

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: P956869

Luminaire Tested: **GALN-SB9B-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31031 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

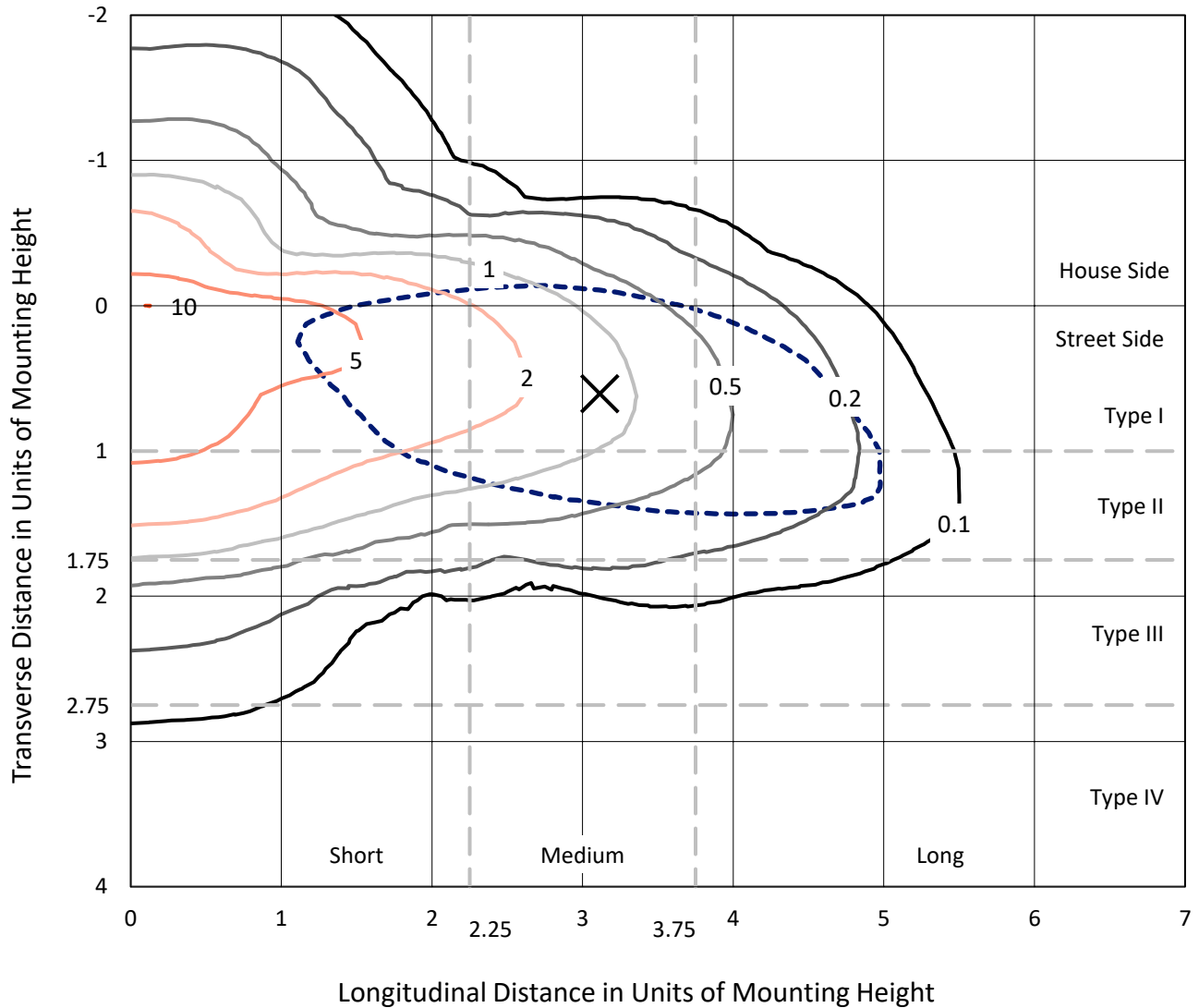
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956869
 CATALOG NUMBER: GALN-SB9B-927-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

