

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: P952762

Luminaire Tested: **GALN-SB6C-735-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952762
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-SB6C-735-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA 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: 34708 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

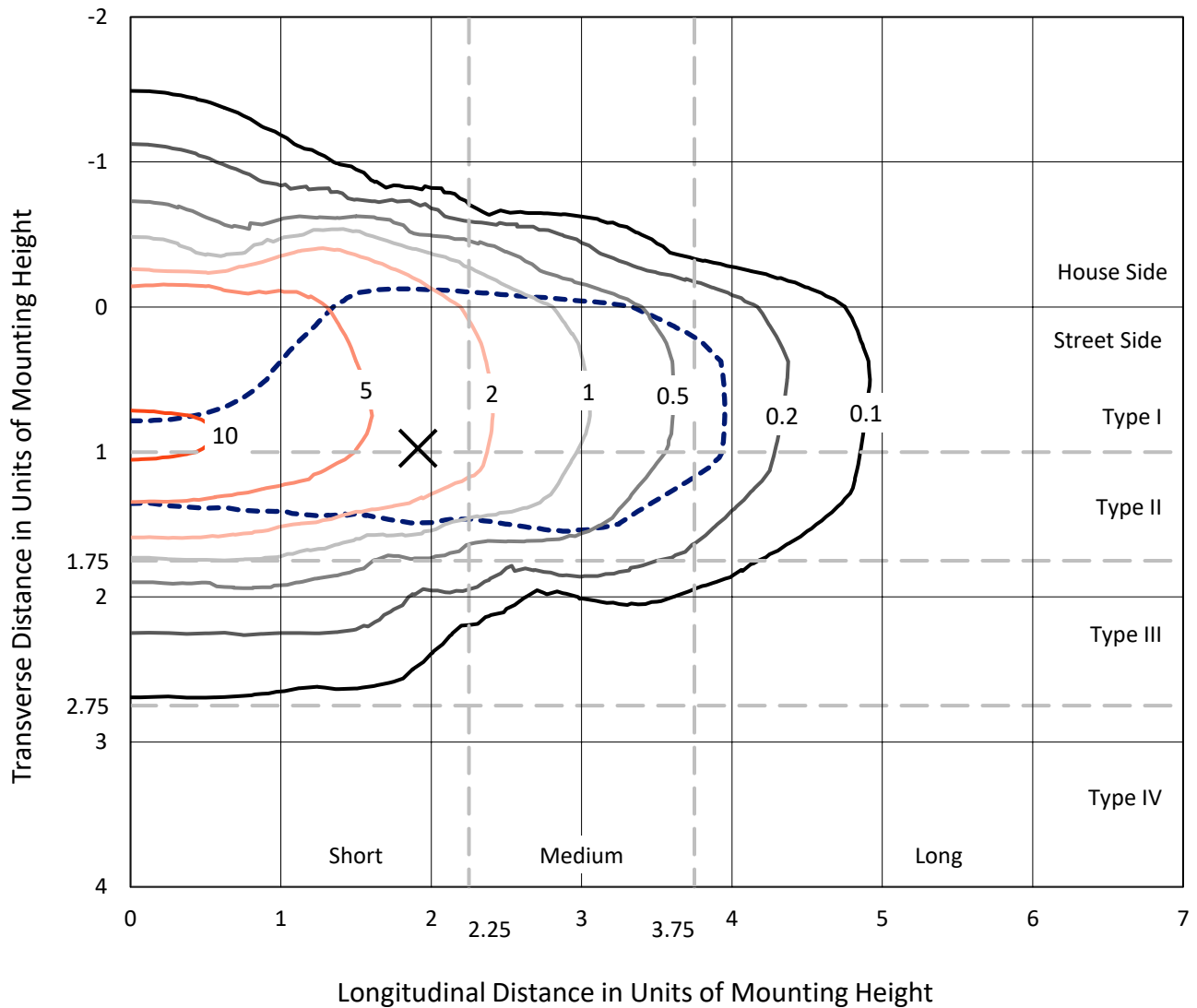
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952762
 CATALOG NUMBER: GALN-SB6C-735-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

