

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: P955640

Luminaire Tested: **GALN-SB8C-740-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-740-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64927 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

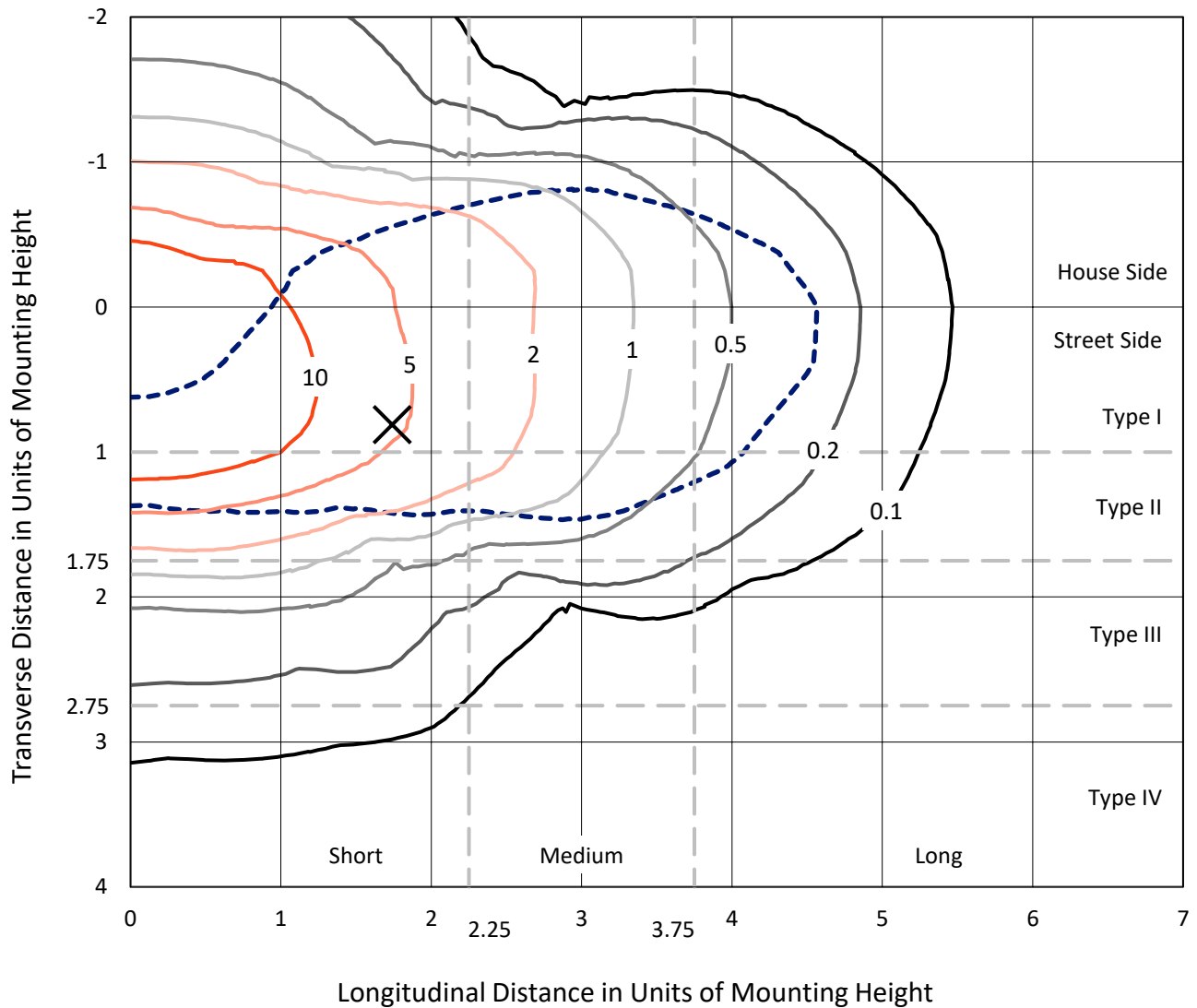
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955640
 CATALOG NUMBER: GALN-SB8C-740-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

