

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: P953476

Luminaire Tested: **GALN-SB7A-735-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953476
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-SB7A-735-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA 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: 24380 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

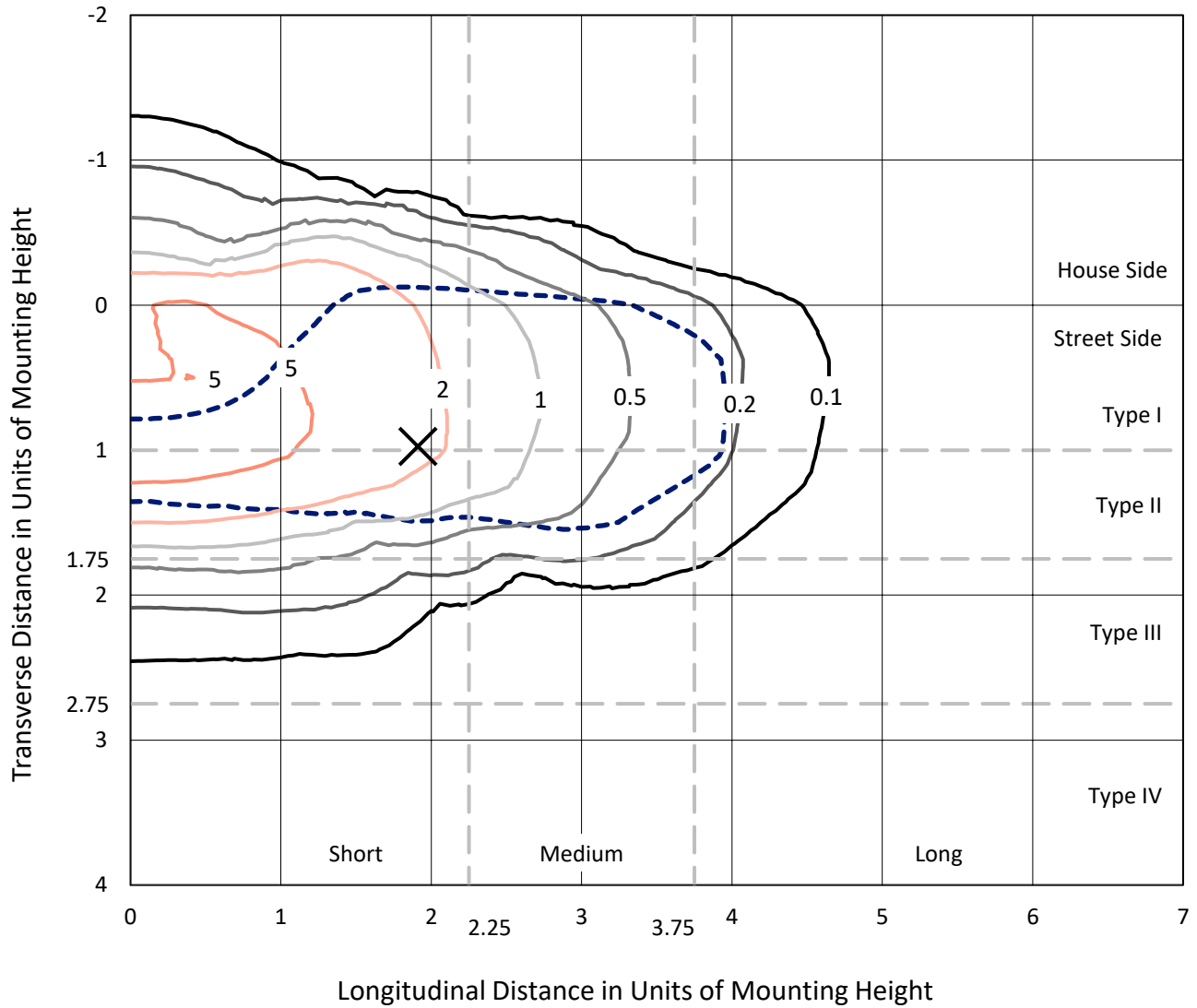
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953476
 CATALOG NUMBER: GALN-SB7A-735-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

