

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: P952662

Luminaire Tested: **GALN-SB6B-940-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6B-940-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

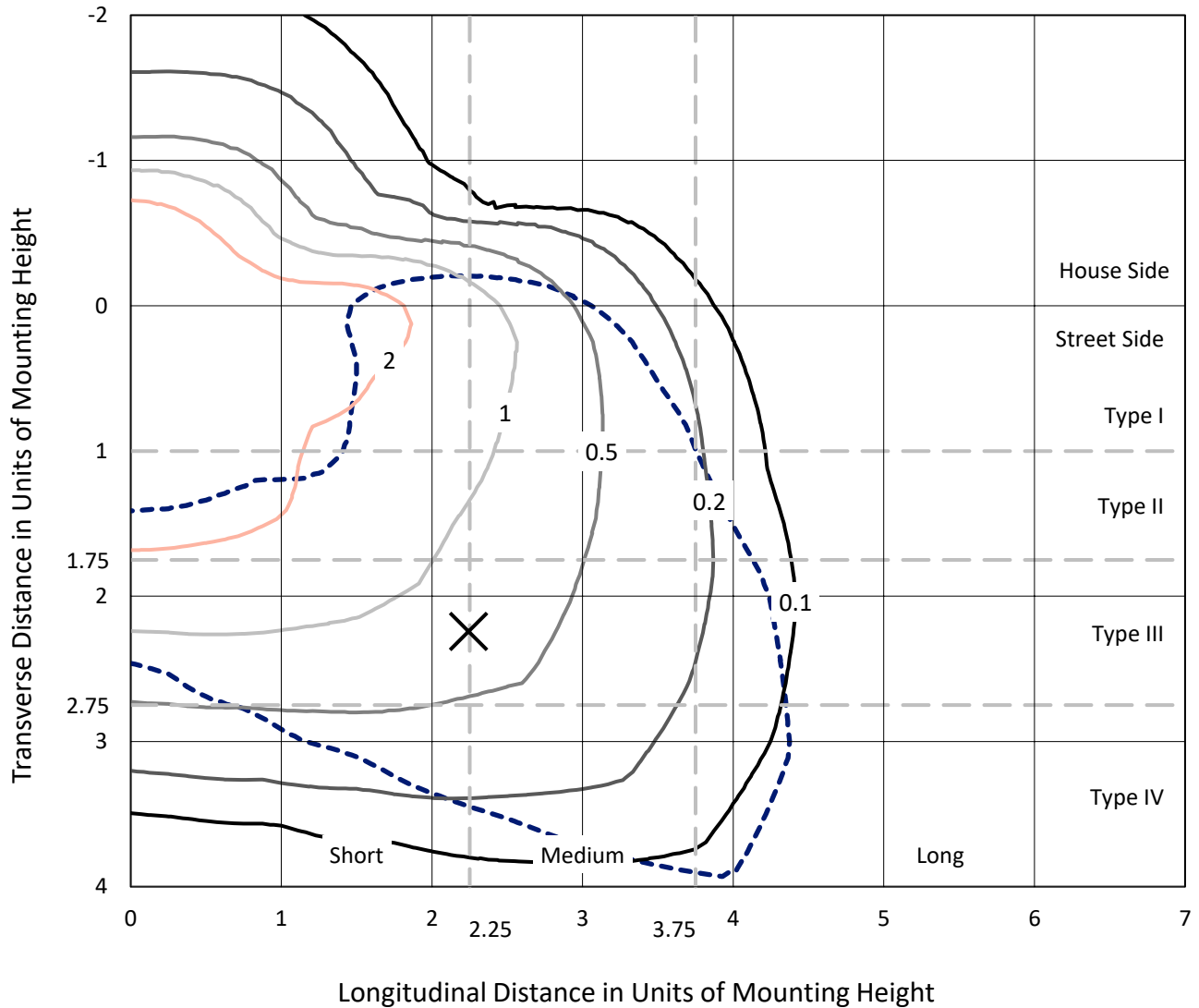
Lumens per Lamp: N/A  
Luminaire Lumens: 24696 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952662  
 CATALOG NUMBER: GALN-SB6B-940-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

