

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: P942776

Luminaire Tested: **GALN-SB6D-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
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-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35070 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

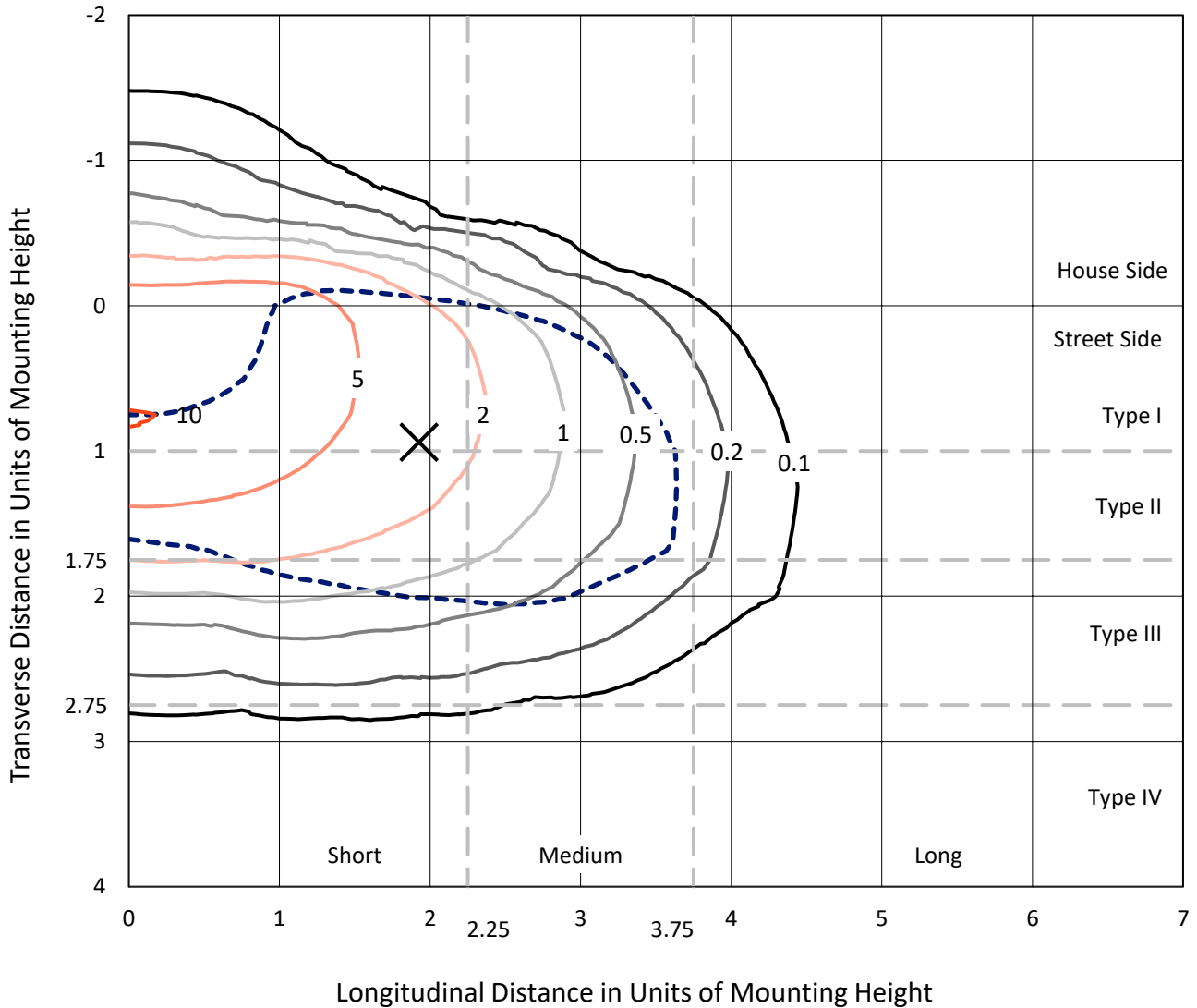
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942776
 CATALOG NUMBER: GALN-SB6D-940-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

