

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: P952593

Luminaire Tested: **GALN-SB6B-927-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952593
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-SB6B-927-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21171 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

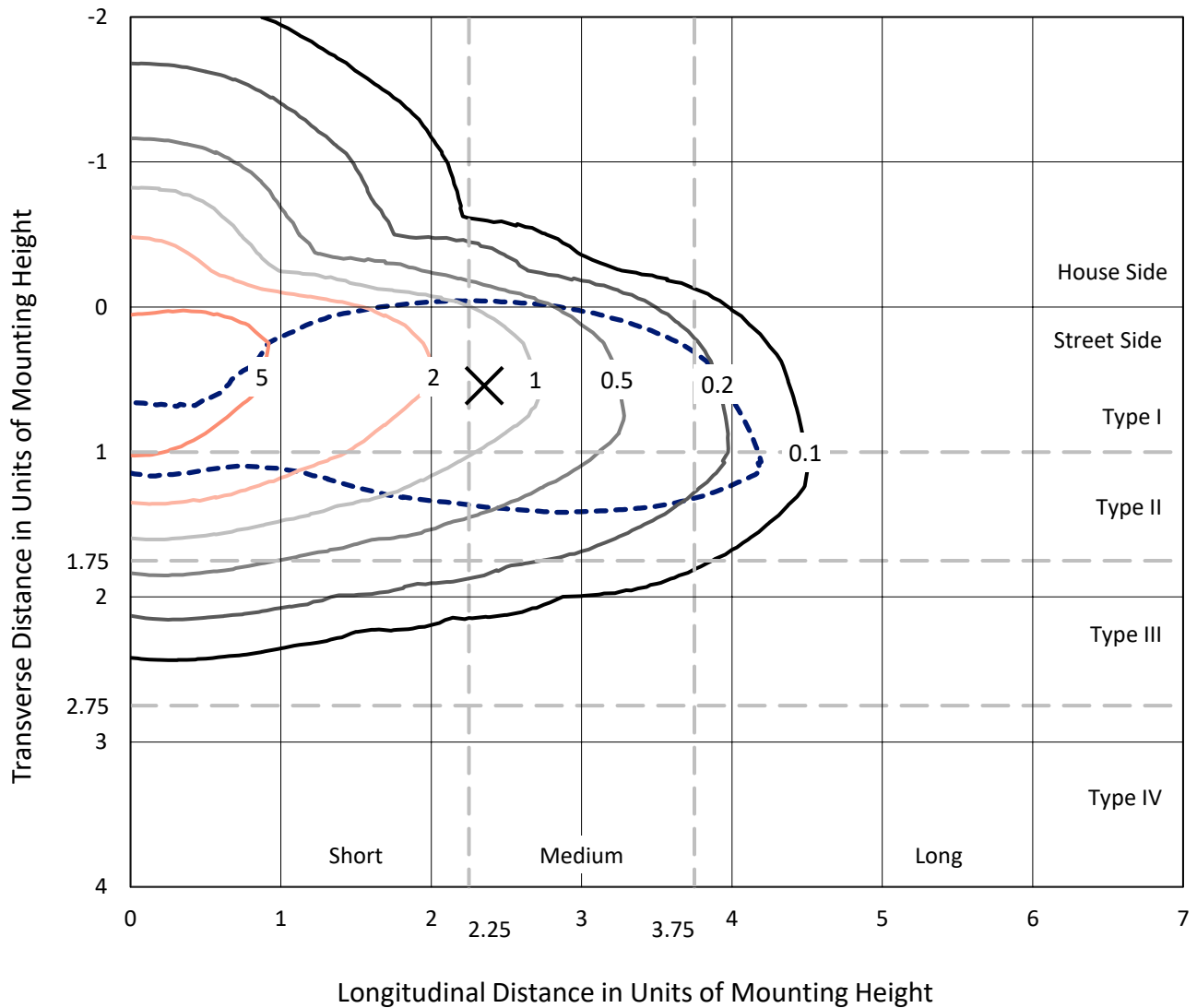
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952593
 CATALOG NUMBER: GALN-SB6B-927-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

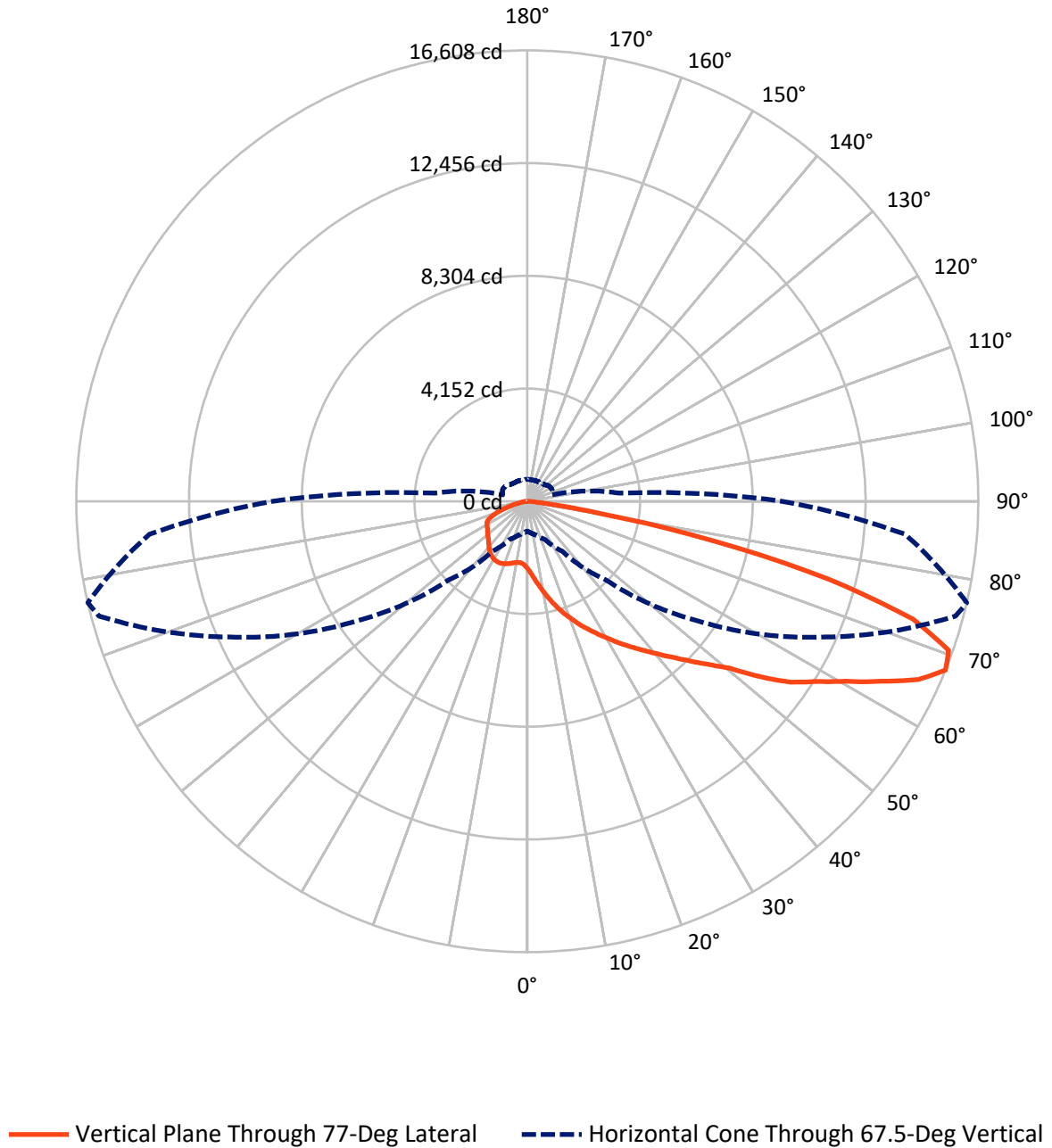
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P952593
CATALOG NUMBER: GALN-SB6B-927-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P952593
 CATALOG NUMBER: GALN-SB6B-927-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4004.7	0.0	4004.7
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	17166.3	0.0	17166.3
	% Fixture	81.1	0.0	81.1
Total	Lumens	21171.0	0.0	21171.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.3	1.3
10°-20°	956.5	4.5
20°-30°	1806.0	8.5
30°-40°	2909.5	13.7
40°-50°	3979.7	18.8
50°-60°	4489.1	21.2
60°-70°	4190.0	19.8
70°-80°	2296.8	10.8
80°-90°	277.0	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°	21171.0	100.0
0°-180°	21171.0	100.0



REPORT NUMBER: P952593

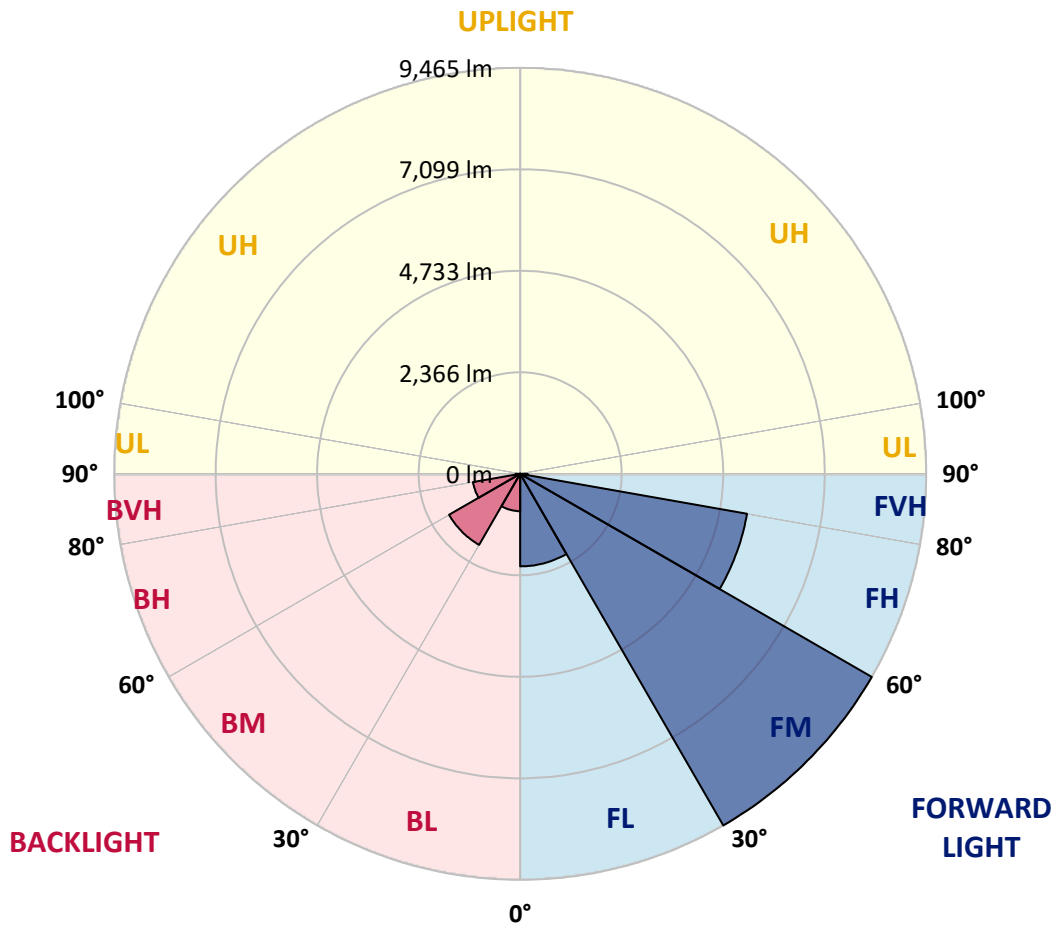
CATALOG NUMBER: GALN-SB6B-927-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2158.1	10.2			
FM (30°-60°)	9465.3	44.7			
FH (60°-80°)	5369.6	25.4			G3/7500
FVH (80°-90°)	173.3	0.8			G2/225
BL (0°-30°)	870.7	4.1	B2/1000		
