

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: P939519

Luminaire Tested: **GALN-SB2A-927-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939519  
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-SB2A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

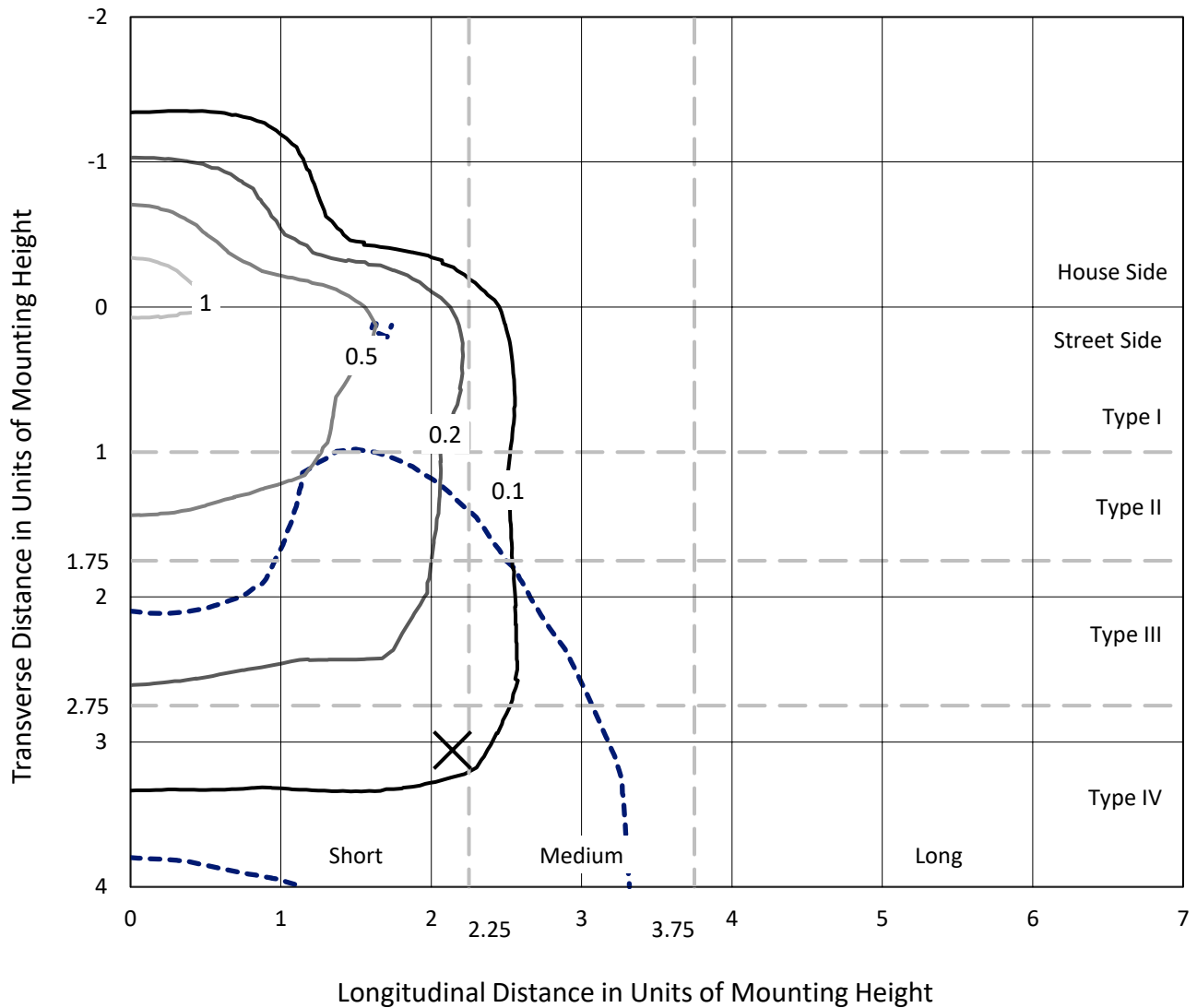
Lumens per Lamp: N/A  
Luminaire Lumens: 5397 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P939519  
 CATALOG NUMBER: GALN-SB2A-927-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

