

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: P943224

Luminaire Tested: **GALN-SB7C-835-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36074 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

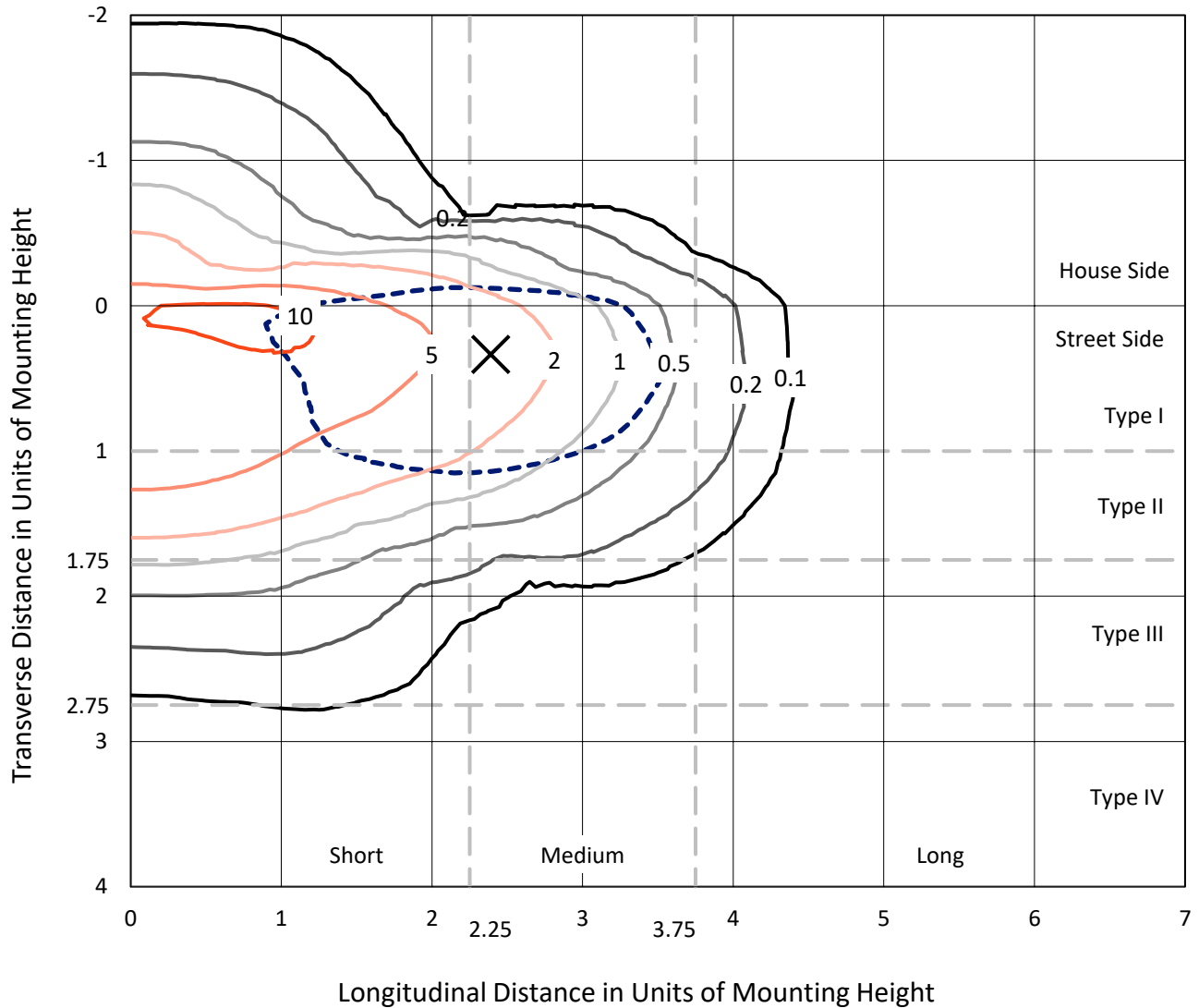
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943224
 CATALOG NUMBER: GALN-SB7C-835-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