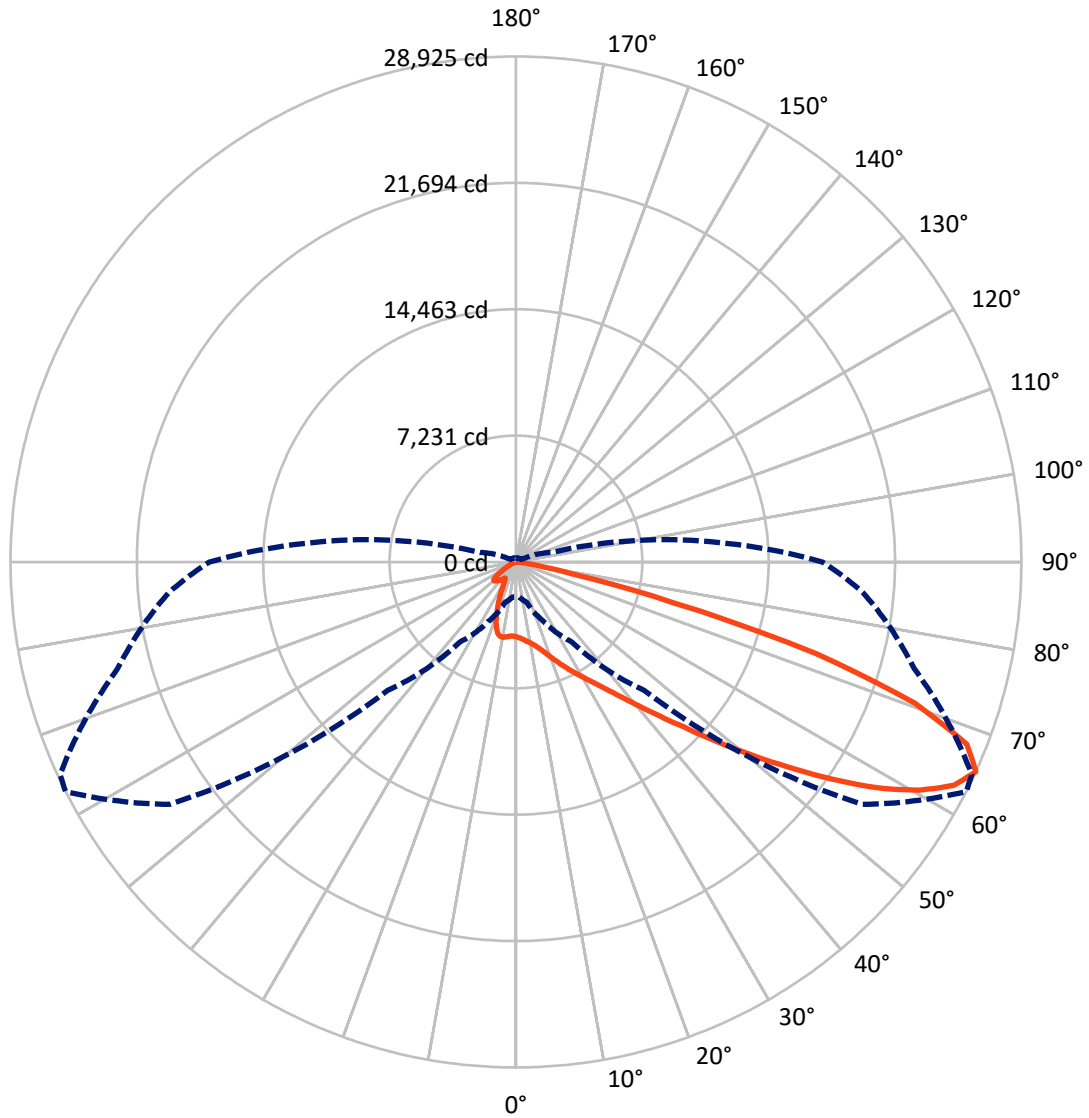
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

REPORT NUMBER: P952762
CATALOG NUMBER: GALN-SB6C-735-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952762

CATALOG NUMBER: GALN-SB6C-735-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5101.8	0.0	5101.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	29606.2	0.0	29606.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	34708.0	0.0	34708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.6	1.2
10°-20°	1119.8	3.2
20°-30°	1949.9	5.6
30°-40°	3514.5	10.1
40°-50°	6970.4	20.1
50°-60°	9494.9	27.4
60°-70°	7578.7	21.8
70°-80°	3429.6	9.9
80°-90°	246.5	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°	34708.0	100.0
0°-180°	34708.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952762

