

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: P948478

Luminaire Tested: **GALN-SB3C-735-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948478  
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-SB3C-735-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

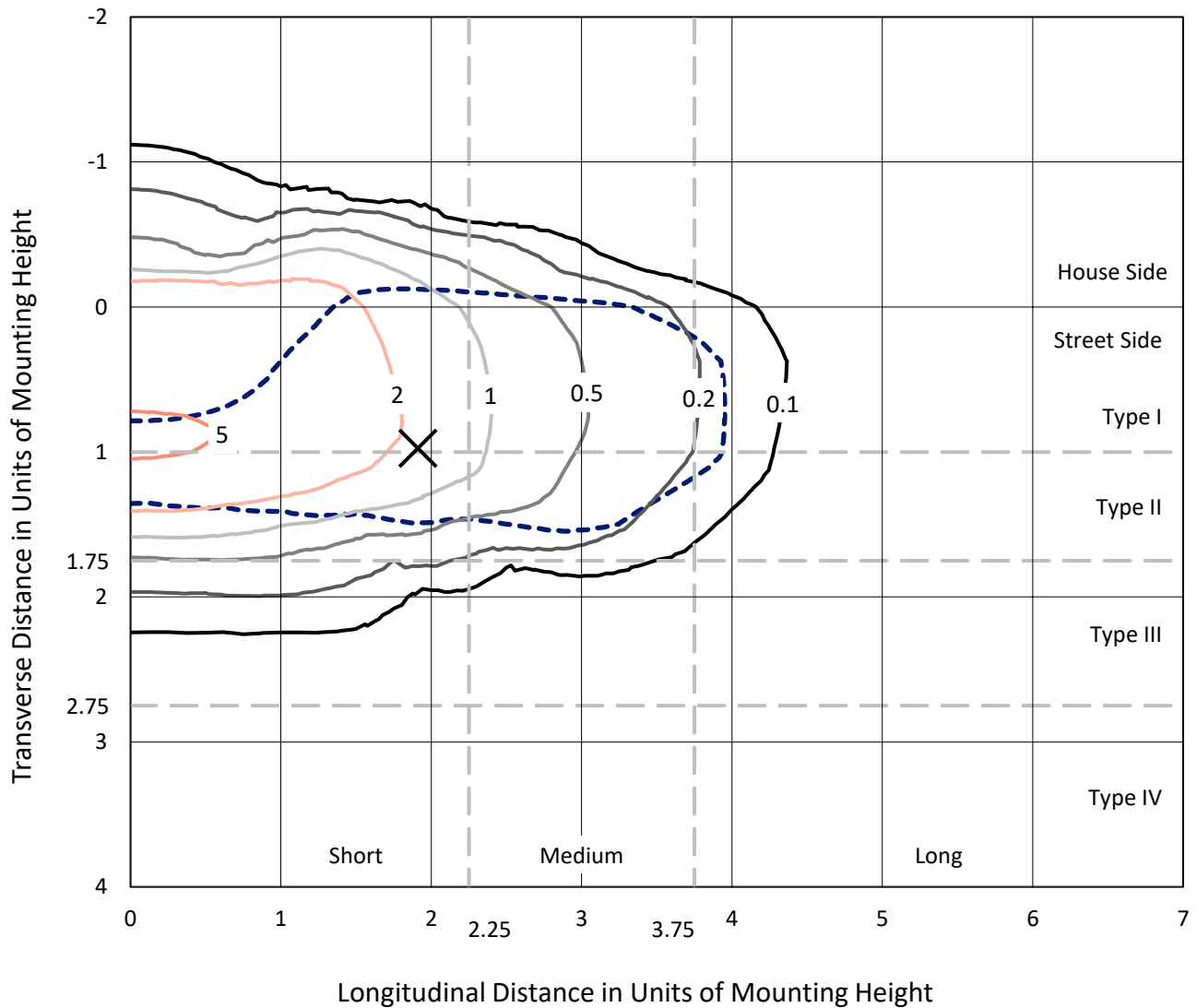
Lumens per Lamp: N/A  
Luminaire Lumens: 17173 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P948478  
 CATALOG NUMBER: GALN-SB3C-735-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

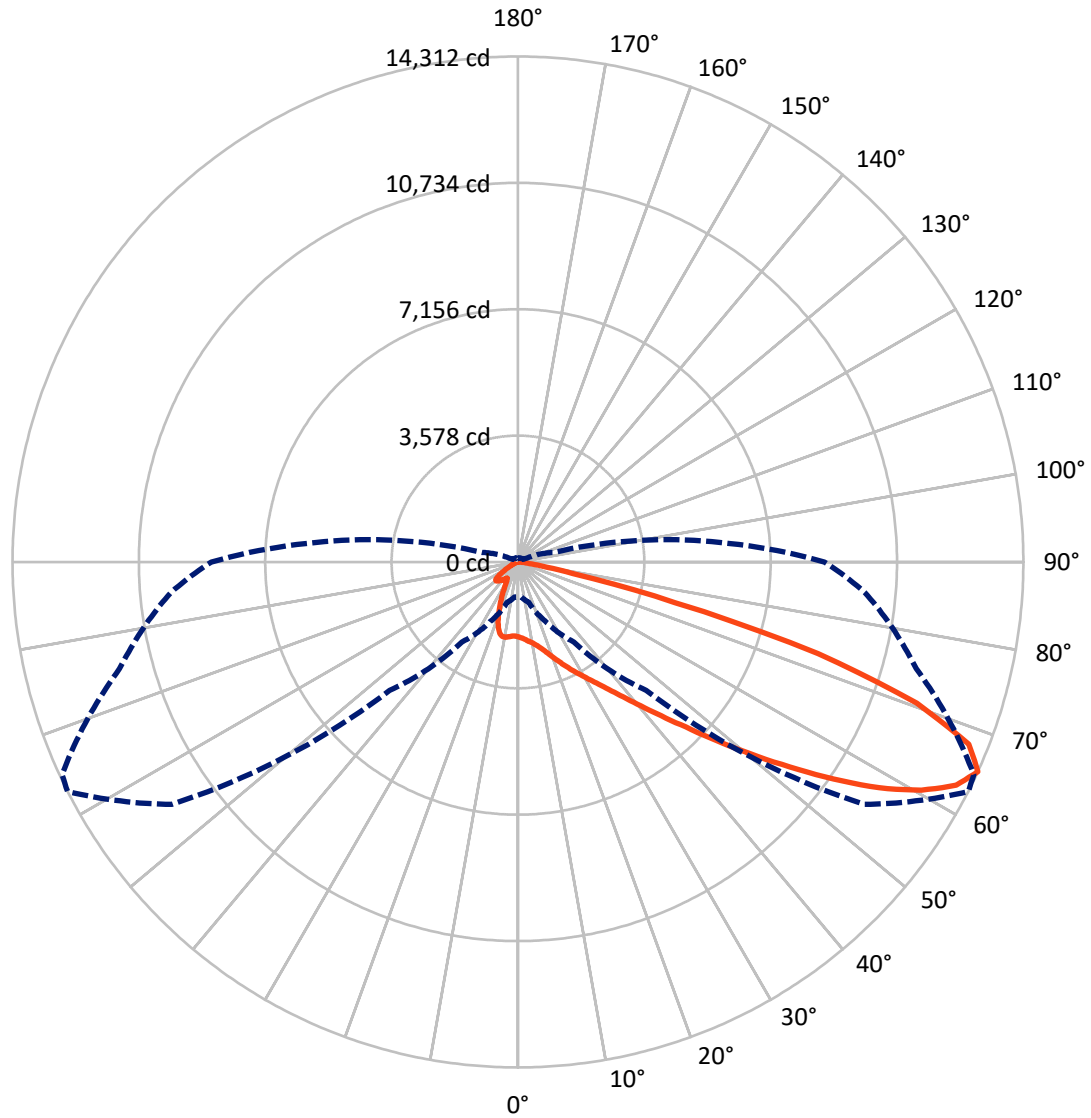
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P948478  
CATALOG NUMBER: GALN-SB3C-735-U-T2U-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P948478  
 CATALOG NUMBER: GALN-SB3C-735-U-T2U-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2524.3	0.0	2524.3
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	14648.7	0.0	14648.7
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	17173.0	0.0	17173.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.7	1.2
10°-20°	554.1	3.2
20°-30°	964.8	5.6
30°-40°	1738.9	10.1
40°-50°	3448.9	20.1
50°-60°	4697.9	27.4
60°-70°	3749.9	21.8
70°-80°	1696.9	9.9
80°-90°	122.0	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°	17173.0	100.0
0°-180°	17173.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P948478

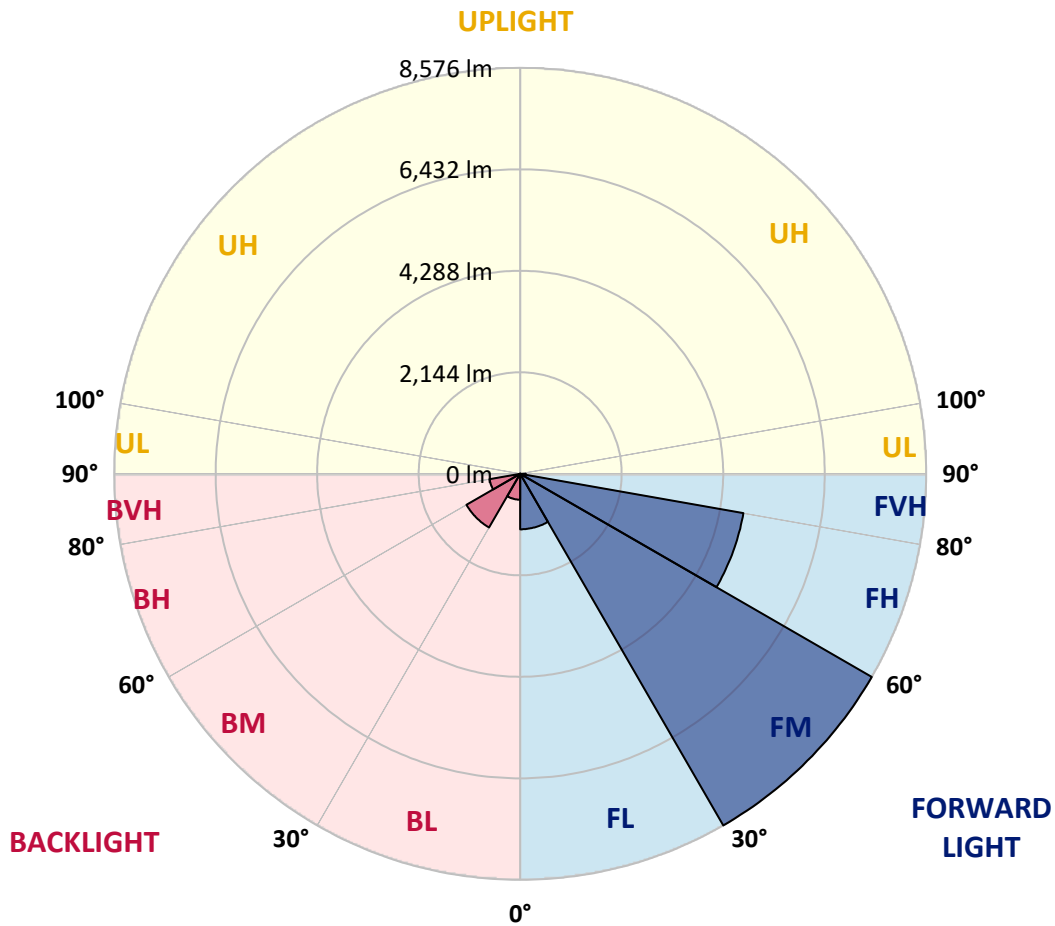
CATALOG NUMBER: GALN-SB3C-735-U-T2U-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.3	6.8			