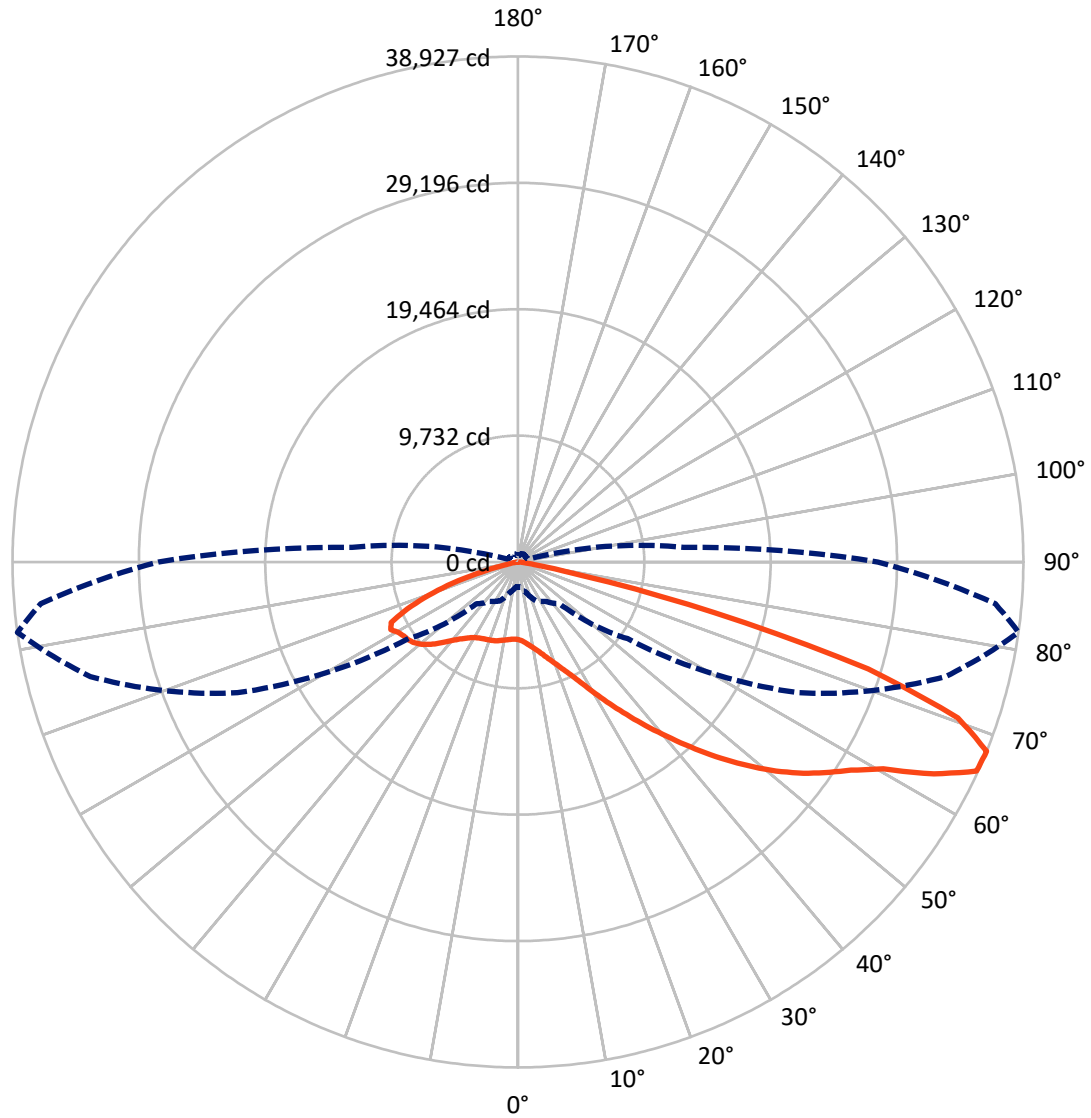
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P943224
CATALOG NUMBER: GALN-SB7C-835-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P943224
 CATALOG NUMBER: GALN-SB7C-835-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6534.5	0.0	6534.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	29539.5	0.0	29539.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	36074.0	0.0	36074.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.4	1.5
10°-20°	1383.6	3.8
20°-30°	2216.1	6.1
30°-40°	3918.7	10.9
40°-50°	6865.9	19.0
50°-60°	9157.2	25.4
60°-70°	8524.9	23.6
70°-80°	3271.9	9.1
80°-90°	203.2	0.6
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°	36074.0	100.0
0°-180°	36074.0	100.0