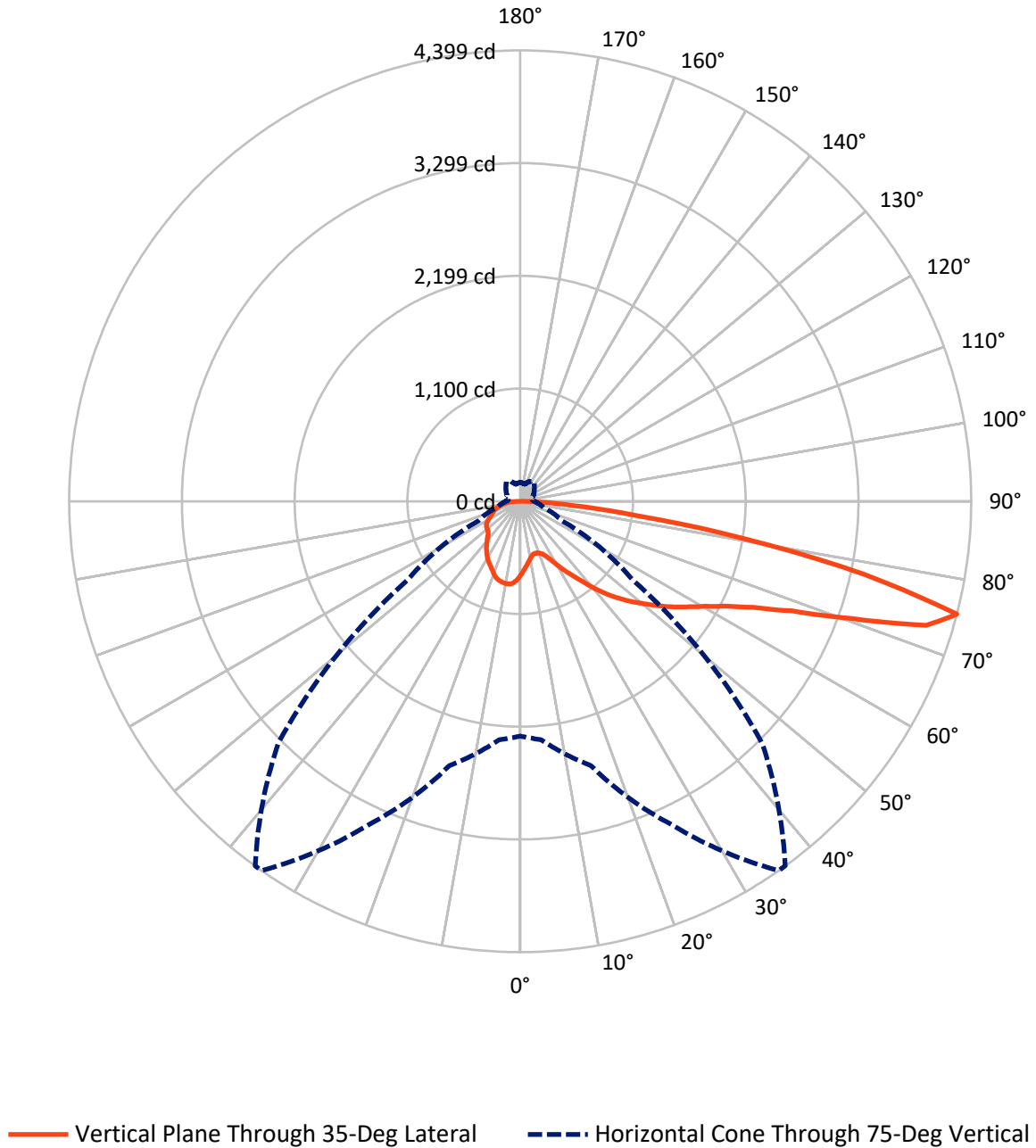
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P939519  
CATALOG NUMBER: GALN-SB2A-927-U-T4FT

### Luminous Intensity Polar Plot



REPORT NUMBER: P939519  
 CATALOG NUMBER: GALN-SB2A-927-U-T4FT

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1284.3	0.0	1284.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	4112.7	0.0	4112.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	5397.0	0.0	5397.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	1.3
10°-20°	196.4	3.6
20°-30°	329.8	6.1
30°-40°	512.6	9.5
40°-50°	760.8	14.1
50°-60°	1050.4	19.5
60°-70°	1274.3	23.6
70°-80°	1053.1	19.5
80°-90°	151.5	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°	5397.0	100.0
0°-180°	5397.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P939519