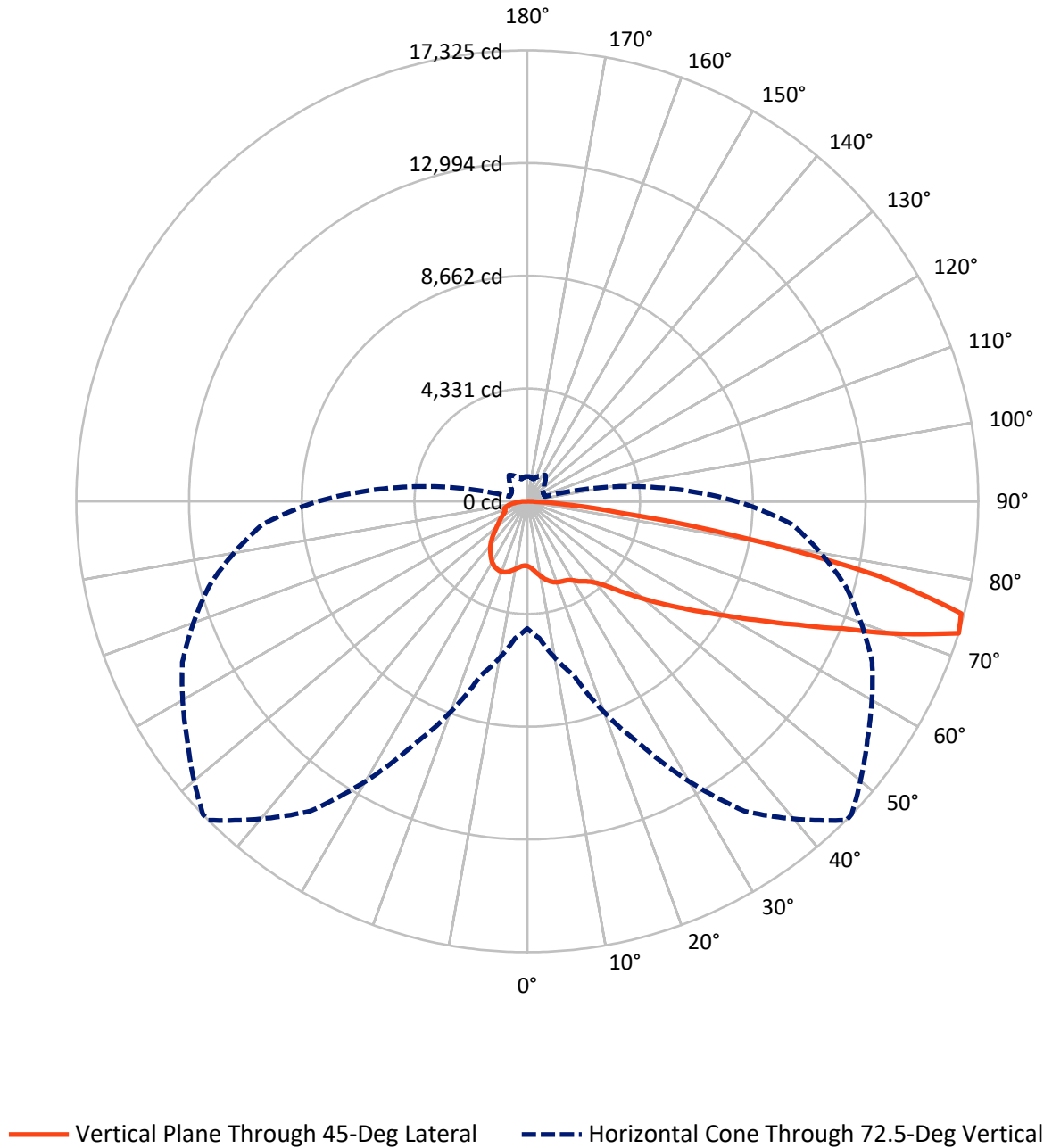
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

REPORT NUMBER: P952662  
CATALOG NUMBER: GALN-SB6B-940-U-T4W

### Luminous Intensity Polar Plot



REPORT NUMBER: P952662

CATALOG NUMBER: GALN-SB6B-940-U-T4W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5582.9	0.0	5582.9
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	19113.1	0.0	19113.1
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	24696.0	0.0	24696.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.6	1.0
10°-20°	845.4	3.4
20°-30°	1470.7	6.0
30°-40°	2108.3	8.5
40°-50°	2968.6	12.0
50°-60°	4547.0	18.4
60°-70°	6587.1	26.7
70°-80°	5260.2	21.3
80°-90°	655.1	2.7
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°	24696.0	100.0
0°-180°	24696.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952662