BM (30°-60°)	1912.9	9.0	B2/2500		
BH (60°-80°)	1117.3	5.3	B3/2500		G3/2500
BVH (80°-90°)	103.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P952593
 CATALOG NUMBER: GALN-SB6B-927-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0
2.5°	3110.2	3132.1	3104.7	3104.7	3012.9	2964.9	2873.1	2803.1	2677.4	2655.6
5°	3676.3	3703.6	3665.4	3649.0	3540.8	3441.3	3287.3	3135.3	2911.3	2888.4
7.5°	4114.5	4149.5	4115.6	4098.1	4002.0	3890.5	3710.2	3498.2	3182.3	3137.5
10°	4471.9	4477.3	4466.4	4473.0	4397.6	4305.8	4121.1	3874.1	3479.6	3418.4
12.5°	4674.1	4699.2	4721.1	4760.4	4747.3	4690.5	4524.3	4229.3	3794.3	3715.6
15°	4769.1	4812.8	4862.0	4952.7	5026.0	5040.2	4913.4	4610.7	4114.5	4019.5
17.5°	4803.0	4844.5	4922.1	5053.3	5210.6	5316.6	5259.8	4981.1	4431.4	4322.2
20°	4974.6	4986.6	5033.6	5158.2	5328.7	5504.6	5547.2	5337.4	4745.1	4621.6
22.5°	5341.8	5317.7	5330.9	5387.7	5510.1	5680.6	5777.8	5652.1	5067.5	4925.4
25°	5948.3	5878.4	5808.4	5742.9	5805.1	5901.3	6011.7	5966.9	5405.2	5224.8
27.5°	6714.4	6629.1	6475.1	6259.8	6184.4	6218.2	6267.4	6258.7	5717.7	5535.2
30°	7468.4	7369.0	7185.4	6873.9	6675.0	6585.4	6548.3	6523.1	6057.6	5863.1
32.5°	8070.6	7991.9	7811.6	7463.0	7174.5	7021.5	6898.0	6808.4	6412.8	6218.2
35°	8597.3	8524.1	8317.6	7937.3	7623.6	7460.8	7299.1	7107.8	6782.1	6585.4
37.5°	9078.2	9005.0	8721.9	8326.3	8010.5	7897.9	7753.7	7429.1	7152.6	6966.8
40°	9382.0	9365.6	9101.1	8653.1	8325.2	8269.5	8221.4	7801.8	7563.5	7390.8
42.5°	9459.6	9495.7	9285.8	8917.5	8605.0	8560.2	8672.7	8223.6	8024.7	7859.7
