

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: P953375

Luminaire Tested: **GALN-SB6D-940-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953375
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-SB6D-940-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA 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: 34444 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

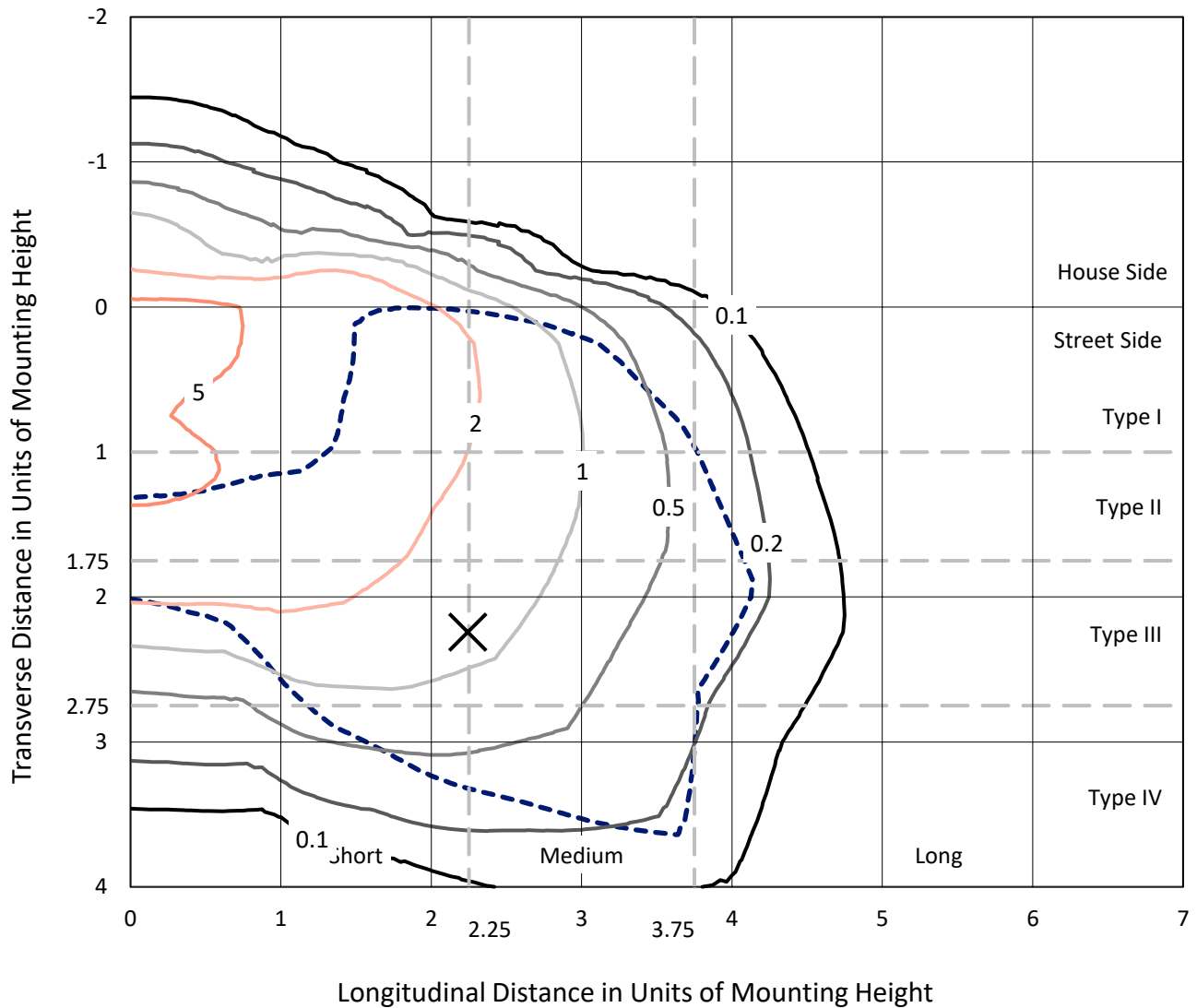
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953375
 CATALOG NUMBER: GALN-SB6D-940-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

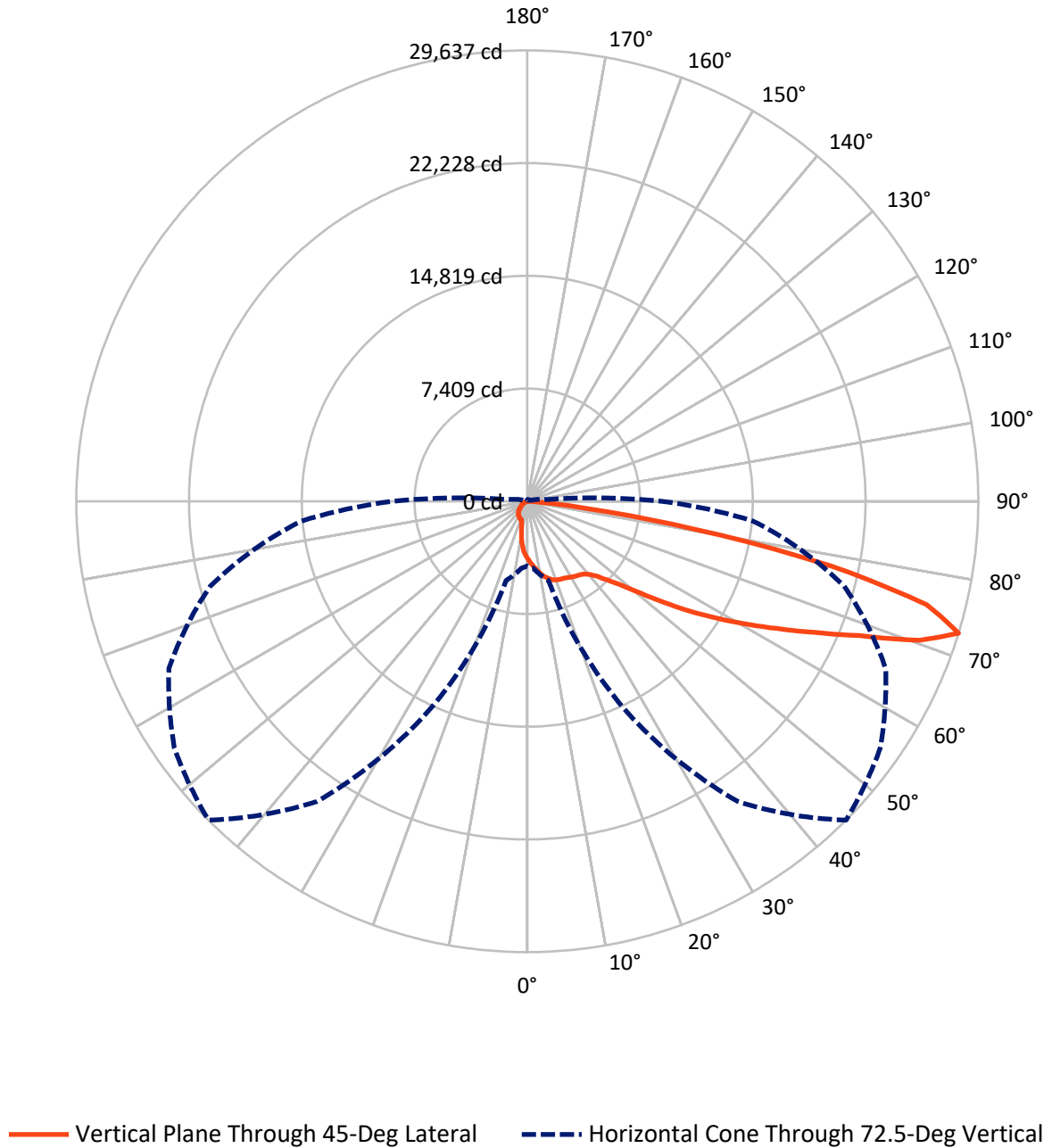
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P953375
CATALOG NUMBER: GALN-SB6D-940-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953375
 CATALOG NUMBER: GALN-SB6D-940-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3619.1	0.0	3619.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	30824.9	0.0	30824.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	34444.0	0.0	34444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	1.0
10°-20°	1039.1	3.0
20°-30°	1706.3	5.0
30°-40°	2419.9	7.0
40°-50°	3999.9	11.6
50°-60°	7185.4	20.9
60°-70°	9977.3	29.0
70°-80°	7237.2	21.0
80°-90°	523.2	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°	34444.0	100.0
0°-180°	34444.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953375

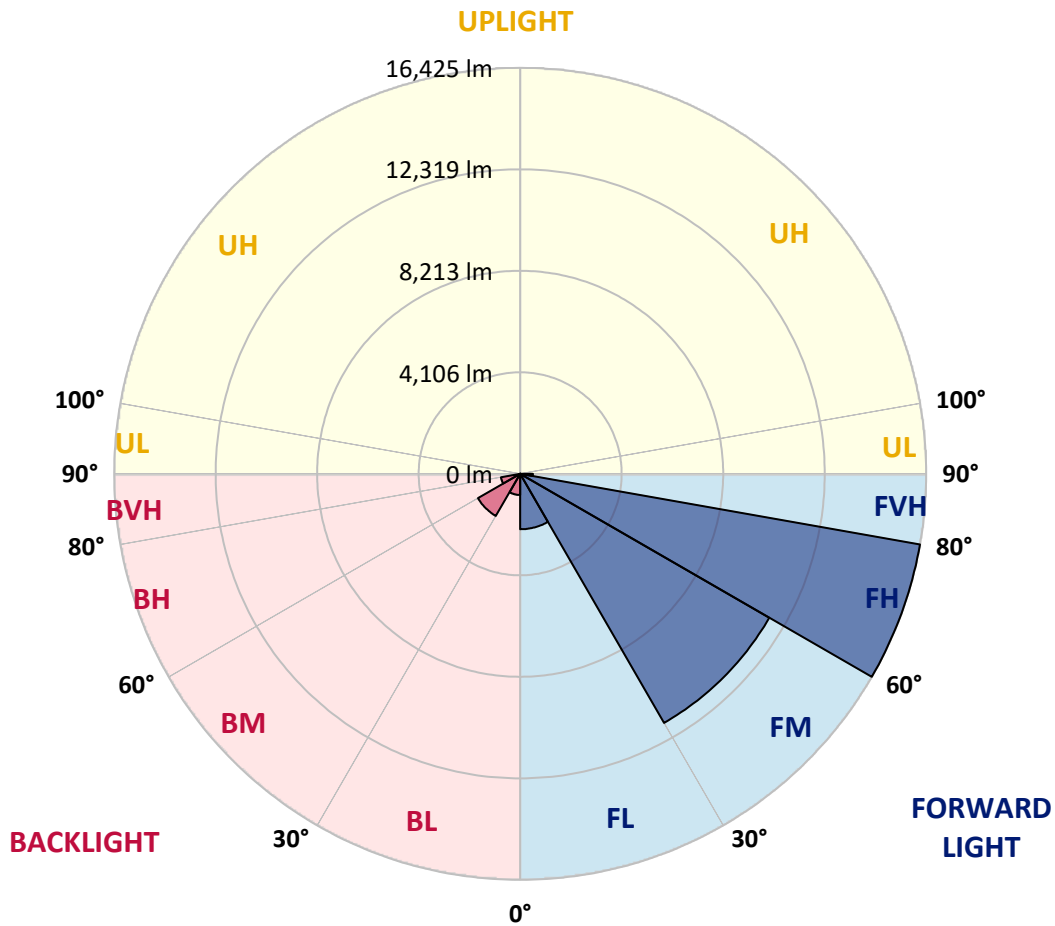
CATALOG NUMBER: GALN-SB6D-940-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2243.7	6.5			
FM (30°-60°)	11637.0	33.8			