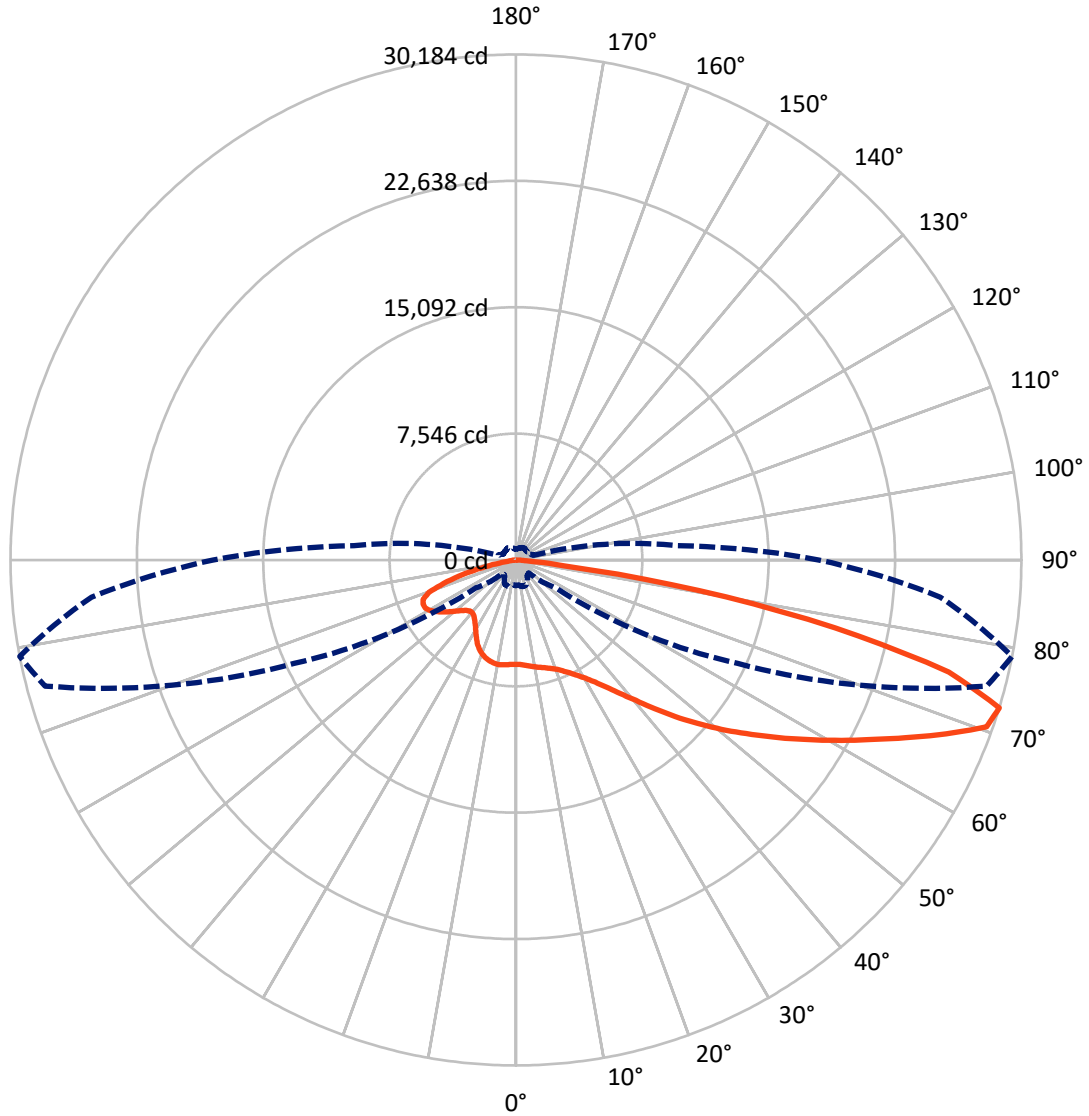
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Medium - N/A

REPORT NUMBER: P956869
CATALOG NUMBER: GALN-SB9B-927-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P956869

CATALOG NUMBER: GALN-SB9B-927-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6828.5	0.0	6828.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	24202.5	0.0	24202.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	31031.0	0.0	31031.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.4	1.8
10°-20°	1478.3	4.8
20°-30°	2385.4	7.7
30°-40°	3580.1	11.5
40°-50°	5078.6	16.4
50°-60°	6413.6	20.7
60°-70°	6513.9	21.0
70°-80°	4439.5	14.3
80°-90°	576.0	1.9
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°	31031.0	100.0
0°-180°	31031.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956869