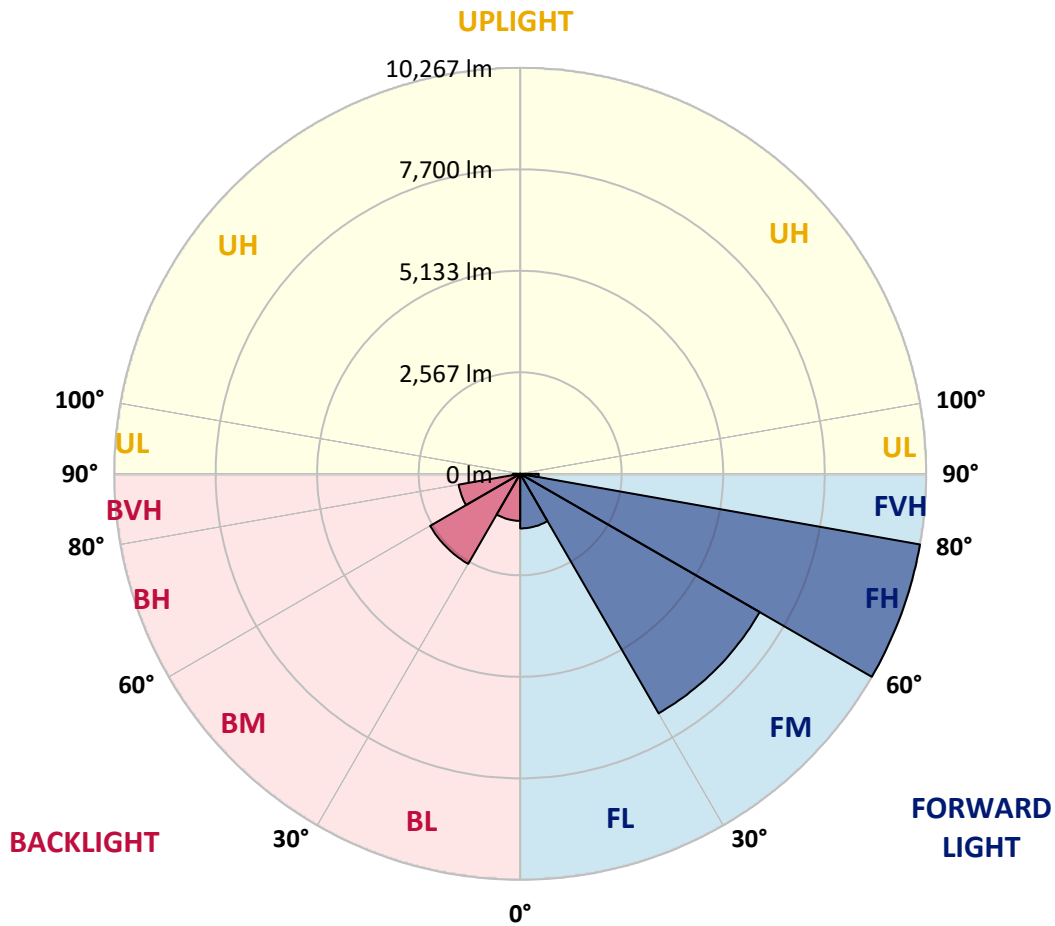
CATALOG NUMBER: GALN-SB6B-940-U-T4W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1381.0	5.6			
FM (30°-60°)	6995.2	28.3			
FH (60°-80°)	10266.9	41.6			G4/12000
FVH (80°-90°)	470.0	1.9			G3/500
BL (0°-30°)	1188.6	4.8	B3/2500		
BM (30°-60°)	2628.8	10.6	B3/5000		
BH (60°-80°)	1580.4	6.4	B3/2500		G3/2500
BVH (80°-90°)	185.1	0.7			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: P952662  
 CATALOG NUMBER: GALN-SB6B-940-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3
2.5°	2588.9	2605.8	2590.2	2575.9	2569.4	2552.5	2551.2	2540.8	2534.3	2516.1
5°	2769.8	2791.9	2765.8	2737.2	2711.2	2669.6	2664.4	2634.5	2600.6	2561.6
7.5°	2974.0	2993.5	2963.6	2920.7	2875.1	2806.2	2804.9	2750.2	2696.9	2630.5
10°	3152.2	3178.3	3137.9	3079.4	3022.1	2944.1	2935.0	2872.5	2804.9	2719.0
12.5°	3309.7	3327.9	3288.8	3217.3	3150.9	3072.9	3061.2	2992.2	2916.8	2819.2
15°	3434.5	3458.0	3405.9	3329.2	3258.9	3182.2	3171.7	3109.3	3033.8	2931.1
17.5°	3516.5	3536.0	3482.7	3396.8	3329.2	3265.4	3257.6	3205.6	3139.2	3035.1
20°	3547.7	3568.5	3512.6	3425.4	3363.0	3313.6	3309.7	3271.9	3226.4	3131.4
22.5°	3579.0	3598.5	3525.6	3434.5	3379.9	3348.7	3347.4	3322.7	3304.4	3226.4
25°	3705.1	3710.3	3612.8	3481.4	3403.3	3376.0	3374.7	3373.4	3381.2	3320.1
27.5°	3814.4	3813.1	3729.9	3606.3	3485.3	3428.0	3426.7	3439.7	3464.5	3413.7
30°	3974.4	3960.1	3861.3	3732.5	3621.9	3533.4	3525.6	3513.9	3533.4	3493.1
32.5°	4314.0	4268.5	4108.4	3879.5	3735.1	3667.4	3657.0	3584.2	3592.0	3567.2
35°	4800.6	4740.7	4527.4	4157.9	3875.6	3779.3	3774.1	3681.7	3666.1	3644.0
37.5°	5379.5	5305.3	5056.8	4561.2	4117.6	3909.4	3901.6	3818.3	3754.6	3731.2
