

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: P951232

Luminaire Tested: **GALN-SB5B-940-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB5B-940-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

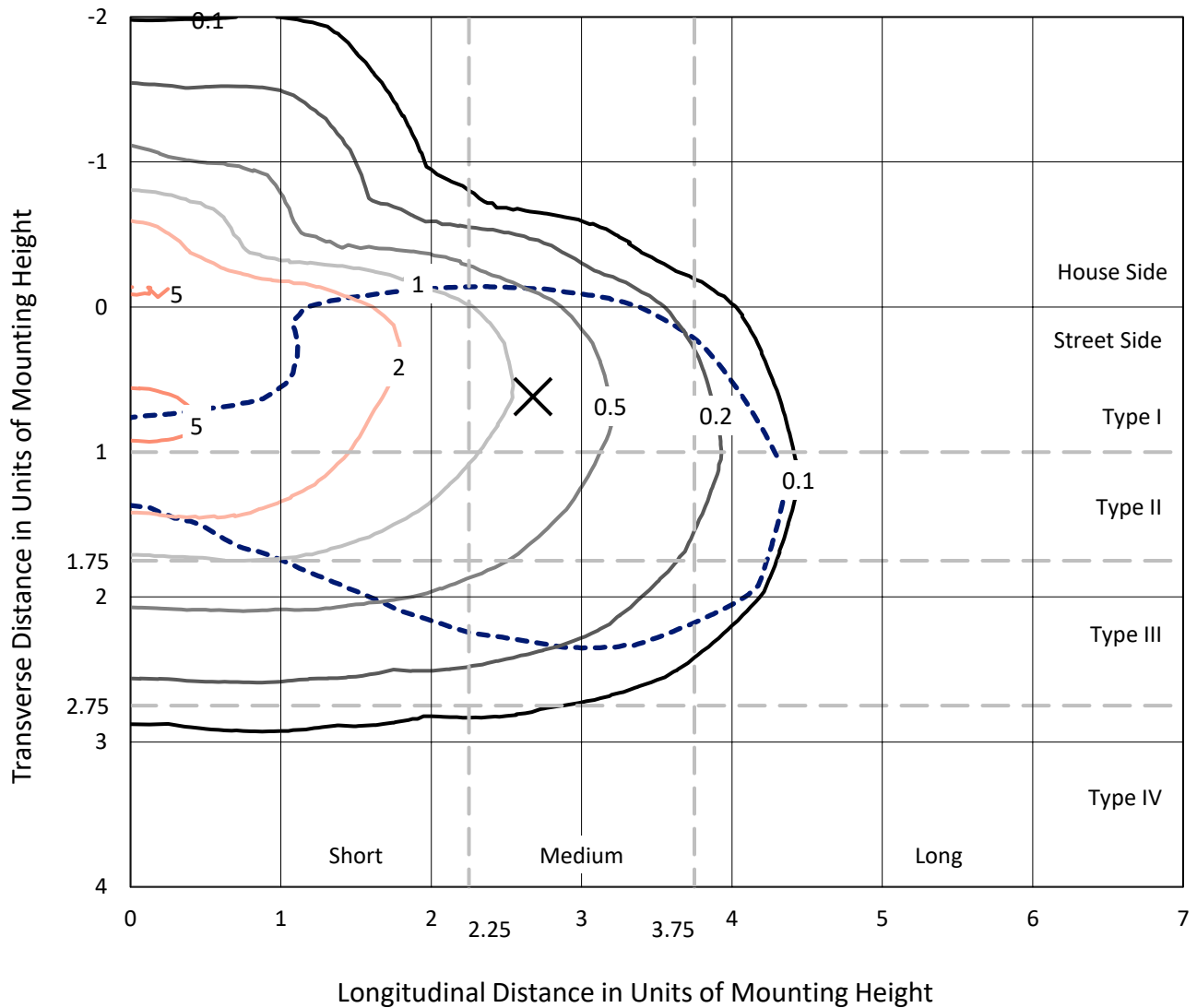
Lumens per Lamp: N/A  
Luminaire Lumens: 21160 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): 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: P951232  
 CATALOG NUMBER: GALN-SB5B-940-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