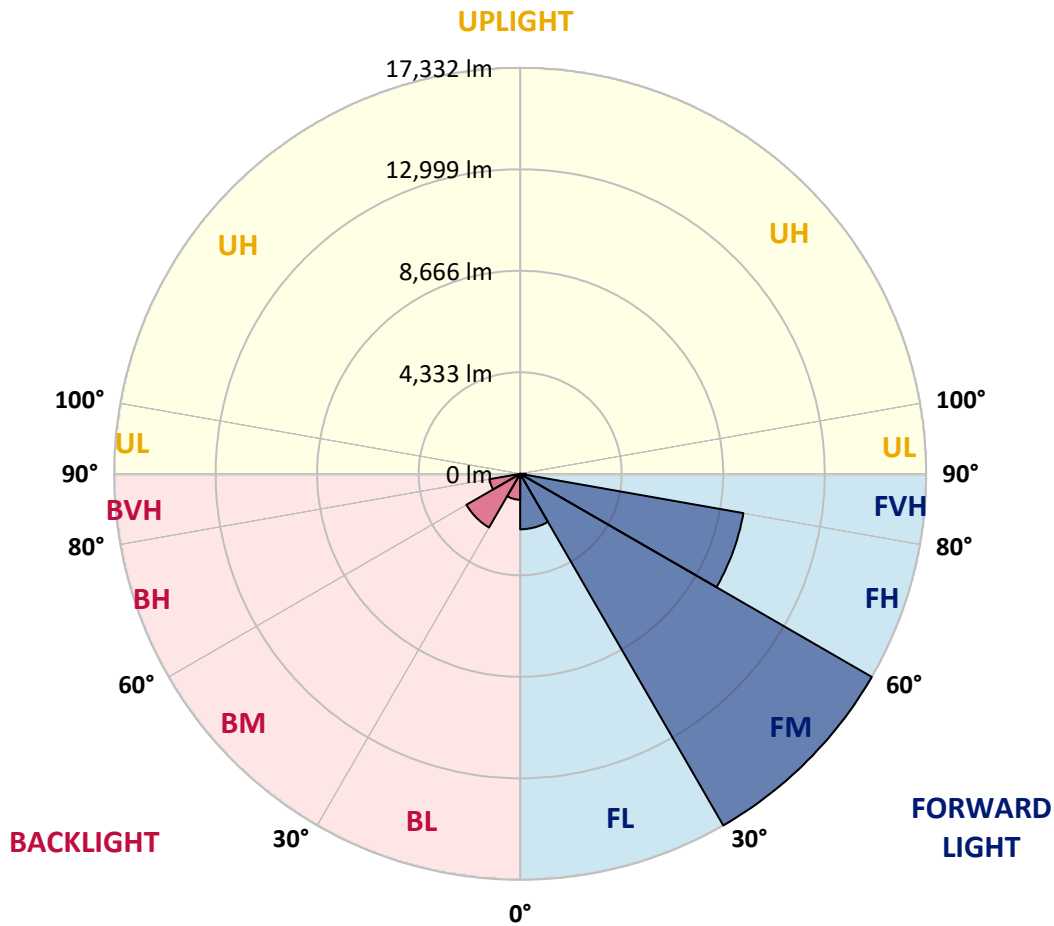
CATALOG NUMBER: GALN-SB6C-735-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2369.2	6.8			
FM (30°-60°)	17332.3	49.9			
FH (60°-80°)	9676.4	27.9			G4/12000
FVH (80°-90°)	228.2	0.7			G3/500
BL (0°-30°)	1104.1	3.2	B3/2500		
BM (30°-60°)	2647.5	7.6	B3/5000		
BH (60°-80°)	1331.9	3.8	B3/2500		G3/2500
BVH (80°-90°)	18.3	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: P952762