FH (60°-80°)	16425.4	47.7			G5
FVH (80°-90°)	518.8	1.5			G4/750
BL (0°-30°)	857.2	2.5	B2/1000		
BM (30°-60°)	1968.3	5.7	B2/2500		
BH (60°-80°)	789.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.4	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: P953375
 CATALOG NUMBER: GALN-SB6D-940-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4
2.5°	4121.4	4128.4	4123.7	4095.5	4048.5	4022.6	4008.5	3961.5	3930.9	3876.9
5°	4499.9	4528.1	4511.6	4455.2	4365.9	4302.4	4283.6	4187.2	4100.2	3999.1
7.5°	4901.9	4916.0	4885.5	4812.6	4692.7	4584.5	4568.1	4434.1	4295.3	4140.2
10°	5249.9	5266.3	5219.3	5113.5	4977.1	4843.1	4819.6	4671.5	4506.9	4316.5
12.5°	5541.4	5557.9	5496.7	5369.8	5219.3	5080.6	5057.1	4901.9	4720.9	4509.3
15°	5762.4	5793.0	5710.7	5574.3	5412.1	5273.4	5261.6	5108.8	4932.5	4697.4
17.5°	5891.7	5922.3	5844.7	5680.1	5541.4	5423.8	5409.7	5282.8	5118.2	4892.5
20°	5912.9	5941.1	5858.8	5715.4	5600.2	5506.1	5499.1	5407.4	5287.5	5071.2
22.5°	5849.4	5884.6	5809.4	5694.2	5614.3	5564.9	5555.5	5503.8	5435.6	5252.2
25°	5783.5	5811.8	5755.3	5654.2	5611.9	5607.2	5614.3	5604.9	5590.8	5435.6
27.5°	5778.8	5809.4	5745.9	5649.5	5626.0	5675.4	5682.5	5727.1	5738.9	5602.5
30°	5818.8	5840.0	5778.8	5677.8	5666.0	5778.8	5781.2	5861.1	5879.9	5743.6
32.5°	5905.8	5929.3	5868.2	5720.1	5703.6	5861.1	5868.2	5974.0	6004.5	5894.0
35°	6110.3	6138.6	6068.0	5837.6	5778.8	5938.7	5959.9	6084.5	6145.6	6053.9
37.5°	6620.5	6538.2	6441.8	6075.1	5950.5	6061.0	6096.2	6242.0	6350.1	6244.4
40°	7887.7	7629.1	7328.2	6479.5	6251.4	6321.9	6350.1	6495.9	6644.0	6540.6