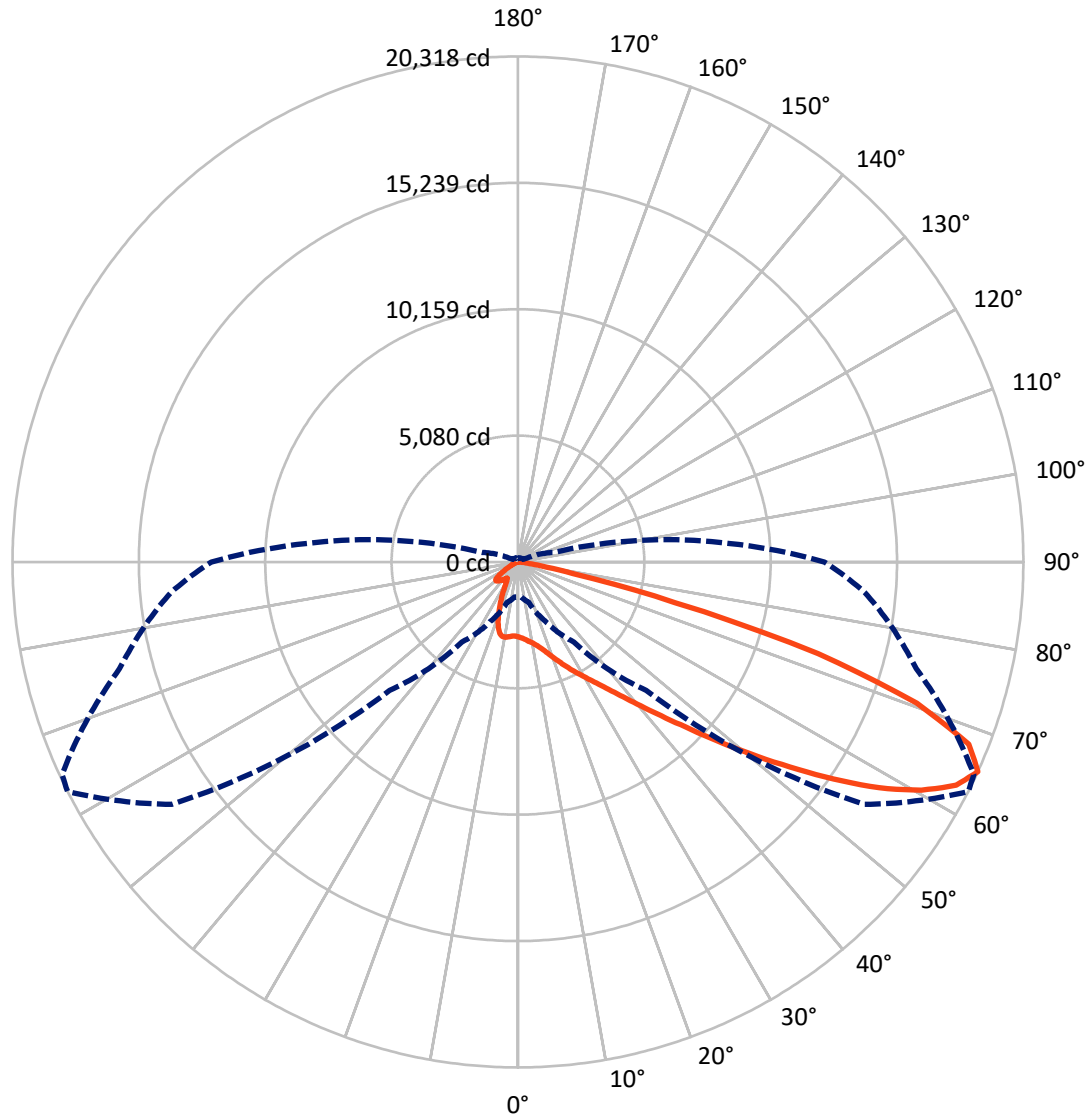
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

REPORT NUMBER: P953476
CATALOG NUMBER: GALN-SB7A-735-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P953476
 CATALOG NUMBER: GALN-SB7A-735-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3583.7	0.0	3583.7
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	20796.3	0.0	20796.3
	% Fixture	85.3	0.0	85.3
Total	Lumens	24380.0	0.0	24380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	1.2
10°-20°	786.6	3.2
20°-30°	1369.7	5.6
30°-40°	2468.7	10.1
40°-50°	4896.3	20.1
50°-60°	6669.5	27.4
60°-70°	5323.6	21.8
70°-80°	2409.0	9.9
80°-90°	173.2	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°	24380.0	100.0
0°-180°	24380.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953476

