

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: P953371

Luminaire Tested: **GALN-SB6D-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34174 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

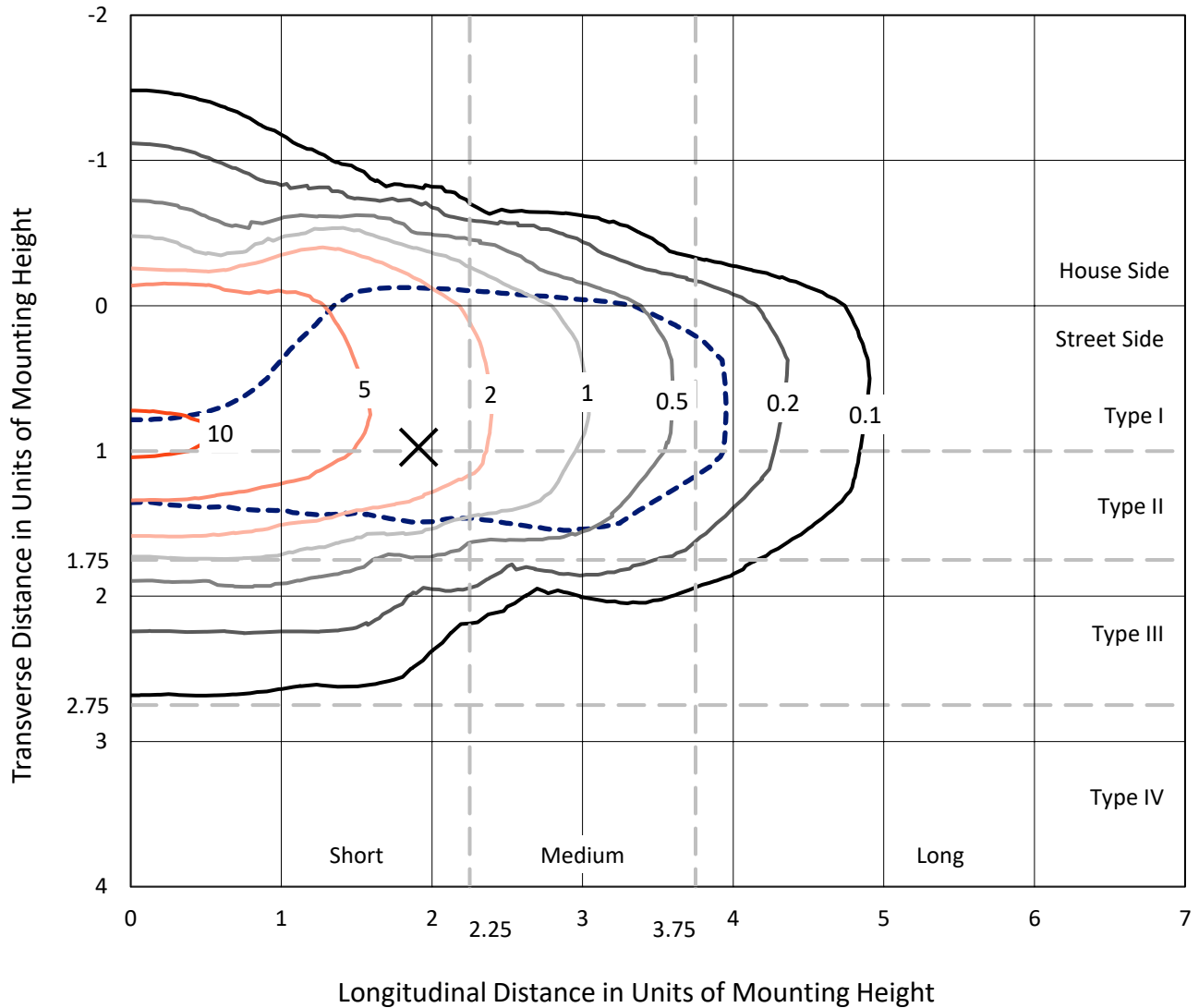
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953371
 CATALOG NUMBER: GALN-SB6D-940-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