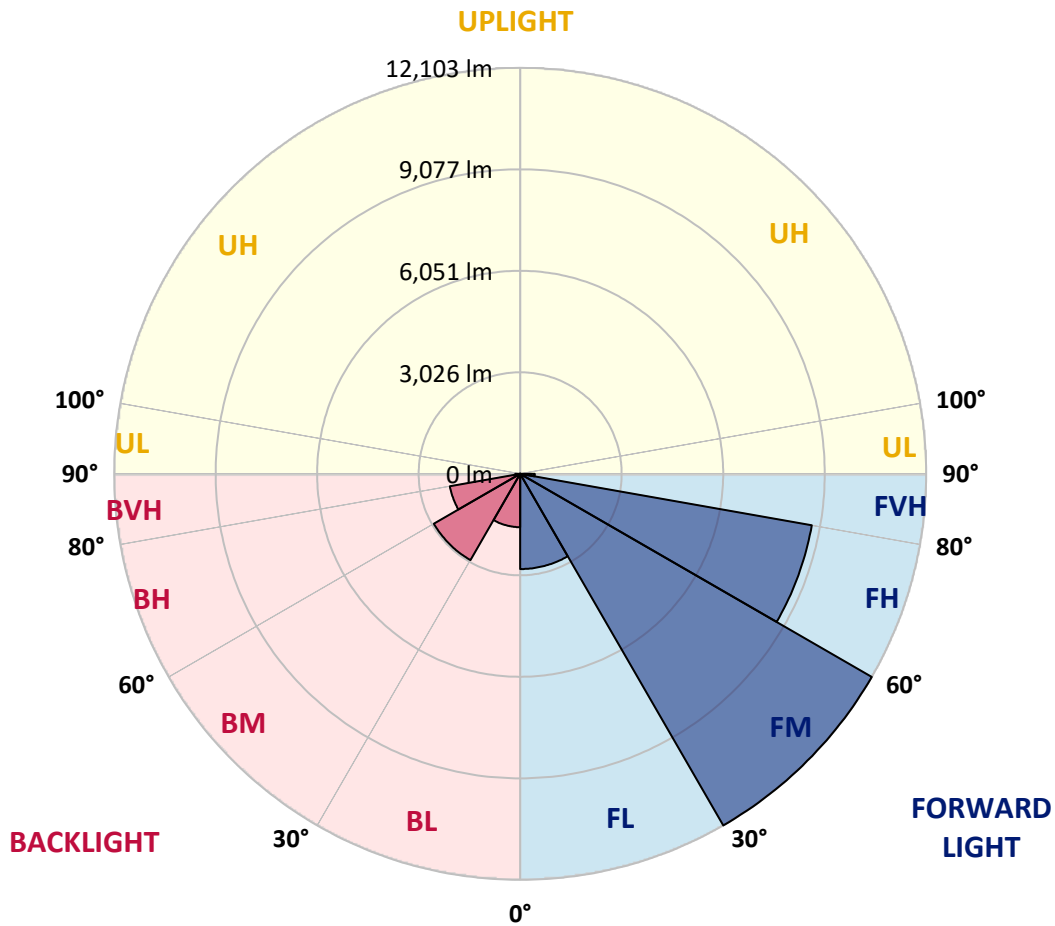
CATALOG NUMBER: GALN-SB9B-927-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2838.6	9.1			
FM (30°-60°)	12102.7	39.0			
FH (60°-80°)	8827.3	28.4			G4/12000
FVH (80°-90°)	433.9	1.4			G3/500
BL (0°-30°)	1590.6	5.1	B3/2500		
BM (30°-60°)	2969.7	9.6	B3/5000		
BH (60°-80°)	2126.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	142.1	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-G4

