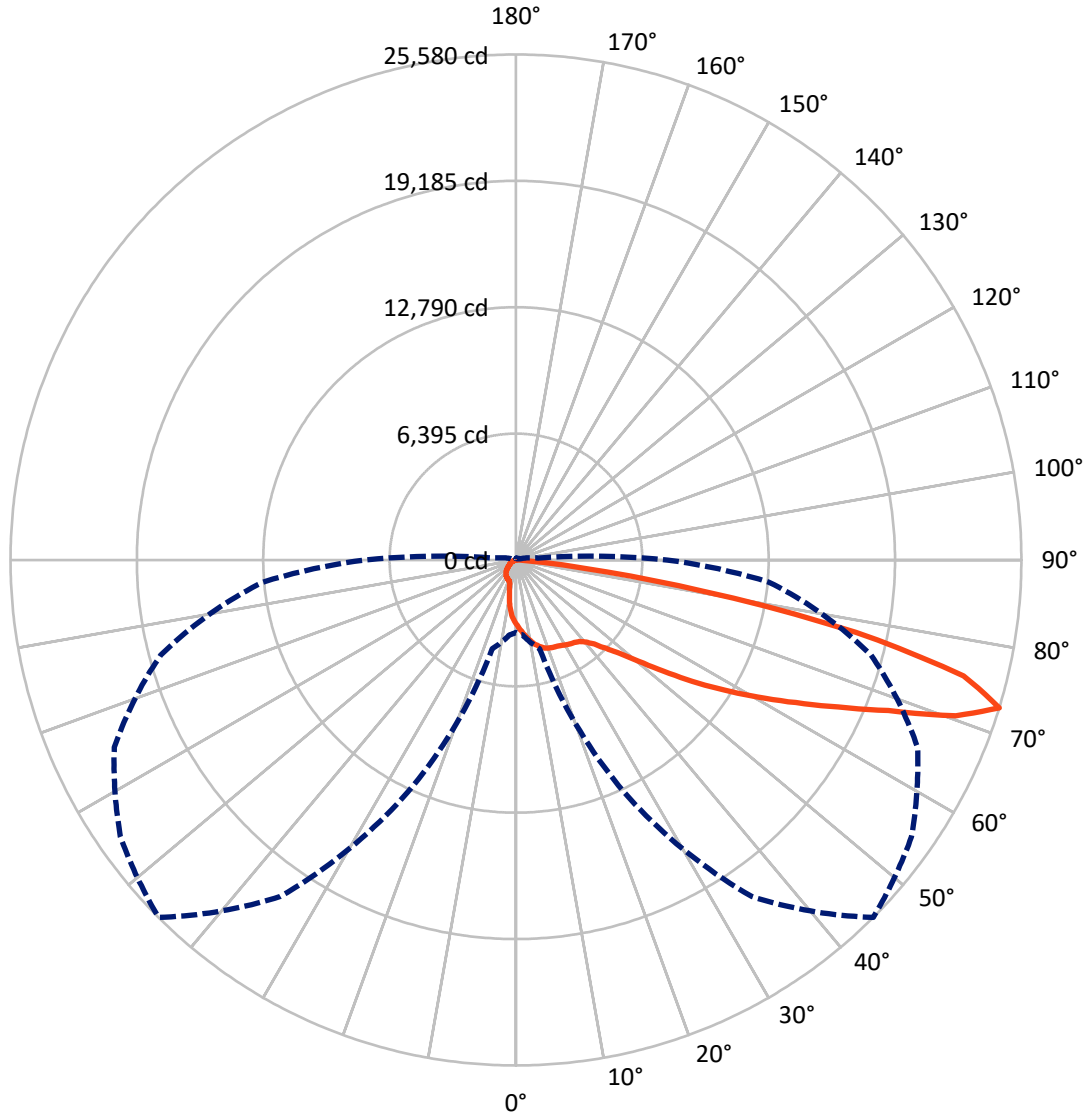
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P954446
CATALOG NUMBER: GALN-SB7C-940-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P954446
 CATALOG NUMBER: GALN-SB7C-940-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3123.7	0.0	3123.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	26605.3	0.0	26605.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	29729.0	0.0	29729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.9	1.0
10°-20°	896.8	3.0
20°-30°	1472.7	5.0
30°-40°	2088.7	7.0
40°-50°	3452.4	11.6
50°-60°	6201.8	20.9
60°-70°	8611.5	29.0
70°-80°	6246.6	21.0
80°-90°	451.6	1.5
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°	29729.0	100.0
0°-180°	29729.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954446

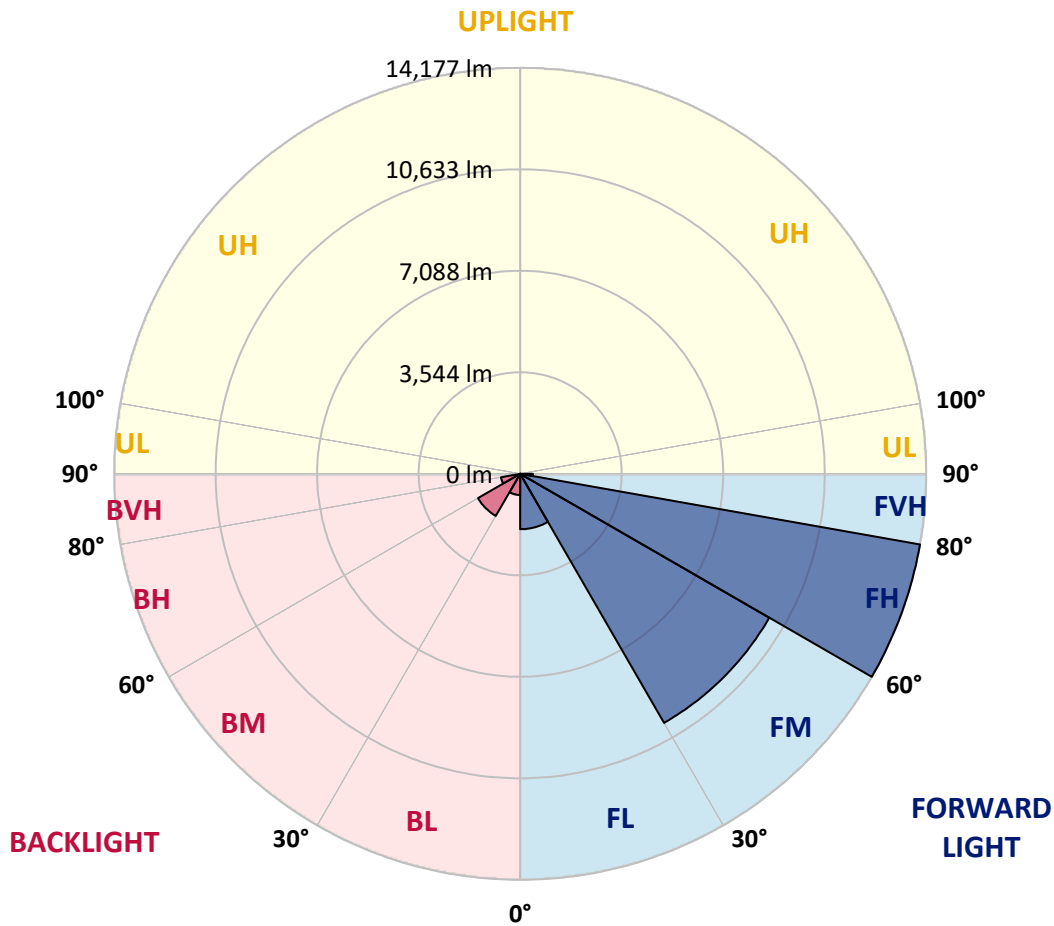
CATALOG NUMBER: GALN-SB7C-940-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1936.5	6.5			
FM (30°-60°)	10044.0	33.8			
FH (60°-80°)	14176.9	47.7			G5
FVH (80°-90°)	447.8	1.5			G3/500
BL (0°-30°)	739.9	2.5	B2/1000		
BM (30°-60°)	1698.8	5.7	B2/2500		
BH (60°-80°)	681.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.8	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: P954446

CATALOG NUMBER: GALN-SB7C-940-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9
2.5°	3557.2	3563.3	3559.2	3534.9	3494.3	3472.0	3459.8	3419.2	3392.8	3346.2
5°	3883.9	3908.3	3894.0	3845.3	3768.2	3713.4	3697.2	3614.0	3538.9	3451.7
7.5°	4230.9	4243.1	4216.7	4153.8	4050.3	3957.0	3942.7	3827.1	3707.4	3573.4
10°	4531.2	4545.4	4504.8	4413.5	4295.8	4180.2	4159.9	4032.0	3890.0	3725.6
12.5°	4782.8	4797.0	4744.3	4634.7	4504.8	4385.1	4364.8	4230.9	4074.6	3892.0
15°	4973.6	5000.0	4928.9	4811.2	4671.2	4551.5	4541.4	4409.5	4257.3	4054.4