FM (30°-60°)	8575.8	49.9			
FH (60°-80°)	4787.7	27.9			G2/5000
FVH (80°-90°)	112.9	0.7			G2/225
BL (0°-30°)	546.3	3.2	B2/1000		
BM (30°-60°)	1310.0	7.6	B2/2500		
BH (60°-80°)	659.0	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short



REPORT NUMBER: P948478

CATALOG NUMBER: GALN-SB3C-735-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5
2.5°	2169.1	2163.2	2171.5	2167.9	2165.5	2160.8	2158.5	2156.1	2151.4	2147.8
5°	2175.0	2171.5	2179.7	2186.8	2193.9	2201.0	2204.5	2209.3	2204.5	2195.1
7.5°	2125.4	2123.0	2140.7	2162.0	2193.9	2221.1	2250.6	2267.2	2268.3	2264.8
10°	2121.8	2115.9	2133.6	2159.6	2201.0	2249.4	2301.4	2336.9	2341.6	2356.9
12.5°	2177.4	2171.5	2196.3	2224.6	2267.2	2318.0	2381.7	2431.4	2438.5	2459.7
15°	2270.7	2262.4	2290.8	2327.4	2381.7	2439.6	2507.0	2551.9	2557.8	2583.8
17.5°	2379.4	2371.1	2404.2	2443.2	2502.3	2581.4	2659.4	2709.0	2716.1	2732.6
20°	2518.8	2508.2	2534.2	2569.6	2632.2	2726.7	2820.1	2890.9	2889.8	2889.8
22.5°	2680.6	2664.1	2686.6	2714.9	2774.0	2888.6	3012.6	3096.5	3096.5	3063.4
25°	2854.3	2837.8	2862.6	2888.6	2940.6	3070.5	3215.8	3319.8	3324.5	3267.8
27.5°	3071.7	3050.4	3069.3	3100.1	3130.8	3263.1	3435.6	3556.1	3558.4	3471.0
30°	3489.9	3429.7	3370.6	3337.5	3351.7	3482.8	3667.1	3800.6	3812.5	3691.9
32.5°	4255.5	4243.7	4035.7	3764.0	3622.2	3719.1	3925.9	4086.5	4093.6	3938.9
35°	5445.2	5431.0	5096.7	4579.2	4117.3	4035.7	4240.1	4430.3	4425.6	4250.8
37.5°	6865.2	6852.3	6411.6	5719.3	4971.4	4514.2	4645.4	4845.0	4874.6	4645.4