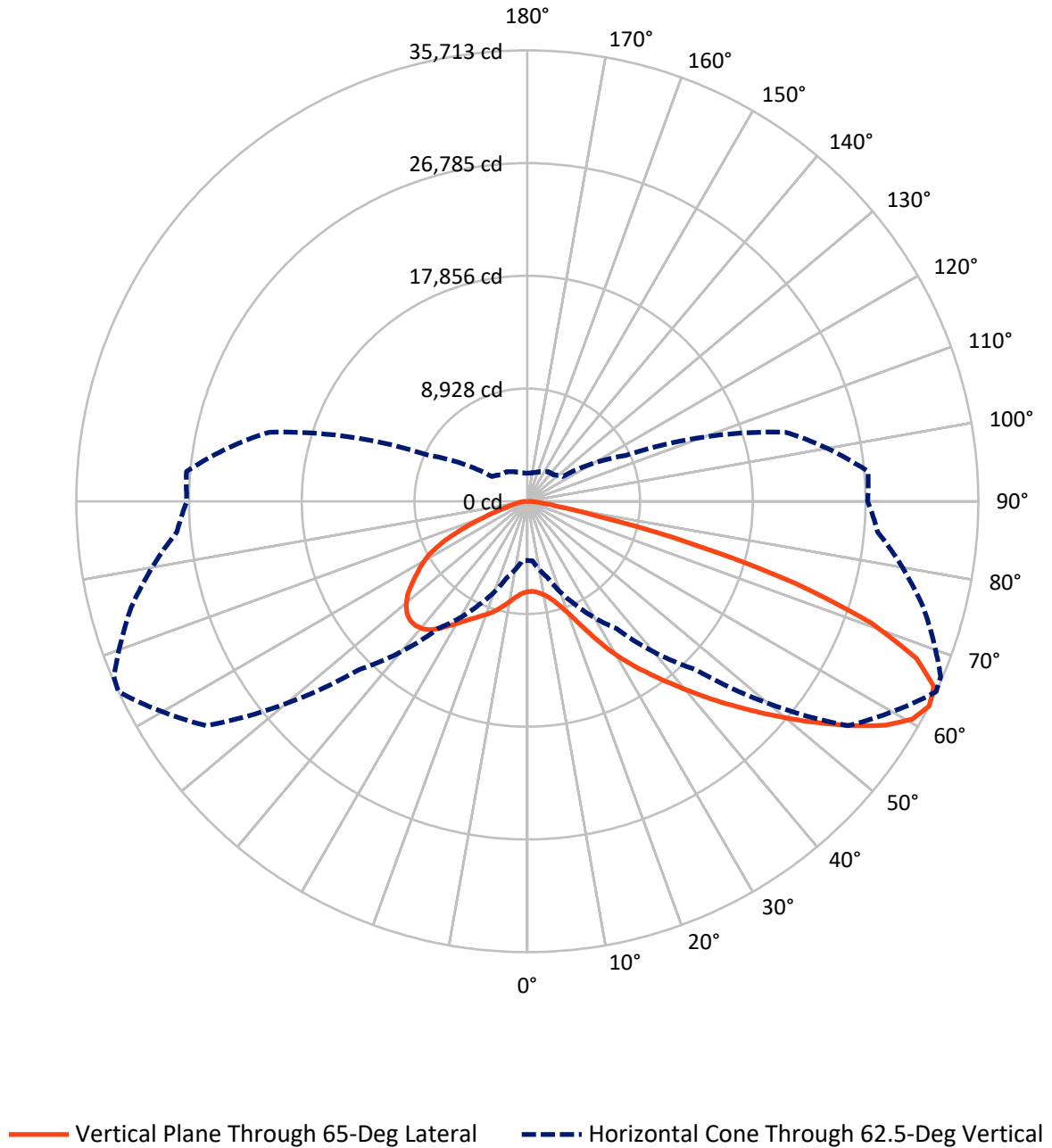
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc
 Type II - Short - N/A

REPORT NUMBER: P955640
CATALOG NUMBER: GALN-SB8C-740-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P955640
 CATALOG NUMBER: GALN-SB8C-740-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20488.1	0.0	20488.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	44438.9	0.0	44438.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	64927.0	0.0	64927.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.3	1.1
10°-20°	2418.9	3.7
20°-30°	4904.6	7.6
30°-40°	8487.3	13.1
40°-50°	12843.9	19.8
50°-60°	15058.7	23.2
60°-70°	12624.9	19.4
70°-80°	6970.0	10.7
80°-90°	905.4	1.4
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°	64927.0	100.0
0°-180°	64927.0	100.0

