

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: P952489

Luminaire Tested: **GALN-SB6B-827-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952489  
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-SB6B-827-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

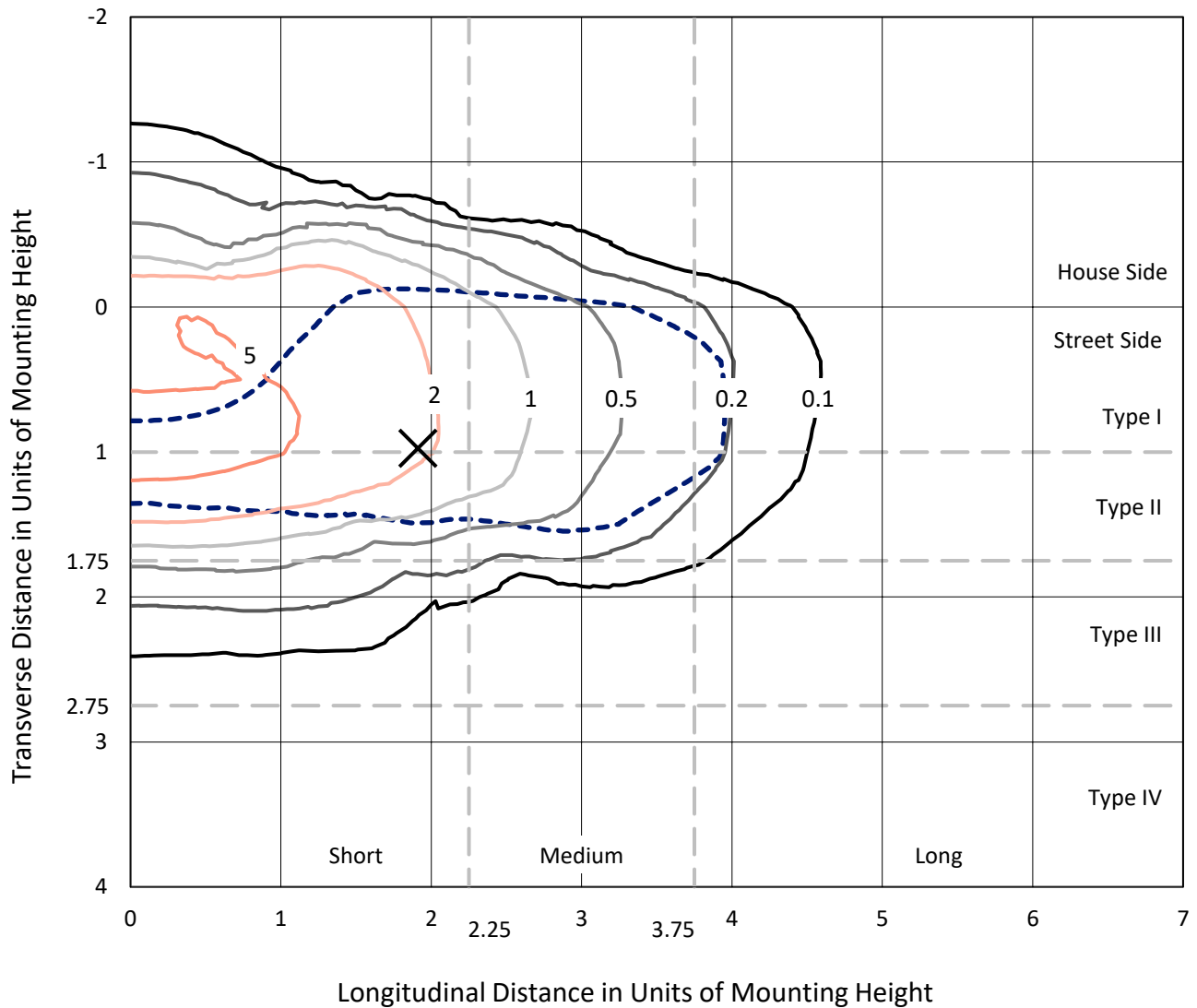
Lumens per Lamp: N/A  
Luminaire Lumens: 22693 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952489  
 CATALOG NUMBER: GALN-SB6B-827-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

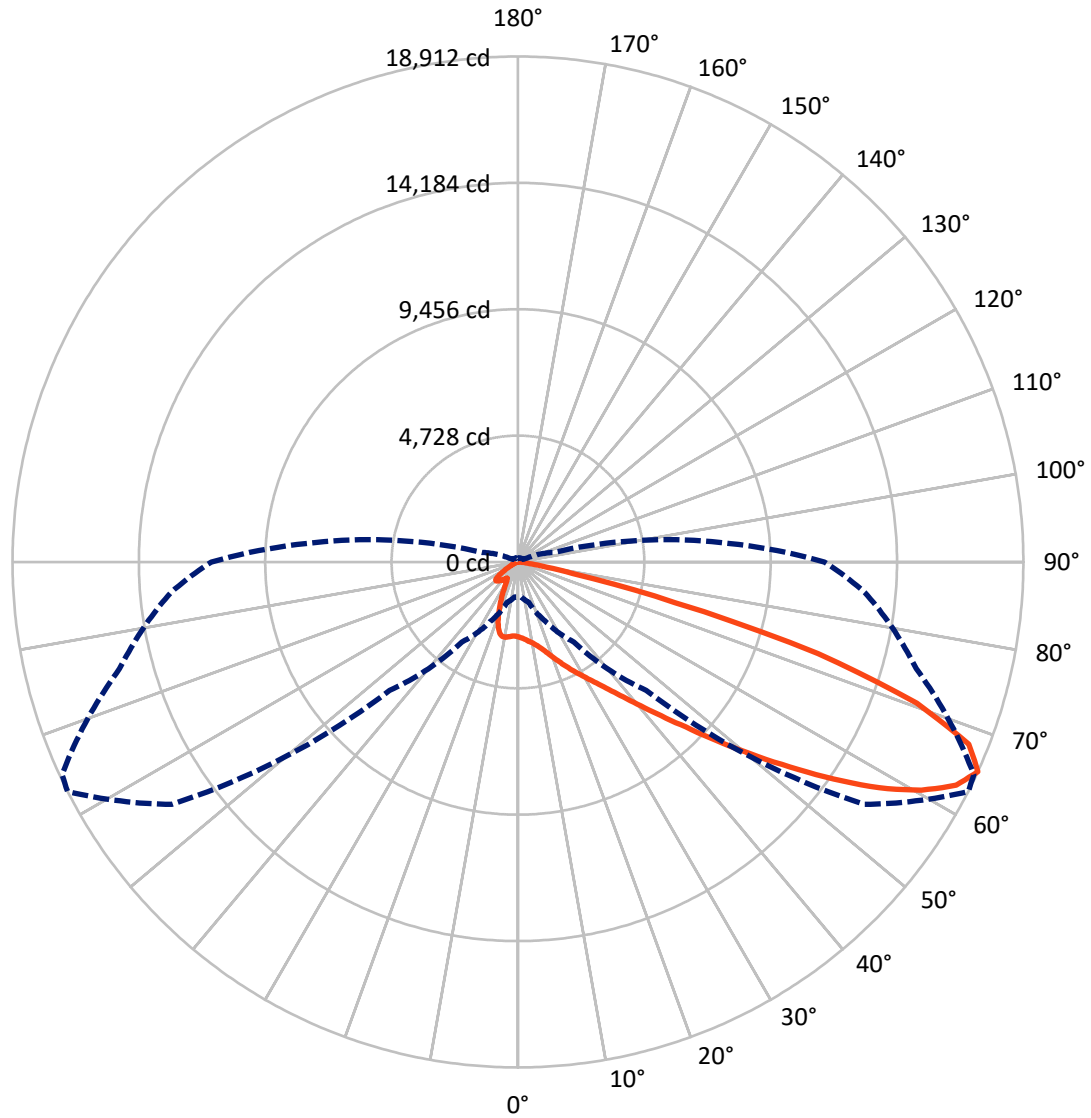
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P952489  
CATALOG NUMBER: GALN-SB6B-827-U-T2U-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P952489  
 CATALOG NUMBER: GALN-SB6B-827-U-T2U-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3335.7	0.0	3335.7
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	19357.3	0.0	19357.3
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	22693.0	0.0	22693.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.9	1.2
10°-20°	732.2	3.2
20°-30°	1274.9	5.6
30°-40°	2297.9	10.1
40°-50°	4557.5	20.1
50°-60°	6208.0	27.4
60°-70°	4955.2	21.8
70°-80°	2242.3	9.9
80°-90°	161.2	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°	22693.0	100.0
0°-180°	22693.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952489

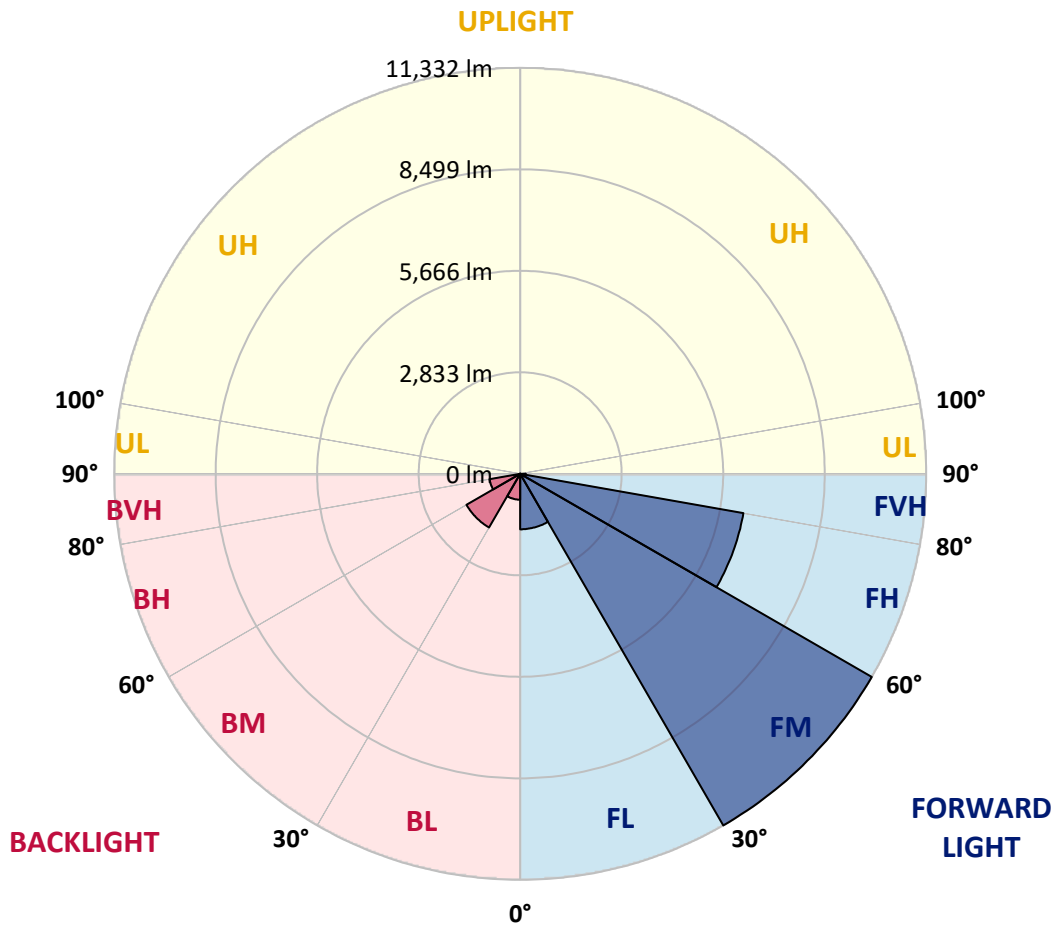
CATALOG NUMBER: GALN-SB6B-827-U-T2U-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1549.1	6.8			
FM (30°-60°)	11332.3	49.9			
