

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: P942352

Luminaire Tested: **GALN-SB6B-827-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942352
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-SB6B-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29434 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

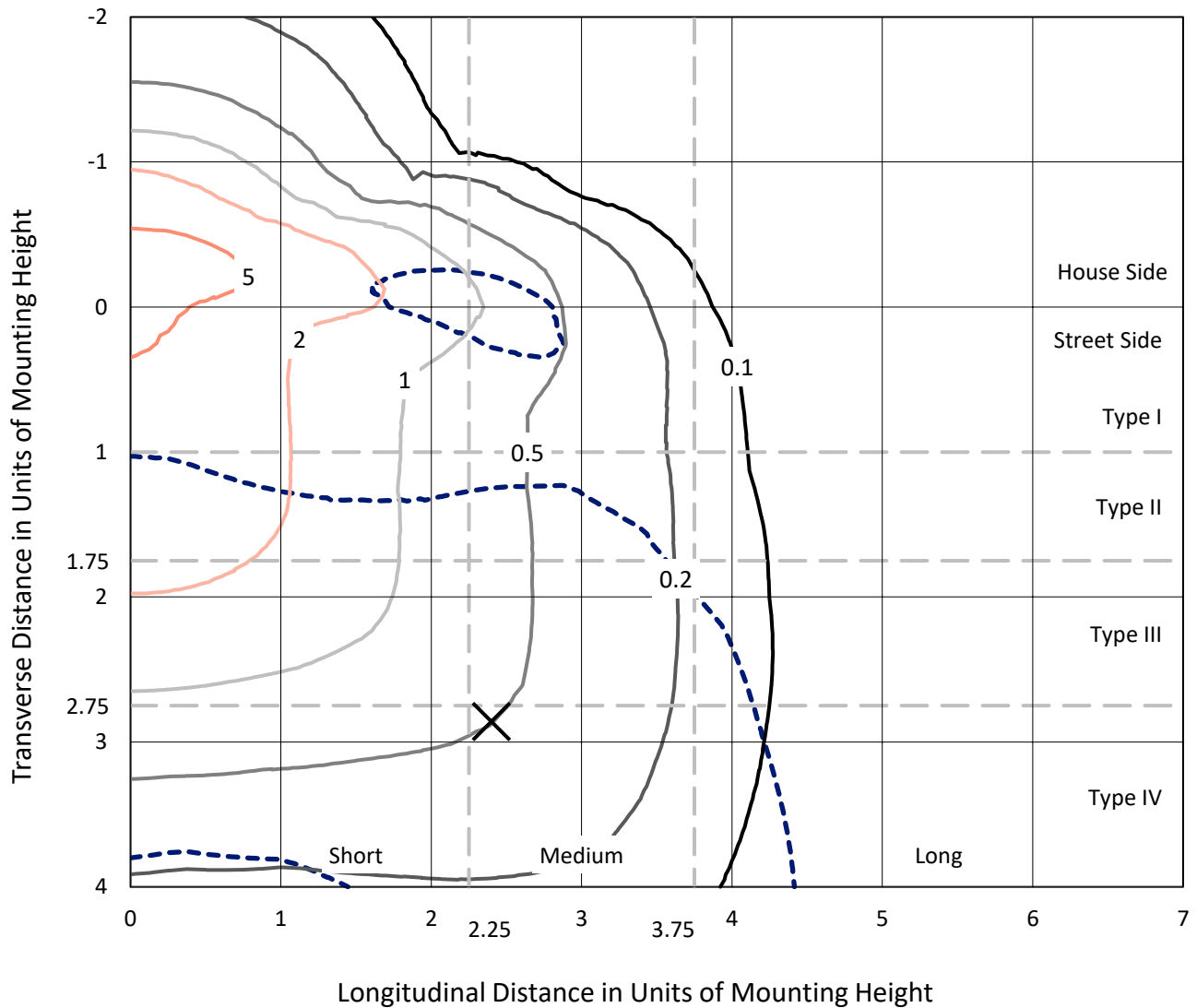
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942352
 CATALOG NUMBER: GALN-SB6B-827-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