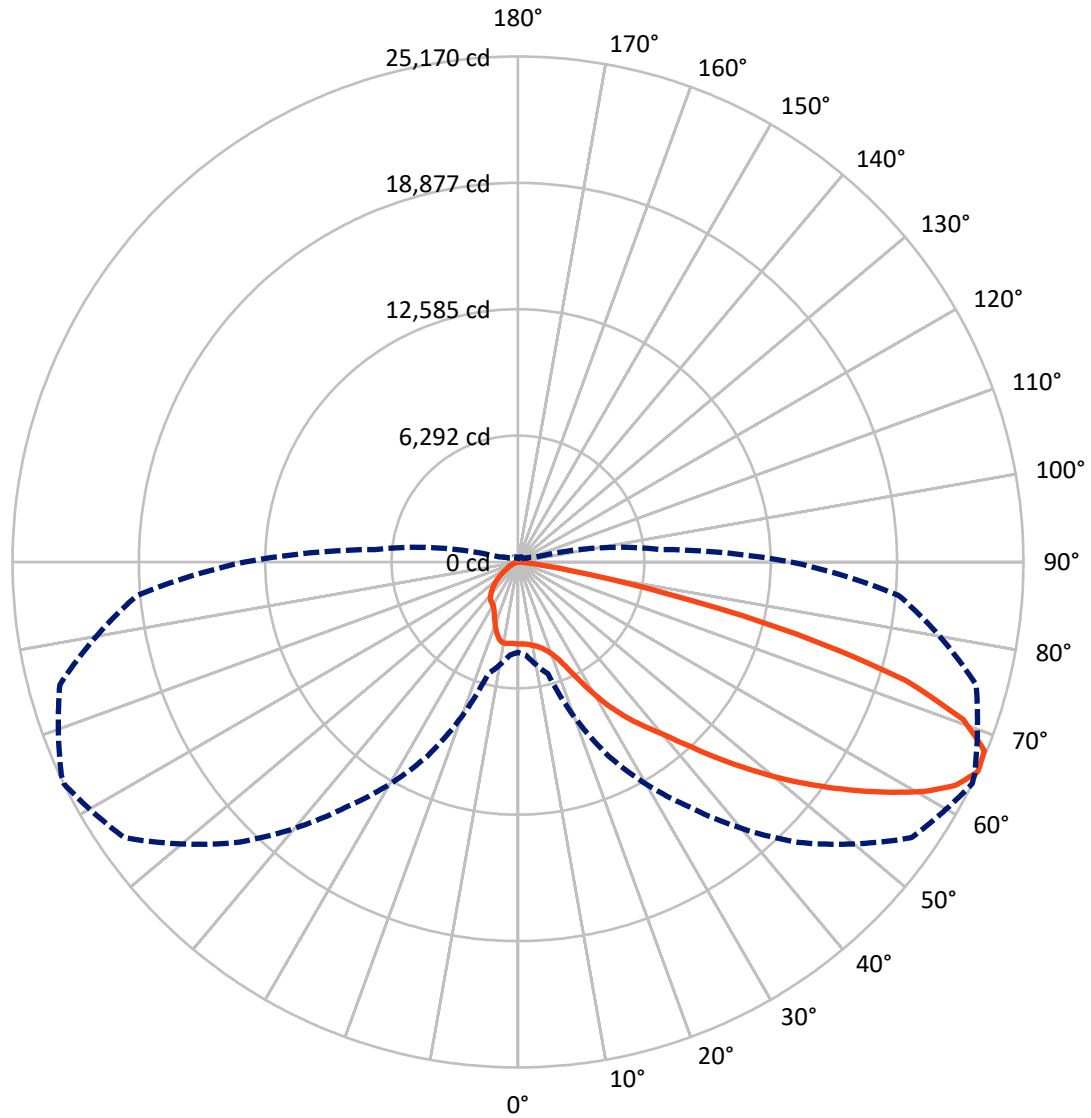
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Short - N/A

REPORT NUMBER: P942776
CATALOG NUMBER: GALN-SB6D-940-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P942776

CATALOG NUMBER: GALN-SB6D-940-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4689.9	0.0	4689.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	30380.1	0.0	30380.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	35070.0	0.0	35070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.3	1.1
10°-20°	1020.7	2.9
20°-30°	1934.2	5.5
30°-40°	3913.8	11.2
40°-50°	6667.2	19.0
50°-60°	9066.9	25.9
60°-70°	8514.3	24.3
70°-80°	3411.2	9.7
80°-90°	165.3	0.5
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°	35070.0	100.0
0°-180°	35070.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942776

