

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: P941899

Luminaire Tested: **GALN-SB5C-927-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22760 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

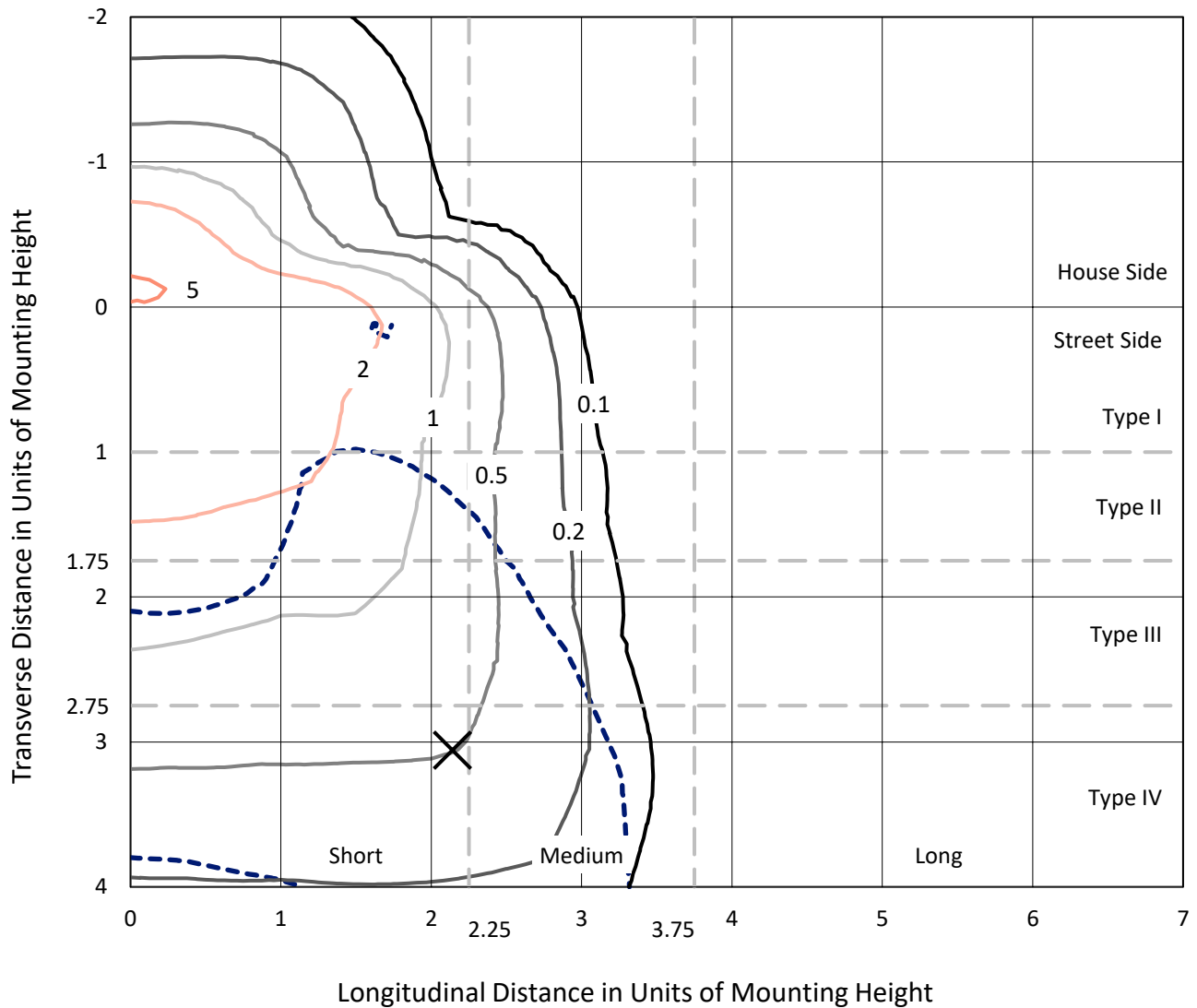
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P941899
 CATALOG NUMBER: GALN-SB5C-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