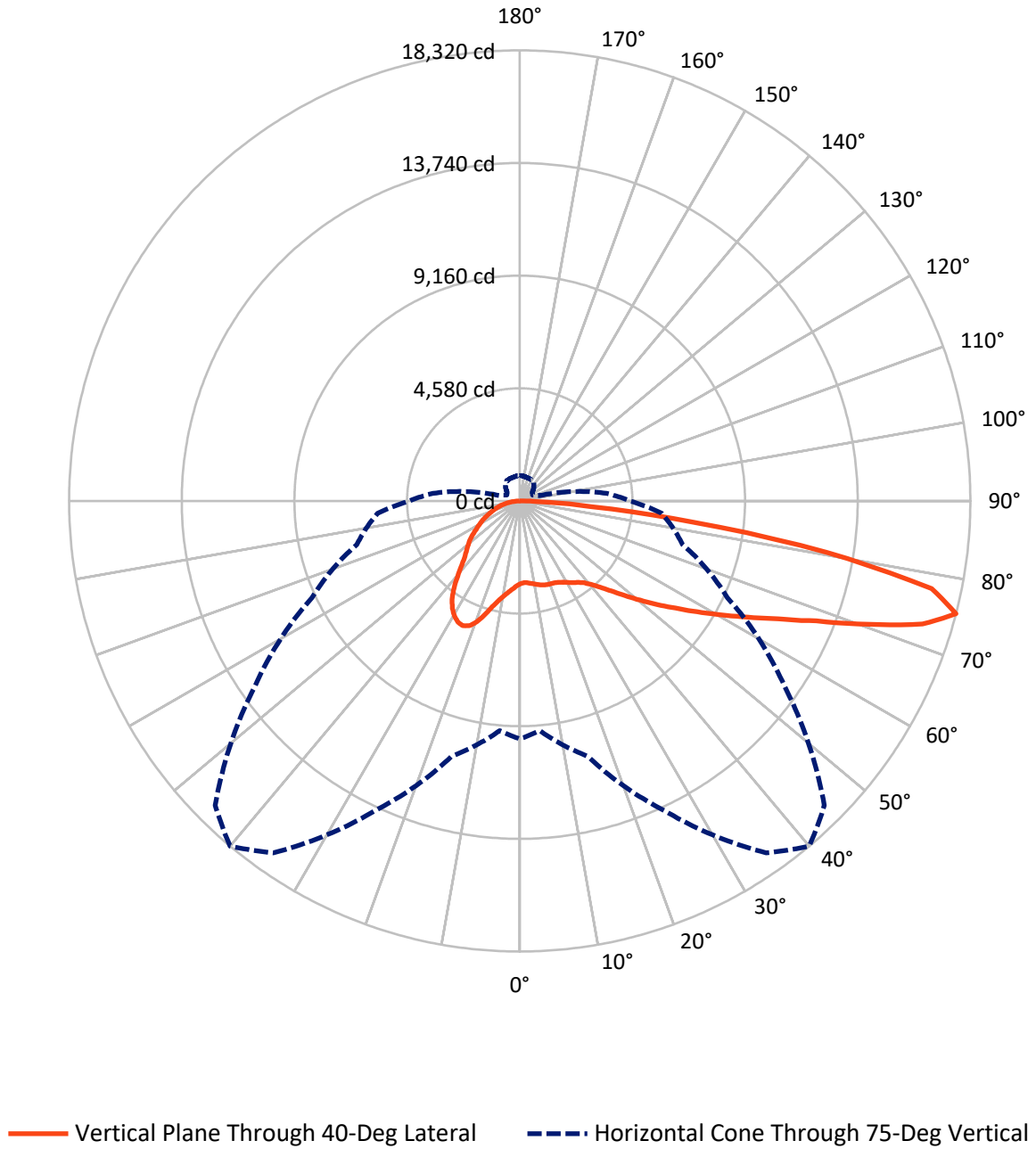
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P942352
CATALOG NUMBER: GALN-SB6B-827-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P942352
 CATALOG NUMBER: GALN-SB6B-827-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9119.6	0.0	9119.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20314.4	0.0	20314.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	29434.0	0.0	29434.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.0	1.1
10°-20°	1128.0	3.8
20°-30°	2059.7	7.0
30°-40°	2921.2	9.9
40°-50°	3944.5	13.4
50°-60°	5306.4	18.0
60°-70°	6735.0	22.9
70°-80°	6112.4	20.8
80°-90°	891.0	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°	29434.0	100.0
0°-180°	29434.0	100.0