42.5°	9789.7	9484.1	8999.8	7410.5	6705.2	6740.4	6761.6	6888.5	7097.8	7015.5
45°	11484.8	11374.3	10880.6	8999.8	7553.9	7379.9	7405.8	7471.6	7779.6	7749.0
47.5°	12787.3	12723.8	12342.9	10824.2	8988.0	8162.8	8235.7	8266.2	8710.6	8818.7
50°	13788.8	13765.3	13424.4	12446.4	10861.8	9317.2	9343.0	9277.2	9942.5	10210.6
52.5°	14733.9	14813.9	14562.3	13953.4	12862.5	10828.9	10824.2	10513.8	11411.9	11816.3
55°	15587.4	15615.6	15641.4	15491.0	14875.0	12549.8	12505.2	11997.3	13116.4	13534.9
57.5°	16389.1	16400.8	16631.2	16939.2	16969.8	14397.7	14315.5	13706.5	14978.5	15277.0
60°	16927.5	16981.5	17468.2	18324.0	18697.8	16304.4	16259.8	15639.1	16873.4	17012.1
62.5°	16151.6	16480.8	17708.0	19405.5	20329.4	18418.0	18396.9	17813.8	18867.1	18754.2
65°	13074.1	13631.3	15789.6	20136.6	21930.5	20778.5	20809.0	20188.3	20914.8	20548.1
67.5°	9145.5	9733.3	12286.5	20195.4	23719.6	23550.3	23726.7	22753.3	23089.5	22266.7
70°	6324.3	6627.6	8289.8	18930.5	25113.8	27368.4	27363.7	25903.7	25252.5	23049.6
72.5°	4253.0	4410.5	5383.9	15018.4	24088.7	29637.2	29500.8	28311.2	25981.3	21556.7
75°	1793.8	1909.0	2492.1	8440.2	19057.5	27114.5	26745.4	25019.7	23084.8	16974.5
77.5°	569.0	618.3	982.7	3021.1	10497.4	20381.1	19990.9	15625.0	15472.2	8515.5
80°	270.4	315.0	552.5	1213.1	4130.8	11085.1	11031.1	7088.4	6655.8	2299.3
82.5°	117.6	138.7	305.6	648.9	1847.9	3954.4	4034.4	2412.2	1996.0	872.2
85°	37.6	49.4	141.1	298.6	780.5	982.7	971.0	573.7	804.1	474.9
87.5°	0.0	0.0	47.0	68.2	79.9	56.4	63.5	49.4	223.3	131.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953375
