

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: P954672

Luminaire Tested: **GALN-SB7D-835-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7D-835-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68370 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

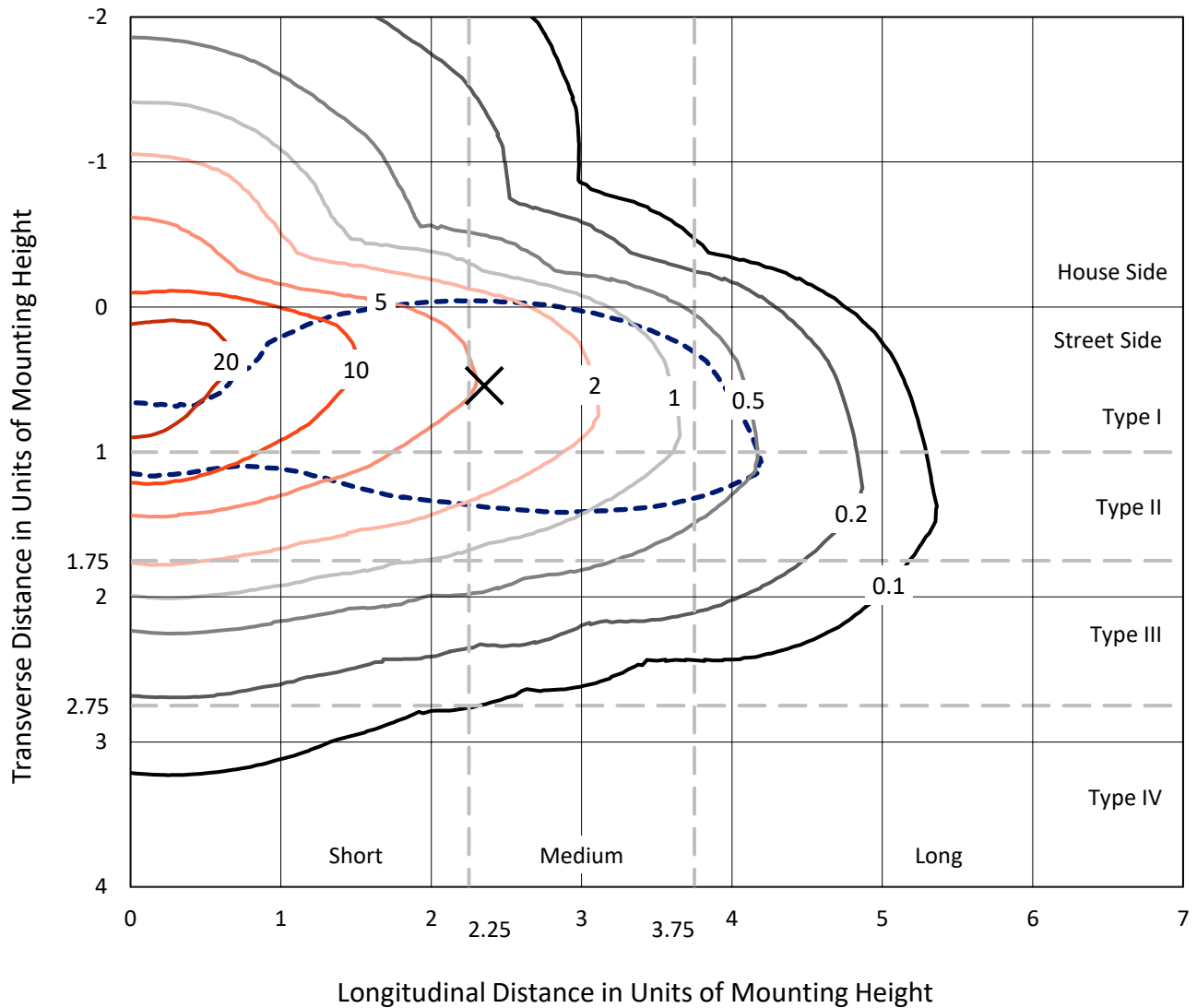
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954672
 CATALOG NUMBER: GALN-SB7D-835-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

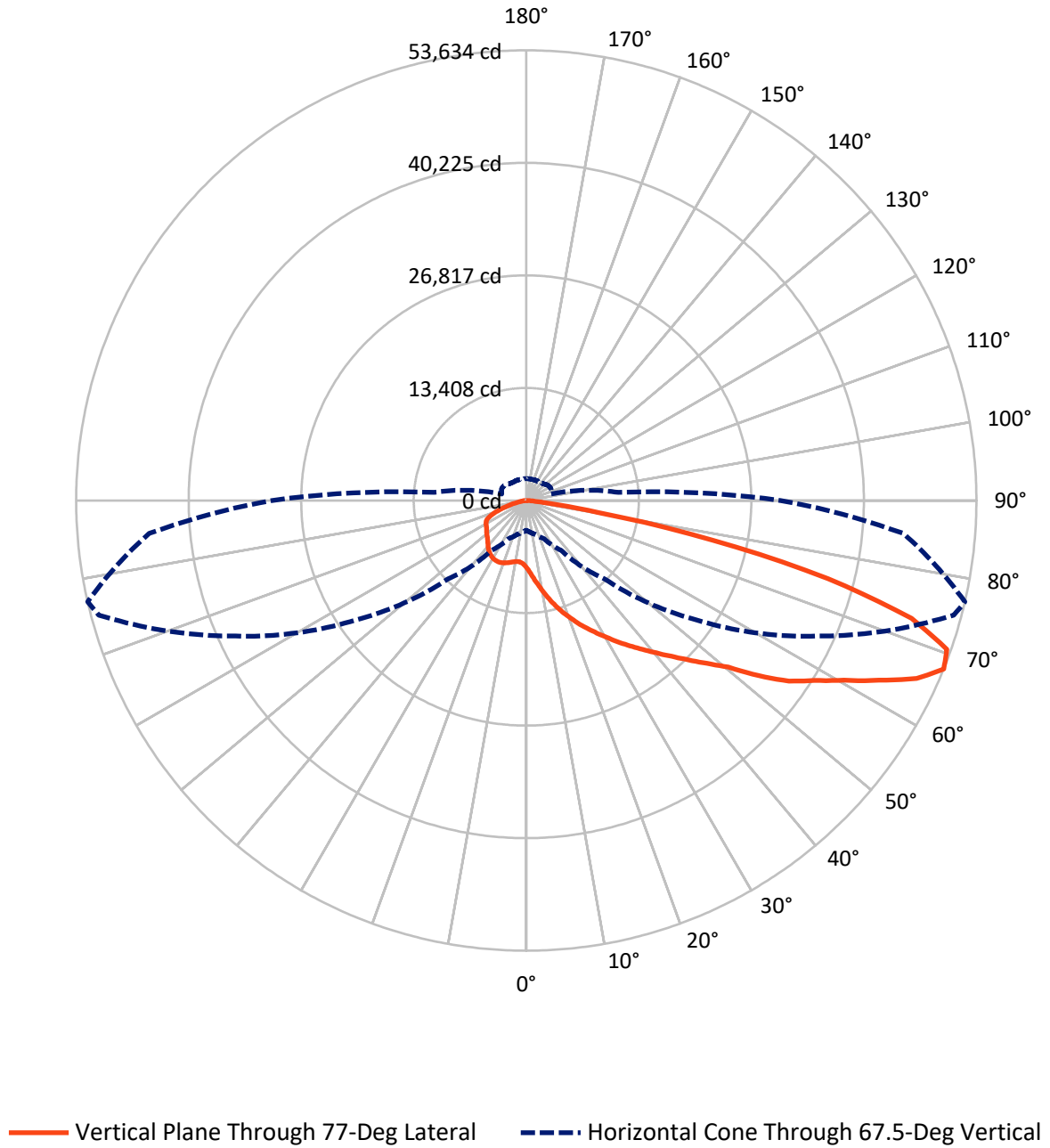
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P954672
CATALOG NUMBER: GALN-SB7D-835-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P954672
 CATALOG NUMBER: GALN-SB7D-835-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12932.9	0.0	12932.9
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	55437.1	0.0	55437.1
	% Fixture	81.1	0.0	81.1
Total	Lumens	68370.0	0.0	68370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.8	1.3
10°-20°	3089.1	4.5
20°-30°	5832.5	8.5
30°-40°	9396.0	13.7
40°-50°	12852.0	18.8
50°-60°	14497.2	21.2
60°-70°	13531.3	19.8
70°-80°	7417.4	10.8
80°-90°	894.7	1.3
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°	68370.0	100.0
0°-180°	68370.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954672

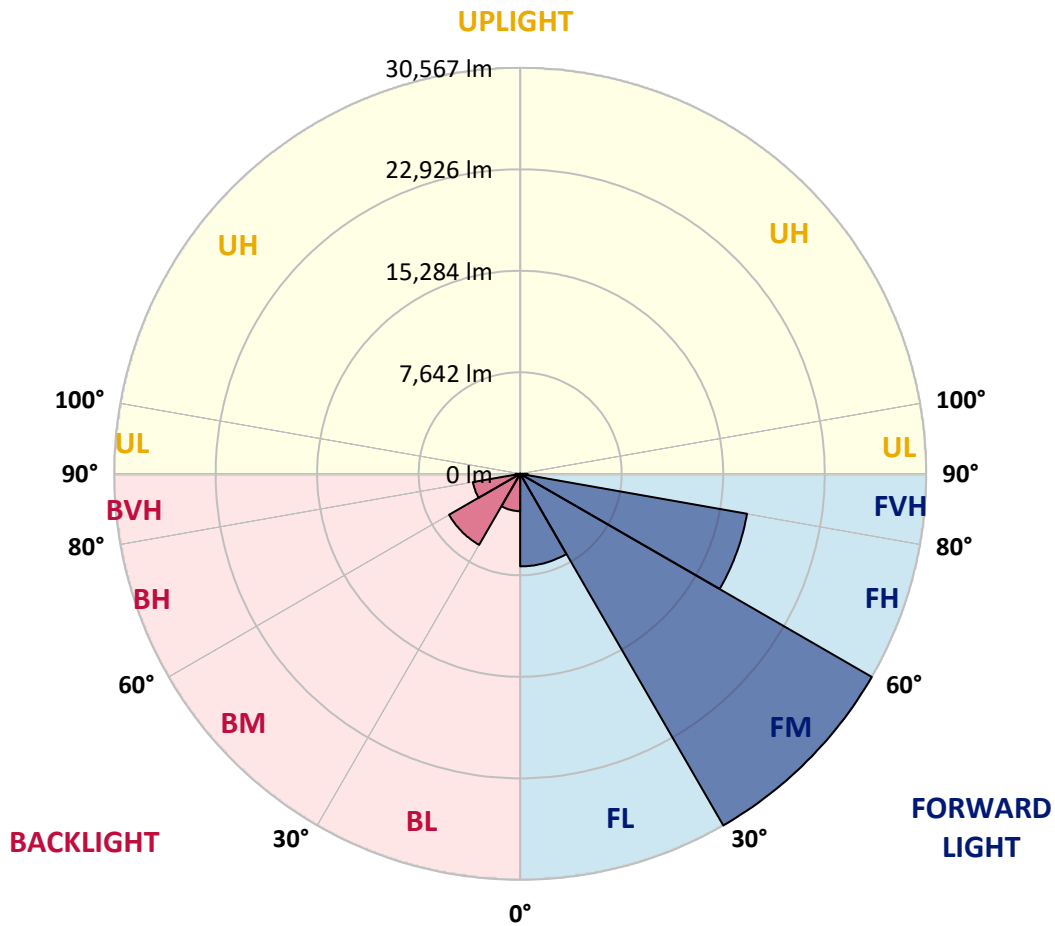
CATALOG NUMBER: GALN-SB7D-835-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6969.5	10.2			
FM (30°-60°)	30567.5	44.7			
FH (60°-80°)	17340.7	25.4			G5
FVH (80°-90°)	559.5	0.8			G4/750
BL (0°-30°)	2811.9	4.1	B4/5000		
BM (30°-60°)	6177.7	9.0	B4/8500		
BH (60°-80°)	3608.1	5.3	B4/5000		G4/5000