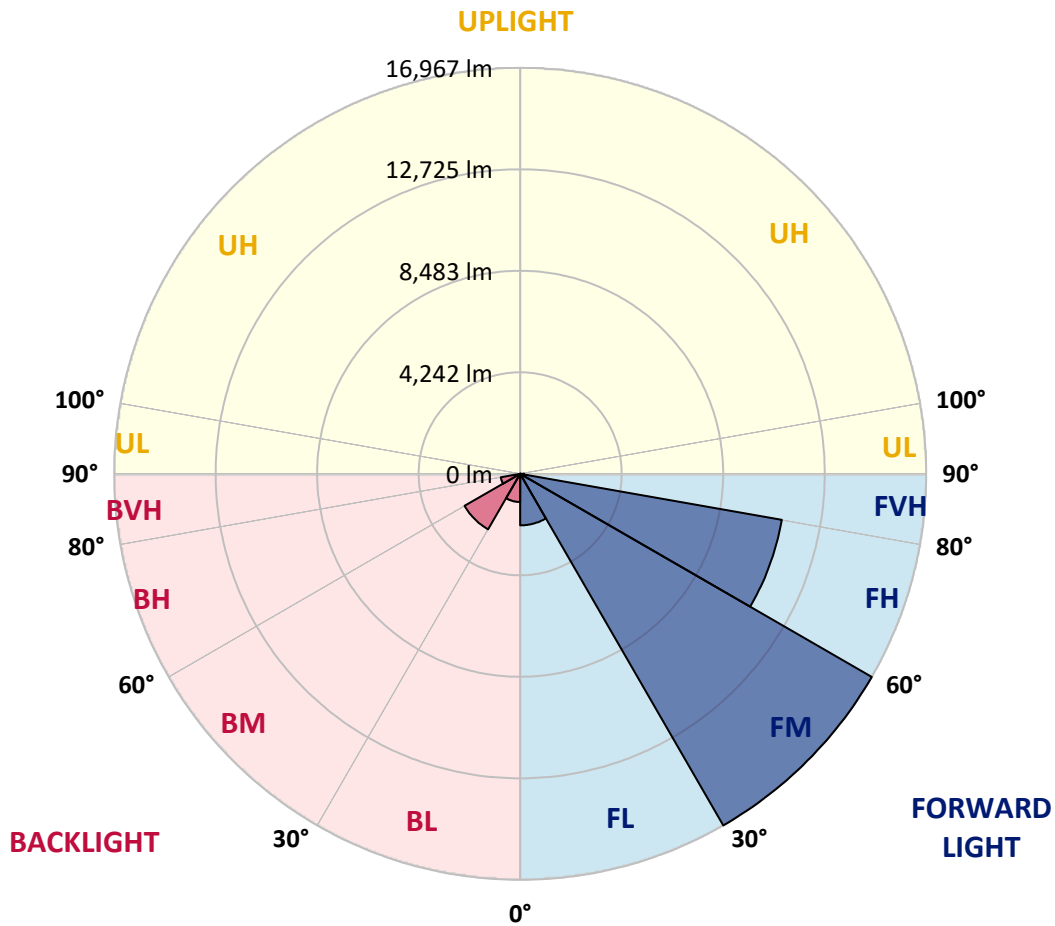
CATALOG NUMBER: GALN-SB6D-940-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2153.7	6.1			
FM (30°-60°)	16966.8	48.4			
FH (60°-80°)	11102.4	31.7			G4/12000
FVH (80°-90°)	157.2	0.4			G2/225
BL (0°-30°)	1177.5	3.4	B3/2500		
BM (30°-60°)	2681.2	7.6	B3/5000		
BH (60°-80°)	823.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.1	0.0			G0/10
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: P942776