17.5°	5085.2	5111.6	5044.6	4902.6	4782.8	4681.4	4669.2	4559.6	4417.6	4222.8
20°	5103.5	5127.8	5056.8	4933.0	4833.6	4752.4	4746.3	4667.2	4563.7	4377.0
22.5°	5048.7	5079.1	5014.2	4914.7	4845.7	4803.1	4795.0	4750.4	4691.5	4533.2
25°	4991.8	5016.2	4967.5	4880.2	4843.7	4839.7	4845.7	4837.6	4825.5	4691.5
27.5°	4987.8	5014.2	4959.4	4876.2	4855.9	4898.5	4904.6	4943.1	4953.3	4835.6
30°	5022.3	5040.5	4987.8	4900.5	4890.4	4987.8	4989.8	5058.8	5075.0	4957.3
32.5°	5097.4	5117.7	5064.9	4937.1	4922.9	5058.8	5064.9	5156.2	5182.6	5087.2
35°	5273.9	5298.3	5237.4	5038.5	4987.8	5125.8	5144.0	5251.6	5304.3	5225.2
37.5°	5714.2	5643.2	5560.0	5243.5	5135.9	5231.3	5261.7	5387.5	5480.9	5389.6
40°	6808.0	6584.8	6325.0	5592.5	5395.7	5456.5	5480.9	5606.7	5734.5	5645.3
42.5°	8449.6	8185.8	7767.8	6396.1	5787.3	5817.7	5836.0	5945.6	6126.2	6055.1
45°	9912.7	9817.3	9391.2	7767.8	6519.8	6369.7	6392.0	6448.8	6714.6	6688.3
47.5°	11036.8	10982.1	10653.3	9342.5	7757.7	7045.4	7108.3	7134.7	7518.2	7611.6
50°	11901.3	11881.0	11586.8	10742.6	9374.9	8041.7	8064.1	8007.2	8581.5	8812.8
52.5°	12717.0	12786.0	12568.9	12043.3	11101.8	9346.5	9342.5	9074.6	9849.8	10198.8
55°	13453.6	13478.0	13500.3	13370.4	12838.8	10831.9	10793.3	10355.0	11320.9	11682.1
57.5°	14145.6	14155.7	14354.6	14620.4	14646.8	12426.9	12355.8	11830.3	12928.1	13185.8
60°	14610.3	14657.0	15077.0	15815.6	16138.3	14072.5	14034.0	13498.3	14563.6	14683.3
62.5°	13940.6	14224.7	15284.0	16749.1	17546.5	15896.8	15878.5	15375.3	16284.4	16187.0
65°	11284.4	11765.3	13628.1	17380.1	18928.4	17934.1	17960.5	17424.8	18051.8	17735.3
67.5°	7893.6	8400.9	10604.6	17430.9	20472.7	20326.6	20478.7	19638.7	19928.8	19218.6
70°	5458.6	5720.3	7155.0	16339.2	21676.0	23622.0	23617.9	22357.8	21795.7	19894.3
72.5°	3670.8	3806.8	4646.9	12962.6	20791.2	25580.2	25462.5	24435.7	22424.8	18605.8