REPORT NUMBER: P943224

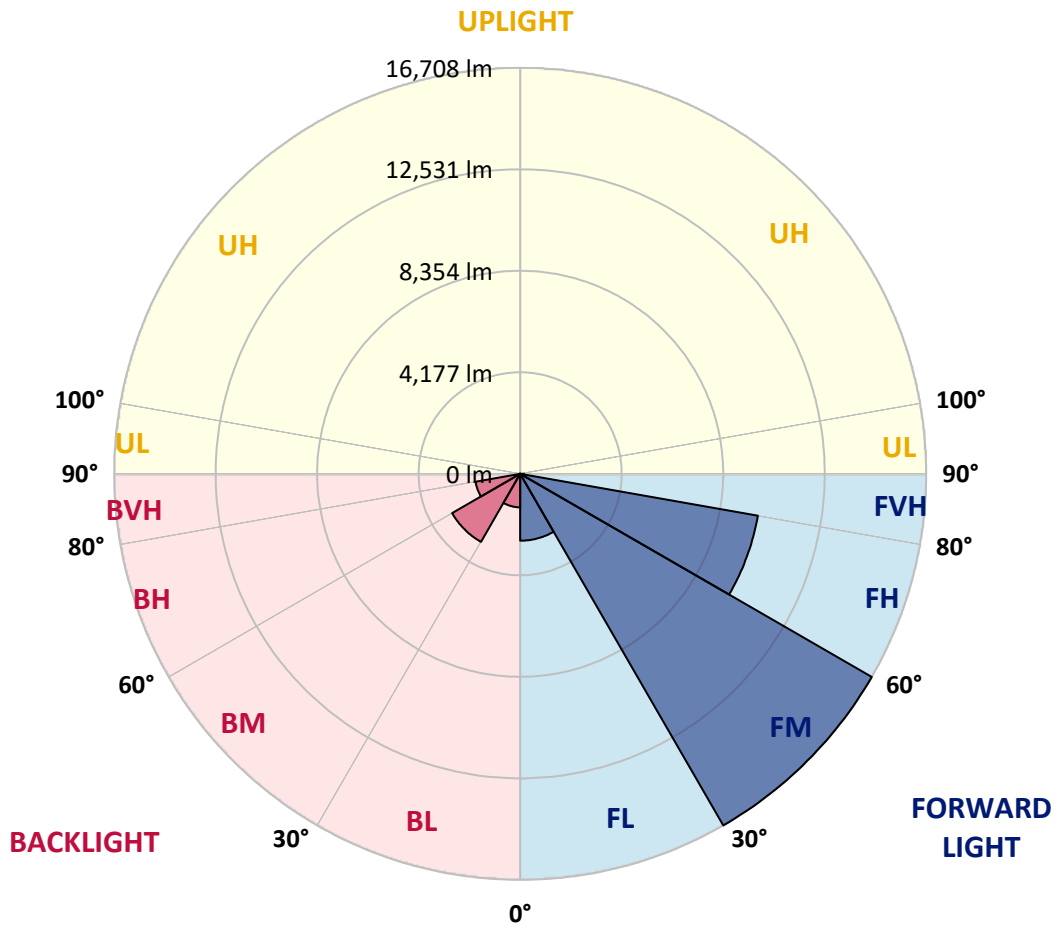
CATALOG NUMBER: GALN-SB7C-835-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2752.0	7.6			
FM (30°-60°)	16708.0	46.3			
FH (60°-80°)	9931.7	27.5			G4/12000
FVH (80°-90°)	147.7	0.4			G2/225
BL (0°-30°)	1380.1	3.8	B3/2500		
BM (30°-60°)	3233.9	9.0	B3/5000		
BH (60°-80°)	1865.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	55.5	0.2			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 Medium



