

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: P944272

Luminaire Tested: **GALN-SB9A-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24653 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

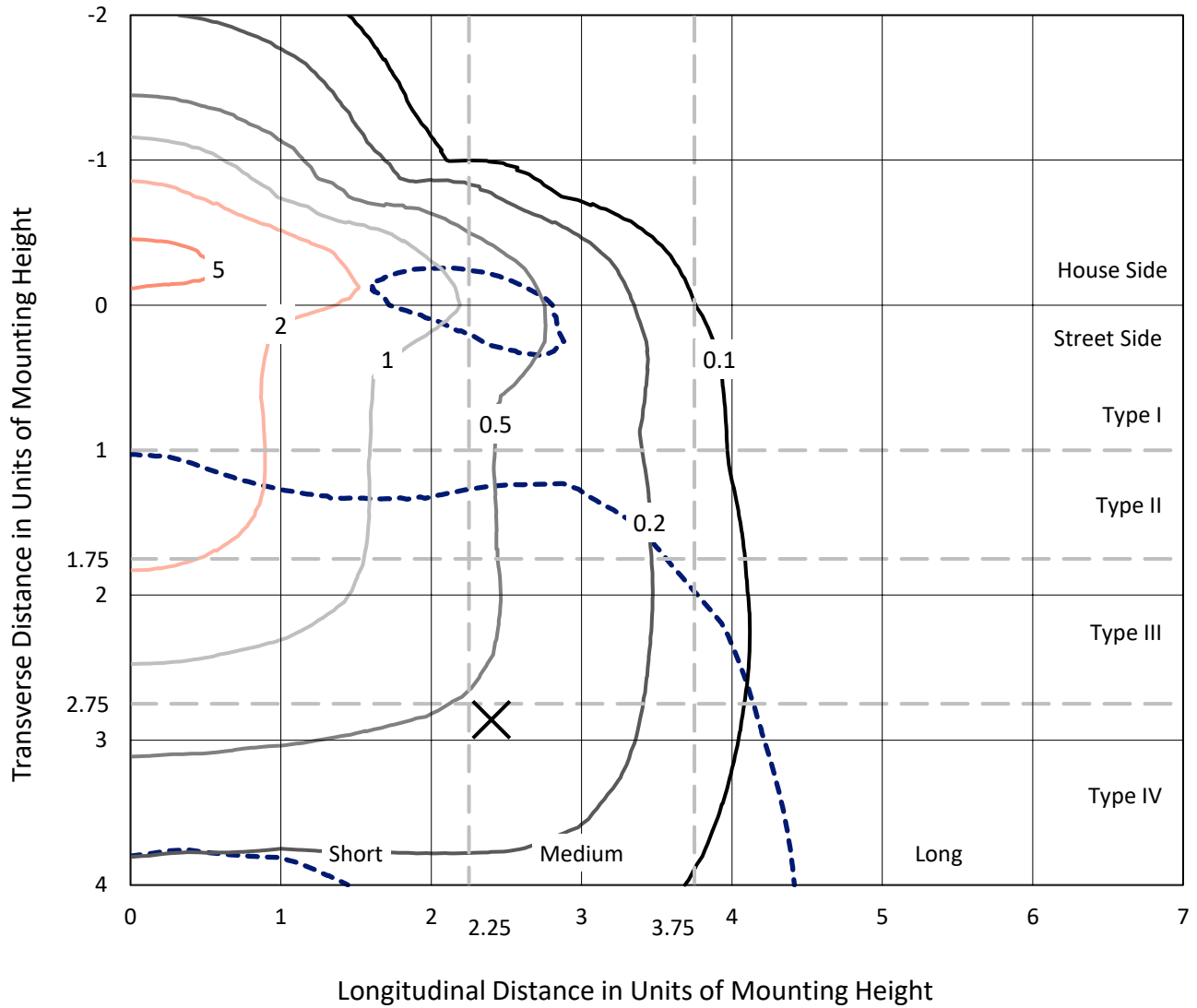
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944272
 CATALOG NUMBER: GALN-SB9A-927-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