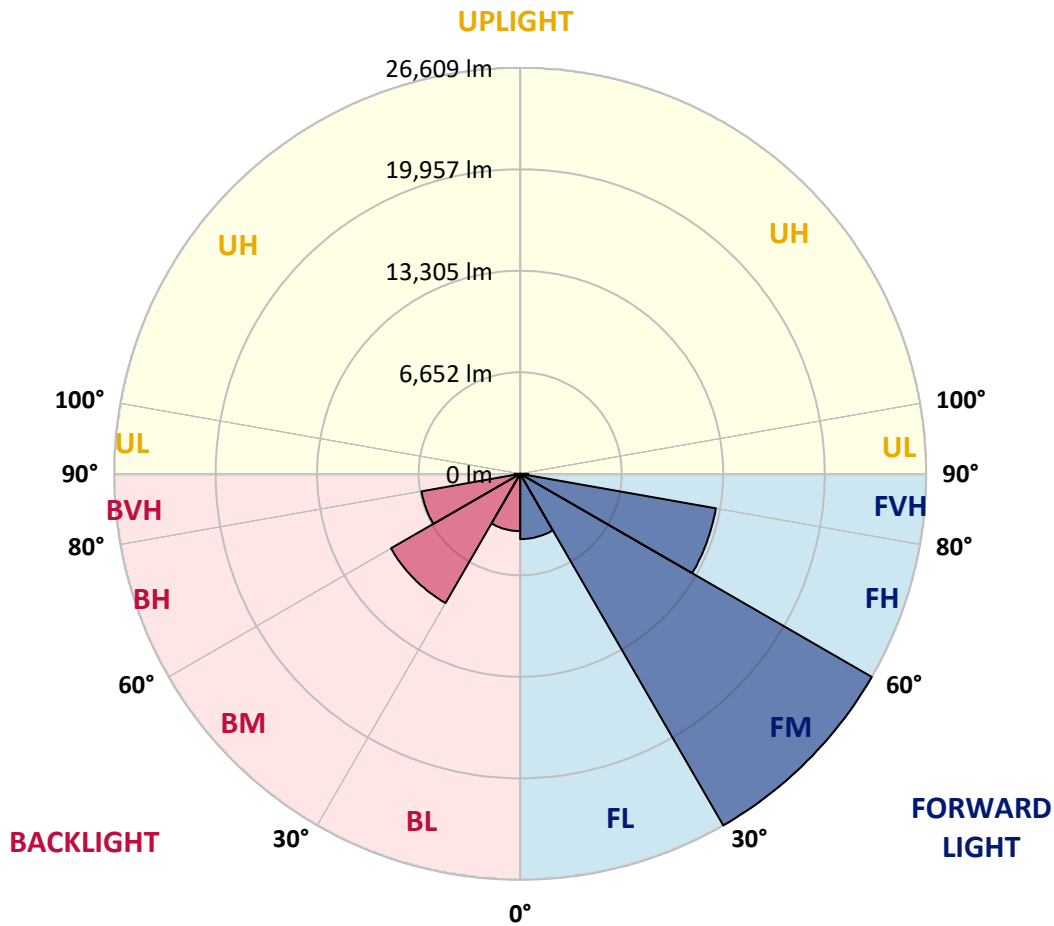


REPORT NUMBER: P955640
 CATALOG NUMBER: GALN-SB8C-740-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4279.5	6.6			
FM (30°-60°)	26609.2	41.0			
FH (60°-80°)	13022.4	20.1			G5
FVH (80°-90°)	527.7	0.8			G4/750
BL (0°-30°)	3757.3	5.8	B4/5000		
BM (30°-60°)	9780.7	15.1	B5		
BH (60°-80°)	6572.4	10.1	B5		G5
BVH (80°-90°)	377.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Short