 CATALOG NUMBER: GALN-SB6D-940-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3773.4	0°	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4	3773.4
3820.4	2.5°	3792.2	3754.6	3688.8	3627.6	3573.6	3519.5	3486.6	3439.6	3434.9	3434.9
3881.6	5°	3818.1	3757.0	3639.4	3514.8	3371.4	3235.0	3098.7	2967.0	2924.7	2894.1
3980.3	7.5°	3893.3	3796.9	3611.2	3373.7	3101.0	2802.4	2593.2	2367.5	2280.5	2233.5
4112.0	10°	4001.5	3869.8	3587.7	3171.5	2729.6	2322.8	2024.2	1779.7	1685.7	1645.7
4255.4	12.5°	4121.4	3959.1	3545.4	2920.0	2322.8	1836.2	1544.6	1431.8	1417.7	1417.7
4427.0	15°	4264.8	4067.3	3472.5	2623.8	1897.3	1452.9	1349.5	1354.2	1368.3	1377.7
4593.9	17.5°	4412.9	4182.5	3357.3	2292.3	1521.1	1307.2	1309.5	1316.6	1328.3	1337.7
4775.0	20°	4572.8	4297.7	3204.5	1939.6	1304.8	1264.9	1271.9	1279.0	1288.4	1293.1
4944.2	22.5°	4744.4	4405.8	3023.4	1594.0	1231.9	1229.6	1231.9	1239.0	1250.8	1250.8
5141.7	25°	4927.8	4525.7	2816.5	1342.4	1194.3	1194.3	1199.0	1203.7	1213.1	1213.1
5332.2	27.5°	5115.9	4636.2	2597.9	1210.8	1161.4	1159.1	1159.1	1166.1	1170.8	1173.2
5520.2	30°	5322.7	4765.6	2379.2	1182.6	1135.6	1123.8	1116.7	1121.4	1126.1	1128.5
5717.7	32.5°	5534.3	4890.2	2184.1	1194.3	1109.7	1088.5	1065.0	1060.3	1060.3	1069.7
5922.3	35°	5769.4	5026.5	2033.6	1234.3	1095.6	1036.8	999.2	978.0	980.4	994.5
6166.8	37.5°	6051.6	5191.1	1923.1	1269.6	1086.2	978.0	916.9	891.0	874.6	891.0
6503.0	40°	6420.7	5433.2	1843.2	1297.8	1074.4	909.9	827.6	785.2	754.7	764.1
7024.9	42.5°	6963.8	5814.1	1812.6	1300.1	1048.6	829.9	735.9	679.4	634.8	637.1
