

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: P951522

Luminaire Tested: **GALN-SB5C-927-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951522
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-SB5C-927-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23455 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

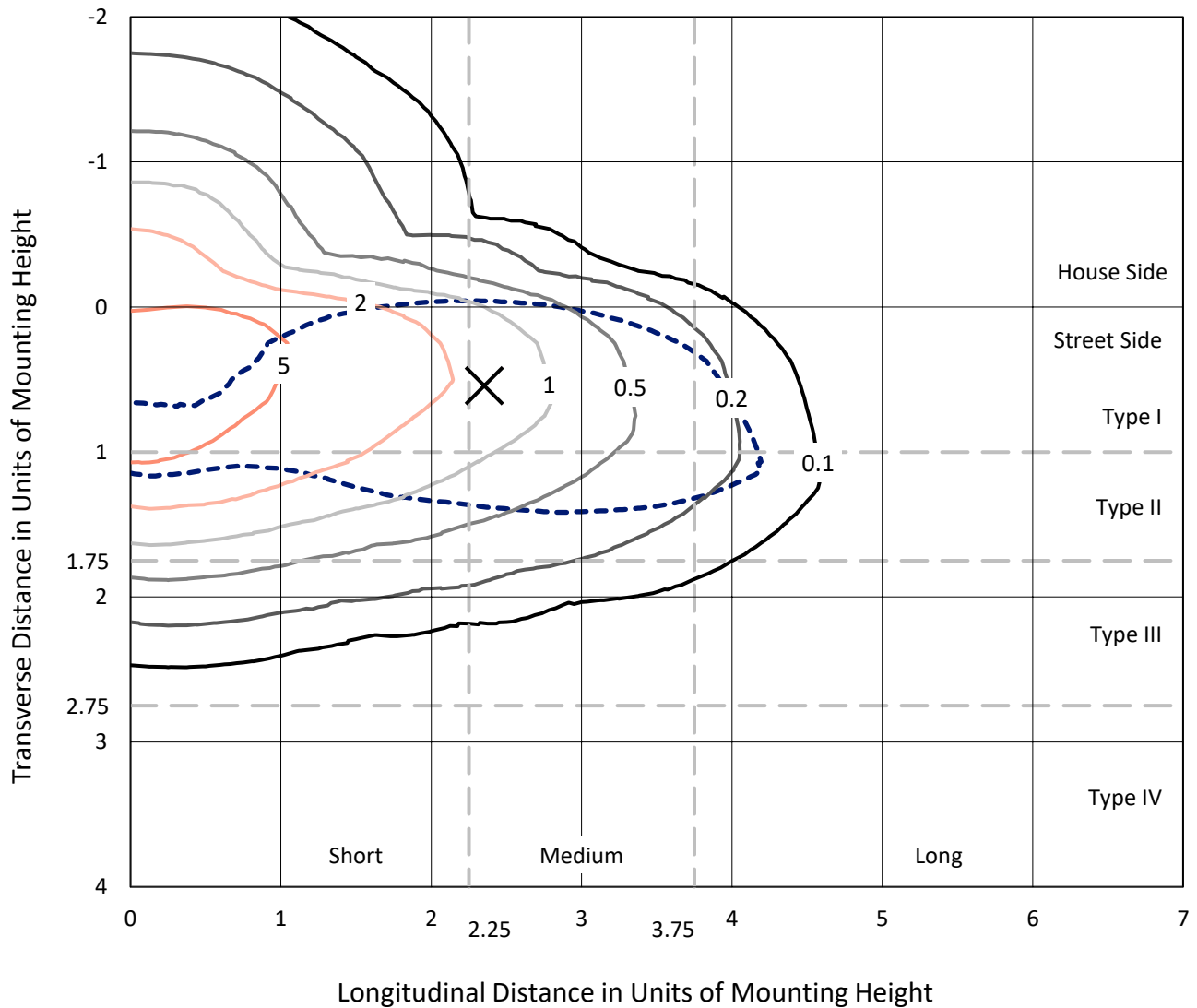
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951522
 CATALOG NUMBER: GALN-SB5C-927-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

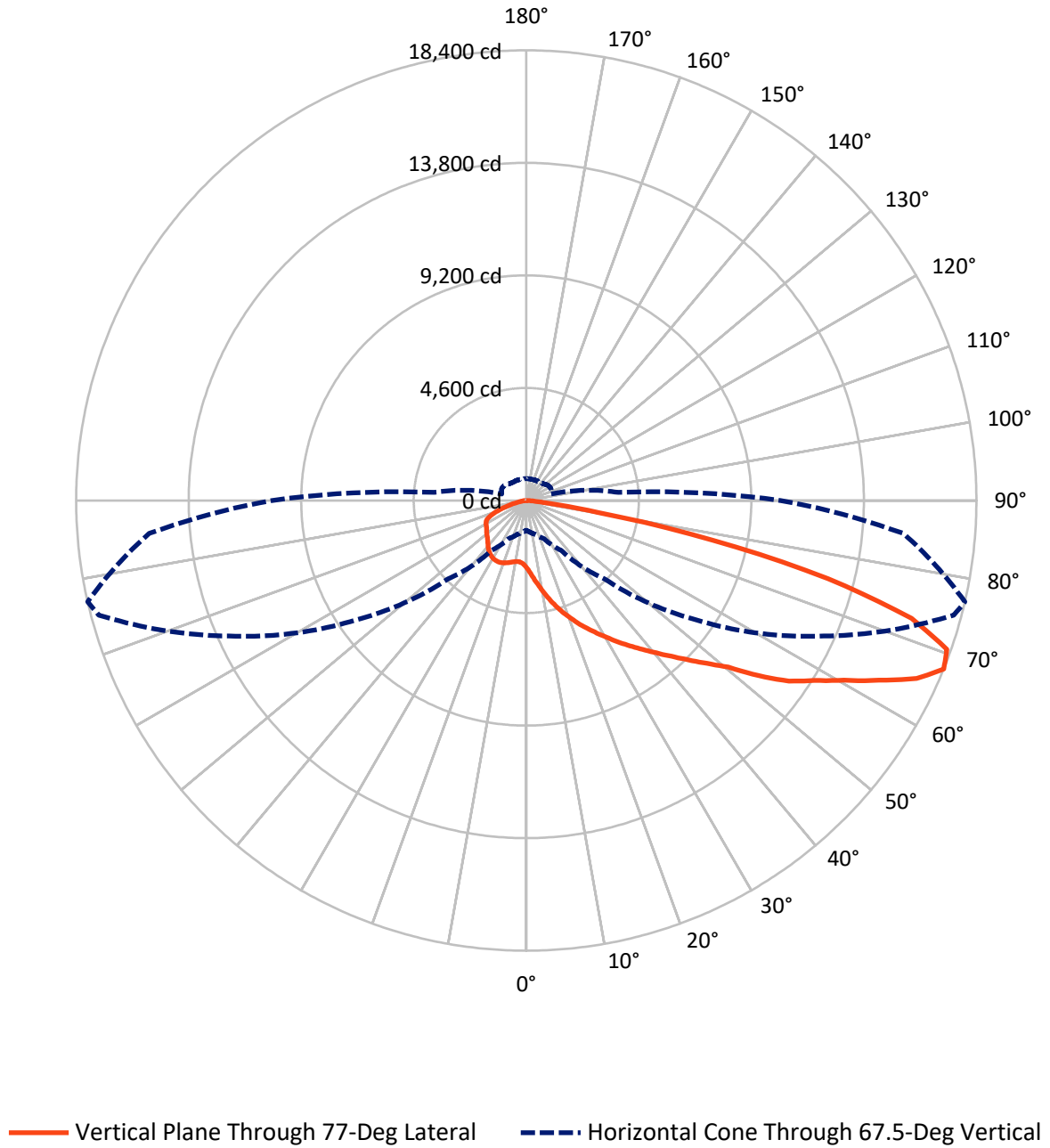
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P951522
CATALOG NUMBER: GALN-SB5C-927-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P951522
 CATALOG NUMBER: GALN-SB5C-927-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4436.7	0.0	4436.7
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	19018.3	0.0	19018.3
	% Fixture	81.1	0.0	81.1
Total	Lumens	23455.0	0.0	23455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.0	1.3
10°-20°	1059.7	4.5
20°-30°	2000.9	8.5
30°-40°	3223.4	13.7
40°-50°	4409.0	18.8
50°-60°	4973.4	21.2
60°-70°	4642.0	19.8
70°-80°	2544.6	10.8
80°-90°	306.9	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°	23455.0	100.0
0°-180°	23455.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951522

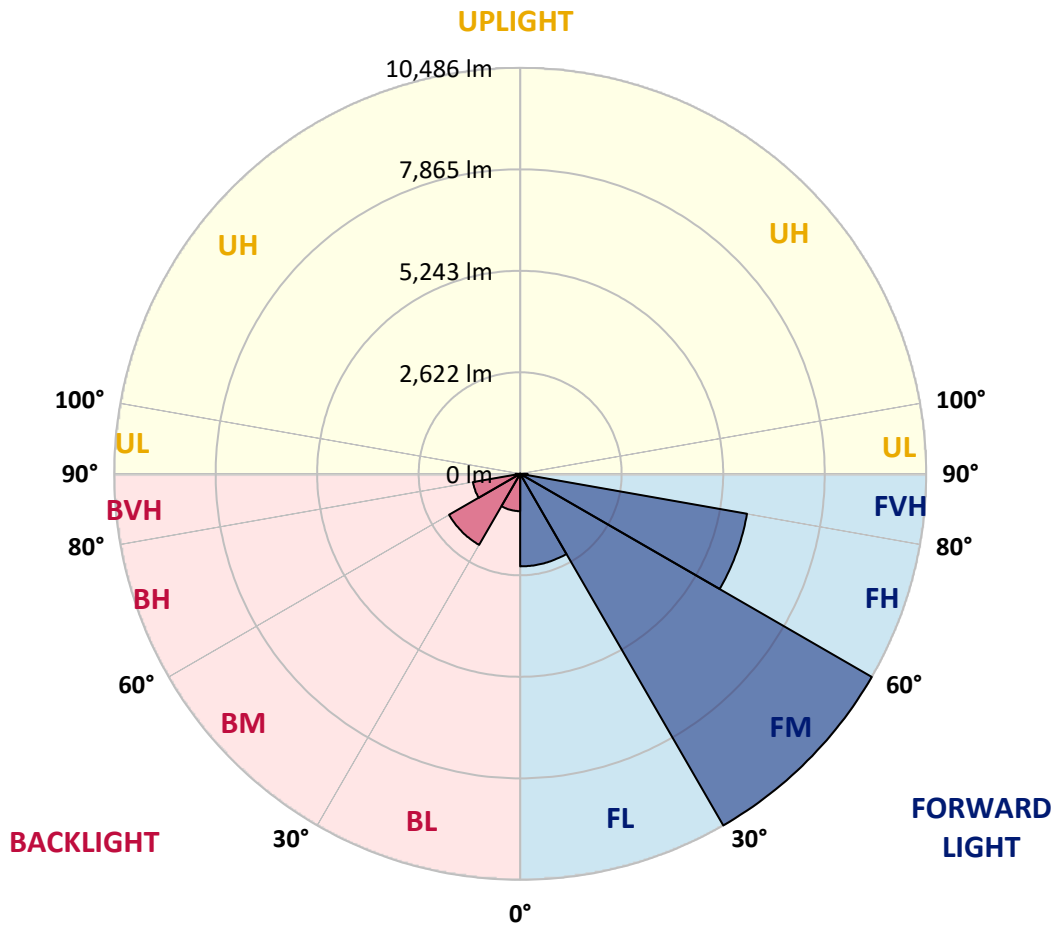
CATALOG NUMBER: GALN-SB5C-927-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2390.9	10.2			
FM (30°-60°)	10486.5	44.7			
FH (60°-80°)	5948.9	25.4			G3/7500
FVH (80°-90°)	192.0	0.8			G2/225