CATALOG NUMBER: GALN-SB6C-735-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6
2.5°	4383.9	4372.0	4388.7	4381.5	4376.7	4367.2	4362.4	4357.6	4348.1	4340.9
5°	4395.8	4388.7	4405.4	4419.7	4434.1	4448.4	4455.5	4465.1	4455.5	4436.4
7.5°	4295.6	4290.8	4326.6	4369.6	4434.1	4489.0	4548.7	4582.1	4584.5	4577.3
10°	4288.4	4276.5	4312.3	4364.8	4448.4	4546.3	4651.3	4723.0	4732.5	4763.6
12.5°	4400.6	4388.7	4438.8	4496.1	4582.1	4684.8	4813.7	4914.0	4928.3	4971.3
15°	4589.3	4572.5	4629.8	4703.9	4813.7	4930.7	5066.8	5157.5	5169.5	5222.0
17.5°	4808.9	4792.2	4859.1	4937.9	5057.3	5217.2	5374.8	5475.1	5489.4	5522.9
20°	5090.7	5069.2	5121.7	5193.4	5319.9	5510.9	5699.6	5842.8	5840.4	5840.4
22.5°	5417.8	5384.4	5429.7	5487.0	5606.4	5838.0	6088.8	6258.3	6258.3	6191.4
25°	5768.8	5735.4	5785.5	5838.0	5943.1	6205.8	6499.5	6709.6	6719.1	6604.5
27.5°	6208.1	6165.2	6203.4	6265.5	6327.5	6595.0	6943.6	7187.1	7191.9	7015.2
30°	7053.4	6931.6	6812.2	6745.4	6774.0	7039.1	7411.6	7681.4	7705.3	7461.7
32.5°	8600.7	8576.8	8156.6	7607.4	7320.8	7516.6	7934.5	8259.2	8273.6	7960.8
35°	11005.1	10976.5	10300.8	9254.9	8321.3	8156.6	8569.6	8954.1	8944.5	8591.1
37.5°	13875.2	13848.9	12958.3	11559.1	10047.7	9123.6	9388.6	9792.2	9851.9	9388.6
40°	16327.4	16229.5	15666.0	14316.9	12339.9	10728.2	10553.9	10821.3	10883.4	10334.2
42.5°	18185.1	18101.5	17815.0	16972.1	15114.5	13101.6	11926.8	12029.5	12098.7	11439.7
45°	19147.4	19128.3	19242.9	19164.1	17941.6	16014.6	13889.5	13462.1	13488.4	12664.6
47.5°	19283.5	19273.9	19796.8	20537.0	20372.3	19300.2	16408.6	15248.2	15155.0	14047.1
50°	18481.2	18462.1	19464.9	20852.2	21996.0	22060.4	19269.1	17261.0	17055.7	15477.4
52.5°	15919.1	15914.4	17561.9	19870.9	22566.6	24476.8	22096.2	19472.1	19128.3	16991.2
55°	12249.2	12337.5	14226.2	16955.4	21525.6	25639.7	24634.4	21926.7	21399.0	18514.6
57.5°	8677.1	8806.0	10673.2	13104.0	18297.3	24952.0	26351.2	24386.1	23817.8	20033.2
60°	4660.9	4775.5	6645.1	9546.2	13612.6	22387.5	27256.2	26520.7	25983.5	21475.4
62.5°	2777.0	2815.2	3588.8	6162.8	9207.2	17103.5	26871.7	28146.8	27705.1	22686.0
65°	1993.8	2000.9	2390.1	3763.1	5589.7	10391.5	24176.0	28925.2	28789.1	23598.1
67.5°	1678.6	1673.8	1836.2	2500.0	3808.5	5205.3	18528.9	27824.4	28402.3	24176.0
70°	1439.8	1447.0	1638.0	1831.4	2862.9	2946.5	9211.9	24226.1	25458.2	24328.8
72.5°	1072.1	1096.0	1272.7	1669.0	2160.9	2027.2	3180.5	17963.0	20190.8	22922.4
75°	756.9	768.9	895.4	1404.0	1611.7	1475.6	1623.7	9286.0	12141.7	17573.8
77.5°	582.6	604.1	678.1	981.4	1587.9	1036.3	993.3	3213.9	4937.9	10615.9
80°	315.2	353.4	489.5	709.2	1115.1	733.0	491.9	1279.8	1673.8	4964.1
82.5°	162.4	181.5	341.4	511.0	635.1	639.9	243.6	532.5	690.1	1532.9
85°	64.5	78.8	229.2	281.8	327.1	315.2	109.8	214.9	248.3	425.0
87.5°	14.3	23.9	83.6	64.5	62.1	66.9	26.3	50.1	47.8	50.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952762
 CATALOG NUMBER: GALN-SB6C-735-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4283.6	0°	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6
