

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: P953664

Luminaire Tested: **GALN-SB7A-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953664  
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-SB7A-927-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

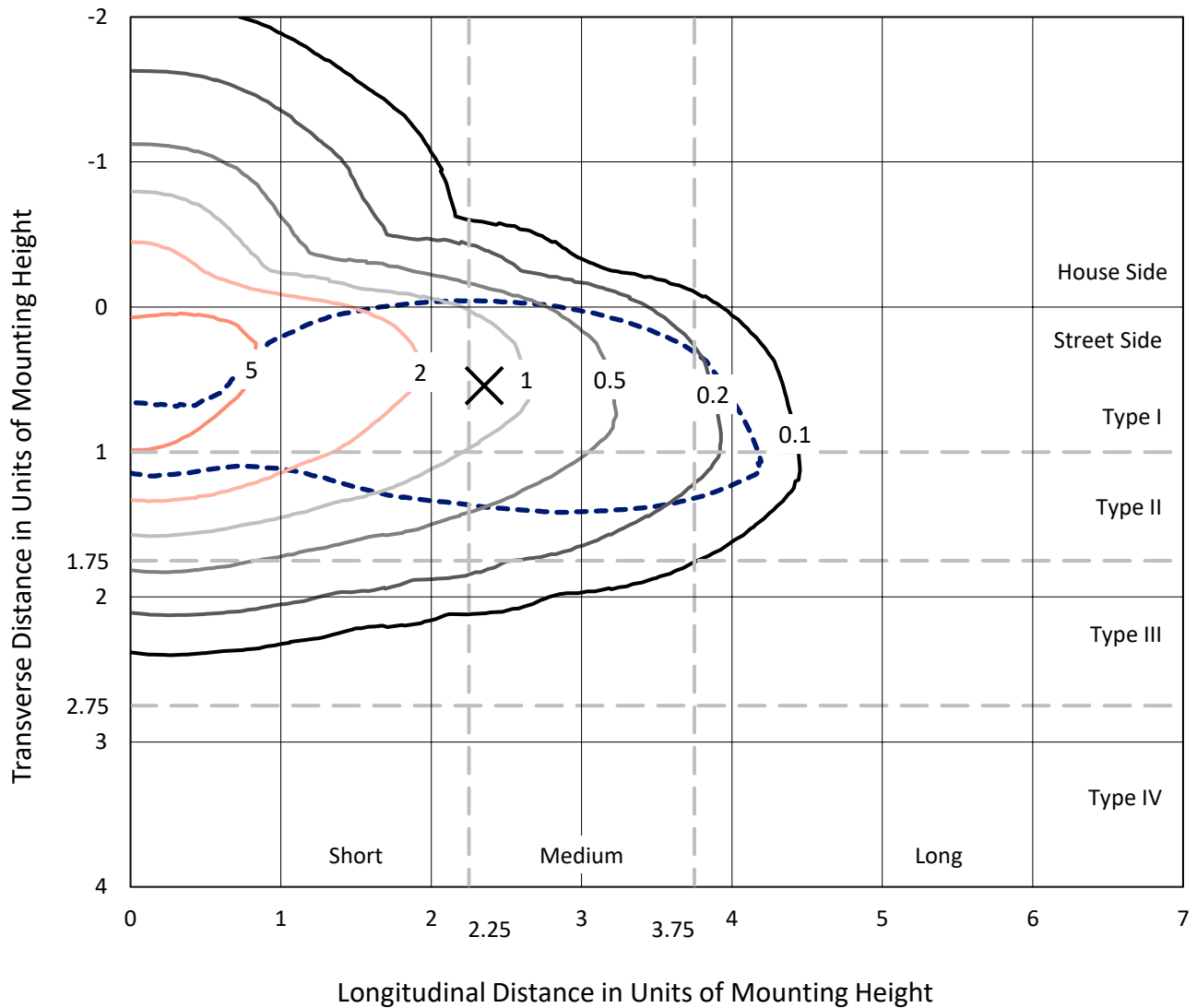
Lumens per Lamp: N/A  
Luminaire Lumens: 19778 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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: P953664  
 CATALOG NUMBER: GALN-SB7A-927-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