BL (0°-30°)	964.7	4.1	B2/1000		
BM (30°-60°)	2119.3	9.0	B2/2500		
BH (60°-80°)	1237.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	115.0	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: P951522
 CATALOG NUMBER: GALN-SB5C-927-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0
2.5°	3445.8	3470.0	3439.7	3439.7	3338.0	3284.7	3183.0	3105.5	2966.3	2942.1
5°	4072.9	4103.2	4060.8	4042.6	3922.8	3812.6	3641.9	3473.6	3225.4	3200.0
7.5°	4558.4	4597.2	4559.6	4540.3	4433.7	4310.2	4110.4	3875.6	3525.7	3476.0
10°	4954.3	4960.4	4948.3	4955.5	4872.0	4770.3	4565.7	4292.1	3855.0	3787.2
12.5°	5178.3	5206.2	5230.4	5274.0	5259.4	5196.5	5012.4	4685.5	4203.7	4116.5
15°	5283.6	5332.1	5386.6	5487.1	5568.2	5583.9	5443.5	5108.1	4558.4	4453.1
17.5°	5321.2	5367.2	5453.1	5598.4	5772.8	5890.2	5827.3	5518.5	4909.5	4788.5
20°	5511.3	5524.6	5576.6	5714.7	5903.5	6098.5	6145.7	5913.2	5257.0	5120.2
22.5°	5918.1	5891.4	5906.0	5968.9	6104.5	6293.4	6401.2	6261.9	5614.2	5456.8
25°	6590.0	6512.5	6435.1	6362.4	6431.4	6538.0	6660.3	6610.6	5988.3	5788.5
27.5°	7438.8	7344.3	7173.6	6935.1	6851.5	6889.1	6943.6	6933.9	6334.6	6132.4
30°	8274.2	8164.0	7960.6	7615.5	7395.2	7295.9	7254.7	7226.9	6711.1	6495.6
32.5°	8941.3	8854.1	8654.3	8268.1	7948.5	7779.0	7642.2	7542.9	7104.6	6889.1
35°	9524.9	9443.7	9214.9	8793.6	8446.1	8265.7	8086.5	7874.6	7513.8	7295.9
37.5°	10057.6	9976.5	9662.9	9224.6	8874.7	8750.0	8590.2	8230.6	7924.3	7718.4
40°	10394.2	10376.0	10083.0	9586.6	9223.4	9161.6	9108.4	8643.4	8379.5	8188.2
42.5°	10480.1	10520.1	10287.6	9879.6	9533.3	9483.7	9608.4	9110.8	8890.4	8707.6
