

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: P948015

Luminaire Tested: **GALN-SB3A-940-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3A-940-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

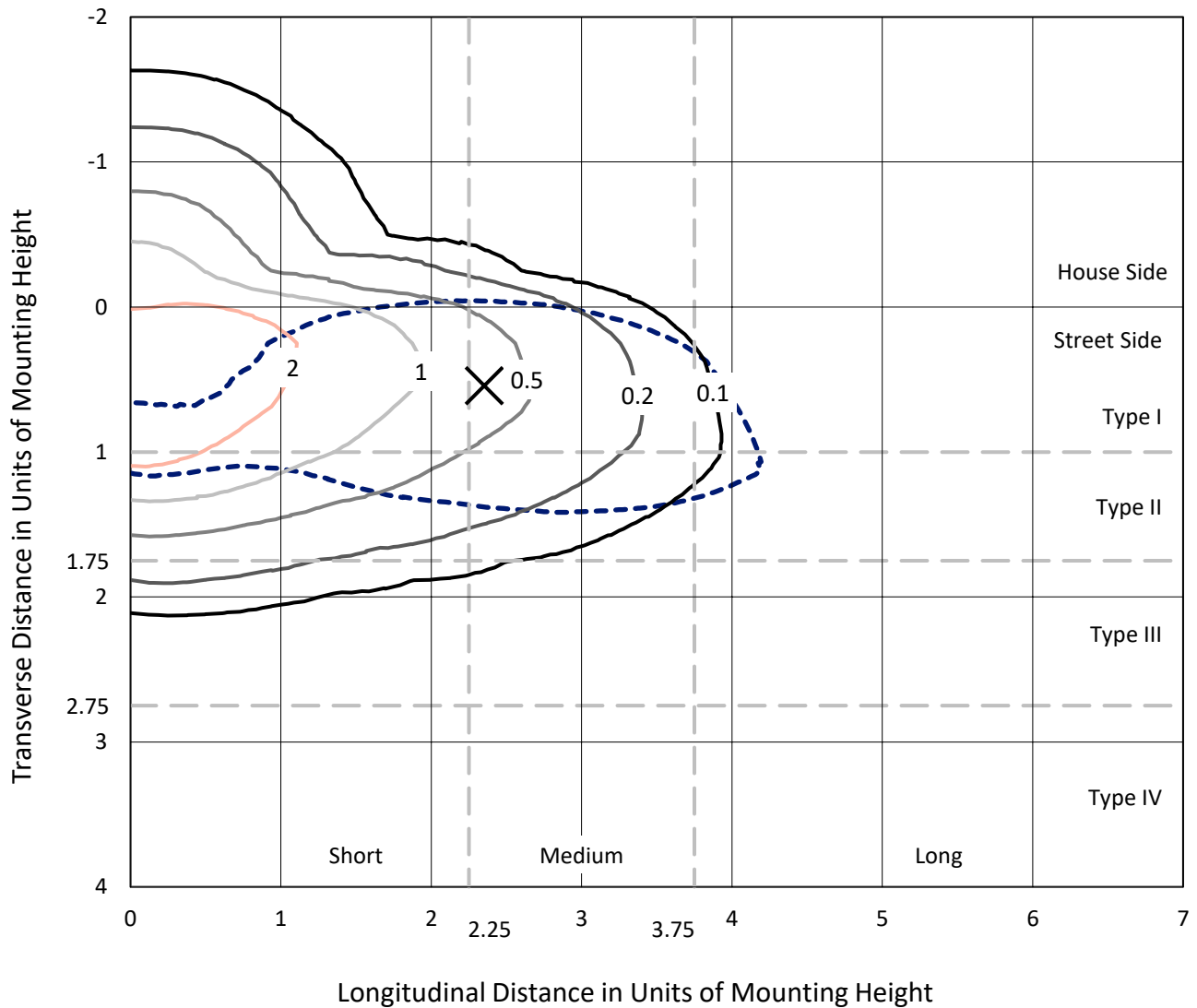
Lumens per Lamp: N/A  
Luminaire Lumens: 9934 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P948015  
 CATALOG NUMBER: GALN-SB3A-940-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