REPORT NUMBER: P955640
 CATALOG NUMBER: GALN-SB8C-740-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7
2.5°	7107.5	7087.3	7104.1	7104.1	7110.9	7107.5	7131.1	7137.8	7147.9	7168.1
5°	7036.8	7033.4	7063.7	7090.7	7117.6	7141.2	7171.5	7215.3	7222.0	7245.6
7.5°	7013.2	6993.0	7040.1	7073.8	7137.8	7195.1	7275.9	7350.0	7380.4	7390.5
10°	7195.1	7161.4	7205.2	7225.4	7279.3	7336.6	7430.9	7548.8	7582.5	7622.9
12.5°	7505.0	7467.9	7531.9	7562.3	7612.8	7663.3	7727.3	7841.8	7858.7	7932.8
15°	7929.4	7885.6	7926.1	7963.1	8047.3	8094.5	8158.5	8269.6	8269.6	8326.9
17.5°	8505.4	8448.2	8478.5	8492.0	8545.9	8616.6	8724.4	8822.1	8872.6	8852.4
20°	9364.4	9293.7	9293.7	9226.3	9206.1	9263.3	9404.8	9539.6	9593.5	9489.0
22.5°	10654.5	10553.5	10496.2	10267.2	10176.2	10182.9	10324.4	10489.5	10533.3	10348.0
25°	12295.0	12136.7	12059.2	11722.3	11516.9	11338.3	11449.5	11661.7	11722.3	11493.3
27.5°	13935.4	13945.6	13871.4	13467.2	13127.0	12800.3	12743.0	12965.3	13029.3	12769.9
30°	16236.1	15997.0	15855.5	15370.4	14885.4	14427.2	14191.5	14282.4	14299.2	13989.3
32.5°	18220.2	18159.5	17856.4	17431.9	16808.8	16091.3	15697.2	15552.3	15525.4	15084.1
35°	20480.4	20446.7	20126.7	19621.5	18947.8	17950.7	17239.9	16825.6	16791.9	16172.1
37.5°	22777.7	22777.7	22464.5	21912.0	21214.8	19968.4	18887.1	18230.3	18122.5	17314.0
40°	24610.2	24499.0	24556.3	24323.9	23525.5	22201.7	20716.2	19762.9	19618.1	18648.0
42.5°	25651.1	25614.0	25957.6	26217.0	25890.2	24832.5	22730.6	21423.6	21221.5	20116.6
45°	25883.5	25843.1	26456.1	27406.0	27864.2	27429.6	24920.1	23171.8	22925.9	21652.7
47.5°	25347.9	25267.0	26166.4	27665.4	29134.1	29898.7	27291.5	25068.3	24711.2	23148.3
50°	23737.8	23660.3	25021.1	27011.9	29561.9	31576.2	29865.0	27079.3	26533.6	24751.7
52.5°	20237.9	20274.9	22407.2	25142.4	28999.3	32620.5	32081.5	29198.1	28541.2	26392.1
55°	15764.5	15845.4	18466.1	21477.5	26749.2	32462.1	33594.0	31380.9	30727.4	27934.9
57.5°	11287.8	11644.9	14100.5	17081.6	22427.4	29952.6	33924.1	33455.8	32822.6	29619.1
60°	7316.4	7380.4	9906.7	12911.4	17078.2	25492.7	33253.7	35028.9	34533.8	31337.1
62.5°	4688.9	4732.7	6272.1	9030.9	12291.6	18860.2	30996.8	35712.7	35561.2	32472.2
65°	3446.0	3412.3	4214.0	5969.0	8279.7	11631.4	26614.4	35382.6	35682.4	33183.0
67.5°	2876.7	2829.5	3223.6	4133.1	6100.3	6605.6	19692.2	33236.9	34335.0	33102.2
70°	2620.7	2580.3	2819.4	3068.7	4759.7	4422.8	9926.9	28894.9	30585.9	32182.6
72.5°	2219.8	2149.1	2475.8	2725.1	3702.0	3392.1	4102.8	22195.0	24256.5	29235.1
75°	1721.3	1674.1	1953.7	2398.4	2782.4	2647.6	2593.7	13477.3	15727.5	22609.3
77.5°	1364.2	1300.2	1556.2	1869.5	2502.8	1997.5	1889.7	5803.9	8033.8	14434.0
80°	1027.4	970.1	1182.3	1478.8	1923.4	1505.7	1222.8	2368.0	3028.3	7313.0
82.5°	731.0	680.4	825.3	1084.7	1293.5	1350.8	751.2	1327.2	1492.2	2819.4
85°	468.2	437.9	552.4	680.4	821.9	869.1	458.1	693.9	761.3	1162.1
87.5°	256.0	208.8	296.4	316.6	380.6	347.0	219.0	252.6	272.8	421.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955640
 CATALOG NUMBER: GALN-SB8C-740-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7154.7	0°	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7	7154.7
7168.1	2.5°	7181.6	7191.7	7225.4	7235.5	7259.1	7289.4	7309.6	7329.8	7329.8	7350.0