45°	10273.1	10388.1	10235.6	9958.3	9753.7	9727.0	10051.5	9621.7	9455.8	9288.8
47.5°	9748.8	9943.8	9880.8	9842.1	9813.0	9928.0	10441.4	10164.1	10096.3	9951.0
50°	8690.7	9059.9	9170.1	9414.7	9695.6	10084.2	10796.1	10756.2	10844.6	10698.1
52.5°	6861.2	7369.7	8009.0	8621.6	9334.8	10032.1	11186.0	11606.1	11979.0	11899.1
55°	5663.8	5892.6	6384.2	7507.8	8635.0	9813.0	11361.5	12292.6	13105.0	13033.6
57.5°	4743.7	4948.3	5251.0	6189.3	7576.8	9315.4	11470.5	12711.5	13876.2	13869.0
60°	3756.9	3973.6	4283.6	4948.3	6340.6	8455.8	11446.3	13188.5	14860.6	14921.1
62.5°	2643.0	2881.5	3225.4	3845.3	5077.8	7341.9	10952.3	13533.6	16019.2	16183.9
65°	1737.4	1894.8	2153.9	2689.0	3783.5	5909.6	10009.1	13578.4	17259.0	17537.5
67.5°	1218.0	1278.5	1431.1	1721.7	2494.1	4531.8	8506.6	13114.7	18086.0	18399.5
70°	950.4	980.7	1058.2	1174.4	1566.7	3047.4	6518.6	11908.8	17909.2	18236.1
72.5°	820.9	849.9	879.0	893.5	1050.9	1881.5	4415.5	9957.1	16244.4	16466.0
75°	744.6	751.9	776.1	771.2	801.5	1220.4	2548.6	7254.7	12816.8	12740.6
77.5°	625.9	635.6	675.6	669.5	711.9	834.2	1323.3	4681.9	8309.3	7791.1
80°	530.3	535.1	578.7	571.5	618.7	604.2	675.6	2386.4	3524.4	2985.7
82.5°	184.0	227.6	441.9	455.2	472.2	365.6	389.9	973.4	1076.3	824.5
85°	89.6	95.6	225.2	319.6	318.4	184.0	190.1	347.5	339.0	266.4
87.5°	14.5	18.2	26.6	124.7	99.3	48.4	65.4	67.8	70.2	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951522
 CATALOG NUMBER: GALN-SB5C-927-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2752.0	0°	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0