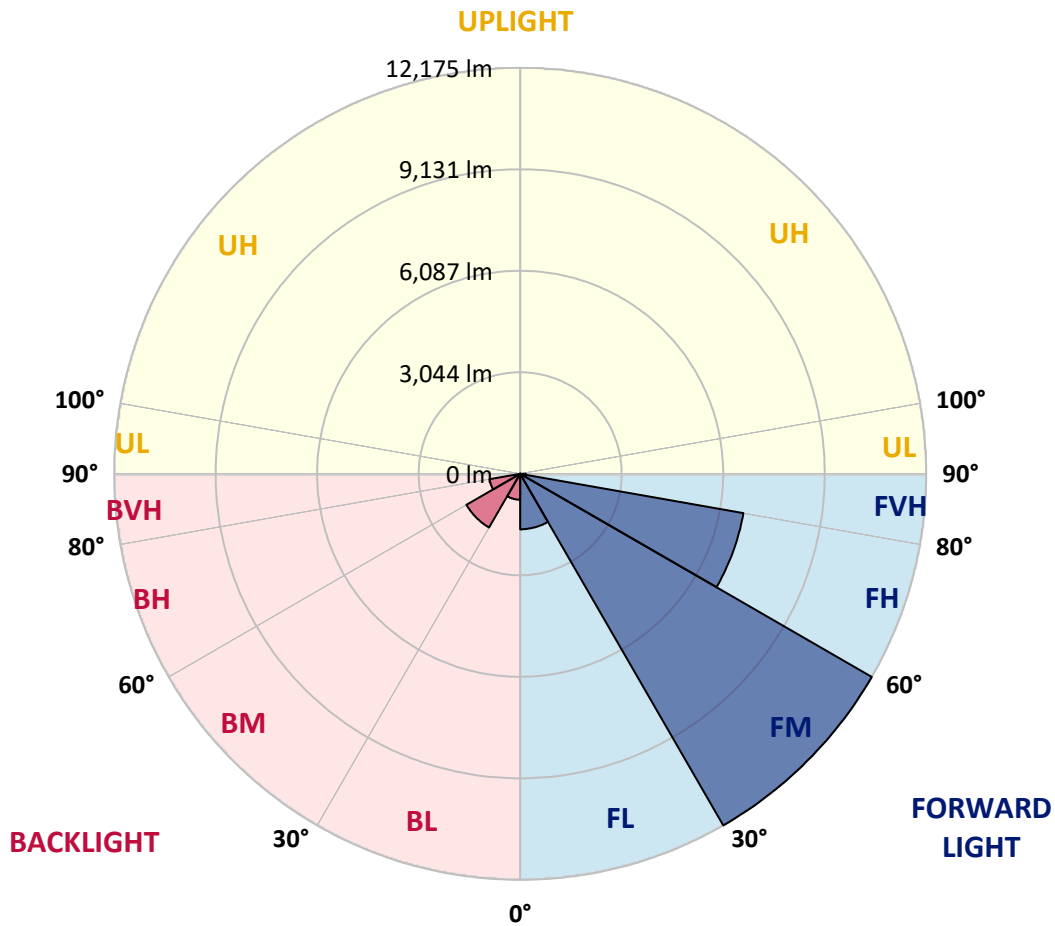
CATALOG NUMBER: GALN-SB7A-735-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1664.2	6.8			
FM (30°-60°)	12174.8	49.9			
FH (60°-80°)	6797.0	27.9			G3/7500
FVH (80°-90°)	160.3	0.7			G2/225
BL (0°-30°)	775.6	3.2	B2/1000		
BM (30°-60°)	1859.7	7.6	B2/2500		
BH (60°-80°)	935.6	3.8	B2/1000		G2/1000
BVH (80°-90°)	12.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