40°	8078.6	8030.1	7751.3	7083.8	6105.6	5308.1	5221.9	5354.2	5384.9	5113.2
42.5°	8997.7	8956.4	8814.6	8397.6	7478.4	6482.5	5901.2	5952.0	5986.3	5660.2
45°	9473.8	9464.4	9521.1	9482.1	8877.2	7923.8	6872.3	6660.9	6673.9	6266.3
47.5°	9541.2	9536.4	9795.2	10161.4	10079.9	9549.4	8118.7	7544.6	7498.5	6950.3
50°	9144.2	9134.8	9631.0	10317.4	10883.3	10915.2	9534.1	8540.5	8438.9	7658.0
52.5°	7876.5	7874.2	8689.4	9831.8	11165.6	12110.8	10932.9	9634.5	9464.4	8407.0
55°	6060.7	6104.4	7038.9	8389.3	10650.5	12686.1	12188.7	10849.0	10587.9	9160.8
57.5°	4293.3	4357.1	5281.0	6483.6	9053.2	12345.9	13038.2	12065.9	11784.7	9912.1
60°	2306.1	2362.8	3287.9	4723.3	6735.3	11077.0	13485.9	13122.1	12856.2	10625.7
62.5°	1374.0	1392.9	1775.7	3049.3	4555.6	8462.5	13295.7	13926.6	13708.0	11224.7
65°	986.5	990.0	1182.6	1861.9	2765.7	5141.6	11961.9	14311.8	14244.4	11676.0
67.5°	830.5	828.2	908.5	1236.9	1884.4	2575.5	9167.8	13767.1	14053.0	11961.9
70°	712.4	715.9	810.5	906.2	1416.5	1457.9	4557.9	11986.7	12596.3	12037.5
72.5°	530.5	542.3	629.7	825.8	1069.2	1003.0	1573.7	8887.8	9990.1	11341.7
75°	374.5	380.4	443.0	694.7	797.5	730.1	803.4	4594.6	6007.5	8695.3
77.5°	288.3	298.9	335.5	485.6	785.6	512.7	491.5	1590.2	2443.2	5252.6
80°	155.9	174.9	242.2	350.9	551.7	362.7	243.4	633.2	828.2	2456.2
82.5°	80.3	89.8	168.9	252.8	314.3	316.6	120.5	263.5	341.4	758.5
85°	31.9	39.0	113.4	139.4	161.9	155.9	54.3	106.3	122.9	210.3
87.5°	7.1	11.8	41.3	31.9	30.7	33.1	13.0	24.8	23.6	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948478  