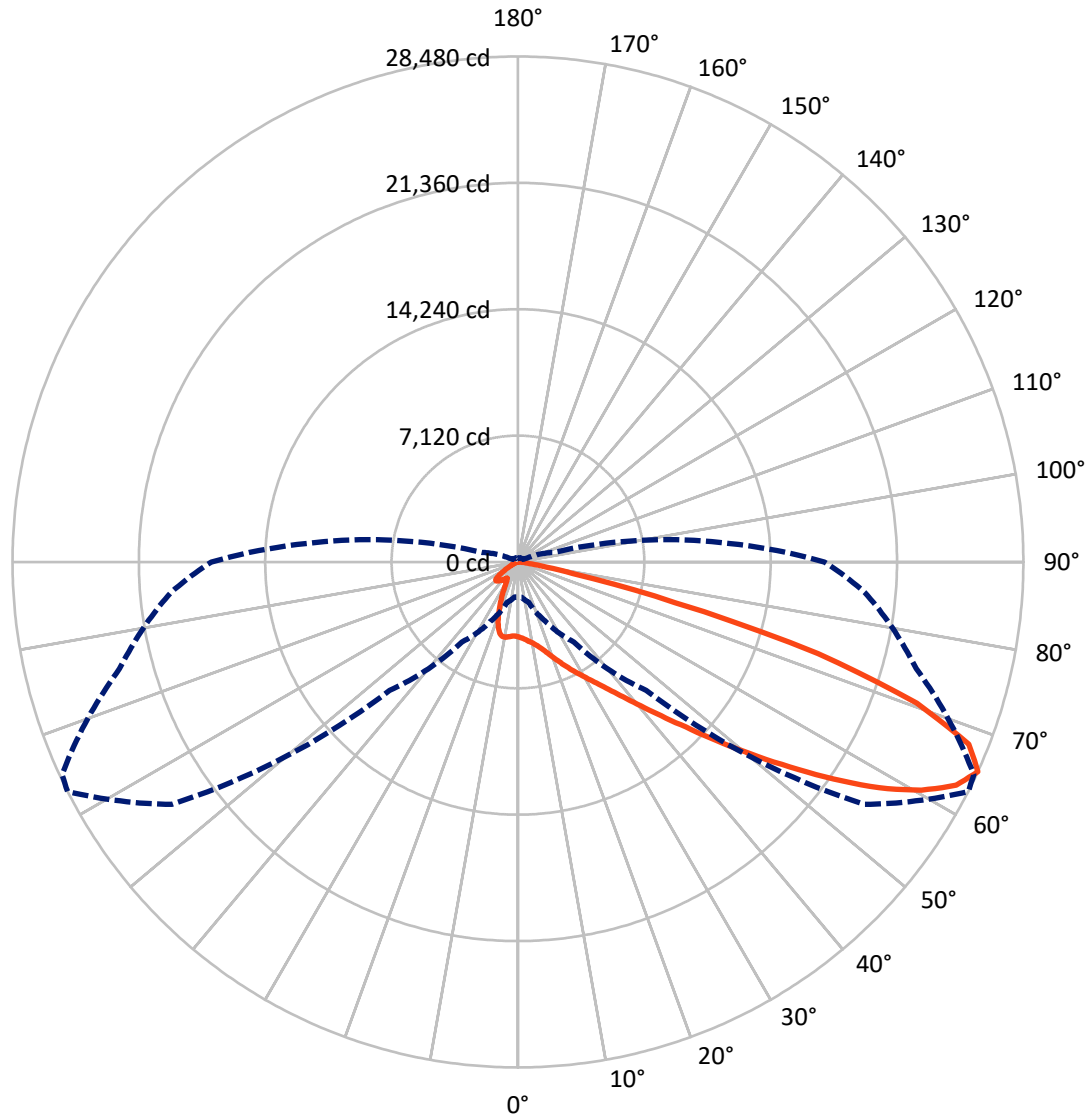
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

REPORT NUMBER: P953371
CATALOG NUMBER: GALN-SB6D-940-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P953371
 CATALOG NUMBER: GALN-SB6D-940-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5023.3	0.0	5023.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	29150.7	0.0	29150.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	34174.0	0.0	34174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.4	1.2
10°-20°	1102.6	3.2
20°-30°	1919.9	5.6
30°-40°	3460.5	10.1
40°-50°	6863.2	20.1
50°-60°	9348.8	27.4
60°-70°	7462.1	21.8
70°-80°	3376.8	9.9
80°-90°	242.7	0.7
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°	34174.0	100.0
0°-180°	34174.0	100.0