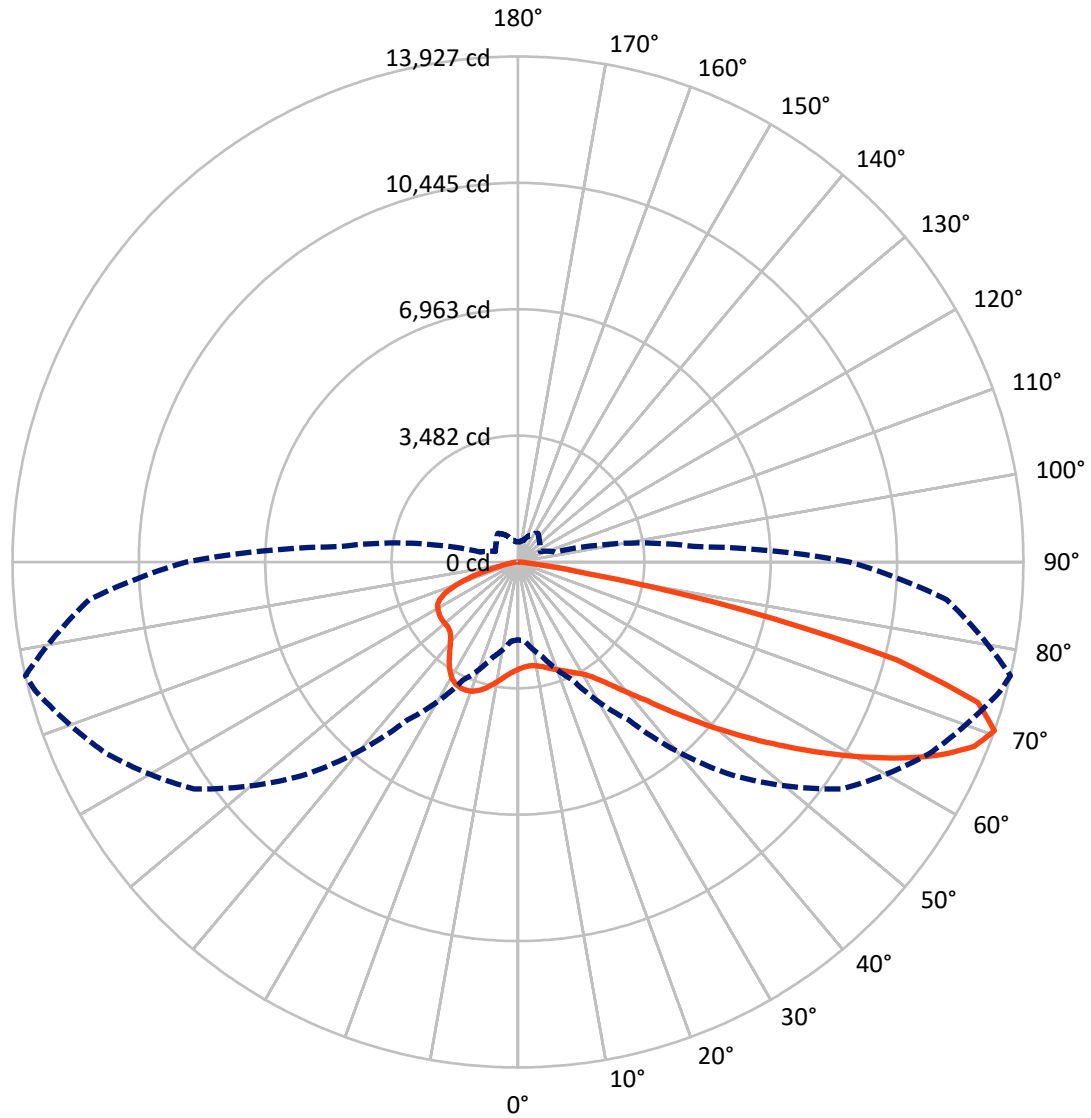
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P951232  
CATALOG NUMBER: GALN-SB5B-940-U-T3R

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P951232  
 CATALOG NUMBER: GALN-SB5B-940-U-T3R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4633.7	0.0	4633.7
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	16526.3	0.0	16526.3
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	21160.0	0.0	21160.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.5	1.3
10°-20°	812.6	3.8
20°-30°	1389.6	6.6
30°-40°	2234.6	10.6
40°-50°	3488.8	16.5
50°-60°	4660.2	22.0
60°-70°	4967.1	23.5
70°-80°	3057.7	14.5
80°-90°	267.9	1.3
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°	21160.0	100.0
0°-180°	21160.0	100.0