45°	9272.7	9376.5	9238.8	8988.6	8803.9	8779.8	9072.7	8684.8	8535.0	8384.2
47.5°	8799.5	8975.5	8918.6	8883.7	8857.4	8961.3	9424.6	9174.4	9113.2	8982.0
50°	7844.4	8177.7	8277.1	8497.9	8751.4	9102.2	9744.8	9708.8	9788.5	9656.3
52.5°	6193.1	6652.1	7229.1	7782.1	8425.8	9055.2	10096.7	10475.9	10812.5	10740.4
55°	5112.3	5318.8	5762.5	6776.7	7794.1	8857.4	10255.2	11095.6	11828.9	11764.4
57.5°	4281.7	4466.4	4739.6	5586.6	6839.0	8408.3	10353.5	11473.7	12525.0	12518.4
60°	3391.1	3586.7	3866.5	4466.4	5723.2	7632.4	10331.7	11904.3	13413.5	13468.1
62.5°	2385.7	2600.9	2911.3	3470.8	4583.4	6627.0	9885.8	12215.7	14459.3	14607.9
65°	1568.2	1710.3	1944.2	2427.2	3415.1	5334.1	9034.5	12256.2	15578.4	15829.7
67.5°	1099.4	1154.0	1291.7	1554.0	2251.2	4090.5	7678.3	11837.6	16324.8	16607.8
70°	857.9	885.2	955.1	1060.1	1414.1	2750.7	5883.8	10749.1	16165.2	16460.3
72.5°	740.9	767.2	793.4	806.5	948.6	1698.3	3985.6	8987.5	14662.6	14862.6
75°	672.1	678.7	700.5	696.1	723.5	1101.6	2300.4	6548.3	11568.8	11499.9
77.5°	565.0	573.7	609.8	604.3	642.6	753.0	1194.5	4226.0	7500.1	7032.4
80°	478.7	483.0	522.4	515.8	558.4	545.3	609.8	2154.0	3181.2	2694.9
82.5°	166.1	205.5	398.9	410.9	426.2	330.0	351.9	878.6	971.5	744.2
85°	80.9	86.3	203.3	288.5	287.4	166.1	171.6	313.6	306.0	240.4
87.5°	13.1	16.4	24.0	112.6	89.6	43.7	59.0	61.2	63.4	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952593
 CATALOG NUMBER: GALN-SB6B-927-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2484.0	0°	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0	2484.0