40°	5961.0	5867.3	5661.8	5052.9	4474.0	4126.7	4101.9	3975.7	3902.9	3863.9
42.5°	6525.6	6447.6	6271.9	5604.6	4913.7	4444.1	4389.5	4173.5	4118.9	4082.4
45°	7025.2	6955.0	6826.2	6193.9	5428.9	4876.0	4822.7	4470.1	4453.2	4453.2
47.5°	7431.1	7415.5	7278.9	6794.9	6036.5	5367.8	5275.4	4882.5	4928.1	4998.3
50°	7881.2	7838.3	7692.6	7386.9	6750.7	5931.1	5855.6	5388.6	5559.0	5751.6
52.5°	8294.9	8318.4	8155.7	8003.5	7557.3	6559.5	6426.8	5985.7	6353.9	6672.6
55°	8720.4	8721.7	8676.1	8655.3	8402.9	7254.2	7108.5	6703.9	7289.3	7684.8
57.5°	9119.8	9122.4	9190.0	9373.4	9383.9	8055.6	7890.3	7585.9	8328.8	8732.1
60°	9476.2	9494.4	9679.2	10108.5	10246.4	8974.0	8817.9	8628.0	9403.4	9809.3
62.5°	9595.9	9662.3	10073.4	10683.5	11098.5	10100.7	9947.2	9834.0	10532.6	10909.9
65°	9393.0	9545.2	10340.1	11158.4	11975.4	11439.4	11287.2	11163.6	11706.1	12061.2
67.5°	8894.7	9091.1	10324.4	11656.6	13039.6	13050.0	12908.2	12618.0	12964.1	13100.7
70°	7582.0	7876.0	9415.1	11842.7	14261.2	15252.5	15115.9	14369.1	14219.5	13558.6
72.5°	4885.1	5280.6	6932.8	10311.4	14533.1	17324.9	17317.1	15949.8	14616.3	12668.8
75°	1782.3	2024.3	3221.2	6472.3	12199.1	17219.6	17270.3	15679.2	13342.7	9785.8
77.5°	649.2	710.3	1051.2	2487.4	7502.7	13816.2	13921.6	12534.8	9497.0	4911.1
80°	340.9	374.7	538.6	965.3	3214.7	8205.2	8370.4	7449.3	4463.6	1479.2
82.5°	188.6	204.3	301.8	524.3	1448.0	3508.7	3607.6	2942.8	1570.3	627.1
85°	101.5	108.0	141.8	286.2	707.7	1216.4	1243.7	879.5	625.8	368.2
87.5°	29.9	36.4	46.8	91.1	277.1	273.2	279.7	174.3	247.2	186.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952662  
 CATALOG NUMBER: GALN-SB6B-940-U-T4W