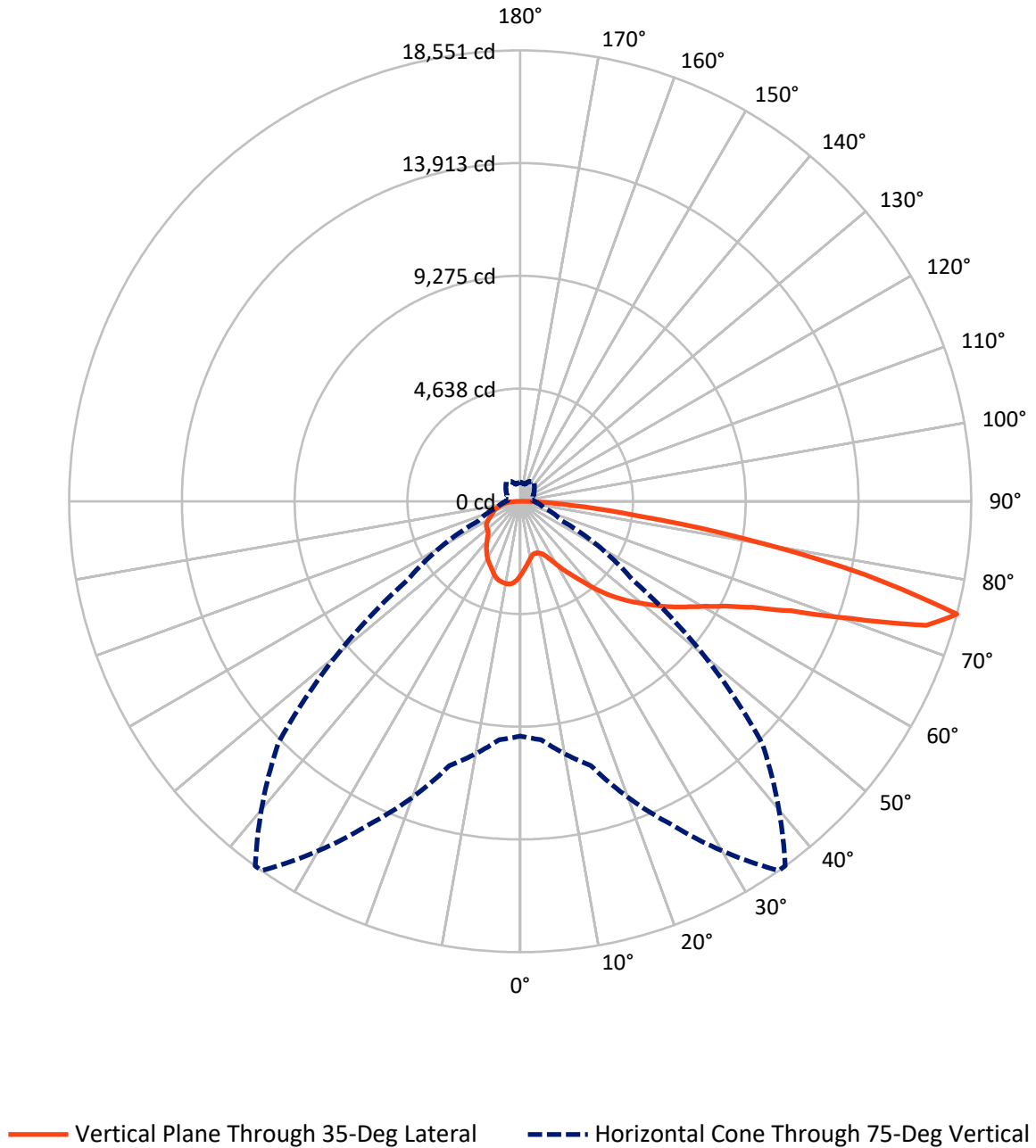
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P941899
CATALOG NUMBER: GALN-SB5C-927-U-T4FT

Luminous Intensity Polar Plot



REPORT NUMBER: P941899
 CATALOG NUMBER: GALN-SB5C-927-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5416.3	0.0	5416.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17343.7	0.0	17343.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	22760.0	0.0	22760.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.2	1.3
10°-20°	828.3	3.6
20°-30°	1390.9	6.1
30°-40°	2161.7	9.5
40°-50°	3208.5	14.1
50°-60°	4429.5	19.5
60°-70°	5374.0	23.6
70°-80°	4441.2	19.5
80°-90°	638.8	2.8
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°	22760.0	100.0
0°-180°	22760.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941899