BVH (80°-90°)	335.2	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



REPORT NUMBER: P954672
 CATALOG NUMBER: GALN-SB7D-835-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9
2.5°	10044.2	10114.8	10026.5	10026.5	9730.1	9574.8	9278.3	9052.5	8646.6	8576.0
5°	11872.3	11960.5	11837.0	11784.1	11434.7	11113.5	10615.9	10125.3	9401.9	9327.7
7.5°	13287.5	13400.5	13291.1	13234.6	12924.0	12564.0	11981.7	11297.0	10277.1	10132.4
10°	14441.6	14459.2	14423.9	14445.1	14201.6	13905.1	13308.7	12511.1	11237.0	11039.4
12.5°	15094.5	15175.7	15246.2	15373.3	15330.9	15147.4	14611.0	13658.1	12253.5	11999.4
15°	15401.5	15542.7	15701.5	15994.4	16230.9	16276.8	15867.4	14889.8	13287.5	12980.5
17.5°	15510.9	15645.0	15895.6	16319.1	16827.3	17169.7	16986.2	16086.2	14311.0	13958.1
20°	16065.0	16103.8	16255.6	16657.9	17208.5	17776.7	17914.3	17236.7	15323.9	14925.1
22.5°	17250.8	17173.2	17215.6	17399.1	17794.3	18344.9	18659.0	18253.1	16365.0	15906.2
25°	19209.6	18983.7	18757.8	18546.1	18747.2	19057.8	19414.3	19269.6	17455.5	16873.2
27.5°	21683.5	21408.3	20910.6	20215.4	19971.9	20081.3	20240.1	20211.9	18464.9	17875.5
30°	24118.7	23797.6	23204.6	22198.8	21556.5	21267.1	21147.1	21065.9	19562.5	18934.3
32.5°	26063.3	25809.2	25226.9	24101.1	23169.4	22675.3	22276.5	21987.1	20709.5	20081.3
35°	27764.4	27527.9	26860.9	25632.8	24619.9	24094.0	23571.7	22954.1	21902.4	21267.1
37.5°	29317.3	29080.8	28166.7	26889.2	25869.2	25505.7	25039.8	23991.7	23098.8	22498.8
40°	30298.4	30245.4	29391.4	27944.4	26885.6	26705.6	26550.3	25195.1	24425.8	23868.1
42.5°	30549.0	30665.4	29987.8	28798.5	27789.1	27644.4	28007.9	26557.4	25915.1	25382.2