75°	1548.3	1647.7	2151.0	7284.8	16448.7	23402.8	23084.2	21594.8	19924.8	14650.9
77.5°	491.1	533.7	848.2	2607.5	9060.4	17591.2	17254.3	13486.1	13354.2	7349.8
80°	233.4	271.9	476.9	1047.1	3565.3	9567.7	9521.0	6118.1	5744.7	1984.6
82.5°	101.5	119.7	263.8	560.1	1595.0	3413.1	3482.1	2082.0	1722.8	752.8
85°	32.5	42.6	121.8	257.7	673.7	848.2	838.1	495.1	694.0	409.9
87.5°	0.0	0.0	40.6	58.8	69.0	48.7	54.8	42.6	192.8	113.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954446

CATALOG NUMBER: GALN-SB7C-940-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3256.9	0°	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9	3256.9
3297.5	2.5°	3273.1	3240.6	3183.8	3131.1	3084.4	3037.7	3009.3	2968.7	2964.7	2964.7
3350.2	5°	3295.4	3242.7	3141.2	3033.7	2909.9	2792.2	2674.5	2560.9	2524.3	2498.0
3435.4	7.5°	3360.4	3277.2	3116.9	2911.9	2676.5	2418.8	2238.2	2043.4	1968.3	1927.7
3549.1	10°	3453.7	3340.1	3096.6	2737.4	2355.9	2004.9	1747.1	1536.1	1454.9	1420.4
3672.9	12.5°	3557.2	3417.2	3060.0	2520.3	2004.9	1584.8	1333.2	1235.8	1223.6	1223.6
3821.0	15°	3681.0	3510.5	2997.1	2264.6	1637.6	1254.0	1164.8	1168.8	1181.0	1189.1
3965.1	17.5°	3808.8	3610.0	2897.7	1978.5	1312.9	1128.2	1130.3	1136.4	1146.5	1154.6
4121.3	20°	3946.8	3709.4	2765.8	1674.1	1126.2	1091.7	1097.8	1103.9	1112.0	1116.1
4267.4	22.5°	4094.9	3802.7	2609.6	1375.8	1063.3	1061.3	1063.3	1069.4	1079.5	1079.5
4437.9	25°	4253.2	3906.2	2431.0	1158.7	1030.8	1030.8	1034.9	1039.0	1047.1	1047.1
4602.2	27.5°	4415.6	4001.6	2242.3	1045.0	1002.4	1000.4	1000.4	1006.5	1010.5	1012.6
4764.6	30°	4594.1	4113.2	2053.6	1020.7	980.1	970.0	963.9	967.9	972.0	974.0
4935.0	32.5°	4776.8	4220.7	1885.1	1030.8	957.8	939.5	919.2	915.2	915.2	923.3
5111.6	35°	4979.7	4338.4	1755.3	1065.3	945.6	894.9	862.4	844.1	846.2	858.4