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2491.3	0°	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3	2491.3
2510.9	2.5°	2503.1	2499.2	2484.8	2478.3	2470.5	2469.2	2475.7	2477.0	2478.3	2479.6
2539.5	5°	2526.5	2513.5	2500.5	2492.6	2495.2	2496.5	2509.6	2518.7	2525.2	2530.4
2592.8	7.5°	2572.0	2561.6	2539.5	2538.2	2542.1	2553.8	2570.7	2591.5	2603.2	2612.3
2661.8	10°	2639.7	2620.1	2594.1	2598.0	2605.8	2622.7	2657.9	2674.8	2694.3	2711.2
2746.3	12.5°	2708.6	2691.7	2661.8	2664.4	2677.4	2707.3	2741.1	2761.9	2775.0	2788.0
2837.4	15°	2798.4	2768.5	2735.9	2735.9	2759.3	2791.9	2807.5	2824.4	2832.2	2846.5
2935.0	17.5°	2890.7	2851.7	2808.8	2806.2	2834.8	2850.4	2859.5	2862.1	2864.7	2880.3
3029.9	20°	2983.1	2940.2	2879.0	2873.8	2880.3	2877.7	2876.4	2873.8	2877.7	2897.2
3127.5	22.5°	3074.2	3024.7	2940.2	2916.8	2898.5	2873.8	2872.5	2871.2	2873.8	2893.3
3232.9	25°	3180.9	3121.0	3007.8	2937.6	2876.4	2842.6	2846.5	2847.8	2850.4	2866.0
3342.2	27.5°	3296.6	3230.3	3070.3	2931.1	2820.5	2797.1	2790.6	2794.5	2803.6	2828.3
3451.5	30°	3412.4	3334.4	3127.5	2905.1	2750.2	2717.7	2696.9	2706.0	2734.6	2759.3
3546.4	32.5°	3517.8	3439.7	3173.1	2847.8	2660.5	2609.7	2582.4	2594.1	2622.7	2631.8
3651.8	35°	3641.4	3552.9	3192.6	2756.7	2562.9	2484.8	2448.4	2431.5	2445.8	2436.7
3775.4	37.5°	3779.3	3686.9	3190.0	2637.1	2448.4	2358.6	2307.9	2244.2	2214.2	2183.0
3957.5	40°	3983.6	3850.9	3158.7	2492.6	2306.6	2224.6	2133.6	2025.6	1958.0	1896.8
4251.5	42.5°	4262.0	4078.5	3101.5	2333.9	2146.6	2069.8	1946.2	1820.0	1713.4	1611.9
4697.8	45°	4677.0	4376.4	3029.9	2164.8	1973.6	1898.1	1764.1	1622.3	1501.3	1371.2
5331.3	47.5°	5275.4	4777.1	2962.3	1972.3	1791.4	1722.5	1601.5	1470.1	1327.0	1200.8
6247.2	50°	6097.6	5352.2	2899.8	1784.9	1611.9	1559.9	1463.6	1329.6	1185.2	1083.7
7320.5	52.5°	7143.6	6134.0	2873.8	1604.1	1444.1	1424.6	1347.8	1222.9	1086.3	1000.4
8572.1	55°	8344.4	7069.4	2873.8	1431.1	1297.1	1303.6	1250.2	1134.4	1016.1	939.3
9862.6	57.5°	9569.9	8016.5	2821.8	1271.0	1172.2	1199.5	1165.7	1064.2	957.5	878.2
11219.5	60°	10699.1	8810.1	2611.0	1125.3	1061.6	1104.5	1082.4	995.2	865.1	798.8
12354.0	62.5°	11566.9	9257.7	2205.1	1009.5	970.5	1020.0	1008.2	904.2	848.2	820.9
13285.4	65°	12001.4	9184.8	1686.0	906.8	893.8	970.5	945.8	941.9	897.7	866.4
13588.6	67.5°	11734.7	8557.7	1222.9	831.3	849.5	925.0	1020.0	1035.6	953.6	892.5
12735.1	70°	10565.1	7423.3	910.7	759.8	793.6	926.3	1163.1	1083.7	935.4	863.8
10213.9	72.5°	8037.4	5535.6	706.4	684.3	720.7	932.8	1226.8	1061.6	883.4	954.9
6363.0	75°	4596.3	3039.1	567.2	591.9	629.7	871.6	1194.3	1004.3	843.0	876.8
2521.3	77.5°	1752.4	1168.3	468.3	500.9	506.1	761.1	1142.2	1000.4	802.7	783.2
755.9	80°	607.6	456.6	387.7	398.1	391.6	676.5	1095.4	870.3	657.0	588.0
312.2	82.5°	248.5	227.7	307.0	294.0	278.4	525.6	884.7	711.6	537.3	474.9
150.9	85°	108.0	144.4	203.0	178.2	161.3	364.3	709.0	602.3	454.0	391.6
49.4	87.5°	22.1	54.6	85.9	80.7	83.3	243.3	503.5	428.0	321.3	240.7
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>
2491.3
2484.8
2533.0
2614.9
2707.3
2793.2
2851.7
2885.5
2905.1
2906.4
2886.8
2853.0
2786.7
2664.4
2465.3
2202.5
1900.7
1602.8
1355.6
1186.5
1077.2
993.9
931.5
865.1
788.4
811.8
856.0
882.1
852.1
947.1
876.8
714.2
568.5
469.6
390.3
188.6
0.0

F REPORT)