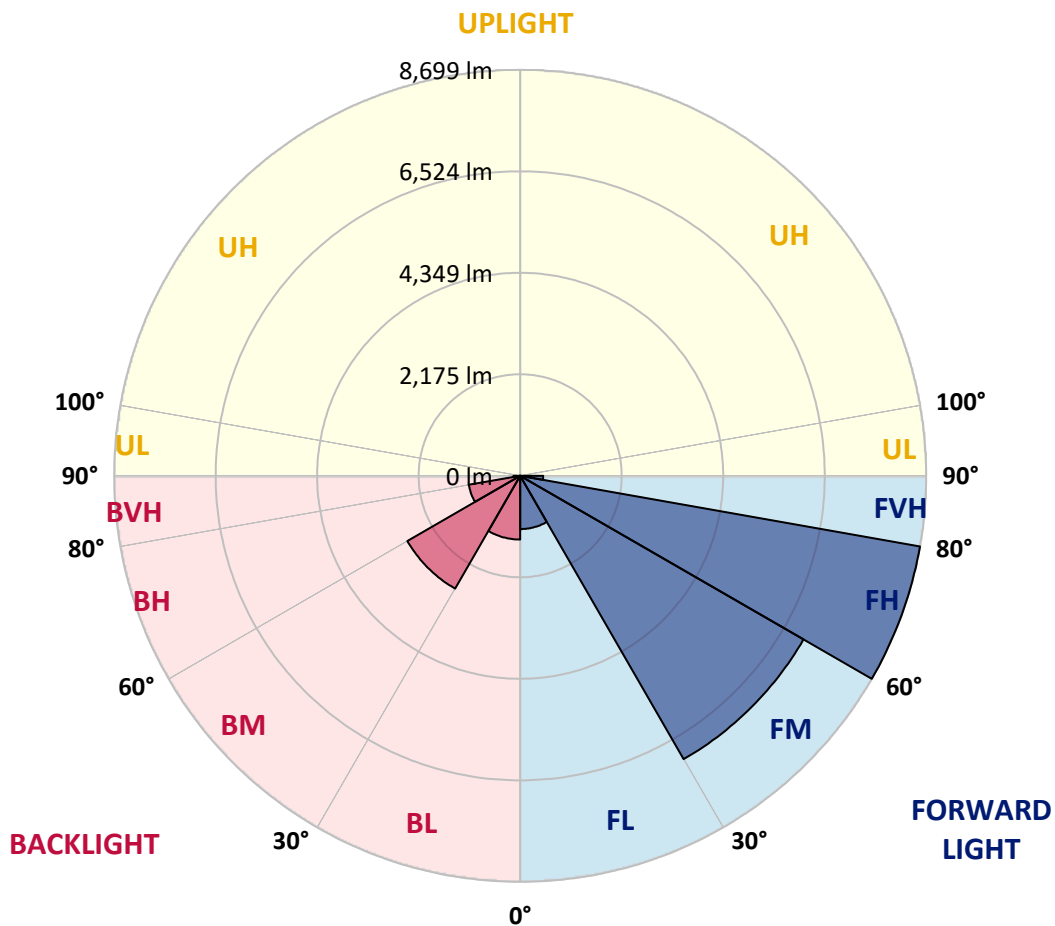
CATALOG NUMBER: GALN-SB5C-927-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1141.4	5.0			
FM (30°-60°)	7008.8	30.8			
FH (60°-80°)	8698.5	38.2			G4/12000
FVH (80°-90°)	494.9	2.2			G3/500
BL (0°-30°)	1365.0	6.0	B3/2500		
BM (30°-60°)	2790.8	12.3	B3/5000		
BH (60°-80°)	1116.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	143.8	0.6			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 Short