FH (60°-80°)	6326.7	27.9			G3/7500
FVH (80°-90°)	149.2	0.7			G2/225
BL (0°-30°)	721.9	3.2	B2/1000		
BM (30°-60°)	1731.0	7.6	B2/2500		
BH (60°-80°)	870.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	12.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Short



REPORT NUMBER: P952489

CATALOG NUMBER: GALN-SB6B-827-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7
2.5°	2866.3	2858.5	2869.4	2864.8	2861.6	2855.4	2852.3	2849.1	2842.9	2838.2
5°	2874.1	2869.4	2880.4	2889.7	2899.1	2908.5	2913.1	2919.4	2913.1	2900.7
7.5°	2808.6	2805.4	2828.8	2856.9	2899.1	2935.0	2974.0	2995.9	2997.5	2992.8
10°	2803.9	2796.1	2819.5	2853.8	2908.5	2972.5	3041.2	3088.0	3094.2	3114.5
12.5°	2877.2	2869.4	2902.2	2939.7	2995.9	3063.0	3147.3	3212.9	3222.3	3250.4
15°	3000.6	2989.6	3027.1	3075.5	3147.3	3223.8	3312.8	3372.1	3379.9	3414.3
17.5°	3144.2	3133.3	3177.0	3228.5	3306.6	3411.2	3514.2	3579.8	3589.1	3611.0
20°	3328.4	3314.4	3348.7	3395.6	3478.3	3603.2	3726.5	3820.2	3818.6	3818.6
22.5°	3542.3	3520.4	3550.1	3587.6	3665.6	3817.1	3981.0	4091.8	4091.8	4048.1
25°	3771.8	3749.9	3782.7	3817.1	3885.8	4057.5	4249.5	4386.9	4393.1	4318.2
27.5°	4059.1	4030.9	4055.9	4096.5	4137.1	4312.0	4539.9	4699.1	4702.3	4586.7
30°	4611.7	4532.1	4454.0	4410.3	4429.0	4602.3	4845.9	5022.3	5037.9	4878.7
32.5°	5623.3	5607.7	5333.0	4973.9	4786.6	4914.6	5187.8	5400.1	5409.5	5205.0
35°	7195.4	7176.7	6734.9	6051.1	5440.7	5333.0	5603.1	5854.4	5848.2	5617.1
37.5°	9072.0	9054.8	8472.5	7557.6	6569.4	5965.2	6138.5	6402.4	6441.4	6138.5