REPORT NUMBER: P942352

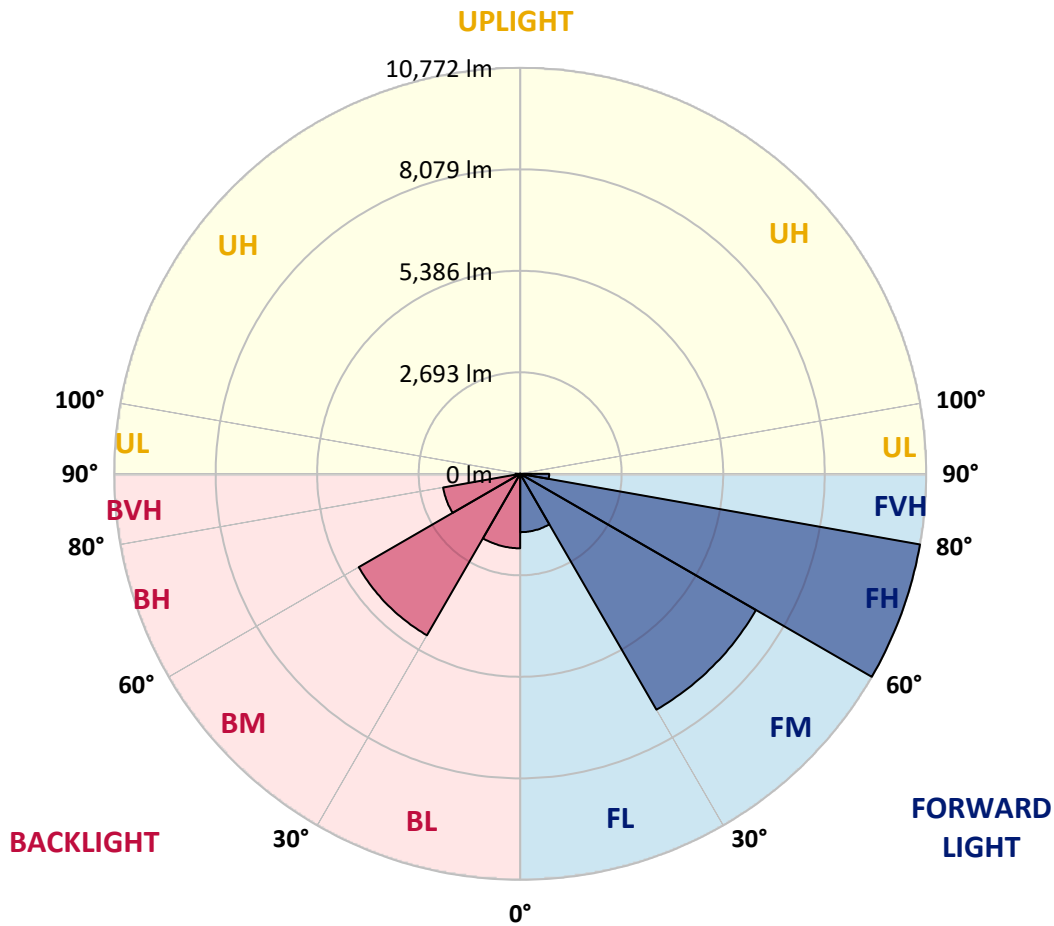
CATALOG NUMBER: GALN-SB6B-827-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1548.3	5.3			
FM (30°-60°)	7225.4	24.5			
FH (60°-80°)	10772.4	36.6			G4/12000
FVH (80°-90°)	768.3	2.6			G5
BL (0°-30°)	1975.4	6.7	B3/2500		
BM (30°-60°)	4946.6	16.8	B3/5000		
BH (60°-80°)	2075.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	122.7	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-G5