REPORT NUMBER: P941899

CATALOG NUMBER: GALN-SB5C-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9
2.5°	2796.7	2813.9	2821.3	2817.6	2836.1	2833.6	2859.4	2891.4	2935.7	2978.8
5°	2581.4	2599.8	2615.8	2630.6	2666.3	2677.3	2717.9	2779.5	2860.7	2943.1
7.5°	2380.8	2396.8	2421.4	2448.5	2508.8	2519.8	2587.5	2683.5	2796.7	2917.3
10°	2217.2	2233.2	2259.0	2289.8	2364.8	2378.4	2464.5	2592.4	2740.1	2892.7
12.5°	2147.0	2152.0	2166.7	2197.5	2262.7	2271.3	2366.0	2512.5	2684.7	2874.2
15°	2143.3	2153.2	2154.4	2170.4	2224.6	2228.2	2315.6	2460.8	2650.3	2870.5
17.5°	2180.3	2187.6	2176.6	2186.4	2231.9	2238.1	2307.0	2436.2	2639.2	2886.5
20°	2278.7	2284.8	2251.6	2238.1	2271.3	2276.2	2343.9	2452.2	2650.3	2919.7
22.5°	2487.9	2491.6	2410.3	2355.0	2357.4	2359.9	2419.0	2517.4	2693.3	2980.0
25°	2813.9	2811.5	2682.3	2575.2	2513.7	2500.2	2539.5	2623.2	2765.9	3060.0
27.5°	3195.3	3176.9	3047.7	2887.7	2753.6	2733.9	2725.3	2761.0	2869.3	3165.8
30°	3626.0	3608.7	3469.7	3260.5	3074.8	3042.8	2961.6	2943.1	3023.1	3309.8
32.5°	4098.4	4087.4	3921.3	3667.8	3419.3	3382.4	3245.8	3196.6	3259.3	3527.5
35°	4494.6	4484.8	4347.0	4086.1	3782.2	3736.7	3597.7	3542.3	3574.3	3806.8
37.5°	4852.7	4847.8	4729.6	4524.2	4210.4	4155.0	3998.8	3980.3	3974.2	4174.7
40°	5184.9	5172.6	5049.5	4941.3	4708.7	4658.3	4520.5	4504.5	4457.7	4627.5
42.5°	5552.8	5520.8	5342.4	5291.9	5229.2	5187.3	5104.9	5107.4	5004.0	5138.1
45°	5853.0	5834.5	5651.2	5621.7	5689.3	5672.1	5743.5	5761.9	5561.4	5673.4
47.5°	6175.4	6158.1	6003.1	5982.2	6165.5	6170.4	6422.7	6428.8	6105.2	6229.5
50°	6572.8	6548.2	6394.4	6420.2	6625.7	6644.1	7105.5	7063.7	6606.0	6794.2
52.5°	6834.8	6849.6	6816.4	6858.2	7138.8	7156.0	7777.3	7670.3	7101.8	7351.6
55°	7028.0	7057.5	7160.9	7256.9	7680.1	7697.4	8411.0	8247.3	7512.8	7868.4
57.5°	7276.6	7234.7	7427.9	7614.9	8194.4	8240.0	9027.4	8803.5	7877.0	8313.8
60°	7633.4	7603.8	7754.0	8030.8	8770.3	8842.8	9679.5	9304.2	8144.0	8666.9
62.5°	8356.8	8283.0	8306.4	8551.2	9496.2	9592.2	10415.3	9741.0	8276.9	8804.7
65°	9438.4	9311.6	9193.5	9363.3	10518.6	10613.4	11245.8	10084.3	8227.7	8537.7
67.5°	10800.4	10674.9	10529.7	10689.7	12024.7	12099.7	12270.7	10277.5	7840.1	7509.1
70°	11923.8	11877.0	12050.5	12708.8	14430.1	14432.5	13584.8	10117.5	6778.2	5323.9
72.5°	11774.9	11746.6	12660.8	14695.8	17461.8	17396.6	14828.7	8906.8	4566.0	2401.7
75°	9659.8	9843.2	11259.3	14660.2	18550.7	18542.1	14067.1	5662.3	1888.7	995.4
77.5°	5180.0	5470.3	7309.8	10823.8	14481.8	14699.5	9889.9	1980.9	810.8	637.3
80°	1689.3	1942.8	2913.6	5510.9	9410.1	9369.5	4238.7	777.6	554.9	451.6
82.5°	717.3	746.8	1301.8	2602.3	4829.3	4754.2	1349.7	446.6	390.0	308.8
85°	280.5	313.8	574.6	1203.3	2091.7	2046.1	487.2	221.5	249.8	201.8
87.5°	92.3	112.0	205.5	412.2	650.9	627.5	119.3	76.3	108.3	92.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P941899
 CATALOG NUMBER: GALN-SB5C-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3032.9	0°	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9	3032.9
3041.5	2.5°	3058.8	3078.4	3101.8	3136.3	3165.8	3190.4	3216.3	3232.2	3238.4	3256.9