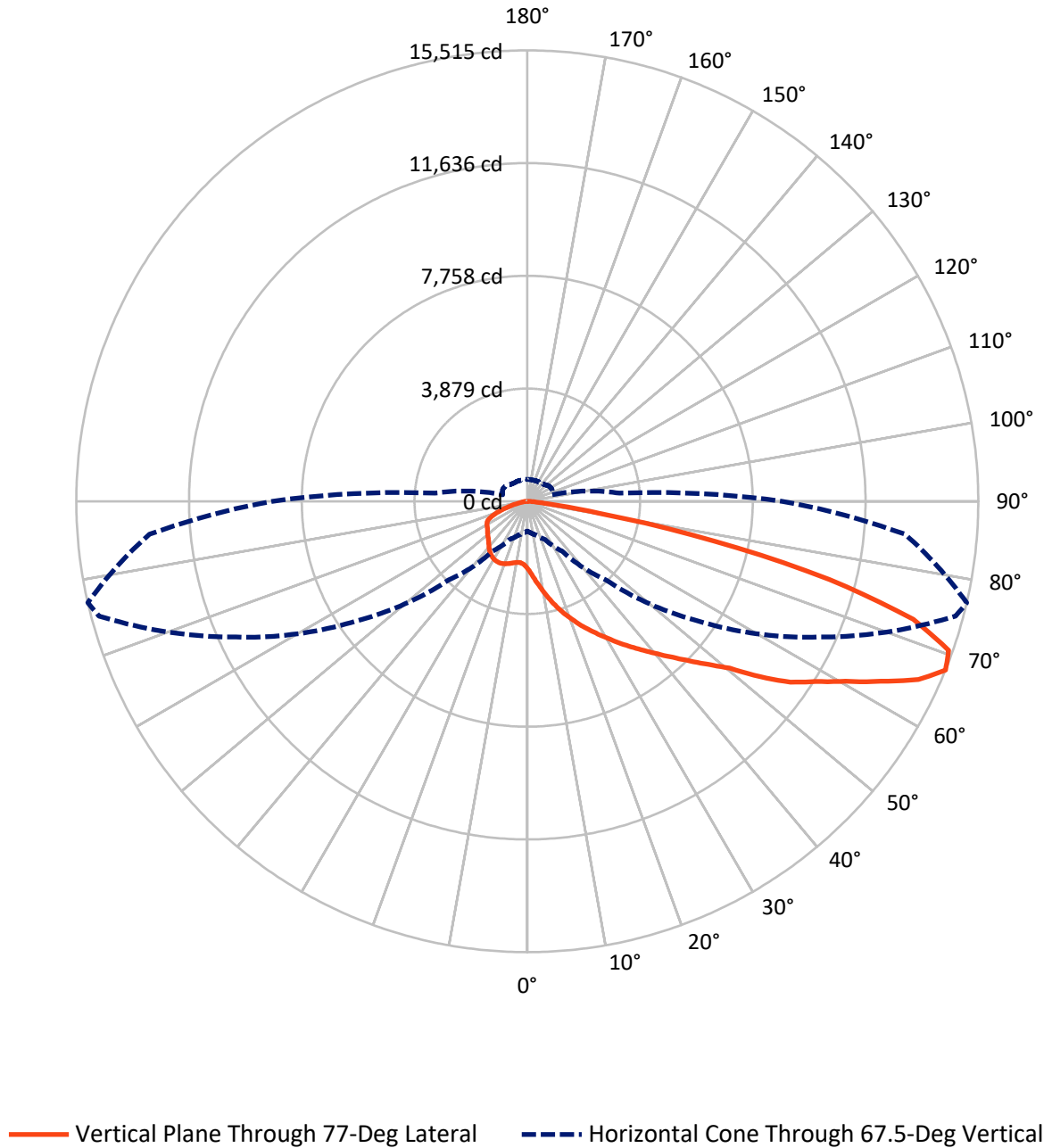
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P953664  
CATALOG NUMBER: GALN-SB7A-927-U-T2R

### Luminous Intensity Polar Plot



REPORT NUMBER: P953664  
 CATALOG NUMBER: GALN-SB7A-927-U-T2R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3741.2	0.0	3741.2
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	16036.8	0.0	16036.8
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	19778.0	0.0	19778.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.7	1.3
10°-20°	893.6	4.5
20°-30°	1687.2	8.5
30°-40°	2718.1	13.7
40°-50°	3717.8	18.8
50°-60°	4193.7	21.2
60°-70°	3914.3	19.8
70°-80°	2145.7	10.8
80°-90°	258.8	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°	19778.0	100.0
0°-180°	19778.0	100.0