Type IV Medium



REPORT NUMBER: P942352

CATALOG NUMBER: GALN-SB6B-827-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8
2.5°	3314.3	3333.0	3328.3	3322.1	3322.1	3323.7	3322.1	3333.0	3344.0	3354.9
5°	3348.6	3367.4	3358.0	3350.2	3344.0	3342.4	3337.7	3336.2	3342.4	3356.5
7.5°	3415.8	3434.5	3420.5	3406.4	3393.9	3387.7	3381.4	3372.1	3367.4	3375.2
10°	3490.7	3509.4	3492.3	3467.3	3447.0	3439.2	3432.9	3423.6	3417.3	3422.0
12.5°	3565.6	3584.4	3561.0	3526.6	3500.1	3495.4	3487.6	3484.5	3482.9	3481.3
15°	3635.9	3651.5	3621.8	3581.3	3553.2	3545.3	3537.5	3542.2	3550.0	3559.4
17.5°	3690.5	3706.1	3662.4	3609.4	3582.8	3579.7	3575.0	3590.6	3612.5	3635.9
20°	3740.5	3756.1	3699.9	3628.1	3596.9	3596.9	3598.4	3631.2	3662.4	3696.8
22.5°	3810.7	3823.2	3754.5	3656.2	3610.9	3614.0	3626.5	3659.3	3698.3	3745.2
25°	3915.3	3924.7	3840.4	3709.3	3657.8	3667.1	3678.0	3693.7	3731.1	3785.8
27.5°	4083.9	4091.7	3980.9	3802.9	3724.9	3740.5	3756.1	3745.2	3762.3	3809.2
30°	4321.2	4325.9	4185.4	3949.7	3838.8	3846.6	3849.8	3804.5	3771.7	3809.2
32.5°	4602.2	4600.7	4433.6	4127.7	3968.4	3960.6	3934.1	3845.1	3768.6	3801.4
35°	5037.8	5020.6	4805.2	4377.4	4115.2	4066.8	4004.3	3890.4	3784.2	3793.6
37.5°	5759.0	5706.0	5407.8	4786.5	4333.7	4210.4	4118.3	3963.7	3818.5	3790.4
40°	6572.4	6505.3	6177.4	5346.9	4661.6	4463.3	4315.0	4068.3	3874.7	3804.5
42.5°	7537.2	7442.0	7089.1	6007.3	5076.8	4789.6	4566.3	4201.0	3957.5	3849.8
45°	8722.1	8595.6	8096.1	6751.9	5599.8	5217.3	4919.2	4402.4	4083.9	3937.2
47.5°	9919.5	9950.7	9240.4	7604.3	6227.4	5745.0	5361.0	4705.3	4268.2	4077.7
50°	11191.8	11213.7	10378.5	8548.8	6939.3	6341.3	5857.4	5044.0	4524.2	4277.5
52.5°	12184.7	12187.8	11411.9	9537.0	7680.8	6997.0	6392.9	5431.2	4820.8	4542.9
55°	12806.0	12798.2	12136.3	10472.1	8533.2	7685.5	6986.1	5871.4	5183.0	4855.1
57.5°	13257.2	13233.8	12635.9	11276.1	9441.8	8498.8	7657.4	6371.0	5610.7	5226.7
60°	13428.9	13414.9	12974.6	11970.8	10397.2	9398.1	8431.7	6929.9	6096.3	5665.4
62.5°	13494.5	13521.0	13307.2	12643.7	11419.7	10394.1	9282.5	7598.1	6642.6	6161.8
65°	13725.5	13773.9	13730.2	13524.2	12575.0	11560.2	10411.2	8392.7	7239.0	6694.2
67.5°	14183.0	14231.3	14250.1	14577.9	13986.3	13013.7	11819.4	9382.4	7936.8	7246.8
70°	14172.0	14158.0	14488.9	15416.3	15753.5	15026.0	13717.7	10600.1	8768.9	7705.8
72.5°	12899.7	12787.3	13569.4	15406.9	17224.1	17127.3	16036.0	12170.6	9487.0	7762.0
75°	9677.5	9377.8	10759.4	13884.8	17469.2	18320.0	17509.7	13144.8	9316.9	6858.1
77.5°	4138.6	3837.3	5465.5	10278.5	15634.8	17125.7	16157.8	11468.1	7437.3	4535.1
80°	1083.4	1081.9	1651.7	4660.0	10632.9	12646.8	11095.0	7406.0	4249.4	1620.5
82.5°	448.0	437.1	607.3	1812.5	5195.5	7096.9	5791.8	3303.4	1534.6	438.7
85°	167.0	165.5	295.1	626.0	1832.8	2927.1	2118.5	844.6	382.5	213.9
87.5°	46.8	45.3	64.0	217.0	446.5	677.5	362.2	138.9	107.7	84.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942352
 CATALOG NUMBER: GALN-SB6B-827-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3365.8	0°	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8	3365.8
3372.1	2.5°	3376.7	3384.6	3398.6	3409.5	3423.6	3439.2	3461.0	3475.1	3489.1	3498.5