2850.1	2.5°	2782.3	2721.7	2594.6	2477.2	2385.1	2296.8	2247.1	2204.7	2180.5	2175.7
2983.3	5°	2857.3	2732.6	2501.4	2306.4	2179.3	2084.9	2035.2	2003.8	1988.0	1978.3
3162.4	7.5°	2965.1	2782.3	2452.9	2231.4	2098.2	2030.4	2005.0	2000.1	1998.9	2000.1
3379.2	10°	3114.0	2863.4	2448.1	2213.2	2101.8	2064.3	2063.1	2064.3	2069.1	2070.4
3615.3	12.5°	3275.0	2946.9	2467.5	2229.0	2147.8	2127.3	2123.6	2122.4	2126.1	2128.5
3853.8	15°	3450.6	3057.1	2500.2	2262.9	2198.7	2176.9	2173.3	2166.0	2164.8	2163.6
4104.4	17.5°	3631.0	3166.1	2536.5	2299.2	2231.4	2201.1	2187.8	2170.8	2157.5	2153.9
4363.5	20°	3813.8	3273.8	2561.9	2317.3	2233.8	2191.4	2164.8	2135.7	2112.7	2099.4
4625.0	22.5°	4008.7	3386.4	2577.7	2312.5	2212.0	2153.9	2105.5	2071.6	2036.5	2013.5
4888.9	25°	4198.8	3484.5	2576.4	2287.1	2169.6	2095.8	2034.0	1990.4	1942.0	1917.8
5161.4	27.5°	4381.6	3572.9	2546.2	2242.3	2109.1	2026.8	1952.9	1900.9	1853.6	1830.6
5436.2	30°	4570.5	3646.7	2499.0	2176.9	2037.7	1946.9	1865.7	1820.9	1778.6	1756.8
5726.8	32.5°	4758.2	3714.5	2432.4	2095.8	1955.3	1868.2	1788.3	1747.1	1721.7	1721.7
6039.1	35°	4956.7	3761.8	2344.0	2001.3	1868.2	1784.6	1721.7	1697.5	1695.0	1680.5
6369.7	37.5°	5166.2	3792.0	2236.2	1904.5	1782.2	1703.5	1684.1	1655.1	1630.9	1599.4
6732.9	40°	5386.6	3822.3	2106.7	1804.0	1691.4	1647.8	1639.3	1600.6	1531.6	1454.1
7144.5	42.5°	5654.1	3842.9	1972.3	1703.5	1595.7	1581.2	1593.3	1526.7	1416.6	1358.4
7640.9	45°	5964.1	3876.8	1848.8	1604.2	1497.7	1497.7	1548.5	1461.4	1370.6	1334.2
8207.6	47.5°	6366.0	3955.5	1733.8	1495.3	1406.9	1431.1	1449.2	1382.7	1331.8	1287.0