Type II Medium



REPORT NUMBER: P956869
 CATALOG NUMBER: GALN-SB9B-927-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2
2.5°	6232.5	6202.9	6221.0	6214.4	6222.6	6232.5	6235.7	6240.7	6257.1	6255.4
5°	6219.3	6189.8	6214.4	6206.2	6227.5	6250.5	6270.2	6288.3	6314.5	6326.0
7.5°	6191.4	6171.7	6196.3	6221.0	6260.4	6294.8	6322.7	6363.8	6401.5	6408.1
10°	6028.9	6014.2	6071.6	6135.6	6244.0	6337.5	6398.2	6445.8	6486.9	6493.4
12.5°	5859.9	5841.8	5905.8	5992.8	6168.4	6337.5	6465.5	6527.9	6564.0	6585.4
15°	5832.0	5817.2	5853.3	5928.8	6074.9	6293.2	6511.5	6626.4	6657.6	6682.2
17.5°	5966.6	5938.6	5953.4	5979.7	6065.0	6252.2	6547.6	6738.0	6785.6	6811.9
20°	6278.4	6239.0	6216.0	6163.5	6148.7	6258.7	6544.3	6872.6	6935.0	6967.8
22.5°	6693.7	6667.4	6618.2	6485.2	6340.8	6339.2	6606.7	7045.0	7161.5	7192.7
25°	7196.0	7156.6	7094.2	6913.6	6636.2	6498.4	6711.8	7264.9	7460.2	7468.4
27.5°	7773.8	7714.7	7629.3	7391.3	7017.1	6747.9	6872.6	7517.7	7803.3	7800.0
30°	8382.7	8323.6	8233.3	7944.5	7473.4	7084.4	7095.8	7790.2	8210.4	8192.3
32.5°	8827.5	8783.2	8765.2	8541.9	7998.6	7481.6	7351.9	8092.2	8712.6	8696.2
35°	9169.0	9111.5	9132.8	9019.6	8571.5	7926.4	7665.4	8451.7	9323.2	9321.6
37.5°	9507.1	9456.2	9474.3	9398.8	9101.7	8491.1	8047.9	8891.6	10079.9	10116.1
40°	9815.7	9761.5	9833.7	9763.1	9513.7	9091.8	8482.8	9388.9	10956.5	11025.4
42.5°	10001.2	9958.5	10078.3	10079.9	9871.5	9599.0	8960.5	9937.1	11970.9	12125.1
45°	10065.2	10050.4	10231.0	10268.7	10188.3	9892.8	9390.5	10534.6	13064.0	13339.8
47.5°	9996.2	9968.3	10217.8	10357.3	10421.4	10030.7	9746.7	11181.3	14180.2	14584.0
50°	9648.3	9594.1	9965.0	10258.9	10487.0	10121.0	10106.2	11928.2	15449.0	15890.6
52.5°	9022.9	8981.8	9403.7	9914.2	10342.6	10165.3	10510.0	12744.0	16653.8	17225.0
55°	8223.5	8169.3	8633.9	9300.3	9983.1	10150.5	10913.8	13656.6	18075.3	18654.7
57.5°	6956.3	6848.0	7435.6	8223.5	9397.1	10132.5	11334.0	14564.3	19519.7	20214.1
60°	5108.1	4947.2	5667.8	6601.8	8251.4	9956.8	11854.3	15582.0	21253.1	21878.4
62.5°	2974.2	2880.7	3351.8	4223.4	6219.3	8922.7	12146.5	16765.4	22956.9	23613.4
65°	2309.5	2283.2	2324.2	2391.5	3461.7	6680.6	11245.3	17919.4	25123.5	25583.1
67.5°	2112.5	2092.8	2110.9	1984.5	1756.3	3721.1	8896.5	18211.5	27444.5	27723.5
70°	1877.8	1854.8	1913.9	1805.6	1382.1	1692.3	5748.2	17151.2	29291.1	29814.7
72.5°	1529.8	1503.5	1641.4	1592.2	1163.8	1086.6	2887.3	14631.6	29097.4	30184.0
75°	1175.3	1160.5	1324.6	1365.7	948.7	855.2	1385.4	10876.0	25606.1	26700.9
77.5°	912.6	901.1	984.9	1134.2	764.9	663.1	851.9	6898.9	19296.5	19488.5
80°	684.5	651.6	728.8	878.2	595.8	484.2	577.8	4023.1	12197.4	11056.6
82.5°	428.4	412.0	476.0	586.0	420.2	333.2	375.9	2222.5	4888.1	2879.0
85°	244.6	238.0	259.3	334.8	228.2	192.0	215.0	981.6	892.9	613.9
87.5°	98.5	95.2	118.2	149.4	83.7	70.6	75.5	236.4	197.0	182.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956869
 CATALOG NUMBER: GALN-SB9B-927-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6229.2	0°	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2	6229.2
6253.8	2.5°	6247.2	6247.2	6224.3	6188.1	6147.1	6120.8	6078.2	6066.7	6022.4	6009.2