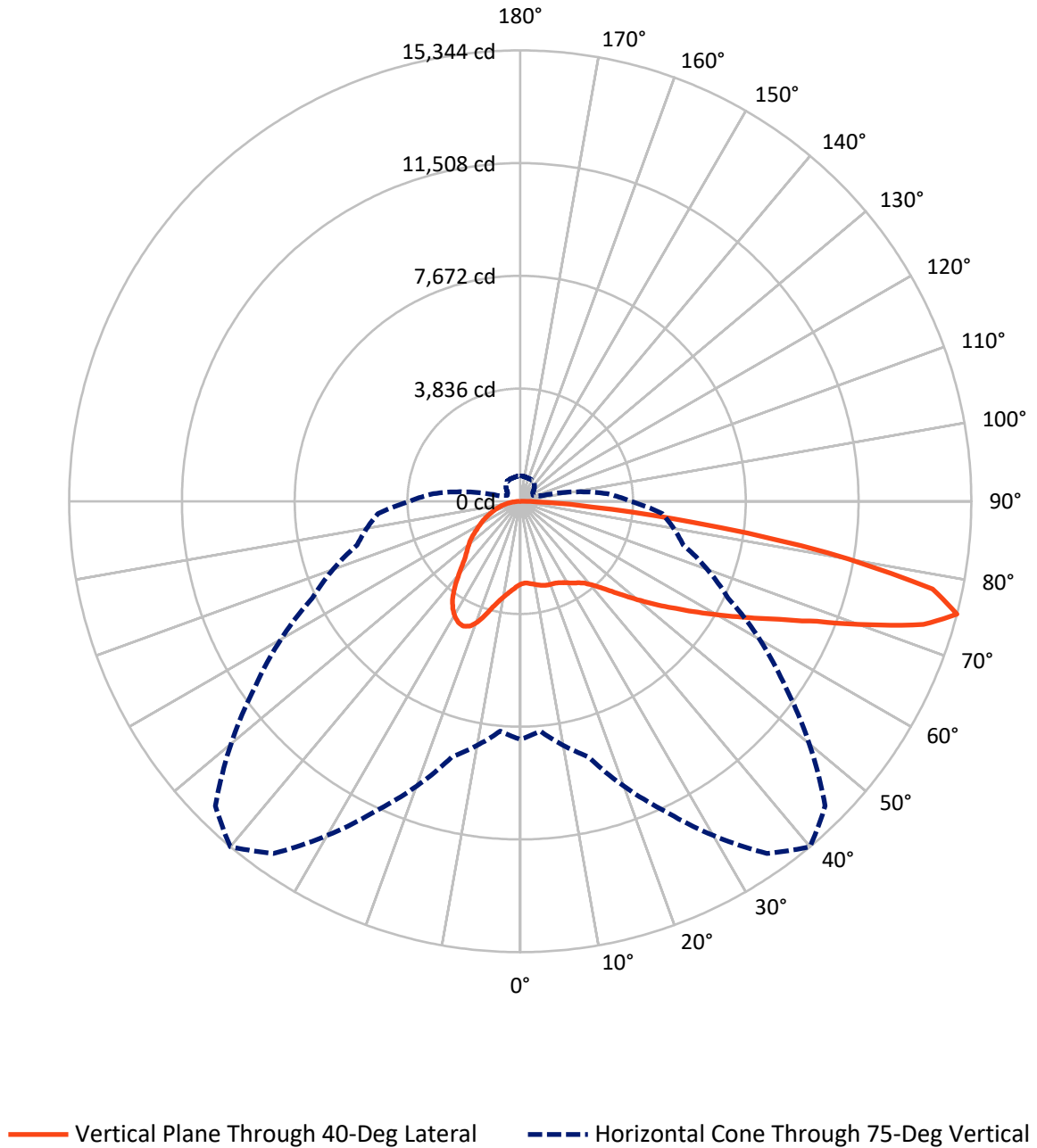
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P944272
CATALOG NUMBER: GALN-SB9A-927-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P944272

CATALOG NUMBER: GALN-SB9A-927-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7638.3	0.0	7638.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17014.7	0.0	17014.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	24653.0	0.0	24653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	1.1
10°-20°	944.8	3.8
20°-30°	1725.1	7.0
30°-40°	2446.7	9.9
40°-50°	3303.8	13.4
50°-60°	4444.4	18.0
60°-70°	5641.0	22.9
70°-80°	5119.6	20.8
80°-90°	746.3	3.0
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°	24653.0	100.0
0°-180°	24653.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944272