Coefficient of Utilization

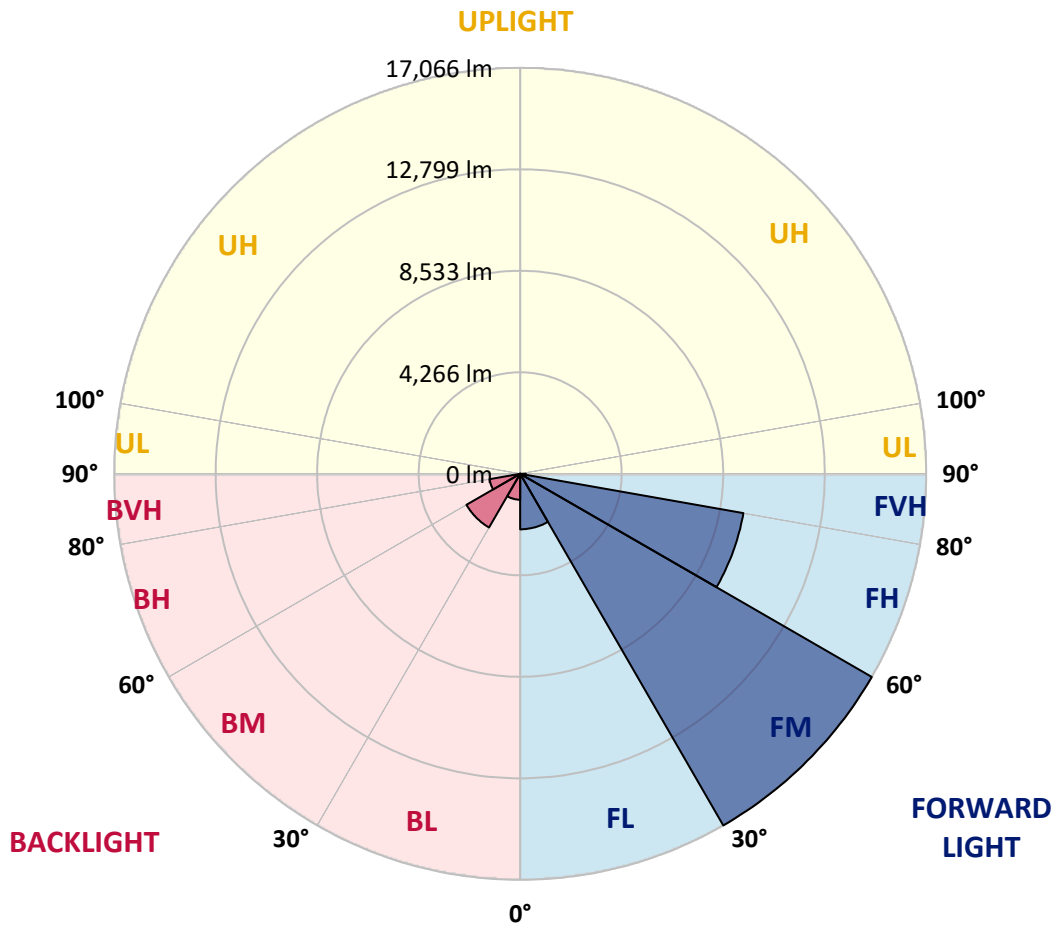


REPORT NUMBER: P953371
 CATALOG NUMBER: GALN-SB6D-940-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2332.8	6.8			
FM (30°-60°)	17065.6	49.9			
FH (60°-80°)	9527.5	27.9			G4/12000
FVH (80°-90°)	224.7	0.7			G2/225
BL (0°-30°)	1087.1	3.2	B3/2500		
BM (30°-60°)	2606.8	7.6	B3/5000		
BH (60°-80°)	1311.4	3.8	B3/2500		G3/2500
BVH (80°-90°)	18.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Short