REPORT NUMBER: P951232

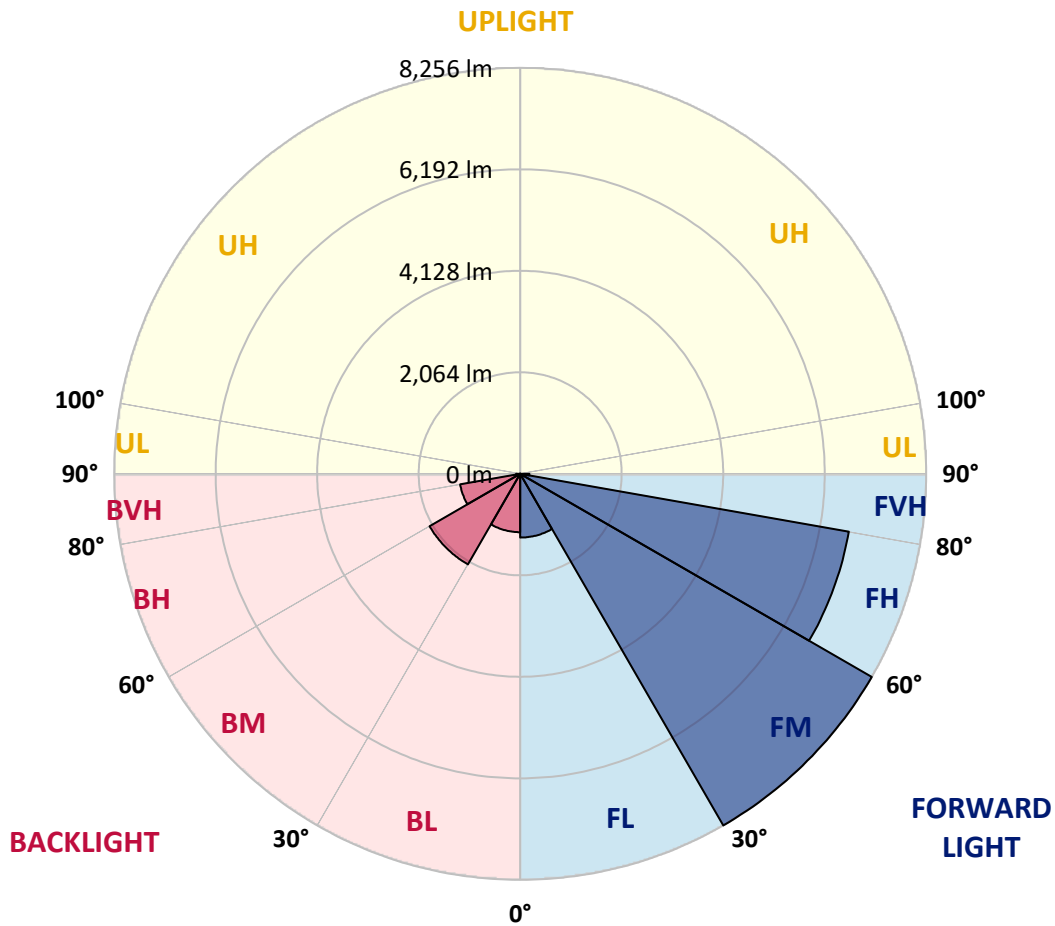
CATALOG NUMBER: GALN-SB5B-940-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.4	6.1			
FM (30°-60°)	8256.2	39.0			
FH (60°-80°)	6786.4	32.1			G3/7500
FVH (80°-90°)	187.4	0.9			G2/225
BL (0°-30°)	1187.3	5.6	B3/2500		
BM (30°-60°)	2127.4	10.1	B2/2500		
BH (60°-80°)	1238.4	5.9	B3/2500		G3/2500
BVH (80°-90°)	80.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Medium