CATALOG NUMBER: GALN-SB6D-940-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0
2.5°	4064.9	4093.1	4086.1	4079.0	4076.7	4081.4	4083.7	4081.4	4081.4	4081.4
5°	3987.3	4010.8	4010.8	4027.3	4050.8	4079.0	4100.2	4104.9	4109.6	4116.6
7.5°	3839.2	3858.0	3872.1	3926.2	3985.0	4060.2	4123.7	4156.6	4161.3	4187.2
10°	3738.1	3761.6	3785.1	3841.6	3926.2	4039.0	4147.2	4227.1	4238.9	4300.0
12.5°	3733.4	3756.9	3787.5	3848.6	3947.3	4067.3	4198.9	4314.1	4335.3	4424.6
15°	3782.8	3811.0	3839.2	3914.4	4020.2	4166.0	4307.1	4450.5	4471.6	4598.6
17.5°	3883.9	3921.5	3942.6	4017.9	4130.7	4292.9	4478.7	4643.2	4662.1	4810.2
20°	4083.7	4128.4	4135.4	4196.6	4307.1	4481.0	4702.0	4906.6	4930.1	5099.3
22.5°	4497.5	4561.0	4504.5	4535.1	4633.8	4807.8	5047.6	5306.2	5339.1	5531.9
25°	5226.3	5315.6	5169.9	5118.2	5160.5	5341.5	5642.4	5969.2	6006.8	6162.0
27.5°	6658.1	6542.9	6321.9	6105.6	5978.6	6082.1	6420.6	6825.0	6872.0	7022.5
30°	8230.9	8129.8	7831.2	7351.6	7050.7	7034.2	7346.9	7798.3	7852.4	7995.8
32.5°	9806.1	9709.7	9385.2	8795.1	8273.2	8014.6	8230.9	8731.7	8759.9	8851.6
35°	11355.4	11256.6	10932.2	10328.0	9686.2	9098.4	9056.1	9620.3	9629.7	9726.1
37.5°	12914.1	12831.8	12486.2	11893.8	11261.3	10450.2	10057.6	10462.0	10473.8	10567.8
40°	14026.1	14061.4	13823.9	13365.5	12822.4	11936.1	11181.4	11357.7	11287.2	11444.7
42.5°	14980.6	15051.2	14844.3	14613.9	14298.9	13518.3	12573.2	12542.6	12429.8	12514.4
45°	15805.9	15864.6	15678.9	15624.8	15617.8	15070.0	14094.3	13910.9	13753.4	13737.0
47.5°	16109.1	16222.0	16301.9	16482.9	16835.6	16605.2	15667.1	15382.7	15206.3	15077.0
50°	16224.3	16344.2	16617.0	17143.6	17978.2	18076.9	17232.9	16913.2	16696.9	16461.8
52.5°	16069.2	16283.1	16649.9	17536.2	18747.0	19257.1	18735.2	18455.4	18208.6	17825.4
55°	15154.6	15368.6	16118.5	17531.5	19130.2	20084.7	20155.2	20030.6	19753.2	19149.0
57.5°	13226.8	13544.2	14731.4	16934.3	19123.1	20797.0	21547.0	21636.4	21326.0	20460.9
60°	10556.0	10986.3	12434.5	15610.7	18533.0	21182.6	22767.2	23213.9	22884.7	21753.9
62.5°	7365.7	7864.1	9234.8	13537.1	17183.5	20905.2	23658.2	24483.4	24234.2	22910.6
65°	4492.8	4652.7	5757.6	10652.4	14889.0	19743.8	23933.3	25169.9	25087.6	23618.3
67.5°	2992.8	3126.8	3444.2	7304.6	11557.6	17423.3	23275.0	25050.0	25073.5	23503.1
70°	1803.2	1918.4	2125.3	4248.3	7490.3	13791.0	21236.7	23521.9	23658.2	21963.2
72.5°	742.9	820.5	1008.6	1925.5	3879.2	8752.8	16910.8	20195.2	20512.6	18467.2
75°	420.8	460.8	592.5	966.3	1683.3	4079.0	10243.4	14336.5	14804.3	12728.4
77.5°	279.8	298.6	383.2	625.4	947.5	1391.8	4377.6	7469.2	8362.5	6951.9
80°	188.1	204.5	263.3	418.5	616.0	597.2	1394.1	2767.1	3404.3	2388.6
82.5°	127.0	129.3	188.1	275.1	390.3	289.2	411.4	860.5	1081.5	691.2
85°	72.9	70.5	138.7	159.9	174.0	119.9	124.6	258.6	338.5	291.5
87.5°	9.4	14.1	54.1	42.3	23.5	25.9	25.9	44.7	65.8	70.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942776
 CATALOG NUMBER: GALN-SB6D-940-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4079.0	0°	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0	4079.0