 CATALOG NUMBER: GALN-SB3C-735-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2119.5	0°	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5	2119.5
2133.6	2.5°	2132.5	2127.7	2114.7	2100.6	2084.0	2074.6	2068.7	2067.5	2059.2	2053.3
2180.9	5°	2167.9	2163.2	2138.4	2108.8	2076.9	2052.1	2028.5	2007.2	1976.5	1970.6
2249.4	7.5°	2238.8	2225.8	2185.6	2145.5	2085.2	2013.1	1925.7	1825.3	1735.5	1708.3
2340.4	10°	2326.2	2308.5	2257.7	2186.8	2053.3	1857.2	1645.7	1449.6	1293.7	1249.9
2447.9	12.5°	2425.5	2410.1	2342.8	2211.6	1919.8	1564.2	1240.5	997.1	845.9	808.1
2562.5	15°	2543.6	2521.2	2427.8	2173.8	1681.2	1188.5	851.8	707.7	653.3	646.2
2693.6	17.5°	2668.8	2632.2	2503.4	2038.0	1359.8	844.7	658.1	616.7	593.1	586.0
2826.0	20°	2783.4	2736.2	2548.3	1832.4	1016.0	658.1	589.5	562.4	541.1	532.8
2958.3	22.5°	2898.0	2830.7	2548.3	1552.4	762.0	583.6	541.1	516.3	491.5	480.8
3100.1	25°	3017.4	2927.6	2503.4	1240.5	613.2	535.2	495.0	467.8	446.6	433.6
3234.7	27.5°	3133.1	3009.1	2400.7	945.1	545.8	492.7	452.5	426.5	406.4	397.0
3381.2	30°	3243.0	3089.4	2256.5	717.1	502.1	451.3	413.5	391.1	371.0	361.5
3571.4	32.5°	3391.9	3191.0	2102.9	588.3	464.3	412.3	378.1	356.8	339.1	332.0
3818.4	35°	3598.6	3341.1	1970.6	577.7	432.4	380.4	346.2	326.1	308.4	302.4
4137.3	37.5°	3891.6	3583.3	1900.9	648.6	406.4	352.1	320.2	298.9	282.4	277.6
4542.6	40°	4253.1	3911.7	1938.7	719.5	388.7	327.3	296.5	275.3	261.1	255.2
5008.1	42.5°	4682.0	4316.9	2147.8	773.8	376.9	306.0	274.1	250.5	241.0	238.6