REPORT NUMBER: P951232  
 CATALOG NUMBER: GALN-SB5B-940-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0
2.5°	2721.2	2720.1	2734.2	2738.5	2764.5	2783.0	2817.6	2854.5	2902.2	2907.6
5°	2564.0	2564.0	2580.3	2597.6	2631.2	2668.1	2721.2	2785.1	2867.5	2880.5
7.5°	2430.8	2439.4	2453.5	2487.1	2526.1	2579.2	2660.5	2751.5	2859.9	2880.5
10°	2323.5	2333.2	2350.6	2377.6	2436.2	2509.9	2616.1	2733.1	2878.3	2910.8
12.5°	2289.9	2299.6	2309.4	2330.0	2384.2	2470.8	2597.6	2741.8	2922.8	2955.3
15°	2367.9	2379.8	2372.2	2366.8	2395.0	2474.1	2606.3	2773.2	2978.0	3024.6
17.5°	2547.8	2552.1	2534.8	2483.9	2479.5	2521.8	2647.5	2816.5	3047.4	3098.3
20°	2838.2	2830.6	2794.9	2694.1	2636.7	2628.0	2717.9	2881.6	3118.9	3173.1
22.5°	3232.7	3224.0	3152.5	2993.2	2865.3	2780.8	2819.8	2966.1	3199.1	3259.8
25°	3724.7	3712.8	3607.7	3390.9	3192.6	2983.4	2958.5	3077.7	3297.7	3354.1
27.5°	4299.1	4289.3	4175.5	3889.4	3603.3	3260.9	3130.8	3208.9	3400.7	3464.6
30°	4916.8	4944.9	4743.4	4435.6	4073.6	3622.8	3362.7	3370.3	3534.0	3591.4
32.5°	5642.9	5691.6	5448.9	5058.7	4564.6	4016.2	3655.3	3595.7	3727.9	3775.6
35°	6362.4	6417.7	6216.1	5784.8	5215.9	4480.0	3960.9	3854.7	3985.9	4037.9
37.5°	6984.5	7058.2	6954.1	6579.2	5912.7	5039.2	4359.7	4159.3	4303.4	4368.4
40°	7475.4	7588.1	7580.5	7346.4	6734.1	5717.6	4865.8	4535.3	4697.9	4768.3
42.5°	7874.2	7971.7	8056.3	8044.3	7591.4	6488.1	5460.8	5024.1	5147.6	5228.9
45°	8149.5	8253.5	8435.6	8631.7	8416.1	7312.8	6142.4	5603.8	5716.5	5839.0
47.5°	8395.5	8513.6	8749.8	9060.9	9116.1	8140.8	6889.1	6279.0	6381.9	6508.7
50°	8417.1	8519.0	8885.3	9326.4	9613.5	8936.2	7691.1	7036.5	7132.9	7268.4
52.5°	7893.7	8054.1	8693.5	9318.8	9842.2	9601.6	8487.6	7824.4	7932.7	8095.3
55°	6127.3	6362.4	8131.0	9028.3	9760.9	10031.9	9245.1	8662.1	8800.8	8970.9
57.5°	5277.6	5380.6	6454.5	8499.5	9390.3	10143.5	9884.5	9508.4	9731.7	9918.1
60°	4743.4	4829.0	5464.0	7677.0	8902.6	9966.8	10378.6	10297.4	10683.2	10905.3
62.5°	4171.2	4252.5	4830.1	6410.1	8278.4	9673.2	10690.8	11025.6	11658.5	11901.3
65°	3603.3	3672.7	4226.5	5386.0	7485.2	9379.5	10852.2	11655.2	12561.2	12812.6
67.5°	2970.4	3027.9	3551.3	4544.0	6520.7	8977.4	10932.4	12150.5	13346.9	13562.6
70°	2143.6	2188.0	2728.8	3593.6	5310.2	8286.0	10899.9	12501.6	13754.4	13926.7
72.5°	1013.3	1053.4	1688.4	2333.2	3750.7	6940.0	10242.1	12223.1	13340.4	13254.8
75°	540.8	575.4	969.9	1279.9	1981.0	4757.5	8381.4	10529.3	11202.3	10786.1
77.5°	366.3	393.4	600.4	768.3	904.9	2258.4	5387.1	7290.1	7013.7	6326.7
80°	290.4	318.6	492.0	520.2	437.8	816.0	2225.9	3374.7	2424.2	1938.7
82.5°	223.2	254.7	414.0	377.1	238.4	334.9	648.1	1067.4	621.0	472.5
85°	136.5	170.1	325.1	240.6	134.4	152.8	220.0	296.9	189.6	158.2
87.5°	69.4	97.5	164.7	87.8	60.7	35.8	58.5	58.5	49.9	43.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951232  
 CATALOG NUMBER: GALN-SB5B-940-U-T3R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2952.0	0°	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0
2936.8	2.5°	2962.9	2984.5	3021.4	3056.0	3083.1	3109.2	3135.2	3149.2	3153.6	3170.9