3379.9	5°	3390.8	3408.0	3443.9	3479.8	3521.9	3561.0	3606.2	3639.0	3665.6	3673.4
3408.0	7.5°	3422.0	3450.1	3511.0	3571.9	3639.0	3703.0	3768.6	3824.8	3870.1	3887.2
3457.9	10°	3476.7	3514.1	3600.0	3685.9	3774.8	3873.2	3957.5	4038.7	4102.7	4129.2
3517.2	12.5°	3545.3	3592.2	3704.6	3823.2	3946.6	4082.4	4191.7	4291.6	4371.2	4407.1
3600.0	15°	3634.3	3695.2	3838.8	3998.1	4179.2	4368.1	4507.0	4617.9	4706.8	4750.5
3685.9	17.5°	3731.1	3812.3	3993.4	4233.8	4493.0	4741.2	4903.5	4984.7	5076.8	5119.0
3765.5	20°	3824.8	3924.7	4183.9	4533.5	4878.6	5142.4	5273.5	5295.4	5301.6	5306.3
3840.4	22.5°	3921.6	4055.8	4422.7	4911.3	5281.3	5464.0	5482.7	5389.1	5257.9	5197.0
3913.8	25°	4027.7	4205.7	4734.9	5328.2	5627.9	5649.8	5506.1	5278.2	5030.0	4916.0
3973.1	27.5°	4130.8	4379.0	5109.6	5726.3	5877.7	5685.7	5376.6	5053.4	4753.7	4633.5
4015.3	30°	4233.8	4577.3	5523.3	6074.4	5991.7	5596.7	5172.1	4811.4	4510.1	4383.7
4052.7	32.5°	4338.4	4808.3	5999.5	6325.7	5971.4	5407.8	4917.6	4539.8	4274.4	4141.7
4085.5	35°	4457.1	5092.4	6450.6	6463.1	5835.5	5129.9	4581.9	4215.1	3984.0	3877.9
4124.5	37.5°	4611.6	5453.1	6848.7	6497.5	5598.2	4722.4	4165.1	3831.0	3640.6	3592.2
4182.3	40°	4803.6	5887.1	7153.1	6442.8	5247.0	4227.6	3709.3	3442.3	3334.6	3345.5
4260.4	42.5°	5053.4	6372.6	7367.0	6302.3	4758.4	3717.1	3309.6	3191.0	3242.5	3286.2
4377.4	45°	5378.1	6876.8	7499.7	6063.5	4205.7	3284.6	3073.9	3102.0	3141.0	3145.7
4566.3	47.5°	5793.4	7387.3	7587.1	5702.8	3642.1	2980.2	2924.0	2930.3	2922.5	2889.7
4848.9	50°	6311.7	7883.8	7665.2	5225.1	3162.9	2789.8	2714.8	2693.0	2585.2	2479.1
5225.1	52.5°	6901.8	8339.6	7698.0	4631.9	2789.8	2630.5	2508.8	2371.4	2170.0	2137.2
5698.2	55°	7557.5	8761.1	7613.7	3902.8	2476.0	2426.0	2241.8	2076.3	2054.5	2026.4
6321.1	57.5°	8341.2	9215.4	7442.0	3089.5	2154.4	2187.2	2007.6	2026.4	1987.3	1943.6
7121.9	60°	9198.2	9685.3	7140.7	2348.0	1821.8	1889.0	1946.7	1945.2	1934.3	1898.3
7966.5	62.5°	9969.4	9994.4	6547.4	1798.4	1529.9	1657.9	1815.6	1814.0	1804.7	1784.4
8848.5	65°	10428.4	9947.6	5557.7	1416.0	1289.5	1467.5	1637.6	1650.1	1651.7	1650.1
9512.0	67.5°	10347.2	9399.6	4199.5	1127.1	1091.2	1273.9	1461.2	1478.4	1490.9	1494.0
9596.3	70°	9429.3	8196.0	2738.2	899.2	914.8	1103.7	1294.2	1311.4	1322.3	1334.8
8327.1	72.5°	7349.8	6026.0	1567.4	727.5	760.3	957.0	1128.7	1149.0	1155.2	1178.7
5795.0	75°	4478.9	3543.8	846.1	572.9	624.5	818.0	964.8	988.2	999.1	1027.2
2846.0	77.5°	2129.4	1534.6	482.4	446.5	502.7	668.2	814.9	841.5	811.8	827.4
785.3	80°	719.7	569.8	304.4	340.3	384.0	521.4	652.6	679.1	616.7	613.5
260.7	82.5°	251.3	231.0	193.6	226.4	248.2	373.1	493.3	527.7	459.0	457.4
117.1	85°	98.4	93.7	107.7	123.3	148.3	229.5	324.7	341.9	282.6	227.9
34.3	87.5°	20.3	21.9	26.5	28.1	45.3	79.6	117.1	143.6	114.0	96.8
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

180°
3365.8
3492.3
3676.5
3888.8
4130.8
4407.1
4747.4
5117.4
5318.8
5214.2
4933.2
4647.5
4397.7
4158.9
3901.3
3626.5
3383.0
3326.8
3176.9
2914.6
2493.1
2148.1
2031.0
1935.8
1885.9
1776.6
1650.1
1497.1
1341.0
1188.0
1030.4
814.9
607.3
435.6
224.8
89.0
0.0

F REPORT)