5322.6	37.5°	5223.2	4480.5	1659.9	1095.8	937.5	844.1	791.4	769.1	754.9	769.1
5612.8	40°	5541.8	4689.5	1590.9	1120.1	927.3	785.3	714.3	677.8	651.4	659.5
6063.3	42.5°	6010.5	5018.2	1564.5	1122.2	905.0	716.3	635.1	586.4	547.9	549.9
6741.0	45°	6668.0	5537.7	1700.5	1095.8	856.3	641.2	551.9	487.0	462.7	456.6
7753.6	47.5°	7568.9	6294.6	2015.0	1041.0	785.3	568.2	470.8	416.0	397.7	387.6
9082.7	50°	8776.3	7266.6	2364.0	980.1	714.3	499.2	403.8	369.3	357.1	347.0
10659.4	52.5°	10176.5	8252.8	2650.1	919.2	643.3	438.3	361.2	340.9	330.8	322.6
12181.3	55°	11461.0	8932.6	2633.9	854.3	574.3	389.6	330.8	318.6	306.4	298.3
13492.2	57.5°	12260.5	9027.9	2171.3	783.3	495.1	351.1	302.4	294.2	280.0	269.9
14626.5	60°	12627.7	8484.1	1521.9	689.9	416.0	314.5	271.9	267.9	249.6	235.4
15700.0	62.5°	12694.7	7473.6	1014.6	574.3	347.0	280.0	241.5	235.4	211.0	186.7
16572.5	65°	12422.8	6028.8	702.1	448.5	296.3	243.5	207.0	194.8	168.4	144.1
16779.5	67.5°	11562.4	4232.9	489.0	322.6	251.6	192.8	164.4	160.3	140.0	119.7
15724.3	70°	9985.7	2412.7	326.7	241.5	198.9	131.9	129.9	133.9	113.6	97.4
12846.9	72.5°	7656.2	1103.9	202.9	176.5	136.0	89.3	103.5	105.5	87.3	73.1
8015.4	75°	4506.9	472.8	127.8	113.6	69.0	58.8	75.1	77.1	58.8	46.7
2930.2	77.5°	1534.1	178.6	81.2	67.0	34.5	32.5	48.7	48.7	32.5	18.3
588.5	80°	349.0	67.0	40.6	26.4	16.2	14.2	16.2	14.2	8.1	2.0
180.6	82.5°	99.4	26.4	16.2	10.1	6.1	6.1	2.0	0.0	0.0	0.0
62.9	85°	28.4	12.2	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
22.3	87.5°	12.2	2.0	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

<u>180°</u>
3256.9
2974.8
2510.1
1933.8
1420.4
1223.6
1189.1
1154.6
1118.1
1083.6
1049.1
1014.6
978.1
929.4
864.4
765.0
655.4
541.8
448.5
381.5
345.0
320.6
294.2
267.9
231.3
174.5
136.0
113.6
89.3
64.9
40.6
14.2
0.0
0.0
0.0
0.0
0.0

F REPORT)