8897.7	50°	6947.2	4144.3	1615.1	1385.1	1337.9	1386.3	1360.9	1322.1	1262.8	1226.5
9994.6	52.5°	7668.8	4255.7	1509.8	1285.8	1278.5	1327.0	1290.6	1254.3	1209.5	1161.1
10826.4	55°	8160.4	4276.3	1421.4	1213.2	1238.6	1233.7	1220.4	1187.7	1163.5	1099.3
11647.3	57.5°	8710.0	4317.5	1348.8	1169.6	1213.2	1159.9	1155.0	1127.2	1095.7	1052.1
12648.5	60°	9367.5	4381.6	1285.8	1152.6	1191.4	1111.5	1087.2	1076.3	1044.9	1023.1
13853.2	62.5°	10084.2	4439.8	1221.6	1155.0	1165.9	1064.2	1027.9	1024.3	1004.9	997.6
14984.1	65°	10573.3	4281.2	1141.7	1152.6	1126.0	1015.8	969.8	968.6	952.8	950.4
15474.4	67.5°	10402.6	3778.7	1034.0	1118.7	1084.8	967.4	916.5	911.7	891.1	892.3
14962.3	70°	9547.9	3061.9	885.0	1035.2	1034.0	923.8	860.8	845.1	817.2	822.1
13009.3	72.5°	7944.8	2268.9	685.3	895.9	952.8	883.8	796.7	771.2	736.1	741.0
9603.5	75°	5737.7	1542.5	498.8	681.6	829.4	836.6	733.7	690.1	647.7	655.0
5345.4	77.5°	2936.0	874.2	366.9	469.8	651.4	760.3	676.8	618.7	609.0	676.8
1541.3	80°	957.7	438.3	254.3	329.3	427.4	622.3	593.3	526.7	524.2	540.0
323.3	82.5°	285.7	185.2	163.4	216.7	236.1	477.0	512.1	398.3	342.6	360.8
107.8	85°	98.1	89.6	93.2	107.8	112.6	279.7	358.4	263.9	249.4	274.8
24.2	87.5°	23.0	31.5	26.6	24.2	24.2	67.8	139.2	110.2	152.6	101.7
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>
2752.0
2175.7
1977.1
2003.8
2071.6
2129.7
2162.4
2157.5
2104.3
2014.7
1917.8
1829.4
1755.6
1722.9
1676.9
1594.5
1443.2
1359.7
1340.3
1285.8
1222.8
1151.4
1100.6
1037.6
1029.1
997.6
949.2
892.3
826.9
739.8
657.4
667.1
463.7
372.9
271.2
98.1
0.0

F REPORT)