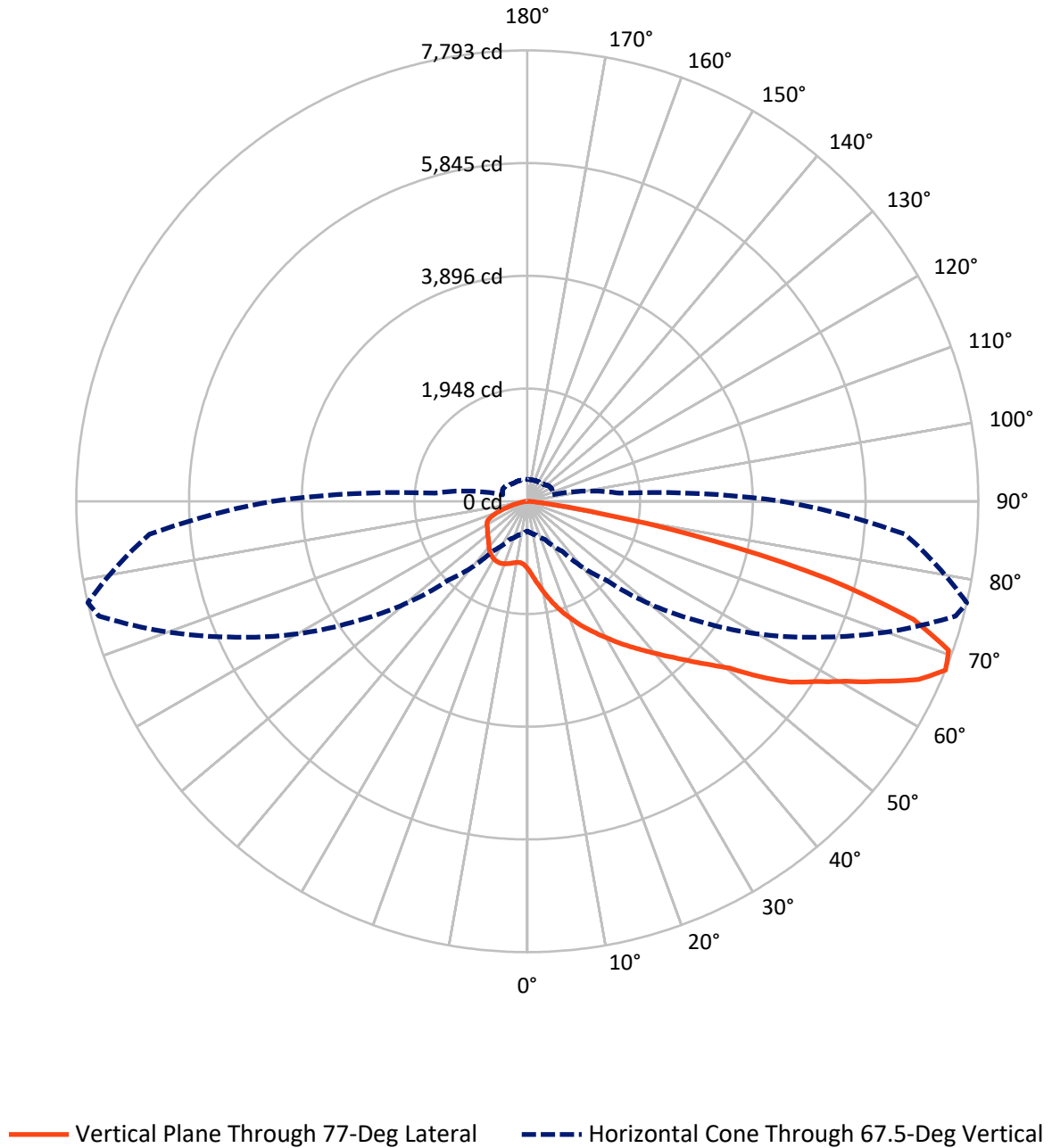
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P948015  
CATALOG NUMBER: GALN-SB3A-940-U-T2R

### Luminous Intensity Polar Plot



REPORT NUMBER: P948015  
 CATALOG NUMBER: GALN-SB3A-940-U-T2R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1879.1	0.0	1879.1
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	8054.9	0.0	8054.9
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	9934.0	0.0	9934.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.9	1.3
10°-20°	448.8	4.5
20°-30°	847.4	8.5
30°-40°	1365.2	13.7
40°-50°	1867.4	18.8
50°-60°	2106.4	21.2
60°-70°	1966.1	19.8
70°-80°	1077.7	10.8
80°-90°	130.0	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°	9934.0	100.0
0°-180°	9934.0	100.0