REPORT NUMBER: P943224

CATALOG NUMBER: GALN-SB7C-835-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2
2.5°	6316.5	6352.8	6332.1	6321.7	6303.5	6277.5	6256.7	6191.8	6124.3	6080.1
5°	6443.7	6480.1	6477.5	6487.9	6500.9	6508.7	6503.5	6430.8	6334.7	6259.3
7.5°	6334.7	6376.2	6410.0	6461.9	6552.8	6648.9	6695.7	6680.1	6581.4	6477.5
10°	6025.6	6069.7	6150.3	6272.3	6464.5	6672.3	6846.3	6926.8	6864.5	6750.2
12.5°	5459.4	5503.5	5662.0	5926.9	6249.0	6610.0	6942.4	7158.0	7173.6	7059.3
15°	4823.1	4867.2	5036.0	5368.5	5859.4	6438.5	6994.4	7402.1	7539.8	7441.1
17.5°	4428.3	4467.2	4594.5	4862.0	5373.7	6095.7	6976.2	7661.8	7976.1	7898.2
20°	4308.8	4342.6	4402.3	4589.3	5015.3	5739.9	6856.7	7906.0	8446.2	8402.1
22.5°	4436.1	4467.2	4485.4	4568.5	4836.1	5506.1	6706.1	8155.3	8991.6	8996.8
25°	4729.6	4760.7	4740.0	4791.9	4908.8	5433.4	6648.9	8448.8	9677.3	9734.4
27.5°	5212.7	5215.3	5165.9	5163.3	5181.5	5542.5	6708.7	8763.1	10542.2	10648.7
30°	6181.4	6142.5	5952.9	5747.7	5654.2	5869.8	6874.9	9134.5	11562.9	11752.5
32.5°	7674.8	7617.7	7269.7	6778.8	6285.3	6397.0	7173.6	9557.8	12674.5	13017.3
35°	9295.5	9279.9	8916.3	8186.5	7324.2	7147.6	7659.3	10113.6	13887.4	14432.8
37.5°	10801.9	10794.1	10586.3	9726.7	8677.4	8194.3	8438.4	10840.9	15186.0	15975.6
40°	12178.4	12201.8	11994.0	11225.3	10168.2	9537.1	9498.1	11739.5	16630.1	17656.0
42.5°	13368.0	13393.9	13183.6	12614.8	11640.8	11022.7	10799.3	12840.7	18040.4	19461.1
45°	14175.7	14336.7	14305.6	13851.1	13152.4	12510.9	12362.8	14222.5	19648.1	21375.3
47.5°	14404.3	14552.3	14786.1	14848.4	14422.5	13791.3	13967.9	15887.3	21274.0	23292.0
50°	13840.7	13978.3	14464.0	15110.7	15406.8	15212.0	15528.9	17671.6	22938.8	25203.6
52.5°	12729.1	12869.3	13482.3	14505.6	15713.3	16326.2	17095.0	19429.9	24551.7	27013.9
55°	11121.4	11269.4	12056.4	13214.7	15128.9	16785.9	18401.4	21185.7	26029.5	28642.3
57.5°	8934.5	9043.6	9861.7	11482.4	13658.9	16328.8	19365.0	23102.4	27421.6	30242.2
60°	5823.0	5919.1	6869.7	8677.4	11222.7	14801.7	19557.2	25239.9	29270.9	32322.6
62.5°	3872.5	3937.4	4501.0	5828.2	7903.4	11869.4	18432.6	26946.3	31982.4	35943.2
65°	2657.0	2721.9	3285.5	4210.1	5106.2	7851.4	15199.0	26720.4	34439.4	38818.3
67.5°	1896.0	1950.5	2428.4	3301.1	3695.9	4560.7	10303.2	23832.2	34086.1	38927.4
70°	1358.4	1389.5	1784.3	2571.3	2937.5	2740.1	5729.5	18227.4	29844.8	35945.8
72.5°	950.6	961.0	1238.9	1958.3	2366.1	1999.9	2727.1	12152.5	22572.6	28213.8
75°	644.1	657.1	833.7	1436.3	1898.6	1527.2	1444.1	6516.5	13251.1	15617.2
77.5°	394.8	400.0	537.6	981.8	1420.7	1163.6	929.8	2760.9	5126.9	5033.4
80°	223.4	223.4	342.8	610.4	968.8	750.6	651.9	1174.0	1623.3	1425.9
82.5°	124.7	127.3	249.3	379.2	641.5	444.1	358.4	542.8	701.3	620.7
85°	51.9	57.1	153.2	179.2	306.5	220.8	145.4	228.6	259.7	231.2
87.5°	5.2	7.8	46.8	33.8	36.4	44.2	20.8	44.2	36.4	36.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943224
 CATALOG NUMBER: GALN-SB7C-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5976.2	0°	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2	5976.2
6064.5	2.5°	6015.2	5976.2	5877.5	5763.3	5612.6	5539.9	5441.2	5373.7	5316.5	5321.7