40°	10675.3	10611.3	10242.9	9360.8	8068.1	7014.4	6900.4	7075.2	7115.8	6756.8
42.5°	11889.9	11835.3	11647.9	11096.8	9882.2	8566.2	7798.1	7865.2	7910.5	7479.6
45°	12519.0	12506.6	12581.5	12530.0	11730.7	10470.8	9081.3	8801.9	8819.1	8280.5
47.5°	12608.0	12601.8	12943.7	13427.7	13319.9	12619.0	10728.4	9969.7	9908.8	9184.4
50°	12083.5	12071.0	12726.7	13633.7	14381.5	14423.7	12598.7	11285.7	11151.5	10119.5
52.5°	10408.3	10405.2	11482.4	12992.1	14754.6	16003.6	14447.1	12731.4	12506.6	11109.3
55°	8008.8	8066.6	9301.5	11085.9	14074.0	16763.9	16106.6	14336.3	13991.2	12105.3
57.5°	5673.3	5757.6	6978.4	8567.7	11963.3	16314.3	17229.1	15944.3	15572.7	13098.2
60°	3047.4	3122.3	4344.7	6241.6	8900.2	14637.6	17820.8	17340.0	16988.7	14041.2
62.5°	1815.6	1840.6	2346.4	4029.4	6019.9	11182.7	17569.4	18403.1	18114.3	14832.7
65°	1303.6	1308.3	1562.7	2460.4	3654.7	6794.2	15806.9	18912.1	18823.1	15429.1
67.5°	1097.5	1094.4	1200.5	1634.5	2490.1	3403.4	12114.7	18192.4	18570.2	15806.9
70°	941.4	946.1	1071.0	1197.4	1871.8	1926.5	6023.0	15839.7	16645.2	15906.8
72.5°	701.0	716.6	832.1	1091.3	1412.9	1325.4	2079.5	11744.7	13201.3	14987.3
75°	494.9	502.7	585.4	918.0	1053.8	964.8	1061.6	6071.4	7938.6	11490.2
77.5°	380.9	395.0	443.4	641.6	1038.2	677.5	649.4	2101.3	3228.5	6941.0
80°	206.1	231.1	320.0	463.7	729.1	479.3	321.6	836.8	1094.4	3245.7
82.5°	106.2	118.6	223.2	334.1	415.3	418.4	159.2	348.1	451.2	1002.3
85°	42.2	51.5	149.9	184.2	213.9	206.1	71.8	140.5	162.4	277.9
87.5°	9.4	15.6	54.6	42.2	40.6	43.7	17.2	32.8	31.2	32.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952489  