REPORT NUMBER: P953664

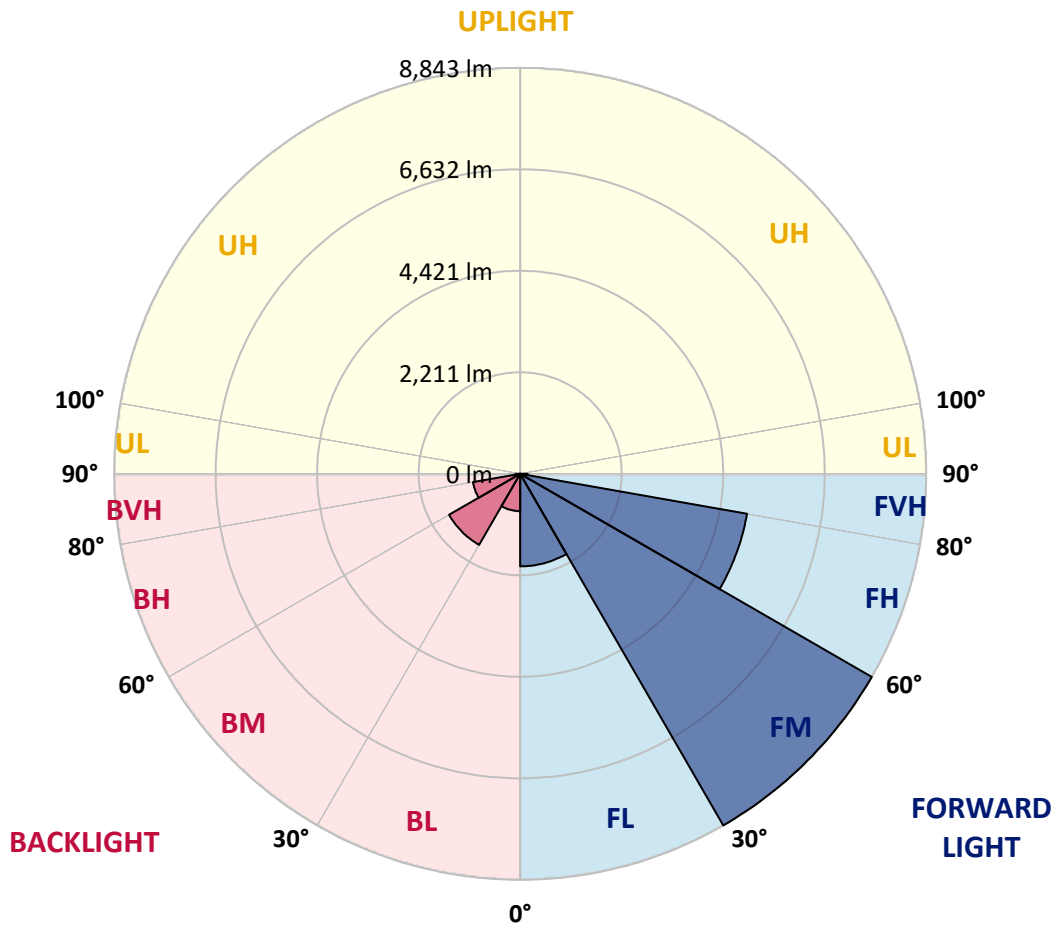
CATALOG NUMBER: GALN-SB7A-927-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2016.1	10.2			
FM (30°-60°)	8842.5	44.7			
FH (60°-80°)	5016.3	25.4			G3/7500
FVH (80°-90°)	161.9	0.8			G2/225
BL (0°-30°)	813.4	4.1	B2/1000		
BM (30°-60°)	1787.1	9.0	B2/2500		
BH (60°-80°)	1043.7	5.3	B3/2500		G3/2500
BVH (80°-90°)	97.0	0.5			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 II Medium