7275.9	5°	7279.3	7302.9	7373.6	7410.7	7471.3	7531.9	7569.0	7612.8	7639.7	7653.2
7447.7	7.5°	7467.9	7505.0	7606.1	7670.1	7774.5	7858.7	7916.0	7976.6	7990.1	8027.1
7686.9	10°	7723.9	7767.7	7882.3	8003.5	8128.2	8232.6	8286.5	8330.3	8347.1	8353.9
7993.4	12.5°	8017.0	8081.0	8229.2	8377.4	8508.8	8599.8	8613.2	8603.1	8556.0	8515.5
8370.7	15°	8377.4	8434.7	8599.8	8761.4	8889.4	8906.3	8822.1	8768.2	8710.9	8700.8
8791.8	17.5°	8808.6	8838.9	8990.5	9148.8	9158.9	9101.7	8977.0	8926.5	8872.6	8835.6
9340.8	20°	9310.5	9300.4	9408.2	9475.6	9404.8	9229.7	9041.0	8956.8	8902.9	8859.1
10014.5	22.5°	9910.1	9832.6	9819.1	9802.3	9613.7	9246.5	8990.5	8882.7	8798.5	8737.9
10954.3	25°	10782.5	10486.1	10280.6	10166.1	9741.7	9155.6	8828.8	8589.7	8431.3	8326.9
12103.0	27.5°	11873.9	11375.4	10856.6	10577.1	9741.7	8970.3	8438.1	8050.7	7791.3	7683.5
13214.6	30°	12914.8	12392.7	11628.0	11072.2	9718.1	8667.1	7808.2	7269.2	6966.0	6858.2
14164.5	32.5°	13804.1	13234.8	12446.6	11614.6	9660.8	8175.3	7026.7	6430.4	6137.4	6009.4
15104.3	35°	14629.4	14023.0	13268.5	12210.8	9509.2	7454.5	6167.7	5713.0	5386.2	5180.7
16061.0	37.5°	15474.8	14754.0	14046.6	12749.7	9236.4	6612.3	5507.5	5120.1	4736.1	4459.9
17078.2	40°	16394.4	15532.1	14878.6	13069.7	8788.4	5810.6	4995.5	4641.8	4234.2	3941.1
18250.5	42.5°	17469.0	16465.2	15805.0	13234.8	8175.3	5241.4	4662.0	4315.0	3931.0	3691.9
19506.9	45°	18590.7	17492.6	16650.4	13231.4	7491.5	4975.3	4554.2	4210.6	3786.2	3536.9
20797.1	47.5°	19766.3	18567.1	17381.4	13015.8	6898.7	5012.3	4493.6	3984.9	3516.7	3274.2
22100.7	50°	20945.3	19742.7	18088.8	12611.6	6646.0	4931.5	4267.9	3668.3	3115.9	2896.9
23323.4	52.5°	22114.1	20992.4	18698.5	12035.6	6390.0	4631.7	3978.2	3257.3	2950.8	2799.2
24586.6	55°	23289.7	22228.7	19362.1	11196.9	5750.0	4281.4	3493.1	3102.4	2819.4	2681.3
25822.8	57.5°	24468.7	23656.9	19992.0	10358.1	4944.9	3850.2	3227.0	2913.7	2688.1	2570.2
26857.0	60°	25694.8	25290.6	20642.1	9586.7	4150.0	3297.8	3031.6	2762.2	2533.1	2401.7
27850.7	62.5°	26958.0	27089.4	21150.8	8593.0	3419.0	2960.9	2856.5	2580.3	2357.9	2233.3
28672.6	65°	28231.3	28824.2	21484.2	7215.3	2772.3	2640.9	2667.8	2381.5	2155.8	2048.0
29275.6	67.5°	29191.3	30073.9	21389.9	5460.3	2273.7	2337.7	2432.1	2172.7	1960.5	1876.2
29177.9	70°	29299.1	29925.7	20460.2	3739.0	1903.2	2041.3	2169.3	1967.2	1748.2	1687.6
27803.5	72.5°	27864.2	27904.6	17869.8	2442.2	1610.1	1792.0	1893.1	1758.4	1546.1	1485.5
24323.9	75°	24101.5	23077.5	13120.3	1610.1	1347.4	1539.4	1633.7	1539.4	1333.9	1347.4
18200.0	77.5°	18260.6	16343.9	7966.5	1145.3	1125.1	1293.5	1421.5	1354.1	1179.0	1323.8
9152.2	80°	9408.2	8842.3	3553.8	855.6	889.3	1034.1	1168.9	1081.3	933.1	889.3
2044.7	82.5°	2155.8	2506.2	1401.3	613.1	643.4	744.4	892.6	811.8	670.3	565.9
852.2	85°	754.5	825.3	619.8	384.0	377.3	464.9	606.3	542.3	454.7	363.8
360.4	87.5°	239.2	313.3	232.4	155.0	161.7	208.8	279.6	256.0	212.2	138.1
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>
7154.7
7350.0
7659.9
8013.6
8337.0
8515.5
8700.8
8838.9
8862.5
8758.1
8367.3
7737.4
6922.2
6073.4
5248.1
4534.0
3998.4
3739.0
3577.3
3307.9
2910.4
2799.2
2667.8
2549.9
2391.6
2229.9
2044.7
1879.6
1691.0
1482.1
1300.2
1165.5
811.8
559.2
384.0
144.8
0.0

F REPORT)