6215.2	5°	6132.1	6033.4	5812.6	5537.3	5194.5	4950.3	4690.6	4511.4	4366.0	4334.8
6423.0	7.5°	6293.1	6137.3	5750.3	5254.2	4675.0	4236.1	3843.9	3592.0	3412.8	3355.6
6674.9	10°	6500.9	6274.9	5669.8	4898.4	4064.7	3506.3	3085.5	2888.1	2766.1	2724.5
6971.0	12.5°	6742.4	6433.4	5563.3	4464.6	3436.1	2898.5	2631.0	2532.3	2493.3	2480.4
7334.6	15°	7046.3	6630.7	5402.3	3950.4	2903.7	2527.1	2412.8	2399.8	2405.0	2399.8
7770.9	17.5°	7407.3	6846.3	5139.9	3420.6	2545.3	2337.5	2296.0	2306.3	2319.3	2316.7
8259.2	20°	7802.1	7059.3	4804.9	2950.5	2301.2	2202.5	2179.1	2189.5	2199.9	2194.7
8822.8	22.5°	8251.4	7287.8	4433.5	2584.3	2137.5	2077.8	2051.8	2054.4	2054.4	2044.0
9537.1	25°	8789.0	7539.8	4043.9	2324.5	2012.9	1966.1	1934.9	1924.6	1909.0	1877.8
10404.5	27.5°	9430.6	7807.3	3669.9	2142.7	1914.2	1870.0	1833.6	1807.7	1768.7	1716.8
11446.0	30°	10152.6	8131.9	3353.0	2028.4	1836.2	1792.1	1750.5	1711.6	1654.4	1589.5
12643.3	32.5°	11001.9	8480.0	3121.9	1953.1	1766.1	1719.4	1670.0	1623.3	1560.9	1496.0
13988.7	35°	12014.8	8900.7	2986.8	1901.2	1711.6	1649.2	1594.7	1542.8	1496.0	1438.9
15451.0	37.5°	13113.4	9347.5	2945.3	1875.2	1675.2	1579.1	1516.8	1480.4	1475.2	1441.5
17032.7	40°	14316.0	9877.3	2976.4	1859.6	1636.3	1511.6	1444.1	1436.3	1449.3	1389.5
18723.5	42.5°	15588.6	10505.8	3028.4	1841.4	1581.7	1444.1	1379.1	1379.1	1368.7	1285.6
20510.4	45°	16965.1	11230.5	3080.3	1797.3	1516.8	1376.5	1327.2	1309.0	1264.9	1184.3
22307.7	47.5°	18352.1	11968.1	3119.3	1716.8	1438.9	1319.4	1275.2	1233.7	1168.8	1096.0
24071.2	50°	19668.9	12630.4	3077.7	1597.3	1350.6	1264.9	1218.1	1161.0	1090.8	1041.5
25741.2	52.5°	20845.4	13204.3	2901.1	1457.0	1257.1	1207.7	1166.2	1106.4	1049.3	997.3
27247.6	55°	21868.7	13669.3	2589.4	1324.6	1174.0	1158.4	1116.8	1041.5	963.6	919.4
28741.0	57.5°	22850.5	14022.5	2199.9	1215.5	1098.6	1103.8	1041.5	974.0	901.2	854.5
30753.9	60°	24156.9	14495.2	1805.1	1114.2	1018.1	1033.7	966.2	916.8	825.9	766.2
34205.6	62.5°	26245.1	15230.2	1433.7	989.5	924.6	929.8	901.2	841.5	732.4	662.3
36763.9	65°	27902.1	14960.1	1129.8	854.5	818.1	825.9	825.9	761.0	644.1	563.6
36901.5	67.5°	27715.1	12809.6	901.2	722.0	716.8	722.0	740.2	685.7	571.4	506.5
34091.3	70°	25530.8	10189.0	722.0	600.0	623.3	610.4	662.3	625.9	514.3	449.3
26429.5	72.5°	20832.4	7339.8	550.6	496.1	477.9	498.7	597.4	563.6	428.5	355.8
13999.1	75°	12173.2	3916.6	410.4	392.2	345.4	415.6	529.8	480.5	327.3	262.3
4290.6	77.5°	3963.4	1366.1	301.3	288.3	257.1	335.0	451.9	405.2	267.5	207.8
1257.1	80°	1062.3	413.0	205.2	189.6	166.2	249.3	358.4	322.1	192.2	135.1
540.2	82.5°	425.9	174.0	119.5	106.5	90.9	171.4	283.1	259.7	142.8	85.7
168.8	85°	137.7	57.1	44.2	33.8	41.6	106.5	168.8	176.6	101.3	44.2
26.0	87.5°	18.2	7.8	7.8	10.4	7.8	18.2	51.9	49.3	28.6	5.2
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>
5976.2
5269.8
4264.7
3298.5
2693.3
2472.6
2397.2
2311.5
2192.1
2038.8
1872.6
1711.6
1584.3
1498.6
1433.7
1438.9
1392.1
1285.6
1181.7
1093.4
1033.7
992.1
914.2
849.3
758.4
657.1
555.8
496.1
441.5
348.0
254.5
200.0
132.5
85.7
33.8
0.0
0.0

F REPORT)