REPORT NUMBER: P953664  
 CATALOG NUMBER: GALN-SB7A-927-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6
2.5°	2905.6	2926.0	2900.5	2900.5	2814.7	2769.8	2684.0	2618.7	2501.3	2480.9
5°	3434.4	3459.9	3424.2	3408.9	3307.8	3214.9	3071.0	2929.0	2719.8	2698.3
7.5°	3843.8	3876.5	3844.8	3828.5	3738.6	3634.5	3466.1	3268.0	2972.9	2931.1
10°	4177.6	4182.8	4172.5	4178.7	4108.2	4022.5	3849.9	3619.2	3250.6	3193.5
12.5°	4366.5	4390.0	4410.4	4447.2	4434.9	4381.8	4226.7	3951.0	3544.7	3471.2
15°	4455.3	4496.2	4542.1	4626.9	4695.3	4708.5	4590.1	4307.3	3843.8	3755.0
17.5°	4487.0	4525.8	4598.3	4720.8	4867.8	4966.8	4913.7	4653.4	4139.9	4037.8
20°	4647.3	4658.5	4702.4	4818.8	4978.1	5142.4	5182.2	4986.2	4432.9	4317.5
22.5°	4990.3	4967.8	4980.1	5033.2	5147.5	5306.8	5397.7	5280.2	4734.1	4601.3
25°	5556.9	5491.6	5426.2	5365.0	5423.2	5513.0	5616.1	5574.3	5049.5	4881.1
27.5°	6272.6	6193.0	6049.0	5847.9	5777.4	5809.1	5855.0	5846.9	5341.5	5171.0
30°	6977.0	6884.1	6712.6	6421.6	6235.8	6152.1	6117.4	6093.9	5659.0	5477.3
32.5°	7539.6	7466.1	7297.6	6971.9	6702.4	6559.5	6444.1	6360.4	5990.8	5809.1
35°	8031.7	7963.3	7770.3	7415.0	7122.0	6969.9	6818.8	6640.1	6335.9	6152.1
37.5°	8480.9	8412.5	8148.0	7778.5	7483.4	7378.3	7243.5	6940.3	6682.0	6508.4
40°	8764.7	8749.4	8502.3	8083.7	7777.4	7725.4	7680.5	7288.4	7065.9	6904.5
42.5°	8837.2	8870.9	8674.8	8330.8	8038.8	7996.9	8102.1	7682.5	7496.7	7342.5
45°	8662.6	8759.6	8630.9	8397.1	8224.6	8202.2	8475.8	8113.3	7973.5	7832.6
47.5°	8220.5	8384.9	8331.8	8299.1	8274.6	8371.6	8804.5	8570.7	8513.5	8391.0
50°	7328.2	7639.6	7732.5	7938.8	8175.6	8503.3	9103.6	9069.9	9144.5	9020.9
52.5°	5785.6	6214.4	6753.5	7270.0	7871.4	8459.4	9432.4	9786.6	10101.1	10033.7
55°	4775.9	4968.9	5383.4	6330.8	7281.3	8274.6	9580.4	10365.5	11050.5	10990.3
57.5°	4000.0	4172.5	4427.8	5219.0	6389.0	7855.0	9672.3	10718.7	11700.9	11694.8
60°	3167.9	3350.7	3612.1	4172.5	5346.6	7130.2	9651.9	11121.0	12530.9	12581.9
62.5°	2228.7	2429.8	2719.8	3242.5	4281.8	6190.9	9235.3	11412.0	13507.9	13646.8
65°	1465.0	1597.8	1816.2	2267.5	3190.4	4983.2	8440.0	11449.7	14553.4	14788.2
67.5°	1027.1	1078.1	1206.7	1451.8	2103.1	3821.3	7173.1	11058.7	15250.7	15515.1
70°	801.4	827.0	892.3	990.3	1321.1	2569.7	5496.7	10041.9	15101.6	15377.2
72.5°	692.2	716.7	741.2	753.4	886.2	1586.5	3723.3	8396.1	13697.8	13884.6
75°	627.9	634.0	654.4	650.3	675.9	1029.1	2149.1	6117.4	10807.6	10743.2
77.5°	527.8	536.0	569.7	564.6	600.3	703.4	1115.9	3947.9	7006.6	6569.7
80°	447.2	451.3	488.0	481.9	521.7	509.4	569.7	2012.3	2971.9	2517.6
82.5°	155.2	191.9	372.6	383.9	398.2	308.3	328.7	820.8	907.6	695.3
85°	75.5	80.7	189.9	269.5	268.5	155.2	160.3	293.0	285.9	224.6
87.5°	12.3	15.3	22.5	105.2	83.7	40.8	55.1	57.2	59.2	51.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953664  
 CATALOG NUMBER: GALN-SB7A-927-U-T2R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2320.6	0°	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6
2403.3	2.5°	2346.1	2295.1	2187.9	2088.8	2011.2	1936.7	1894.8	1859.1	1838.7	1834.6