2572.5	2.5°	2511.3	2456.7	2341.9	2235.9	2152.9	2073.1	2028.3	1990.1	1968.2	1963.8
2692.7	5°	2579.1	2466.5	2257.8	2081.9	1967.1	1881.9	1837.1	1808.6	1794.4	1785.7
2854.5	7.5°	2676.4	2511.3	2214.1	2014.1	1893.9	1832.7	1809.7	1805.4	1804.3	1805.4
3050.1	10°	2810.8	2584.6	2209.7	1997.7	1897.2	1863.3	1862.2	1863.3	1867.7	1868.7
3263.2	12.5°	2956.1	2660.0	2227.2	2011.9	1938.7	1920.1	1916.8	1915.7	1919.0	1921.2
3478.5	15°	3114.6	2759.4	2256.7	2042.5	1984.6	1964.9	1961.6	1955.1	1954.0	1952.9
3704.7	17.5°	3277.4	2857.8	2289.5	2075.3	2014.1	1986.8	1974.8	1959.5	1947.4	1944.2
3938.6	20°	3442.4	2955.0	2312.4	2091.7	2016.3	1978.0	1954.0	1927.8	1907.0	1895.0
4174.6	22.5°	3618.4	3056.7	2326.6	2087.3	1996.6	1944.2	1900.4	1869.8	1838.2	1817.4
4412.9	25°	3790.0	3145.2	2325.6	2064.4	1958.4	1891.7	1836.0	1796.6	1752.9	1731.1
4658.8	27.5°	3955.0	3225.0	2298.2	2023.9	1903.7	1829.4	1762.7	1715.8	1673.1	1652.4
4906.8	30°	4125.5	3291.6	2255.6	1964.9	1839.2	1757.3	1684.1	1643.6	1605.4	1585.7
5169.1	32.5°	4294.8	3352.8	2195.5	1891.7	1764.9	1686.2	1614.1	1577.0	1554.0	1554.0
5451.1	35°	4474.1	3395.4	2115.7	1806.5	1686.2	1610.8	1554.0	1532.2	1530.0	1516.9
5749.4	37.5°	4663.1	3422.8	2018.5	1719.0	1608.7	1537.6	1520.1	1493.9	1472.0	1443.6
6077.3	40°	4862.0	3450.1	1901.5	1628.3	1526.7	1487.3	1479.7	1444.7	1382.4	1312.5
6448.8	42.5°	5103.5	3468.7	1780.2	1537.6	1440.4	1427.2	1438.2	1378.1	1278.6	1226.2
6896.9	45°	5383.3	3499.3	1668.8	1448.0	1351.8	1351.8	1397.7	1319.1	1237.1	1204.3
7408.3	47.5°	5746.1	3570.3	1564.9	1349.7	1269.9	1291.7	1308.1	1248.0	1202.1	1161.7