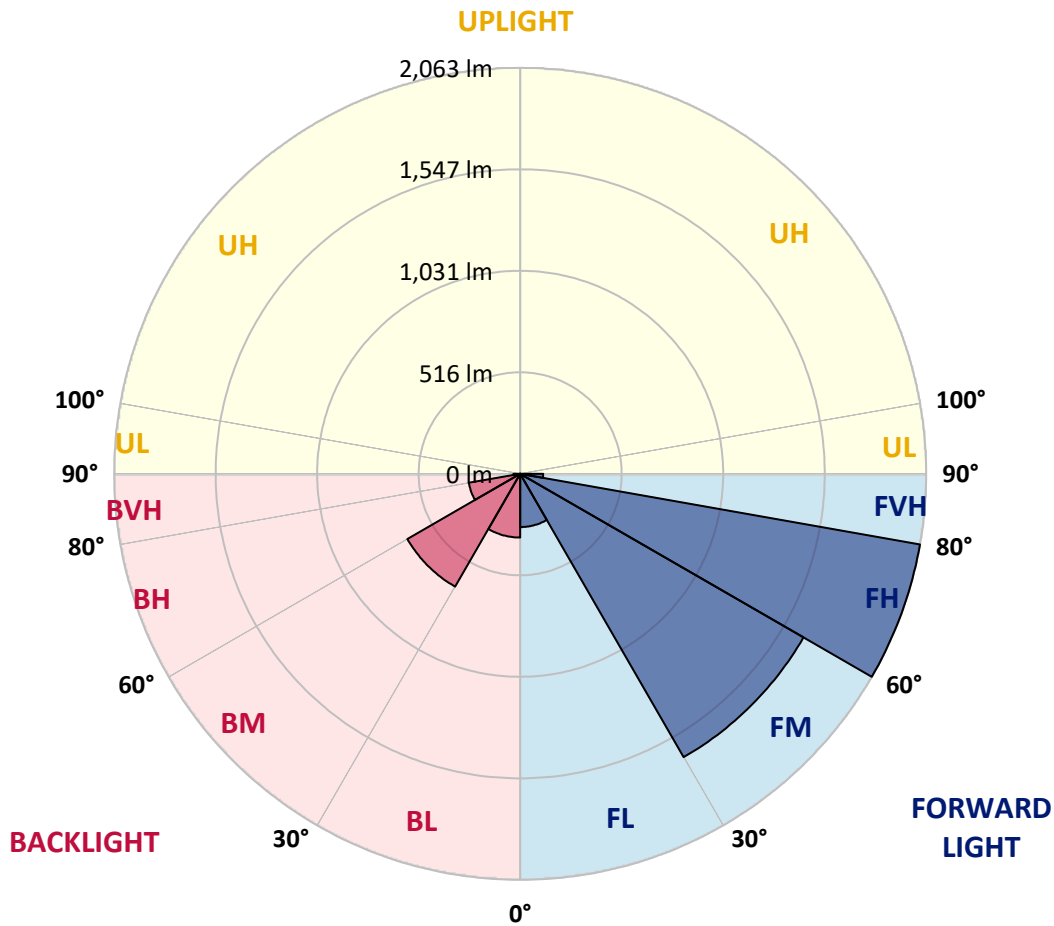
CATALOG NUMBER: GALN-SB2A-927-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.6	5.0			
FM (30°-60°)	1662.0	30.8			
FH (60°-80°)	2062.7	38.2			G2/5000
FVH (80°-90°)	117.4	2.2			G2/225
BL (0°-30°)	323.7	6.0	B1/500		
BM (30°-60°)	661.8	12.3	B1/1000		
BH (60°-80°)	264.8	4.9	B1/500		G1/500
BVH (80°-90°)	34.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