REPORT NUMBER: P953371
 CATALOG NUMBER: GALN-SB6D-940-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7
2.5°	4316.5	4304.7	4321.2	4314.1	4309.4	4300.0	4295.3	4290.6	4281.2	4274.1
5°	4328.2	4321.2	4337.6	4351.7	4365.8	4379.9	4387.0	4396.4	4387.0	4368.2
7.5°	4229.5	4224.8	4260.0	4302.4	4365.8	4419.9	4478.7	4511.6	4513.9	4506.9
10°	4222.4	4210.7	4245.9	4297.7	4379.9	4476.3	4579.8	4650.3	4659.7	4690.3
12.5°	4332.9	4321.2	4370.5	4427.0	4511.6	4612.7	4739.6	4838.4	4852.5	4894.8
15°	4518.6	4502.2	4558.6	4631.5	4739.6	4854.8	4988.8	5078.2	5089.9	5141.7
17.5°	4734.9	4718.5	4784.3	4861.9	4979.4	5137.0	5292.1	5390.9	5405.0	5437.9
20°	5012.4	4991.2	5042.9	5113.5	5238.1	5426.1	5611.9	5752.9	5750.6	5750.6
22.5°	5334.4	5301.5	5346.2	5402.6	5520.2	5748.2	5995.1	6162.0	6162.0	6096.2
25°	5680.0	5647.1	5696.5	5748.2	5851.7	6110.3	6399.5	6606.3	6615.8	6502.9
27.5°	6112.6	6070.3	6107.9	6169.1	6230.2	6493.5	6836.7	7076.5	7081.3	6907.3
30°	6944.9	6825.0	6707.4	6641.6	6669.8	6930.8	7297.5	7563.2	7586.7	7346.9
32.5°	8468.3	8444.8	8031.1	7490.3	7208.2	7401.0	7812.4	8132.2	8146.3	7838.3
35°	10835.8	10807.6	10142.3	9112.5	8193.3	8031.1	8437.8	8816.3	8806.9	8458.9
37.5°	13661.7	13635.9	12758.9	11381.3	9893.1	8983.2	9244.2	9641.5	9700.3	9244.2
40°	16076.2	15979.8	15425.0	14096.7	12150.0	10563.1	10391.5	10654.8	10715.9	10175.2
42.5°	17905.3	17823.0	17540.9	16711.0	14881.9	12900.0	11743.3	11844.4	11912.6	11263.7
45°	18852.8	18834.0	18946.8	18869.2	17665.5	15768.2	13675.8	13255.0	13280.9	12469.8
47.5°	18986.8	18977.4	19492.2	20221.1	20058.8	19003.2	16156.2	15013.6	14921.9	13831.0
50°	18196.8	18178.0	19165.5	20531.4	21657.5	21721.0	18972.7	16995.5	16793.3	15239.3
52.5°	15674.2	15669.5	17291.7	19565.1	22219.4	24100.2	21756.3	19172.5	18834.0	16729.8
55°	12060.7	12147.7	14007.3	16694.5	21194.4	25245.2	24255.4	21589.4	21069.8	18229.8
57.5°	8543.6	8670.5	10509.0	12902.4	18015.8	24568.1	25945.8	24010.9	23451.4	19725.0
60°	4589.2	4702.0	6542.9	9399.3	13403.1	22043.1	26836.8	26112.7	25583.7	21145.0
62.5°	2734.2	2771.8	3533.6	6068.0	9065.5	16840.3	26458.3	27713.7	27278.8	22337.0
65°	1963.1	1970.1	2353.4	3705.2	5503.7	10231.6	23804.0	28480.2	28346.2	23235.1
67.5°	1652.8	1648.1	1807.9	2461.5	3749.9	5125.2	18243.9	27396.4	27965.3	23804.0
70°	1417.7	1424.7	1612.8	1803.2	2818.9	2901.2	9070.2	23853.4	25066.5	23954.5
72.5°	1055.6	1079.1	1253.1	1643.4	2127.7	1996.0	3131.5	17686.7	19880.2	22569.7
75°	745.3	757.0	881.6	1382.4	1586.9	1452.9	1598.7	9143.1	11954.9	17303.5
77.5°	573.6	594.8	667.7	966.3	1563.4	1020.3	978.0	3164.5	4861.9	10452.6
80°	310.3	347.9	482.0	698.3	1097.9	721.8	484.3	1260.1	1648.1	4887.8
82.5°	159.9	178.7	336.2	503.1	625.4	630.1	239.8	524.3	679.4	1509.4
85°	63.5	77.6	225.7	277.4	322.1	310.3	108.1	211.6	244.5	418.5
87.5°	14.1	23.5	82.3	63.5	61.1	65.8	25.9	49.4	47.0	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953371
 CATALOG NUMBER: GALN-SB6D-940-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4217.7	0°	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7	4217.7