2515.6	5°	2409.4	2304.2	2109.2	1944.9	1837.7	1758.0	1716.2	1689.6	1676.4	1668.2
2666.7	7.5°	2500.3	2346.1	2068.4	1881.6	1769.3	1712.1	1690.7	1686.6	1685.6	1686.6
2849.4	10°	2625.8	2414.5	2064.3	1866.3	1772.3	1740.7	1739.7	1740.7	1744.8	1745.8
3048.5	12.5°	2761.6	2484.9	2080.7	1879.5	1811.1	1793.8	1790.7	1789.7	1792.8	1794.8
3249.6	15°	2909.7	2577.8	2108.2	1908.1	1854.0	1835.6	1832.6	1826.4	1825.4	1824.4
3461.0	17.5°	3061.8	2669.7	2138.8	1938.7	1881.6	1856.1	1844.8	1830.5	1819.3	1816.2
3679.4	20°	3215.9	2760.6	2160.3	1954.1	1883.6	1847.9	1825.4	1800.9	1781.5	1770.3
3900.0	22.5°	3380.3	2855.5	2173.6	1950.0	1865.2	1816.2	1775.4	1746.8	1717.2	1697.8
4122.5	25°	3540.6	2938.2	2172.5	1928.5	1829.5	1767.2	1715.2	1678.4	1637.6	1617.2
4352.2	27.5°	3694.7	3012.8	2147.0	1890.8	1778.5	1709.0	1646.8	1602.9	1563.0	1543.6
4584.0	30°	3854.0	3075.0	2107.2	1835.6	1718.2	1641.7	1573.3	1535.5	1499.7	1481.4
4829.0	32.5°	4012.3	3132.2	2051.0	1767.2	1648.8	1575.3	1507.9	1473.2	1451.8	1451.8
5092.4	35°	4179.7	3172.0	1976.5	1687.6	1575.3	1504.9	1451.8	1431.3	1429.3	1417.1
5371.1	37.5°	4356.3	3197.6	1885.7	1605.9	1502.8	1436.4	1420.1	1395.6	1375.2	1348.6
5677.4	40°	4542.1	3223.1	1776.4	1521.2	1426.2	1389.5	1382.3	1349.7	1291.5	1226.1
6024.5	42.5°	4767.7	3240.4	1663.1	1436.4	1345.6	1333.3	1343.5	1287.4	1194.5	1145.5
6443.1	45°	5029.1	3269.0	1559.0	1352.7	1262.9	1262.9	1305.8	1232.3	1155.7	1125.1
6920.9	47.5°	5368.0	3335.4	1462.0	1260.8	1186.3	1206.7	1222.1	1165.9	1123.0	1085.2
7502.8	50°	5858.1	3494.6	1361.9	1167.9	1128.1	1169.0	1147.5	1114.9	1064.8	1034.2
8427.8	52.5°	6466.6	3588.6	1273.1	1084.2	1078.1	1118.9	1088.3	1057.7	1019.9	979.1
9129.2	55°	6881.1	3605.9	1198.6	1023.0	1044.4	1040.3	1029.1	1001.5	981.1	927.0
9821.3	57.5°	7344.6	3640.6	1137.3	986.2	1023.0	978.1	974.0	950.5	923.9	887.2
10665.7	60°	7898.9	3694.7	1084.2	971.9	1004.6	937.2	916.8	907.6	881.1	862.7
11681.5	62.5°	8503.3	3743.8	1030.1	974.0	983.2	897.4	866.8	863.7	847.4	841.2
12635.0	65°	8915.8	3610.0	962.7	971.9	949.5	856.6	817.8	816.7	803.5	801.4
13048.5	67.5°	8771.8	3186.3	871.9	943.3	914.8	815.7	772.8	768.8	751.4	752.4
12616.7	70°	8051.1	2581.9	746.3	872.9	871.9	779.0	725.9	712.6	689.1	693.2
10969.9	72.5°	6699.3	1913.2	577.8	755.5	803.5	745.3	671.8	650.3	620.7	624.8
8098.0	75°	4838.2	1300.7	420.6	574.8	699.3	705.5	618.7	581.9	546.2	552.3
4507.4	77.5°	2475.8	737.1	309.3	396.1	549.3	641.1	570.7	521.7	513.5	570.7
1299.6	80°	807.6	369.6	214.4	277.7	360.4	524.8	500.3	444.1	442.1	455.3
272.6	82.5°	240.9	156.2	137.8	182.7	199.1	402.2	431.9	335.9	288.9	304.2
90.9	85°	82.7	75.5	78.6	90.9	94.9	235.8	302.2	222.6	210.3	231.8
20.4	87.5°	19.4	26.5	22.5	20.4	20.4	57.2	117.4	92.9	128.6	85.8
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>
2320.6
1834.6
1667.2
1689.6
1746.8
1795.8
1823.4
1819.3
1774.4
1698.8
1617.2
1542.6
1480.3
1452.8
1414.0
1344.6
1216.9
1146.5
1130.2
1084.2
1031.1
970.9
928.0
874.9
867.8
841.2
800.4
752.4
697.3
623.8
554.4
562.5
391.0
314.4
228.7
82.7
0.0

F REPORT)