REPORT NUMBER: P939519

CATALOG NUMBER: GALN-SB2A-927-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	663.2	667.3	669.0	668.1	672.5	671.9	678.0	685.6	696.1	706.3
5°	612.1	616.5	620.3	623.8	632.2	634.9	644.5	659.1	678.3	697.9
7.5°	564.6	568.3	574.2	580.6	594.9	597.5	613.6	636.3	663.2	691.8
10°	525.8	529.5	535.7	543.0	560.8	564.0	584.4	614.7	649.7	685.9
12.5°	509.1	510.3	513.8	521.1	536.5	538.6	561.1	595.8	636.6	681.5
15°	508.2	510.6	510.9	514.7	527.5	528.4	549.1	583.5	628.4	680.7
17.5°	517.0	518.7	516.1	518.5	529.3	530.7	547.0	577.7	625.8	684.5
20°	540.3	541.8	533.9	530.7	538.6	539.8	555.8	581.5	628.4	692.3
22.5°	589.9	590.8	571.6	558.4	559.0	559.6	573.6	596.9	638.7	706.6
25°	667.3	666.7	636.0	610.7	596.1	592.9	602.2	622.0	655.9	725.6
27.5°	757.7	753.3	722.7	684.8	653.0	648.3	646.2	654.7	680.4	750.7
30°	859.8	855.7	822.8	773.2	729.1	721.5	702.3	697.9	716.9	784.8
32.5°	971.9	969.2	929.8	869.7	810.8	802.0	769.7	758.0	772.9	836.5
35°	1065.8	1063.5	1030.8	968.9	896.9	886.1	853.1	840.0	847.6	902.7
37.5°	1150.7	1149.5	1121.5	1072.8	998.4	985.3	948.2	943.8	942.4	989.9
40°	1229.5	1226.6	1197.4	1171.7	1116.6	1104.6	1071.9	1068.1	1057.0	1097.3
42.5°	1316.7	1309.1	1266.8	1254.9	1240.0	1230.1	1210.5	1211.1	1186.6	1218.4
45°	1387.9	1383.5	1340.1	1333.0	1349.1	1345.0	1361.9	1366.3	1318.8	1345.3
47.5°	1464.3	1460.3	1423.5	1418.5	1462.0	1463.2	1523.0	1524.4	1447.7	1477.2
50°	1558.6	1552.7	1516.3	1522.4	1571.1	1575.5	1684.9	1675.0	1566.5	1611.1
52.5°	1620.7	1624.2	1616.3	1626.3	1692.8	1696.9	1844.2	1818.8	1684.0	1743.3
55°	1666.5	1673.5	1698.0	1720.8	1821.2	1825.2	1994.5	1955.7	1781.5	1865.8
57.5°	1725.5	1715.5	1761.4	1805.7	1943.1	1953.9	2140.6	2087.5	1867.8	1971.4
60°	1810.1	1803.1	1838.7	1904.3	2079.7	2096.9	2295.3	2206.3	1931.2	2055.2
62.5°	1981.6	1964.1	1969.7	2027.7	2251.8	2274.6	2469.7	2309.9	1962.7	2087.8
65°	2238.1	2208.0	2180.0	2220.3	2494.3	2516.7	2666.7	2391.3	1951.0	2024.5
67.5°	2561.1	2531.3	2496.9	2534.8	2851.4	2869.2	2909.7	2437.1	1859.1	1780.6
70°	2827.4	2816.4	2857.5	3013.6	3421.8	3422.3	3221.3	2399.1	1607.3	1262.4
72.5°	2792.1	2785.4	3002.2	3484.8	4140.6	4125.2	3516.3	2112.0	1082.7	569.5
75°	2290.6	2334.1	2669.9	3476.3	4398.9	4396.8	3335.7	1342.7	447.9	236.0
77.5°	1228.3	1297.2	1733.3	2566.6	3434.0	3485.6	2345.2	469.7	192.3	151.1
80°	400.6	460.7	690.9	1306.8	2231.4	2221.7	1005.1	184.4	131.6	107.1
82.5°	170.1	177.1	308.7	617.1	1145.2	1127.4	320.1	105.9	92.5	73.2
85°	66.5	74.4	136.3	285.3	496.0	485.2	115.5	52.5	59.2	47.8
87.5°	21.9	26.6	48.7	97.7	154.3	148.8	28.3	18.1	25.7	21.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939519  
 CATALOG NUMBER: GALN-SB2A-927-U-T4FT