REPORT NUMBER: P953476

CATALOG NUMBER: GALN-SB7A-735-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0
2.5°	3079.4	3071.0	3082.8	3077.7	3074.4	3067.7	3064.3	3060.9	3054.2	3049.2
5°	3087.8	3082.8	3094.5	3104.6	3114.6	3124.7	3129.7	3136.4	3129.7	3116.3
7.5°	3017.3	3014.0	3039.1	3069.3	3114.6	3153.2	3195.1	3218.6	3220.3	3215.3
10°	3012.3	3003.9	3029.1	3066.0	3124.7	3193.4	3267.2	3317.6	3324.3	3346.1
12.5°	3091.1	3082.8	3118.0	3158.2	3218.6	3290.7	3381.3	3451.7	3461.8	3492.0
15°	3223.6	3211.9	3252.2	3304.1	3381.3	3463.5	3559.1	3622.8	3631.2	3668.1
17.5°	3377.9	3366.2	3413.2	3468.5	3552.4	3664.8	3775.4	3845.9	3856.0	3879.4
20°	3575.9	3560.8	3597.7	3648.0	3736.9	3871.0	4003.6	4104.2	4102.5	4102.5
22.5°	3805.6	3782.2	3814.0	3854.3	3938.1	4100.8	4276.9	4396.0	4396.0	4349.1
25°	4052.2	4028.7	4063.9	4100.8	4174.6	4359.1	4565.4	4713.0	4719.7	4639.2
27.5°	4360.8	4330.6	4357.4	4401.1	4444.7	4632.5	4877.4	5048.5	5051.8	4927.7
30°	4954.5	4869.0	4785.1	4738.2	4758.3	4944.5	5206.1	5395.7	5412.4	5241.3
32.5°	6041.4	6024.6	5729.4	5343.7	5142.4	5279.9	5573.4	5801.5	5811.6	5591.9
35°	7730.4	7710.2	7235.6	6500.9	5845.2	5729.4	6019.6	6289.6	6282.9	6034.7
37.5°	9746.4	9727.9	9102.3	8119.5	7057.8	6408.7	6594.9	6878.3	6920.3	6594.9
40°	11468.9	11400.1	11004.3	10056.7	8667.9	7535.8	7413.4	7601.2	7644.8	7259.1
42.5°	12773.8	12715.1	12513.8	11921.8	10616.9	9203.0	8377.8	8449.9	8498.5	8035.6
45°	13449.7	13436.3	13516.8	13461.5	12602.7	11249.2	9756.5	9456.2	9474.7	8896.0
47.5°	13545.3	13538.6	13905.9	14425.9	14310.1	13557.1	11525.9	10710.8	10645.4	9867.2
50°	12981.8	12968.4	13672.8	14647.3	15450.7	15495.9	13535.3	12124.7	11980.5	10871.8
52.5°	11182.1	11178.7	12336.0	13957.9	15851.5	17193.3	15521.1	13677.8	13436.3	11935.2
55°	8604.2	8666.3	9992.9	11910.0	15120.2	18010.1	17304.0	15402.0	15031.3	13005.3
57.5°	6095.1	6185.6	7497.2	9204.6	12852.6	17527.1	18509.9	17129.6	16730.4	14072.0
60°	3274.0	3354.5	4667.7	6705.6	9561.9	15725.7	19145.6	18629.0	18251.6	15085.0
62.5°	1950.6	1977.5	2520.9	4328.9	6467.4	12014.0	18875.6	19771.2	19460.9	15935.4
65°	1400.5	1405.5	1678.9	2643.3	3926.4	7299.3	16982.0	20318.0	20222.4	16576.1
67.5°	1179.1	1175.7	1289.8	1756.1	2675.2	3656.4	13015.3	19544.8	19950.7	16982.0
70°	1011.4	1016.4	1150.6	1286.4	2011.0	2069.7	6470.8	17017.2	17882.6	17089.3
72.5°	753.1	769.8	894.0	1172.4	1517.9	1424.0	2234.1	12617.8	14182.7	16101.4
75°	531.7	540.1	629.0	986.2	1132.1	1036.5	1140.5	6522.8	8528.7	12344.4
77.5°	409.2	424.3	476.3	689.3	1115.4	727.9	697.7	2257.6	3468.5	7457.0
80°	221.4	248.2	343.8	498.1	783.3	514.9	345.5	899.0	1175.7	3487.0
82.5°	114.1	127.5	239.8	358.9	446.1	449.5	171.1	374.0	484.7	1076.8
85°	45.3	55.3	161.0	197.9	229.8	221.4	77.2	151.0	174.4	298.5
87.5°	10.1	16.8	58.7	45.3	43.6	47.0	18.4	35.2	33.5	35.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953476
 CATALOG NUMBER: GALN-SB7A-735-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3009.0	0°	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0	3009.0