**Coefficient of Utilization**



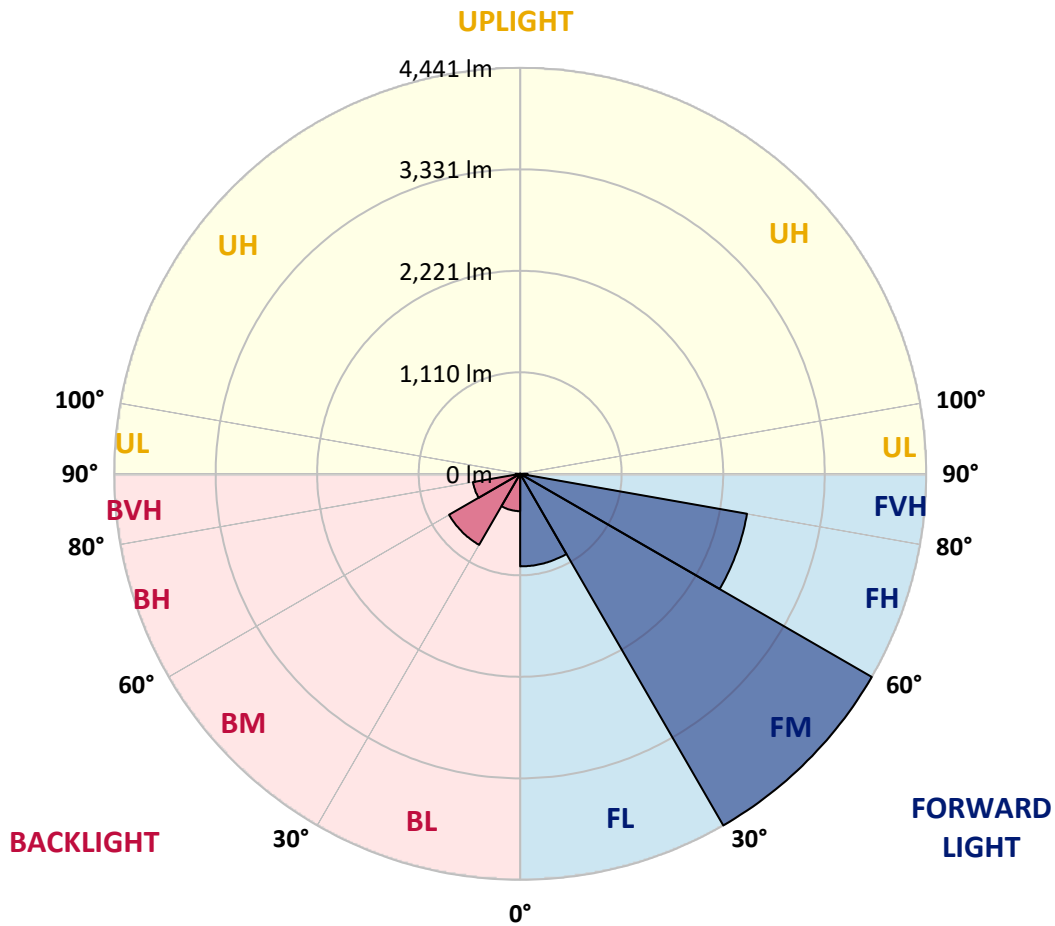
REPORT NUMBER: P948015  
 CATALOG NUMBER: GALN-SB3A-940-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1012.6	10.2			
FM (30°-60°)	4441.4	44.7			
FH (60°-80°)	2519.6	25.4			G2/5000
FVH (80°-90°)	81.3	0.8			G1/100
BL (0°-30°)	408.6	4.1	B1/500		
BM (30°-60°)	897.6	9.0	B1/1000		
BH (60°-80°)	524.2	5.3	B2/1000		G2/1000
BVH (80°-90°)	48.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