5536.1	45°	5174.6	4762.3	2468.0	831.7	358.0	285.9	251.6	233.9	226.8	225.7
6110.3	47.5°	5734.6	5251.4	2839.0	903.8	339.1	267.0	233.9	222.1	216.2	213.8
6709.3	50°	6289.9	5744.1	3220.6	944.0	323.7	249.3	219.7	210.3	205.6	204.4
7342.5	52.5°	6871.2	6250.9	3528.9	906.2	310.7	235.1	207.9	200.8	196.1	194.9
7926.2	55°	7425.2	6660.9	3582.1	769.1	284.7	220.9	194.9	191.4	185.5	185.5
8518.1	57.5°	7902.5	6866.4	3206.4	564.7	258.7	199.7	181.9	178.4	173.7	172.5
9052.1	60°	8340.8	6807.4	2475.1	380.4	230.4	178.4	165.4	163.0	158.3	152.4
9516.4	62.5°	8587.8	6547.4	1693.0	248.1	202.0	155.9	146.5	145.3	134.7	122.9
9860.2	65°	8681.1	6013.4	1056.2	180.8	168.9	133.5	126.4	124.0	108.7	95.7
10055.1	67.5°	8599.6	5134.5	532.8	143.0	133.5	111.1	104.0	104.0	93.3	81.5
10043.3	70°	8273.5	3849.1	224.5	114.6	102.8	85.1	85.1	89.8	79.2	66.2
9522.3	72.5°	7565.8	2589.7	119.3	87.4	76.8	60.3	69.7	73.2	62.6	49.6
7793.8	75°	6014.6	1579.6	82.7	65.0	48.4	42.5	53.2	55.5	42.5	33.1
5343.6	77.5°	4113.7	907.3	55.5	41.3	30.7	24.8	36.6	34.3	22.4	15.4
2060.4	80°	1806.4	378.1	31.9	18.9	11.8	9.5	13.0	9.5	7.1	4.7
282.4	82.5°	211.5	88.6	11.8	7.1	4.7	2.4	1.2	0.0	0.0	0.0
86.2	85°	43.7	10.6	5.9	2.4	1.2	0.0	0.0	0.0	0.0	0.0
15.4	87.5°	8.3	2.4	1.2	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>
2119.5
2059.2
1968.3
1695.3
1233.4
797.5
639.1
582.4
528.1
474.9
428.9
397.0
362.7
332.0
302.4
276.5
254.0
238.6
224.5
213.8
204.4
194.9
184.3
171.3
151.2
120.5
94.5
80.3
65.0
49.6
31.9
16.5
4.7
0.0
0.0
0.0
0.0

F REPORT)