45°	29945.5	30280.7	29836.1	29027.9	28431.4	28353.8	29299.6	28046.7	27563.2	27076.2
47.5°	28417.3	28985.5	28802.0	28689.1	28604.4	28939.6	30436.0	29627.8	29430.2	29006.7
50°	25332.8	26409.2	26730.3	27443.2	28262.0	29394.9	31470.1	31353.6	31611.3	31184.2
52.5°	20000.1	21482.4	23345.8	25131.6	27210.3	29243.1	32606.5	33831.1	34918.1	34685.2
55°	16509.7	17176.7	18609.6	21884.7	25170.4	28604.4	33118.2	35832.2	38200.3	37992.1
57.5°	13827.5	14423.9	15306.2	18041.4	22085.9	27153.8	33435.9	37053.3	40448.4	40427.3
60°	10951.2	11582.9	12486.4	14423.9	18482.5	24648.1	33365.3	38443.8	43317.7	43494.2
62.5°	7704.3	8399.6	9401.9	11208.8	14801.6	21401.2	31925.4	39449.7	46695.2	47175.1
65°	5064.4	5523.2	6278.5	7838.4	11028.8	17226.1	29176.1	39580.2	50309.1	51120.8
67.5°	3550.4	3726.9	4171.5	5018.6	7270.2	13209.9	24796.3	38228.5	52719.5	53633.6
70°	2770.4	2858.7	3084.5	3423.3	4566.8	8883.1	19001.3	34713.4	52204.3	53157.2
72.5°	2392.8	2477.5	2562.2	2604.6	3063.4	5484.4	12871.1	29024.3	47351.6	47997.4
75°	2170.5	2191.6	2262.2	2248.1	2336.3	3557.5	7429.0	21147.1	37360.4	37138.0
77.5°	1824.6	1852.8	1969.3	1951.7	2075.2	2431.6	3857.4	13647.5	24221.1	22710.6
80°	1545.8	1559.9	1687.0	1665.8	1803.4	1761.1	1969.3	6956.1	10273.6	8703.1
82.5°	536.4	663.5	1288.2	1327.0	1376.4	1065.8	1136.4	2837.5	3137.5	2403.4
85°	261.2	278.8	656.4	931.7	928.2	536.4	554.1	1012.9	988.2	776.4
87.5°	42.4	52.9	77.6	363.5	289.4	141.2	190.6	197.6	204.7	176.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954672
 CATALOG NUMBER: GALN-SB7D-835-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8021.9	0°	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9	8021.9