3046.5	5°	3080.9	3124.0	3181.8	3238.4	3293.8	3327.0	3356.5	3371.3	3384.8	3394.7
3060.0	7.5°	3117.8	3173.2	3264.2	3338.1	3384.8	3411.9	3431.6	3426.7	3431.6	3434.0
3074.8	10°	3149.8	3227.3	3335.6	3405.7	3441.4	3442.6	3437.7	3420.5	3411.9	3413.1
3096.9	12.5°	3188.0	3274.1	3391.0	3450.0	3459.9	3432.8	3411.9	3382.4	3371.3	3366.4
3130.1	15°	3239.6	3338.1	3451.3	3473.4	3448.8	3414.3	3378.7	3330.7	3306.1	3286.4
3186.7	17.5°	3302.4	3410.7	3498.0	3482.0	3429.1	3372.5	3314.7	3242.1	3191.6	3170.7
3264.2	20°	3389.7	3486.9	3533.7	3463.6	3383.6	3297.5	3199.0	3110.4	3063.7	3042.8
3362.7	22.5°	3495.6	3589.1	3568.1	3431.6	3318.4	3180.6	3057.5	2992.3	2968.9	2954.2
3489.4	25°	3622.3	3702.3	3592.8	3384.8	3211.3	3025.5	2930.8	2909.9	2898.8	2887.7
3644.4	27.5°	3787.2	3830.2	3611.2	3315.9	3044.0	2860.7	2826.2	2829.9	2826.2	2807.8
3859.7	30°	4004.9	3996.3	3628.4	3203.9	2852.1	2711.8	2714.3	2730.2	2732.7	2720.4
4160.0	32.5°	4291.6	4204.3	3637.0	3058.8	2668.7	2581.4	2583.8	2601.1	2613.4	2592.4
4552.5	35°	4638.6	4446.6	3623.5	2876.7	2527.2	2457.1	2438.6	2443.6	2447.3	2427.6
5028.6	37.5°	5043.4	4718.6	3563.2	2674.9	2410.3	2335.3	2295.9	2262.7	2243.0	2224.6
5567.5	40°	5487.6	5015.1	3452.5	2478.0	2279.9	2206.1	2147.0	2084.3	2017.8	1993.2
6138.4	42.5°	5952.7	5320.2	3318.4	2289.8	2129.8	2069.5	2006.8	1915.7	1816.1	1765.6
6731.5	45°	6435.0	5632.7	3186.7	2104.0	1976.0	1950.2	1877.6	1768.1	1659.8	1595.8
7325.8	47.5°	6907.4	5928.0	2993.6	1917.0	1832.1	1860.4	1803.8	1702.9	1582.3	1481.4
7915.1	50°	7359.0	6204.9	2677.3	1727.5	1715.2	1833.3	1779.2	1634.0	1496.2	1367.0
8493.4	52.5°	7806.9	6428.8	2272.5	1555.2	1652.4	1825.9	1747.2	1587.2	1418.6	1283.3
9037.3	55°	8187.0	6544.5	1882.5	1407.6	1561.4	1763.2	1709.0	1531.8	1309.1	1165.2
9410.1	57.5°	8403.6	6451.0	1557.7	1262.4	1435.9	1659.8	1643.8	1413.7	1178.7	1068.0
9482.7	60°	8310.1	6072.0	1291.9	1135.7	1316.5	1547.8	1530.6	1296.8	1079.1	974.5
9093.9	62.5°	7794.6	5349.8	1081.5	1024.9	1208.2	1433.4	1417.4	1207.0	1002.8	901.9
8061.5	65°	6756.1	4351.9	917.9	932.6	1098.7	1295.6	1319.0	1132.0	942.5	844.1
6236.9	67.5°	5152.9	3152.3	789.9	852.7	991.7	1160.3	1227.9	1077.8	892.0	798.5
3608.7	70°	2937.0	1790.2	681.6	775.1	897.0	1034.8	1157.8	1034.8	837.9	760.4
1352.2	72.5°	1113.5	821.9	589.4	697.6	805.9	928.9	1080.3	967.1	775.1	717.3
698.9	75°	594.3	500.8	495.8	606.6	701.3	825.6	983.1	900.6	728.4	757.9
483.5	77.5°	404.8	354.4	414.6	519.2	586.9	711.2	879.7	799.8	631.2	628.7
334.7	80°	280.5	251.0	337.1	418.3	454.0	598.0	767.8	686.6	514.3	479.9
206.7	82.5°	168.6	163.6	252.2	312.5	321.1	461.4	636.1	575.8	420.8	366.7
123.0	85°	92.3	97.2	161.2	183.3	187.0	322.4	498.3	445.4	323.6	271.9
44.3	87.5°	25.8	33.2	59.1	72.6	89.8	167.3	296.5	264.5	162.4	113.2
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>
3032.9
3255.6
3397.1
3437.7
3415.6
3363.9
3292.5
3172.0
3040.3
2956.6
2887.7
2811.5
2726.6
2602.3
2441.1
2236.9
2004.3
1771.8
1590.9
1470.3
1355.9
1268.5
1152.9
1053.2
959.7
885.9
828.1
783.8
750.5
707.5
782.5
579.5
458.9
369.1
274.4
113.2
0.0

F REPORT)