8031.3	50°	6270.7	3740.8	1457.8	1250.2	1207.6	1251.3	1228.3	1193.4	1139.8	1107.0
9021.4	52.5°	6922.0	3841.3	1362.8	1160.6	1154.0	1197.7	1165.0	1132.2	1091.7	1048.0
9772.1	55°	7365.7	3859.9	1283.0	1095.0	1118.0	1113.6	1101.6	1072.1	1050.2	992.3
10513.1	57.5°	7861.9	3897.1	1217.4	1055.7	1095.0	1046.9	1042.6	1017.4	989.0	949.7
11416.9	60°	8455.3	3955.0	1160.6	1040.4	1075.4	1003.2	981.4	971.5	943.1	923.4
12504.2	62.5°	9102.2	4007.4	1102.7	1042.6	1052.4	960.6	927.8	924.5	907.1	900.5
13524.9	65°	9543.7	3864.3	1030.5	1040.4	1016.3	916.9	875.4	874.3	860.1	857.9
13967.5	67.5°	9389.6	3410.7	933.3	1009.8	979.2	873.2	827.3	822.9	804.3	805.4
13505.3	70°	8618.1	2763.8	798.9	934.4	933.3	833.8	777.0	762.8	737.7	742.0
11742.5	72.5°	7171.2	2048.0	618.5	808.7	860.1	797.8	719.1	696.1	664.4	668.8
8668.4	75°	5178.9	1392.3	450.2	615.3	748.6	755.1	662.3	622.9	584.7	591.2
4824.9	77.5°	2650.1	789.0	331.1	424.0	587.9	686.3	610.9	558.4	549.7	610.9
1391.2	80°	864.4	395.6	229.5	297.3	385.8	561.7	535.5	475.4	473.2	487.4
291.8	82.5°	257.9	167.2	147.5	195.6	213.1	430.6	462.3	359.5	309.3	325.7
97.3	85°	88.5	80.9	84.1	97.3	101.6	252.4	323.5	238.2	225.1	248.1
21.9	87.5°	20.8	28.4	24.0	21.9	21.9	61.2	125.7	99.4	137.7	91.8
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

<u>180°</u>
2484.0
1963.8
1784.6
1808.6
1869.8
1922.3
1951.8
1947.4
1899.3
1818.5
1731.1
1651.3
1584.6
1555.1
1513.6
1439.3
1302.7
1227.3
1209.8
1160.6
1103.8
1039.3
993.4
936.6
928.9
900.5
856.8
805.4
746.4
667.7
593.4
602.2
418.6
336.6
244.8
88.5
0.0

F REPORT)