7810.1	45°	7725.5	6416.0	1970.2	1269.6	992.1	742.9	639.5	564.2	536.0	529.0
8983.3	47.5°	8769.4	7292.9	2334.6	1206.1	909.9	658.3	545.4	482.0	460.8	449.0
10523.2	50°	10168.2	8419.1	2739.0	1135.6	827.6	578.4	467.9	427.9	413.8	402.0
12350.0	52.5°	11790.4	9561.7	3070.5	1065.0	745.3	507.8	418.5	395.0	383.2	373.8
14113.3	55°	13278.7	10349.3	3051.6	989.8	665.3	451.4	383.2	369.1	355.0	345.6
15632.0	57.5°	14205.0	10459.8	2515.6	907.5	573.7	406.7	350.3	340.9	324.4	312.7
16946.3	60°	14630.5	9829.7	1763.3	799.4	482.0	364.4	315.0	310.3	289.2	272.7
18190.0	62.5°	14708.1	8658.9	1175.5	665.3	402.0	324.4	279.8	272.7	244.5	216.3
19200.9	65°	14393.0	6984.9	813.5	519.6	343.3	282.1	239.8	225.7	195.1	166.9
19440.7	67.5°	13396.2	4904.3	566.6	373.8	291.5	223.3	190.4	185.7	162.2	138.7
18218.2	70°	11569.5	2795.4	378.5	279.8	230.4	152.8	150.5	155.2	131.7	112.8
14884.4	72.5°	8870.5	1279.0	235.1	204.5	157.5	103.4	119.9	122.3	101.1	84.6
9286.6	75°	5221.7	547.8	148.1	131.7	79.9	68.2	87.0	89.3	68.2	54.1
3394.9	77.5°	1777.4	206.9	94.0	77.6	40.0	37.6	56.4	56.4	37.6	21.2
681.8	80°	404.4	77.6	47.0	30.6	18.8	16.5	18.8	16.5	9.4	2.4
209.2	82.5°	115.2	30.6	18.8	11.8	7.1	7.1	2.4	0.0	0.0	0.0
72.9	85°	32.9	14.1	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
25.9	87.5°	14.1	2.4	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°
3773.4
3446.6
2908.2
2240.5
1645.7
1417.7
1377.7
1337.7
1295.4
1255.5
1215.5
1175.5
1133.2
1076.8
1001.5
886.3
759.4
627.7
519.6
442.0
399.7
371.5
340.9
310.3
268.0
202.2
157.5
131.7
103.4
75.2
47.0
16.5
0.0
0.0
0.0
0.0
0.0

F REPORT)