3029.1	2.5°	3027.4	3020.7	3002.2	2982.1	2958.6	2945.2	2936.8	2935.2	2923.4	2915.0
3096.2	5°	3077.7	3071.0	3035.8	2993.9	2948.6	2913.4	2879.8	2849.6	2806.0	2797.6
3193.4	7.5°	3178.4	3159.9	3102.9	3045.9	2960.3	2858.0	2733.9	2591.3	2463.9	2425.3
3322.6	10°	3302.5	3277.3	3205.2	3104.6	2915.0	2636.6	2336.4	2058.0	1836.6	1774.5
3475.2	12.5°	3443.4	3421.6	3325.9	3139.8	2725.5	2220.7	1761.1	1415.6	1200.9	1147.2
3637.9	15°	3611.1	3579.2	3446.7	3086.1	2386.7	1687.3	1209.3	1004.7	927.5	917.4
3824.1	17.5°	3788.9	3736.9	3554.1	2893.2	1930.5	1199.2	934.2	875.5	842.0	831.9
4011.9	20°	3951.6	3884.5	3617.8	2601.4	1442.4	934.2	836.9	798.4	768.2	756.4
4199.8	22.5°	4114.2	4018.6	3617.8	2203.9	1081.8	828.6	768.2	733.0	697.7	682.6
4401.1	25°	4283.6	4156.2	3554.1	1761.1	870.5	759.8	702.8	664.2	634.0	615.5
4592.3	27.5°	4448.0	4271.9	3408.1	1341.8	774.9	699.4	642.4	605.5	577.0	563.5
4800.2	30°	4604.0	4386.0	3203.5	1018.1	712.8	640.7	587.0	555.2	526.7	513.2
5070.3	32.5°	4815.3	4530.2	2985.5	835.3	659.2	585.4	536.7	506.5	481.4	471.3
5420.8	35°	5108.8	4743.2	2797.6	820.2	613.9	540.1	491.4	462.9	437.8	429.4
5873.7	37.5°	5524.8	5087.0	2698.7	920.8	577.0	499.8	454.5	424.3	400.9	394.1
6449.0	40°	6038.0	5553.3	2752.3	1021.4	551.8	464.6	421.0	390.8	370.7	362.3
7109.8	42.5°	6646.9	6128.6	3049.2	1098.6	535.0	434.4	389.1	355.6	342.2	338.8
7859.5	45°	7346.3	6760.9	3503.7	1180.8	508.2	405.9	357.3	332.1	322.0	320.4
8674.6	47.5°	8141.3	7455.3	4030.4	1283.1	481.4	379.1	332.1	315.3	306.9	303.6
9525.0	50°	8929.6	8154.7	4572.1	1340.1	459.6	353.9	312.0	298.5	291.8	290.2
10424.0	52.5°	9754.8	8874.2	5009.9	1286.4	441.1	333.8	295.2	285.1	278.4	276.7
11252.5	55°	10541.4	9456.2	5085.4	1091.9	404.2	313.6	276.7	271.7	263.3	263.3
12092.8	57.5°	11219.0	9748.1	4552.0	801.7	367.3	283.5	258.3	253.3	246.6	244.9
12850.9	60°	11841.3	9664.2	3513.8	540.1	327.1	253.3	234.8	231.5	224.7	216.4
13510.1	62.5°	12191.8	9295.2	2403.5	352.2	286.8	221.4	208.0	206.3	191.2	174.4
13998.2	65°	12324.3	8537.1	1499.4	256.6	239.8	189.5	179.5	176.1	154.3	135.9
14274.9	67.5°	12208.6	7289.2	756.4	202.9	189.5	157.7	147.6	147.6	132.5	115.7
14258.1	70°	11745.6	5464.4	318.7	162.7	145.9	120.8	120.8	127.5	112.4	93.9
13518.5	72.5°	10741.0	3676.5	169.4	124.1	109.0	85.5	99.0	104.0	88.9	70.4
11064.7	75°	8538.8	2242.5	117.4	92.2	68.8	60.4	75.5	78.8	60.4	47.0
7586.1	77.5°	5840.1	1288.1	78.8	58.7	43.6	35.2	52.0	48.6	31.9	21.8
2925.1	80°	2564.5	536.7	45.3	26.8	16.8	13.4	18.4	13.4	10.1	6.7
400.9	82.5°	300.2	125.8	16.8	10.1	6.7	3.4	1.7	0.0	0.0	0.0
122.4	85°	62.1	15.1	8.4	3.4	1.7	0.0	0.0	0.0	0.0	0.0
21.8	87.5°	11.7	3.4	1.7	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>
3009.0
2923.4
2794.3
2406.8
1751.0
1132.1
907.4
826.9
749.7
674.2
608.8
563.5
514.9
471.3
429.4
392.5
360.6
338.8
318.7
303.6
290.2
276.7
261.6
243.2
214.7
171.1
134.2
114.1
92.2
70.4
45.3
23.5
6.7
0.0
0.0
0.0
0.0

F REPORT)