6309.6	5°	6322.7	6309.6	6239.0	6137.3	5997.7	5869.7	5728.5	5639.9	5515.2	5470.8
6419.6	7.5°	6417.9	6381.8	6260.4	6037.1	5745.0	5457.7	5159.0	4932.5	4715.8	4638.6
6509.9	10°	6504.9	6454.1	6247.2	5856.6	5351.0	4853.7	4377.7	4044.5	3791.7	3688.3
6610.0	12.5°	6591.9	6498.4	6160.2	5556.2	4791.3	4116.7	3609.5	3350.1	3194.2	3069.5
6692.1	15°	6674.0	6542.7	6025.6	5154.0	4177.4	3492.9	3118.7	2911.9	2787.1	2705.1
6811.9	17.5°	6769.2	6580.4	5823.7	4643.6	3593.1	3061.2	2755.9	2631.2	2606.6	2596.7
6976.0	20°	6902.2	6614.9	5557.8	4072.4	3163.0	2716.5	2559.0	2547.5	2545.8	2540.9
7173.0	22.5°	7045.0	6655.9	5206.6	3553.7	2797.0	2501.5	2473.6	2450.6	2435.9	2434.2
7411.0	25°	7214.0	6669.1	4766.7	3128.5	2485.1	2399.8	2366.9	2332.5	2322.6	2322.6
7681.8	27.5°	7378.2	6624.8	4254.6	2759.2	2309.5	2306.2	2263.5	2252.0	2250.4	2255.3
7990.4	30°	7542.3	6541.0	3745.7	2417.8	2207.7	2207.7	2192.9	2201.1	2207.7	2224.1
8413.9	32.5°	7763.9	6452.4	3320.6	2165.0	2119.1	2102.7	2117.4	2133.8	2140.4	2161.7
8970.3	35°	8088.9	6390.0	2982.5	2027.2	2027.2	2005.8	2014.0	2010.7	1996.0	1986.1
9643.3	37.5°	8519.0	6386.8	2703.4	1963.1	1950.0	1946.7	1948.4	1927.0	1869.6	1800.6
10457.5	40°	9036.0	6475.4	2488.4	1918.8	1909.0	1928.7	1918.8	1861.4	1703.8	1584.0
11458.7	42.5°	9730.3	6728.2	2350.5	1864.6	1894.2	1918.8	1879.4	1680.8	1574.1	1493.7
12599.5	45°	10547.7	7138.5	2279.9	1807.2	1866.3	1895.8	1705.4	1618.4	1533.1	1436.2
13843.7	47.5°	11473.5	7655.6	2263.5	1753.0	1803.9	1822.0	1631.6	1592.2	1495.3	1390.3
15094.5	50°	12481.3	8267.8	2307.8	1689.0	1713.6	1651.3	1606.9	1570.8	1470.7	1367.3
16376.4	52.5°	13523.6	8942.4	2396.5	1602.0	1623.4	1554.4	1597.1	1565.9	1455.9	1316.4
17701.0	55°	14547.9	9622.0	2481.8	1500.3	1531.4	1467.4	1569.2	1546.2	1388.6	1231.1
19114.3	57.5°	15588.5	10298.3	2565.5	1410.0	1442.8	1383.7	1524.9	1493.7	1313.1	1152.3
20657.2	60°	16670.2	10954.8	2604.9	1323.0	1346.0	1306.6	1457.6	1403.4	1227.8	1071.8
22173.9	62.5°	17683.0	11501.4	2540.9	1236.0	1250.8	1234.3	1368.9	1296.7	1142.4	981.6
23754.6	65°	18699.0	11826.4	2343.9	1150.6	1153.9	1145.7	1244.2	1181.8	1042.3	902.8
25138.3	67.5°	19619.9	12008.6	2030.4	1058.7	1050.5	1047.2	1127.7	1057.1	945.5	824.0
26190.5	70°	19815.2	11545.7	1551.1	950.4	950.4	942.2	999.6	927.4	838.8	740.3
25437.0	72.5°	18098.3	9712.3	1101.4	827.3	840.4	824.0	871.6	810.9	730.4	664.8
21922.8	75°	14593.8	7122.1	801.0	700.9	723.9	696.0	740.3	697.6	628.7	627.0
15107.6	77.5°	10027.4	4403.9	581.1	577.8	594.2	558.1	609.0	586.0	523.6	495.7
6575.5	80°	4279.2	1756.3	423.5	446.5	446.5	413.6	472.7	479.3	425.1	412.0
1268.8	82.5°	851.9	499.0	297.1	306.9	288.9	279.0	334.8	371.0	512.1	569.6
382.5	85°	256.1	183.8	178.9	167.4	147.7	149.4	197.0	372.6	459.6	262.6
126.4	87.5°	70.6	46.0	47.6	37.8	31.2	41.0	67.3	282.3	154.3	65.7
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>
6229.2
6030.6
5503.7
4648.5
3711.2
3110.5
2719.8
2603.3
2557.3
2452.3
2332.5
2268.4
2235.6
2179.8
2009.1
1802.3
1580.7
1490.4
1429.7
1382.1
1355.8
1306.6
1222.9
1149.0
1066.9
979.9
892.9
814.1
737.0
645.1
564.6
464.5
412.0
571.2
226.5
55.8
0.0

F REPORT)