8307.8	2.5°	8110.2	7933.7	7563.1	7220.8	6952.6	6694.9	6550.2	6426.7	6356.1	6342.0
8696.0	5°	8329.0	7965.5	7291.4	6723.2	6352.6	6077.3	5932.6	5840.9	5795.0	5766.8
9218.3	7.5°	8643.1	8110.2	7150.2	6504.4	6116.1	5918.5	5844.4	5830.3	5826.7	5830.3
9850.1	10°	9077.2	8346.6	7136.1	6451.4	6126.7	6017.3	6013.8	6017.3	6031.4	6035.0
10538.3	12.5°	9546.5	8590.1	7192.6	6497.3	6260.8	6200.8	6190.3	6186.7	6197.3	6204.4
11233.5	15°	10058.3	8911.3	7287.8	6596.1	6409.1	6345.5	6335.0	6313.8	6310.3	6306.7
11964.1	17.5°	10584.1	9228.9	7393.7	6702.0	6504.4	6416.1	6377.3	6327.9	6289.1	6278.5
12719.3	20°	11117.1	9543.0	7467.8	6754.9	6511.4	6387.9	6310.3	6225.6	6158.5	6119.7
13481.6	22.5°	11685.3	9871.2	7513.7	6740.8	6447.9	6278.5	6137.3	6038.5	5936.2	5869.1
14251.0	25°	12239.3	10157.1	7510.2	6666.7	6324.4	6109.1	5929.1	5802.0	5660.9	5590.3
15045.1	27.5°	12772.3	10414.7	7422.0	6536.1	6147.9	5907.9	5692.6	5540.9	5403.2	5336.2
15846.2	30°	13322.8	10630.0	7284.3	6345.5	5939.7	5675.0	5438.5	5308.0	5184.4	5120.9
16693.2	32.5°	13869.8	10827.7	7090.2	6109.1	5699.7	5445.6	5212.7	5092.7	5018.6	5018.6
17603.8	35°	14448.6	10965.3	6832.6	5833.8	5445.6	5202.1	5018.6	4948.0	4940.9	4898.6
18567.2	37.5°	15059.2	11053.5	6518.5	5551.5	5195.0	4965.6	4909.1	4824.4	4753.9	4662.1
19626.0	40°	15701.5	11141.8	6140.8	5258.5	4930.3	4803.3	4778.6	4665.6	4464.5	4238.6
20825.9	42.5°	16481.5	11201.8	5749.1	4965.6	4651.5	4609.2	4644.5	4450.4	4129.2	3959.8
22272.9	45°	17385.0	11300.6	5389.1	4676.2	4365.6	4365.6	4513.9	4259.8	3995.1	3889.2
23924.6	47.5°	18556.7	11530.0	5053.8	4358.6	4101.0	4171.5	4224.5	4030.4	3882.1	3751.6