REPORT NUMBER: P948015  
 CATALOG NUMBER: GALN-SB3A-940-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6
2.5°	1459.4	1469.7	1456.8	1456.8	1413.8	1391.2	1348.1	1315.3	1256.3	1246.1
5°	1725.0	1737.8	1719.9	1712.2	1661.4	1614.8	1542.5	1471.2	1366.1	1355.3
7.5°	1930.6	1947.1	1931.2	1923.0	1877.8	1825.5	1740.9	1641.4	1493.2	1472.2
10°	2098.3	2100.9	2095.8	2098.8	2063.5	2020.4	1933.7	1817.8	1632.7	1604.0
12.5°	2193.2	2205.0	2215.2	2233.7	2227.6	2200.9	2122.9	1984.5	1780.4	1743.5
15°	2237.8	2258.3	2281.4	2324.0	2358.3	2365.0	2305.5	2163.5	1930.6	1886.0
17.5°	2253.7	2273.2	2309.6	2371.1	2445.0	2494.7	2468.0	2337.3	2079.4	2028.1
20°	2334.2	2339.9	2361.9	2420.4	2500.4	2582.9	2602.9	2504.5	2226.5	2168.6
22.5°	2506.5	2495.2	2501.4	2528.0	2585.5	2665.5	2711.1	2652.1	2377.8	2311.1
25°	2791.1	2758.3	2725.5	2694.7	2723.9	2769.1	2820.8	2799.8	2536.2	2451.6
27.5°	3150.6	3110.6	3038.3	2937.2	2901.9	2917.8	2940.8	2936.7	2682.9	2597.3
30°	3504.4	3457.7	3371.6	3225.4	3132.1	3090.1	3072.6	3060.8	2842.4	2751.1
32.5°	3786.9	3750.0	3665.4	3501.8	3366.5	3294.7	3236.7	3194.7	3009.0	2917.8
35°	4034.1	3999.7	3902.8	3724.4	3577.2	3500.8	3424.9	3335.2	3182.4	3090.1
37.5°	4259.7	4225.4	4092.6	3906.9	3758.7	3705.9	3638.2	3485.9	3356.2	3269.0
40°	4402.3	4394.6	4270.5	4060.3	3906.4	3880.3	3857.7	3660.8	3549.0	3468.0
42.5°	4438.7	4455.6	4357.2	4184.3	4037.7	4016.7	4069.5	3858.7	3765.4	3688.0
45°	4351.0	4399.7	4335.1	4217.7	4131.0	4119.7	4257.2	4075.1	4004.9	3934.1
47.5°	4129.0	4211.5	4184.9	4168.5	4156.1	4204.9	4422.3	4304.9	4276.1	4214.6
50°	3680.8	3837.2	3883.9	3987.4	4106.4	4271.0	4572.5	4555.6	4593.0	4531.0
52.5°	2906.0	3121.3	3392.1	3651.6	3953.6	4249.0	4737.6	4915.6	5073.5	5039.7
55°	2398.8	2495.7	2703.9	3179.8	3657.2	4156.1	4812.0	5206.3	5550.4	5520.2
57.5°	2009.1	2095.8	2224.0	2621.4	3209.0	3945.4	4858.2	5383.8	5877.1	5874.0
60°	1591.2	1683.0	1814.2	2095.8	2685.5	3581.3	4847.9	5585.8	6294.0	6319.6
62.5°	1119.4	1220.4	1366.1	1628.6	2150.6	3109.5	4638.7	5731.9	6784.7	6854.4
65°	735.9	802.5	912.2	1138.9	1602.5	2502.9	4239.2	5750.9	7309.8	7427.7
67.5°	515.9	541.5	606.1	729.2	1056.3	1919.4	3602.8	5554.5	7660.0	7792.8
70°	402.5	415.4	448.2	497.4	663.5	1290.7	2760.8	5043.8	7585.2	7723.6
72.5°	347.7	360.0	372.3	378.4	445.1	796.9	1870.1	4217.2	6880.1	6973.9
75°	315.4	318.4	328.7	326.6	339.5	516.9	1079.4	3072.6	5428.4	5396.1
77.5°	265.1	269.2	286.1	283.6	301.5	353.3	560.5	1983.0	3519.3	3299.8
80°	224.6	226.7	245.1	242.0	262.0	255.9	286.1	1010.7	1492.7	1264.5
82.5°	77.9	96.4	187.2	192.8	200.0	154.9	165.1	412.3	455.9	349.2
85°	37.9	40.5	95.4	135.4	134.9	77.9	80.5	147.2	143.6	112.8
87.5°	6.2	7.7	11.3	52.8	42.0	20.5	27.7	28.7	29.7	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948015  
 CATALOG NUMBER: GALN-SB3A-940-U-T2R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1165.6	0°	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6	1165.6