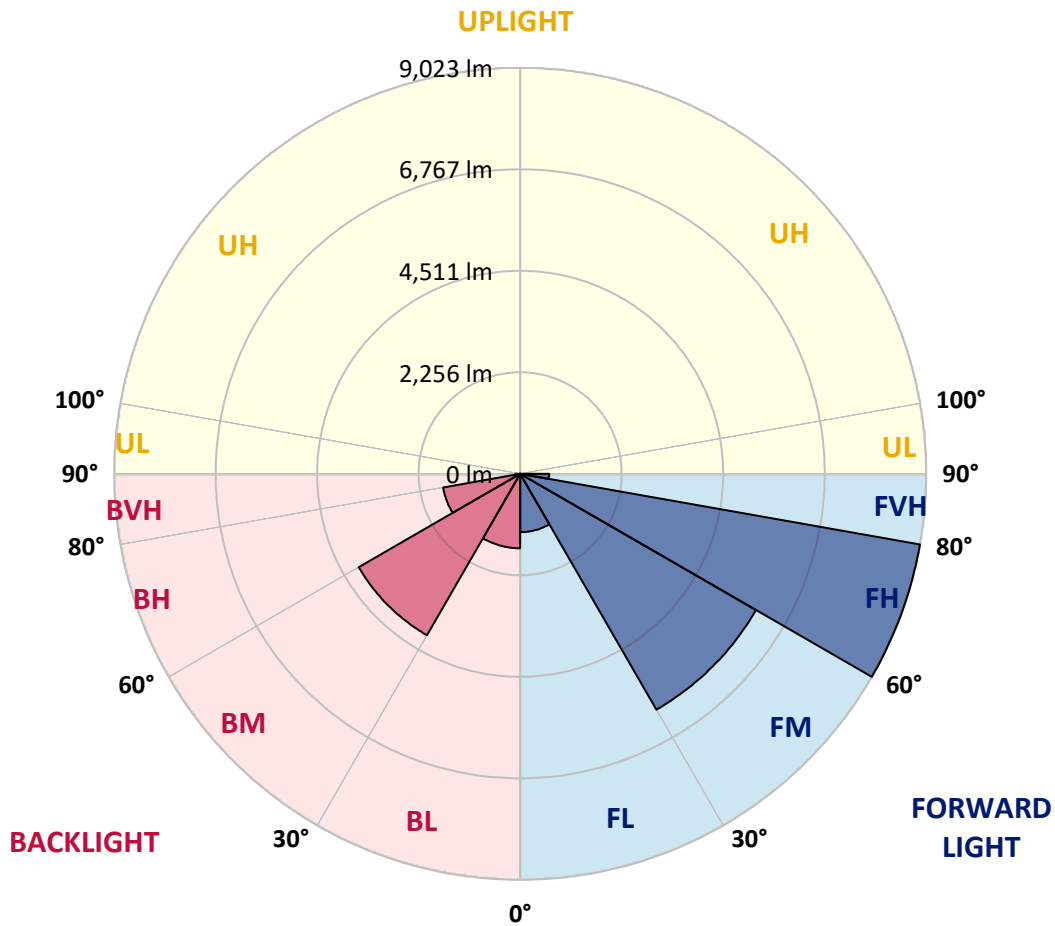
CATALOG NUMBER: GALN-SB9A-927-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.8	5.3			
FM (30°-60°)	6051.8	24.5			
FH (60°-80°)	9022.6	36.6			G4/12000
FVH (80°-90°)	643.5	2.6			G4/750
BL (0°-30°)	1654.5	6.7	B3/2500		
BM (30°-60°)	4143.1	16.8	B3/5000		
BH (60°-80°)	1737.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	102.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