25936.3	50°	20250.7	12080.5	4708.0	4037.4	3899.8	4041.0	3966.8	3853.9	3681.0	3575.1
29133.7	52.5°	22354.1	12405.2	4400.9	3748.0	3726.9	3868.0	3762.2	3656.3	3525.7	3384.5
31558.3	55°	23787.0	12465.2	4143.3	3536.3	3610.4	3596.3	3557.5	3462.2	3391.6	3204.5
33951.1	57.5°	25389.2	12585.2	3931.6	3409.2	3536.3	3381.0	3366.9	3285.7	3193.9	3066.9
36869.8	60°	27305.6	12772.3	3748.0	3359.8	3472.8	3239.8	3169.2	3137.5	3045.7	2982.2
40381.4	62.5°	29394.9	12941.7	3561.0	3366.9	3398.6	3102.2	2996.3	2985.7	2929.3	2908.1
43677.7	65°	30820.7	12479.3	3328.1	3359.8	3282.2	2961.0	2826.9	2823.4	2777.5	2770.4
45107.0	67.5°	30323.1	11014.7	3014.0	3261.0	3162.2	2819.8	2671.6	2657.5	2597.5	2601.0
43614.1	70°	27831.5	8925.4	2579.9	3017.5	3014.0	2692.8	2509.3	2463.4	2382.2	2396.3
37921.5	72.5°	23158.8	6613.8	1997.5	2611.6	2777.5	2576.3	2322.2	2248.1	2145.8	2159.9
27993.8	75°	16725.0	4496.2	1454.0	1987.0	2417.5	2438.7	2138.7	2011.7	1888.1	1909.3
15581.5	77.5°	8558.4	2548.1	1069.4	1369.3	1898.7	2216.4	1972.8	1803.4	1775.2	1972.8
4492.7	80°	2791.6	1277.6	741.1	959.9	1245.8	1814.0	1729.3	1535.2	1528.2	1574.0
942.3	82.5°	832.9	540.0	476.4	631.7	688.2	1390.5	1492.9	1161.1	998.8	1051.7
314.1	85°	285.9	261.2	271.8	314.1	328.2	815.3	1044.7	769.4	727.0	801.1
70.6	87.5°	67.1	91.8	77.6	70.6	70.6	197.6	405.9	321.2	444.7	296.5
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>
8021.9
6342.0
5763.2
5840.9
6038.5
6207.9
6303.2
6289.1
6133.8
5872.6
5590.3
5332.7
5117.4
5022.1
4888.0
4648.0
4206.8
3963.3
3906.9
3748.0
3564.5
3356.3
3208.1
3024.5
2999.8
2908.1
2766.9
2601.0
2410.5
2156.4
1916.4
1944.6
1351.7
1087.0
790.5
285.9
0.0

F REPORT)