4245.9	2.5°	4243.6	4234.2	4208.3	4180.1	4147.2	4128.4	4116.6	4114.3	4097.8	4086.1
4340.0	5°	4314.1	4304.7	4255.3	4196.6	4133.1	4083.7	4036.7	3994.4	3933.2	3921.5
4476.3	7.5°	4455.2	4429.3	4349.4	4269.4	4149.5	4006.1	3832.2	3632.3	3453.6	3399.6
4657.4	10°	4629.1	4593.9	4492.8	4351.7	4086.1	3695.8	3275.0	2884.7	2574.4	2487.4
4871.3	12.5°	4826.6	4796.1	4662.1	4401.1	3820.4	3112.7	2468.6	1984.3	1683.3	1608.1
5099.3	15°	5061.7	5017.1	4831.3	4325.9	3345.5	2365.1	1695.1	1408.3	1300.1	1286.0
5360.3	17.5°	5310.9	5238.1	4981.8	4055.5	2706.0	1681.0	1309.5	1227.2	1180.2	1166.1
5623.6	20°	5539.0	5444.9	5071.1	3646.4	2021.9	1309.5	1173.2	1119.1	1076.8	1060.3
5886.9	22.5°	5767.0	5633.0	5071.1	3089.2	1516.4	1161.4	1076.8	1027.4	978.0	956.9
6169.1	25°	6004.5	5825.8	4981.8	2468.6	1220.2	1065.0	985.1	931.0	888.7	862.8
6437.1	27.5°	6234.9	5988.0	4777.3	1880.8	1086.2	980.4	900.4	848.7	808.7	789.9
6728.6	30°	6453.5	6147.9	4490.4	1427.1	999.2	898.1	822.9	778.2	738.2	719.4
7107.1	32.5°	6749.8	6350.1	4184.8	1170.8	923.9	820.5	752.3	710.0	674.7	660.6
7598.5	35°	7161.2	6648.7	3921.5	1149.6	860.5	757.0	688.8	648.9	613.6	601.9
8233.2	37.5°	7744.2	7130.6	3782.8	1290.7	808.7	700.6	637.1	594.8	561.9	552.5
9039.6	40°	8463.6	7784.2	3858.0	1431.8	773.5	651.2	590.1	547.8	519.6	507.8
9965.9	42.5°	9317.1	8590.6	4274.1	1539.9	750.0	608.9	545.4	498.4	479.6	474.9
11016.8	45°	10297.4	9476.9	4911.3	1655.1	712.4	568.9	500.8	465.5	451.4	449.0
12159.4	47.5°	11411.8	10450.3	5649.5	1798.5	674.7	531.3	465.5	442.0	430.2	425.5
13351.4	50°	12516.8	11430.6	6408.9	1878.5	644.2	496.1	437.3	418.5	409.1	406.7
14611.5	52.5°	13673.5	12439.2	7022.5	1803.2	618.3	467.9	413.8	399.7	390.3	387.9
15772.9	55°	14776.1	13255.0	7128.3	1530.5	566.6	439.6	387.9	380.9	369.1	369.1
16950.8	57.5°	15725.9	13664.1	6380.6	1123.8	514.9	397.3	362.1	355.0	345.6	343.2
18013.5	60°	16598.2	13546.5	4925.4	757.0	458.4	355.0	329.1	324.4	315.0	303.3
18937.4	62.5°	17089.5	13029.3	3369.0	493.7	402.0	310.3	291.5	289.2	268.0	244.5
19621.6	65°	17275.2	11966.7	2101.8	359.7	336.2	265.7	251.6	246.9	216.3	190.4
20009.5	67.5°	17113.0	10217.5	1060.3	284.5	265.7	221.0	206.9	206.9	185.7	162.2
19986.0	70°	16464.1	7659.6	446.7	228.0	204.5	169.3	169.3	178.7	157.5	131.7
18949.2	72.5°	15055.9	5153.4	237.5	174.0	152.8	119.9	138.7	145.8	124.6	98.7
15509.6	75°	11969.0	3143.3	164.6	129.3	96.4	84.6	105.8	110.5	84.6	65.8
10633.6	77.5°	8186.2	1805.6	110.5	82.3	61.1	49.4	72.9	68.2	44.7	30.6
4100.2	80°	3594.7	752.3	63.5	37.6	23.5	18.8	25.9	18.8	14.1	9.4
561.9	82.5°	420.8	176.3	23.5	14.1	9.4	4.7	2.4	0.0	0.0	0.0
171.6	85°	87.0	21.2	11.8	4.7	2.4	0.0	0.0	0.0	0.0	0.0
30.6	87.5°	16.5	4.7	2.4	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>
4217.7
4097.8
3916.8
3373.7
2454.5
1586.9
1271.9
1159.0
1050.9
945.1
853.4
789.9
721.8
660.6
601.9
550.1
505.5
474.9
446.7
425.5
406.7
387.9
366.8
340.9
300.9
239.8
<i>188.1</i>
159.9
129.3
98.7
63.5
32.9
9.4
0.0
0.0
0.0
0.0

F REPORT)