1207.1	2.5°	1178.4	1152.7	1098.9	1049.2	1010.2	972.8	951.7	933.8	923.5	921.5
1263.5	5°	1210.2	1157.4	1059.4	976.9	923.0	883.0	862.0	848.7	842.0	837.9
1339.4	7.5°	1255.8	1178.4	1038.9	945.1	888.7	859.9	849.2	847.1	846.6	847.1
1431.2	10°	1318.9	1212.7	1036.9	937.4	890.2	874.3	873.8	874.3	876.4	876.9
1531.2	12.5°	1387.1	1248.1	1045.1	944.0	909.7	901.0	899.4	898.9	900.5	901.5
1632.2	15°	1461.4	1294.8	1058.9	958.4	931.2	922.0	920.5	917.4	916.9	916.4
1738.4	17.5°	1537.9	1340.9	1074.3	973.8	945.1	932.2	926.6	919.4	913.8	912.2
1848.1	20°	1615.3	1386.6	1085.1	981.5	946.1	928.1	916.9	904.6	894.8	889.2
1958.8	22.5°	1697.8	1434.3	1091.7	979.4	936.9	912.2	891.7	877.4	862.5	852.8
2070.6	25°	1778.3	1475.8	1091.2	968.7	918.9	887.6	861.5	843.0	822.5	812.3
2186.0	27.5°	1855.8	1513.2	1078.4	949.7	893.3	858.4	827.1	805.1	785.1	775.3
2302.4	30°	1935.8	1544.5	1058.4	922.0	863.0	824.6	790.2	771.2	753.3	744.1
2425.5	32.5°	2015.3	1573.2	1030.2	887.6	828.2	791.2	757.4	740.0	729.2	729.2
2557.8	35°	2099.4	1593.2	992.8	847.6	791.2	755.8	729.2	718.9	717.9	711.7
2697.8	37.5°	2188.1	1606.1	947.1	806.6	754.8	721.5	713.3	701.0	690.7	677.4
2851.6	40°	2281.4	1618.9	892.3	764.1	716.4	697.9	694.3	677.9	648.7	615.9
3026.0	42.5°	2394.7	1627.6	835.3	721.5	675.9	669.7	674.8	646.6	600.0	575.3
3236.2	45°	2526.0	1641.9	783.0	679.4	634.3	634.3	655.9	618.9	580.5	565.1
3476.2	47.5°	2696.2	1675.3	734.3	633.3	595.9	606.1	613.8	585.6	564.1	545.1
3768.5	50°	2942.4	1755.3	684.1	586.6	566.6	587.1	576.4	560.0	534.8	519.5
4233.1	52.5°	3248.0	1802.4	639.4	544.6	541.5	562.0	546.6	531.2	512.3	491.8
4585.3	55°	3456.2	1811.2	602.0	513.8	524.6	522.5	516.9	503.0	492.8	465.6
4933.0	57.5°	3689.0	1828.6	571.2	495.4	513.8	491.3	489.2	477.4	464.1	445.6
5357.1	60°	3967.4	1855.8	544.6	488.2	504.6	470.7	460.5	455.9	442.5	433.3
5867.3	62.5°	4271.0	1880.4	517.4	489.2	493.8	450.7	435.4	433.8	425.6	422.5
6346.3	65°	4478.2	1813.2	483.6	488.2	476.9	430.2	410.7	410.2	403.6	402.5
6553.9	67.5°	4405.9	1600.4	437.9	473.8	459.5	409.7	388.2	386.1	377.4	377.9
6337.0	70°	4043.8	1296.8	374.8	438.4	437.9	391.3	364.6	357.9	346.1	348.2
5509.9	72.5°	3364.9	961.0	290.2	379.5	403.6	374.3	337.4	326.6	311.8	313.8
4067.4	75°	2430.1	653.3	211.3	288.7	351.3	354.3	310.7	292.3	274.3	277.4
2264.0	77.5°	1243.5	370.2	155.4	199.0	275.9	322.0	286.6	262.0	257.9	286.6
652.8	80°	405.6	185.6	107.7	139.5	181.0	263.6	251.3	223.1	222.0	228.7
136.9	82.5°	121.0	78.5	69.2	91.8	100.0	202.0	216.9	168.7	145.1	152.8
45.6	85°	41.5	37.9	39.5	45.6	47.7	118.5	151.8	111.8	105.6	116.4
10.3	87.5°	9.7	13.3	11.3	10.3	10.3	28.7	59.0	46.7	64.6	43.1
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

180°
1165.6
921.5
837.4
848.7
877.4
902.0
915.8
913.8
891.2
853.3
812.3
774.8
743.5
729.7
710.2
675.3
611.2
575.9
567.7
544.6
517.9
487.7
466.1
439.5
435.9
422.5
402.0
377.9
350.2
313.3
278.4
282.5
196.4
157.9
114.9
41.5
0.0

F REPORT)