REPORT NUMBER: P944272

CATALOG NUMBER: GALN-SB9A-927-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1
2.5°	2776.0	2791.6	2787.7	2782.5	2782.5	2783.8	2782.5	2791.6	2800.8	2810.0
5°	2804.7	2820.4	2812.6	2806.0	2800.8	2799.5	2795.6	2794.3	2799.5	2811.3
7.5°	2860.9	2876.6	2864.9	2853.1	2842.6	2837.4	2832.2	2824.3	2820.4	2826.9
10°	2923.7	2939.4	2925.0	2904.1	2887.1	2880.6	2875.3	2867.5	2862.3	2866.2
12.5°	2986.5	3002.2	2982.5	2953.8	2931.6	2927.6	2921.1	2918.5	2917.2	2915.9
15°	3045.3	3058.4	3033.5	2999.5	2976.0	2969.5	2962.9	2966.9	2973.4	2981.2
17.5°	3091.1	3104.2	3067.5	3023.1	3000.9	2998.2	2994.3	3007.4	3025.7	3045.3
20°	3132.9	3146.0	3098.9	3038.8	3012.6	3012.6	3013.9	3041.4	3067.5	3096.3
22.5°	3191.8	3202.2	3144.7	3062.3	3024.4	3027.0	3037.5	3064.9	3097.6	3136.8
25°	3279.4	3287.2	3216.6	3106.8	3063.6	3071.5	3080.6	3093.7	3125.1	3170.8
27.5°	3420.6	3427.1	3334.3	3185.2	3119.8	3132.9	3146.0	3136.8	3151.2	3190.5
30°	3619.3	3623.3	3505.6	3308.1	3215.3	3221.8	3224.4	3186.5	3159.1	3190.5
32.5°	3854.7	3853.4	3713.5	3457.2	3323.8	3317.3	3295.1	3220.5	3156.5	3183.9
35°	4219.5	4205.1	4024.7	3666.4	3446.7	3406.2	3353.9	3258.4	3169.5	3177.4
37.5°	4823.6	4779.1	4529.4	4009.0	3629.8	3526.5	3449.3	3319.9	3198.3	3174.8
40°	5504.8	5448.6	5174.0	4478.4	3904.4	3738.3	3614.1	3407.5	3245.4	3186.5
42.5°	6312.9	6233.1	5937.6	5031.5	4252.2	4011.6	3824.6	3518.6	3314.7	3224.4
45°	7305.3	7199.4	6781.0	5655.2	4690.2	4369.9	4120.1	3687.3	3420.6	3297.7
47.5°	8308.2	8334.4	7739.5	6369.1	5215.9	4811.8	4490.2	3941.0	3574.9	3415.4
50°	9373.9	9392.2	8692.7	7160.2	5812.1	5311.3	4906.0	4224.7	3789.3	3582.7
52.5°	10205.5	10208.1	9558.3	7987.9	6433.2	5860.5	5354.5	4549.0	4037.8	3805.0
55°	10725.9	10719.4	10165.0	8771.1	7147.1	6437.1	5851.3	4917.7	4341.1	4066.5
57.5°	11103.8	11084.2	10583.4	9444.5	7908.1	7118.4	6413.6	5336.2	4699.4	4377.7
60°	11247.6	11235.9	10867.1	10026.4	8708.4	7871.5	7062.1	5804.3	5106.0	4745.1
62.5°	11302.6	11324.8	11145.7	10589.9	9564.8	8705.7	7774.8	6363.9	5563.7	5160.9
65°	11496.1	11536.6	11500.0	11327.4	10532.4	9682.5	8720.1	7029.5	6063.2	5606.8
67.5°	11879.2	11919.7	11935.4	12210.0	11714.4	10899.8	9899.6	7858.4	6647.6	6069.7
70°	11870.0	11858.3	12135.5	12912.2	13194.6	12585.3	11489.5	8878.3	7344.6	6454.1
72.5°	10804.4	10710.2	11365.3	12904.3	14426.3	14345.3	13431.3	10193.8	7946.1	6501.2
75°	8105.6	7854.5	9011.7	11629.5	14631.6	15344.2	14665.6	11009.7	7803.5	5744.1
77.5°	3466.3	3214.0	4577.8	8609.0	13095.2	14344.0	13533.3	9605.3	6229.2	3798.5
80°	907.4	906.1	1383.4	3903.1	8905.8	10592.6	9292.8	6203.1	3559.2	1357.2
82.5°	375.3	366.1	508.6	1518.1	4351.6	5944.2	4851.1	2766.8	1285.3	367.4
85°	139.9	138.6	247.1	524.3	1535.1	2451.7	1774.4	707.4	320.4	179.1
87.5°	39.2	37.9	53.6	181.8	374.0	567.5	303.4	116.4	90.2	70.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944272
 CATALOG NUMBER: GALN-SB9A-927-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2819.1	0°	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1
2824.3	2.5°	2828.3	2834.8	2846.6	2855.7	2867.5	2880.6	2898.9	2910.6	2922.4	2930.2