4083.7	2.5°	4083.7	4081.4	4074.3	4067.3	4050.8	4041.4	4046.1	4041.4	4039.0	4041.4
4114.3	5°	4114.3	4107.2	4088.4	4064.9	4032.0	3992.0	3966.2	3928.5	3893.3	3872.1
4196.6	7.5°	4196.6	4189.5	4163.6	4097.8	3992.0	3825.1	3672.3	3538.3	3437.2	3378.4
4328.2	10°	4328.2	4316.5	4276.5	4130.7	3853.3	3488.9	3185.6	2934.1	2769.5	2691.9
4483.4	12.5°	4483.4	4469.3	4398.7	4100.2	3590.0	3021.0	2602.6	2322.8	2170.0	2101.8
4662.1	15°	4666.8	4647.9	4509.2	3954.4	3206.8	2503.8	2120.6	1911.4	1812.6	1751.5
4890.1	17.5°	4894.8	4861.9	4591.5	3735.8	2790.7	2108.9	1824.4	1666.9	1579.9	1521.1
5188.7	20°	5191.0	5137.0	4657.4	3474.8	2407.4	1859.7	1624.5	1492.9	1427.1	1375.3
5611.9	22.5°	5604.8	5527.2	4737.3	3192.7	2137.1	1688.0	1476.4	1380.0	1326.0	1267.2
6202.0	25°	6117.3	6025.6	4836.0	2931.7	1951.3	1539.9	1368.3	1288.4	1224.9	1156.7
6975.5	27.5°	6834.4	6669.8	4953.6	2717.8	1791.5	1413.0	1269.5	1180.2	1107.3	1050.9
7852.4	30°	7633.7	7363.4	5057.0	2588.5	1645.7	1295.4	1140.2	1050.9	982.7	942.8
8640.0	32.5°	8390.8	8024.0	5125.2	2532.0	1514.1	1161.4	999.2	902.8	851.1	839.3
9411.1	35°	9105.5	8621.2	5118.2	2478.0	1396.5	1027.4	860.5	761.7	721.8	728.8
10241.0	37.5°	9928.3	9258.3	5068.8	2393.3	1300.1	905.1	740.6	653.6	618.3	620.7
11249.6	40°	10885.2	9994.2	5038.2	2233.5	1194.3	792.3	641.8	571.3	545.4	536.0
12312.2	42.5°	11905.5	10706.5	5042.9	2052.4	1062.7	691.2	573.6	514.9	491.4	484.3
13494.8	45°	12930.6	11385.9	5050.0	1864.4	923.9	613.6	524.3	474.9	460.8	451.4
14693.8	47.5°	13894.5	11964.3	4918.3	1662.2	787.6	554.8	484.3	451.4	439.6	427.9
15897.5	50°	14792.6	12349.9	4600.9	1427.1	679.4	507.8	453.7	430.2	418.5	406.7
16988.4	52.5°	15490.8	12411.0	4076.7	1184.9	604.2	472.6	434.9	413.8	399.7	387.9
17870.0	55°	15801.1	12027.8	3331.4	959.2	545.4	442.0	416.1	395.0	378.5	366.8
18563.6	57.5°	15721.2	11221.4	2597.9	771.1	489.0	411.4	392.6	378.5	359.7	340.9
19125.5	60°	15328.6	10142.3	1958.4	641.8	437.3	378.5	366.8	355.0	329.1	300.9
19341.8	62.5°	14649.2	8785.7	1396.5	531.3	380.9	340.9	336.2	326.8	289.2	237.5
19022.0	65°	13610.0	7137.7	940.4	442.0	326.8	298.6	300.9	284.5	235.1	176.3
17851.2	67.5°	12091.3	5219.2	601.9	362.1	272.7	249.2	251.6	242.2	199.8	150.5
15631.9	70°	10156.4	3456.0	392.6	275.1	218.6	192.8	206.9	209.2	169.3	122.3
11997.2	72.5°	7445.7	2040.7	275.1	204.5	159.9	134.0	169.3	174.0	136.4	91.7
7217.6	75°	4243.6	968.6	206.9	148.1	98.7	94.0	131.7	131.7	94.0	61.1
3124.5	77.5°	1782.1	404.4	145.8	96.4	56.4	54.1	89.3	82.3	47.0	28.2
761.7	80°	514.9	181.0	77.6	47.0	23.5	21.2	35.3	25.9	11.8	4.7
289.2	82.5°	202.2	79.9	30.6	18.8	9.4	9.4	4.7	0.0	0.0	0.0
164.6	85°	119.9	32.9	14.1	7.1	2.4	0.0	0.0	0.0	0.0	0.0
35.3	87.5°	30.6	7.1	4.7	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>
4079.0
4050.8
3876.8
3380.8
2684.9
2094.8
1753.9
1516.4
1365.9
1257.8
1149.6
1039.1
935.7
846.4
728.8
630.1
533.7
482.0
451.4
427.9
406.7
385.6
364.4
338.5
296.2
232.8
171.6
143.4
117.6
87.0
56.4
28.2
4.7
0.0
0.0
0.0
0.0

F REPORT)