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
719.2	0°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
721.2	2.5°	725.3	730.0	735.5	743.7	750.7	756.5	762.7	766.5	767.9	772.3
722.4	5°	730.6	740.8	754.5	767.9	781.0	788.9	795.9	799.4	802.6	805.0
725.6	7.5°	739.3	752.4	774.0	791.5	802.6	809.0	813.7	812.5	813.7	814.3
729.1	10°	746.9	765.3	791.0	807.6	816.1	816.3	815.2	811.1	809.0	809.3
734.4	12.5°	755.9	776.4	804.1	818.1	820.4	814.0	809.0	802.0	799.4	798.3
742.2	15°	768.2	791.5	818.4	823.6	817.8	809.6	801.2	789.8	784.0	779.3
755.7	17.5°	783.1	808.8	829.5	825.7	813.1	799.7	786.0	768.8	756.8	751.9
774.0	20°	803.8	826.8	837.9	821.3	802.3	781.9	758.6	737.6	726.5	721.5
797.4	22.5°	828.9	851.1	846.1	813.7	786.9	754.2	725.0	709.6	704.0	700.5
827.4	25°	858.9	877.9	851.9	802.6	761.5	717.4	695.0	690.0	687.4	684.8
864.2	27.5°	898.0	908.2	856.3	786.3	721.8	678.3	670.2	671.0	670.2	665.8
915.2	30°	949.7	947.6	860.4	759.7	676.3	643.0	643.6	647.4	648.0	645.1
986.4	32.5°	1017.7	996.9	862.4	725.3	632.8	612.1	612.7	616.8	619.7	614.7
1079.5	35°	1099.9	1054.4	859.2	682.1	599.3	582.6	578.3	579.4	580.3	575.6
1192.4	37.5°	1195.9	1118.9	844.9	634.3	571.6	553.8	544.4	536.5	531.9	527.5
1320.2	40°	1301.2	1189.2	818.7	587.6	540.6	523.1	509.1	494.2	478.5	472.7
1455.6	42.5°	1411.5	1261.6	786.9	543.0	505.0	490.7	475.9	454.3	430.6	418.7
1596.2	45°	1525.9	1335.7	755.7	498.9	468.6	462.4	445.2	419.3	393.6	378.4
1737.1	47.5°	1637.9	1405.7	709.9	454.6	434.4	441.1	427.7	403.8	375.2	351.3
1876.9	50°	1745.0	1471.3	634.9	409.6	406.7	434.7	421.9	387.5	354.8	324.1
2014.0	52.5°	1851.2	1524.4	538.9	368.8	391.8	433.0	414.3	376.4	336.4	304.3
2143.0	55°	1941.4	1551.9	446.4	333.8	370.2	418.1	405.3	363.2	310.4	276.3
2231.4	57.5°	1992.7	1529.7	369.4	299.3	340.5	393.6	389.8	335.2	279.5	253.2
2248.6	60°	1970.5	1439.8	306.3	269.3	312.2	367.0	362.9	307.5	255.9	231.1
2156.4	62.5°	1848.3	1268.6	256.5	243.0	286.5	339.9	336.1	286.2	237.8	213.9
1911.6	65°	1602.1	1032.0	217.7	221.2	260.5	307.2	312.8	268.4	223.5	200.1
1478.9	67.5°	1221.9	747.5	187.3	202.2	235.2	275.1	291.2	255.6	211.5	189.4
855.7	70°	696.4	424.5	161.6	183.8	212.7	245.4	274.5	245.4	198.7	180.3
320.6	72.5°	264.0	194.9	139.8	165.4	191.1	220.3	256.2	229.3	183.8	170.1
165.7	75°	140.9	118.7	117.6	143.8	166.3	195.8	233.1	213.6	172.7	179.7
114.7	77.5°	96.0	84.0	98.3	123.1	139.2	168.6	208.6	189.6	149.7	149.1
79.4	80°	66.5	59.5	79.9	99.2	107.7	141.8	182.1	162.8	122.0	113.8
49.0	82.5°	40.0	38.8	59.8	74.1	76.1	109.4	150.8	136.5	99.8	86.9
29.2	85°	21.9	23.0	38.2	43.5	44.3	76.4	118.2	105.6	76.7	64.5
10.5	87.5°	6.1	7.9	14.0	17.2	21.3	39.7	70.3	62.7	38.5	26.8
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°  
719.2  
772.0  
805.5  
815.2  
809.9  
797.7  
780.7  
752.2  
720.9  
701.1  
684.8  
666.7  
646.5  
617.1  
578.9  
530.4  
475.3  
420.1  
377.2  
348.7  
321.5  
300.8  
273.4  
249.7  
227.6  
210.1  
196.4  
185.9  
178.0  
167.8  
*185.6*  
137.4  
108.8  
87.5  
65.1  
26.8  
0.0

F REPORT)