2830.9	5°	2840.0	2854.4	2884.5	2914.6	2949.9	2982.5	3020.5	3047.9	3070.2	3076.7
2854.4	7.5°	2866.2	2889.7	2940.7	2991.7	3047.9	3101.5	3156.5	3203.5	3241.4	3255.8
2896.2	10°	2911.9	2943.3	3015.2	3087.2	3161.7	3244.1	3314.7	3382.7	3436.3	3458.5
2945.9	12.5°	2969.5	3008.7	3102.8	3202.2	3305.5	3419.3	3510.8	3594.5	3661.2	3691.2
3015.2	15°	3044.0	3095.0	3215.3	3348.7	3500.3	3658.6	3774.9	3867.8	3942.3	3978.9
3087.2	17.5°	3125.1	3193.1	3344.7	3546.1	3763.2	3971.1	4107.1	4175.0	4252.2	4287.5
3153.8	20°	3203.5	3287.2	3504.3	3797.2	4086.1	4307.1	4416.9	4435.2	4440.5	4444.4
3216.6	22.5°	3284.6	3397.0	3704.3	4113.6	4423.5	4576.5	4592.2	4513.7	4403.9	4352.9
3278.1	25°	3373.5	3522.6	3965.8	4462.7	4713.8	4732.1	4611.8	4420.9	4213.0	4117.5
3327.7	27.5°	3459.8	3667.7	4279.7	4796.1	4923.0	4762.1	4503.2	4232.6	3981.5	3880.8
3363.0	30°	3546.1	3833.8	4626.2	5087.7	5018.4	4687.6	4332.0	4029.9	3777.5	3671.6
3394.4	32.5°	3633.7	4027.3	5025.0	5298.2	5001.4	4529.4	4118.8	3802.4	3580.1	3469.0
3421.9	35°	3733.1	4265.3	5402.8	5413.3	4887.7	4296.6	3837.7	3530.4	3336.9	3248.0
3454.6	37.5°	3862.5	4567.3	5736.3	5442.1	4688.9	3955.4	3488.6	3208.8	3049.2	3008.7
3503.0	40°	4023.4	4930.8	5991.2	5396.3	4394.7	3540.9	3106.8	2883.2	2793.0	2802.1
3568.3	42.5°	4232.6	5337.5	6170.4	5278.6	3985.4	3113.3	2772.0	2672.7	2715.8	2752.4
3666.4	45°	4504.6	5759.8	6281.5	5078.6	3522.6	2751.1	2574.6	2598.1	2630.8	2634.7
3824.6	47.5°	4852.4	6187.4	6354.8	4776.5	3050.5	2496.1	2449.1	2454.3	2447.8	2420.3
4061.3	50°	5286.5	6603.2	6420.1	4376.4	2649.1	2336.6	2273.9	2255.5	2165.3	2076.4
4376.4	52.5°	5780.7	6985.0	6447.6	3879.5	2336.6	2203.2	2101.3	1986.2	1817.5	1790.1
4772.6	55°	6329.9	7338.0	6377.0	3268.9	2073.8	2032.0	1877.7	1739.1	1720.8	1697.2
5294.3	57.5°	6986.3	7718.5	6233.1	2587.7	1804.4	1831.9	1681.5	1697.2	1664.5	1627.9
5965.1	60°	7704.2	8112.1	5980.8	1966.6	1525.9	1582.1	1630.5	1629.2	1620.1	1590.0
6672.5	62.5°	8350.1	8371.0	5483.9	1506.3	1281.4	1388.6	1520.7	1519.4	1511.5	1494.5
7411.3	65°	8734.5	8331.8	4654.9	1186.0	1080.0	1229.1	1371.6	1382.1	1383.4	1382.1
7967.0	67.5°	8666.5	7872.8	3517.3	944.1	914.0	1067.0	1223.9	1238.3	1248.7	1251.3
8037.6	70°	7897.7	6864.7	2293.5	753.2	766.2	924.4	1084.0	1098.4	1107.5	1118.0
6974.5	72.5°	6156.0	5047.2	1312.8	609.3	636.8	801.5	945.4	962.4	967.6	987.2
4853.7	75°	3751.4	2968.2	708.7	479.9	523.0	685.2	808.1	827.7	836.8	860.4
2383.7	77.5°	1783.5	1285.3	404.0	374.0	421.0	559.6	682.5	704.8	679.9	693.0
657.7	80°	602.8	477.3	255.0	285.0	321.7	436.7	546.6	568.8	516.5	513.9
218.4	82.5°	210.5	193.5	162.1	189.6	207.9	312.5	413.2	442.0	384.4	383.1
98.1	85°	82.4	78.5	90.2	103.3	124.2	192.2	272.0	286.4	236.7	190.9
28.8	87.5°	17.0	18.3	22.2	23.5	37.9	66.7	98.1	120.3	95.5	81.1
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>
2819.1
2925.0
3079.3
3257.1
3459.8
3691.2
3976.3
4286.2
4454.9
4367.3
4131.9
3892.6
3683.4
3483.3
3267.6
3037.5
2833.5
2786.4
2660.9
2441.2
2088.2
1799.2
1701.1
1621.4
1579.5
1488.0
1382.1
1254.0
1123.2
995.1
<i>863.0</i>
682.5
508.6
364.8
188.3
74.5
0.0

F REPORT)