2953.1	5°	2997.5	3037.6	3109.2	3176.3	3218.6	3244.6	3263.0	3273.9	3276.0	3281.5
2997.5	7.5°	3061.5	3125.4	3225.1	3292.3	3323.7	3321.6	3314.0	3286.9	3276.0	3266.3
3062.6	10°	3151.4	3235.9	3358.4	3405.0	3385.5	3333.5	3266.3	3187.2	3150.3	3114.6
3151.4	12.5°	3263.0	3370.3	3490.6	3488.4	3392.0	3258.7	3102.6	2981.3	2904.3	2849.1
3260.9	15°	3398.5	3522.0	3614.2	3540.5	3329.1	3089.6	2861.0	2702.8	2633.4	2572.7
3371.4	17.5°	3538.3	3670.5	3712.8	3524.2	3170.9	2839.3	2580.3	2455.7	2387.4	2354.9
3490.6	20°	3674.8	3806.0	3771.3	3431.0	2930.3	2555.4	2324.5	2256.3	2242.2	2249.8
3606.6	22.5°	3819.0	3936.0	3783.2	3251.1	2623.7	2264.9	2138.2	2140.3	2171.7	2194.5
3727.9	25°	3966.4	4045.5	3751.8	2991.0	2294.2	2051.5	2020.0	2054.7	2116.5	2160.9
3864.5	27.5°	4108.3	4143.0	3683.5	2669.2	2011.4	1898.7	1904.1	1975.6	2068.8	2130.6
4030.3	30°	4268.7	4229.7	3552.4	2307.2	1815.2	1767.5	1813.0	1896.5	1989.7	2045.0
4239.5	32.5°	4449.7	4304.5	3344.3	1972.3	1676.5	1662.4	1737.2	1791.4	1832.5	1848.8
4516.9	35°	4675.1	4409.6	3077.7	1737.2	1551.9	1585.5	1657.0	1629.9	1613.6	1605.0
4889.7	37.5°	4967.7	4551.6	2765.6	1584.4	1451.1	1530.2	1559.5	1474.9	1411.0	1379.6
5341.6	40°	5319.9	4759.6	2465.4	1466.3	1387.1	1482.5	1431.6	1329.7	1248.4	1204.0
5849.8	42.5°	5711.1	4977.5	2212.9	1377.4	1351.4	1443.5	1337.3	1215.9	1084.8	1070.7
6455.6	45°	6121.9	5201.8	2040.6	1309.1	1334.0	1409.9	1283.1	1087.0	993.8	1051.2
7063.6	47.5°	6532.6	5407.7	1936.6	1258.2	1325.4	1372.0	1235.4	1015.4	949.3	1032.8
7714.9	50°	6989.9	5591.9	1890.0	1221.3	1315.6	1356.8	1163.9	997.0	902.7	958.0
8389.0	52.5°	7444.0	5735.0	1855.3	1184.5	1301.5	1344.9	1129.2	975.3	846.4	849.6
9067.4	55°	7897.0	5828.2	1817.4	1135.7	1270.1	1318.9	1126.0	951.5	804.1	788.9
9784.8	57.5°	8380.3	5881.3	1770.8	1081.5	1215.9	1252.8	1122.7	933.1	791.1	766.2
10518.4	60°	8872.3	5959.3	1710.1	1015.4	1143.3	1173.7	1115.1	926.6	783.5	741.3
11209.8	62.5°	9313.4	5986.4	1637.5	952.6	1050.1	1095.6	1098.9	921.1	762.9	690.3
11784.2	65°	9602.7	5869.3	1510.7	881.1	949.3	1015.4	1067.4	902.7	726.1	653.5
12068.1	67.5°	9590.8	5535.6	1312.4	788.9	851.8	926.6	1021.9	871.3	681.7	608.0
11853.6	70°	9144.3	4876.7	1060.9	681.7	744.5	831.2	963.4	824.7	628.5	558.1
10540.1	72.5°	7842.8	3816.8	770.5	555.9	619.9	732.6	887.6	768.3	574.4	513.7
7789.7	75°	5602.8	2415.6	522.3	427.0	482.2	621.0	793.3	702.2	524.5	515.8
3901.3	77.5°	2862.1	1154.1	345.7	312.1	335.9	489.8	666.5	627.5	532.1	425.9
1109.7	80°	930.9	425.9	217.8	212.4	223.2	326.2	515.8	514.8	403.1	289.3
268.8	82.5°	296.9	183.1	142.0	136.5	131.1	204.8	359.8	407.5	272.0	183.1
96.4	85°	118.1	109.5	83.4	76.9	55.3	96.4	188.6	270.9	202.7	132.2
24.9	87.5°	43.3	43.3	22.8	16.3	11.9	32.5	50.9	81.3	116.0	68.3
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°
2952.0
3180.7
3290.1
3268.5
3103.7
2836.1
2566.2
2364.6
2246.5
2199.9
2172.8
2145.7
2058.0
1857.5
1613.6
1387.1
1207.2
1084.8
1081.5
1071.8
999.2
872.4
799.8
769.4
744.5
690.3
653.5
611.2
564.6
510.4
486.6
379.3
255.8
182.1
135.5
67.2
0.0

F REPORT)