 CATALOG NUMBER: GALN-SB6B-827-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2800.7	0°	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7	2800.7
2819.5	2.5°	2817.9	2811.7	2794.5	2775.8	2753.9	2741.4	2733.6	2732.1	2721.1	2713.3
2881.9	5°	2864.8	2858.5	2825.7	2786.7	2744.5	2711.8	2680.5	2652.4	2611.8	2604.0
2972.5	7.5°	2958.4	2941.3	2888.2	2835.1	2755.5	2660.2	2544.7	2412.0	2293.4	2257.5
3092.7	10°	3074.0	3050.5	2983.4	2889.7	2713.3	2454.2	2174.7	1915.6	1709.5	1651.7
3234.8	12.5°	3205.1	3184.8	3095.8	2922.5	2536.9	2067.0	1639.2	1317.6	1117.8	1067.8
3386.2	15°	3361.2	3331.5	3208.2	2872.6	2221.5	1570.5	1125.6	935.1	863.3	854.0
3559.5	17.5°	3526.7	3478.3	3308.1	2693.0	1796.9	1116.2	869.6	814.9	783.7	774.3
3734.3	20°	3678.1	3615.7	3367.5	2421.4	1342.6	869.6	779.0	743.1	715.0	704.1
3909.2	22.5°	3829.6	3740.6	3367.5	2051.4	1007.0	771.2	715.0	682.2	649.4	635.4
4096.5	25°	3987.2	3868.6	3308.1	1639.2	810.2	707.2	654.1	618.2	590.1	573.0
4274.5	27.5°	4140.2	3976.3	3172.3	1248.9	721.3	651.0	597.9	563.6	537.0	524.6
4468.1	30°	4285.4	4082.5	2981.8	947.6	663.5	596.4	546.4	516.7	490.2	477.7
4719.4	32.5°	4482.1	4216.7	2778.9	777.5	613.5	544.8	499.6	471.5	448.1	438.7
5045.7	35°	4755.3	4415.0	2604.0	763.4	571.4	502.7	457.4	430.9	407.5	399.7
5467.2	37.5°	5142.5	4735.0	2511.9	857.1	537.0	465.2	423.1	395.0	373.1	366.9
6002.7	40°	5620.2	5169.0	2561.9	950.8	513.6	432.4	391.9	363.8	345.0	337.2
6617.8	42.5°	6186.9	5704.5	2838.2	1022.6	498.0	404.3	362.2	331.0	318.5	315.4