4312.3	2.5°	4309.9	4300.3	4274.1	4245.4	4212.0	4192.9	4180.9	4178.6	4161.8	4149.9
4407.8	5°	4381.5	4372.0	4321.8	4262.1	4197.7	4147.5	4099.8	4056.8	3994.7	3982.8
4546.3	7.5°	4524.8	4498.5	4417.3	4336.2	4214.4	4068.7	3892.0	3689.1	3507.6	3452.7
4730.1	10°	4701.5	4665.7	4563.0	4419.7	4149.9	3753.5	3326.1	2929.8	2614.6	2526.2
4947.4	12.5°	4902.1	4871.0	4734.9	4469.9	3880.1	3161.4	2507.1	2015.3	1709.6	1633.2
5179.0	15°	5140.8	5095.5	4906.8	4393.5	3397.8	2402.1	1721.6	1430.3	1320.4	1306.1
5444.1	17.5°	5393.9	5319.9	5059.6	4118.9	2748.3	1707.2	1330.0	1246.4	1198.7	1184.3
5711.5	20°	5625.5	5530.0	5150.4	3703.4	2053.5	1330.0	1191.5	1136.6	1093.6	1076.9
5978.9	22.5°	5857.2	5721.0	5150.4	3137.5	1540.1	1179.5	1093.6	1043.4	993.3	971.8
6265.5	25°	6098.3	5916.8	5059.6	2507.1	1239.2	1081.7	1000.5	945.5	902.6	876.3
6537.7	27.5°	6332.3	6081.6	4851.9	1910.2	1103.1	995.7	914.5	862.0	821.4	802.3
6833.7	30°	6554.4	6244.0	4560.6	1449.4	1014.8	912.1	835.7	790.3	749.8	730.7
7218.2	32.5°	6855.2	6449.3	4250.2	1189.1	938.4	833.3	764.1	721.1	685.3	671.0
7717.2	35°	7273.1	6752.6	3982.8	1167.6	873.9	768.9	699.6	659.0	623.2	611.3
8361.9	37.5°	7865.2	7242.0	3841.9	1310.9	821.4	711.5	647.1	604.1	570.7	561.1
9180.9	40°	8595.9	7905.8	3918.3	1454.1	785.6	661.4	599.3	556.3	527.7	515.8
10121.7	42.5°	9462.7	8724.8	4340.9	1564.0	761.7	618.4	554.0	506.2	487.1	482.3
11189.0	45°	10458.3	9625.0	4988.0	1681.0	723.5	577.8	508.6	472.8	458.4	456.1
12349.4	47.5°	11590.1	10613.5	5737.8	1826.6	685.3	539.6	472.8	448.9	437.0	432.2
13560.0	50°	12712.4	11609.2	6509.0	1907.8	654.2	503.8	444.1	425.0	415.5	413.1
14839.9	52.5°	13887.2	12633.6	7132.2	1831.4	628.0	475.2	420.2	405.9	396.4	394.0
16019.4	55°	15007.0	13462.1	7239.7	1554.4	575.4	446.5	394.0	386.8	374.9	374.9
17215.7	57.5°	15971.7	13877.6	6480.4	1141.3	522.9	403.5	367.7	360.6	351.0	348.6
18294.9	60°	16857.5	13758.2	5002.3	768.9	465.6	360.6	334.3	329.5	320.0	308.0
19233.3	62.5°	17356.6	13232.9	3421.6	501.4	408.3	315.2	296.1	293.7	272.2	248.3
19928.2	65°	17545.2	12153.6	2134.6	365.3	341.4	269.8	255.5	250.7	219.7	193.4
20322.1	67.5°	17380.4	10377.2	1076.9	288.9	269.8	224.4	210.1	210.1	188.6	164.8
20298.3	70°	16721.4	7779.3	453.7	231.6	207.7	171.9	171.9	181.5	160.0	133.7
19245.3	72.5°	15291.1	5233.9	241.2	176.7	155.2	121.8	140.9	148.0	126.6	100.3
15752.0	75°	12156.0	3192.4	167.1	131.3	97.9	86.0	107.4	112.2	86.0	66.9
10799.8	77.5°	8314.1	1833.8	112.2	83.6	62.1	50.1	74.0	69.2	45.4	31.0
4164.2	80°	3650.9	764.1	64.5	38.2	23.9	19.1	26.3	19.1	14.3	9.6
570.7	82.5°	427.4	179.1	23.9	14.3	9.6	4.8	2.4	0.0	0.0	0.0
174.3	85°	88.3	21.5	11.9	4.8	2.4	0.0	0.0	0.0	0.0	0.0
31.0	87.5°	16.7	4.8	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>
4283.6
4161.8
3978.0
3426.4
2492.8
1611.7
1291.8
1177.2
1067.3
959.9
866.8
802.3
733.0
671.0
611.3
558.7
513.4
482.3
453.7
432.2
413.1
394.0
372.5
346.2
305.6
243.6
191.0
162.4
131.3
100.3
64.5
33.4
9.6
0.0
0.0
0.0
0.0

F REPORT)