7315.7	45°	6837.9	6293.1	3261.3	1099.1	473.0	377.8	332.5	309.1	299.7	298.2
8074.4	47.5°	7577.9	6939.4	3751.5	1194.3	448.1	352.8	309.1	293.5	285.7	282.6
8865.9	50°	8311.7	7590.4	4255.8	1247.4	427.8	329.4	290.4	277.9	271.6	270.1
9702.7	52.5°	9079.8	8260.2	4663.2	1197.4	410.6	310.7	274.8	265.4	259.2	257.6
10473.9	55°	9812.0	8801.9	4733.5	1016.3	376.2	291.9	257.6	252.9	245.1	245.1
11256.1	57.5°	10442.7	9073.5	4237.0	746.2	341.9	263.8	240.4	235.7	229.5	227.9
11961.7	60°	11021.9	8995.5	3270.7	502.7	304.4	235.7	218.6	215.4	209.2	201.4
12575.3	62.5°	11348.2	8652.0	2237.2	327.8	267.0	206.1	193.6	192.0	178.0	162.4
13029.6	65°	11471.5	7946.4	1395.7	238.9	223.2	176.4	167.0	163.9	143.6	126.5
13287.1	67.5°	11363.8	6784.9	704.1	188.9	176.4	146.8	137.4	137.4	123.3	107.7
13271.5	70°	10932.9	5086.3	296.6	151.4	135.8	112.4	112.4	118.6	104.6	87.4
12583.1	72.5°	9997.8	3422.1	157.7	115.5	101.5	79.6	92.1	96.8	82.7	65.6
10299.1	75°	7947.9	2087.3	109.3	85.9	64.0	56.2	70.3	73.4	56.2	43.7
7061.2	77.5°	5436.0	1199.0	73.4	54.6	40.6	32.8	48.4	45.3	29.7	20.3
2722.7	80°	2387.0	499.6	42.2	25.0	15.6	12.5	17.2	12.5	9.4	6.2
373.1	82.5°	279.5	117.1	15.6	9.4	6.2	3.1	1.6	0.0	0.0	0.0
114.0	85°	57.8	14.1	7.8	3.1	1.6	0.0	0.0	0.0	0.0	0.0
20.3	87.5°	10.9	3.1	1.6	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>
2800.7
2721.1
2600.9
2240.3
1629.9
1053.8
844.6
769.7
697.8
627.6
566.7
524.6
479.3
438.7
399.7
365.3
335.7
315.4
296.6
282.6
270.1
257.6
243.5
226.4
199.8
159.2
124.9
106.2
85.9
65.6
42.2
21.9
6.2
0.0
0.0
0.0
0.0

F REPORT)