

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: P955504

Luminaire Tested: **GALN-SB8B-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955504
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-SB8B-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 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: 32796 lumens
Efficiency: N/A
Efficacy: 112.0 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

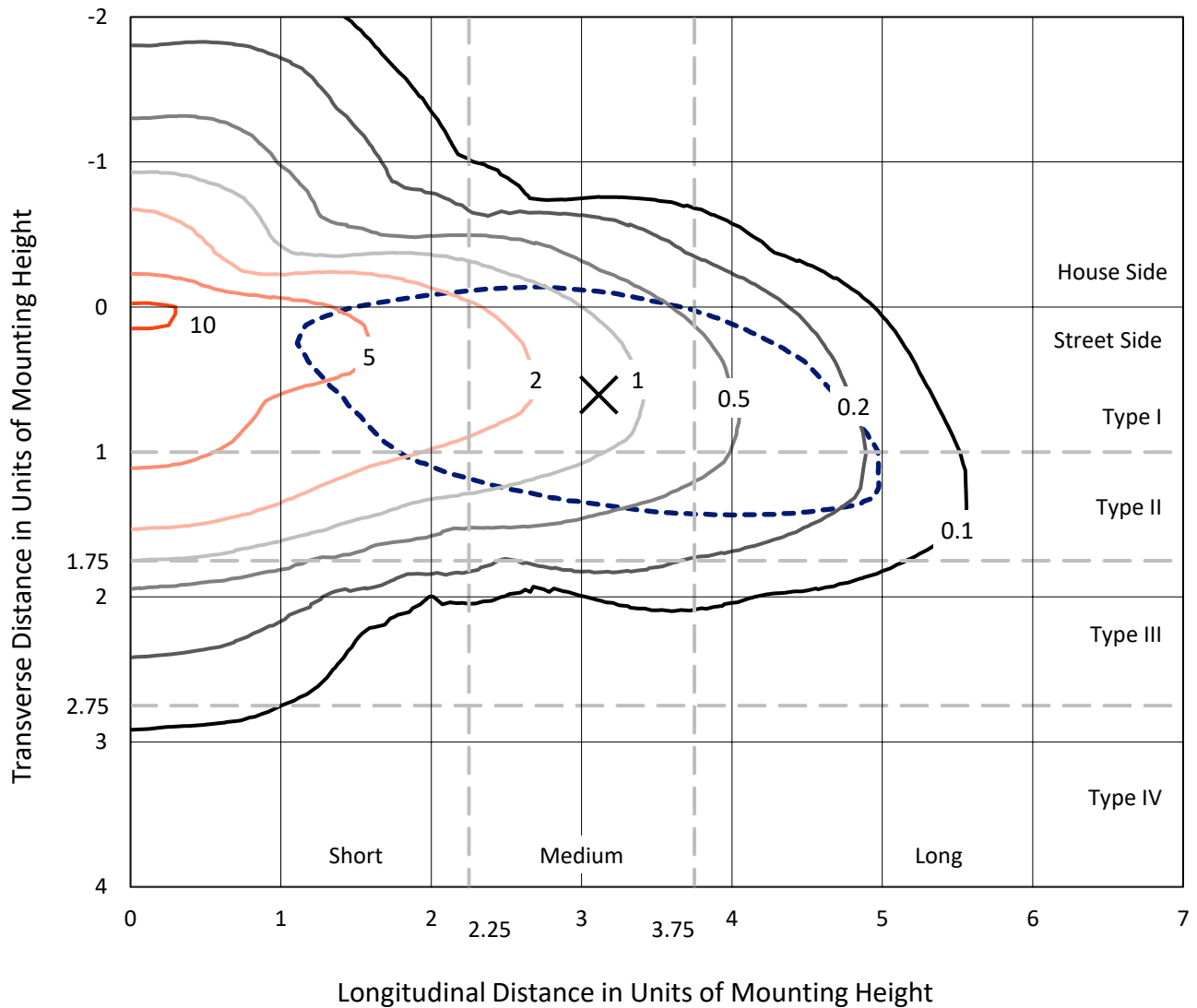
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955504
 CATALOG NUMBER: GALN-SB8B-940-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

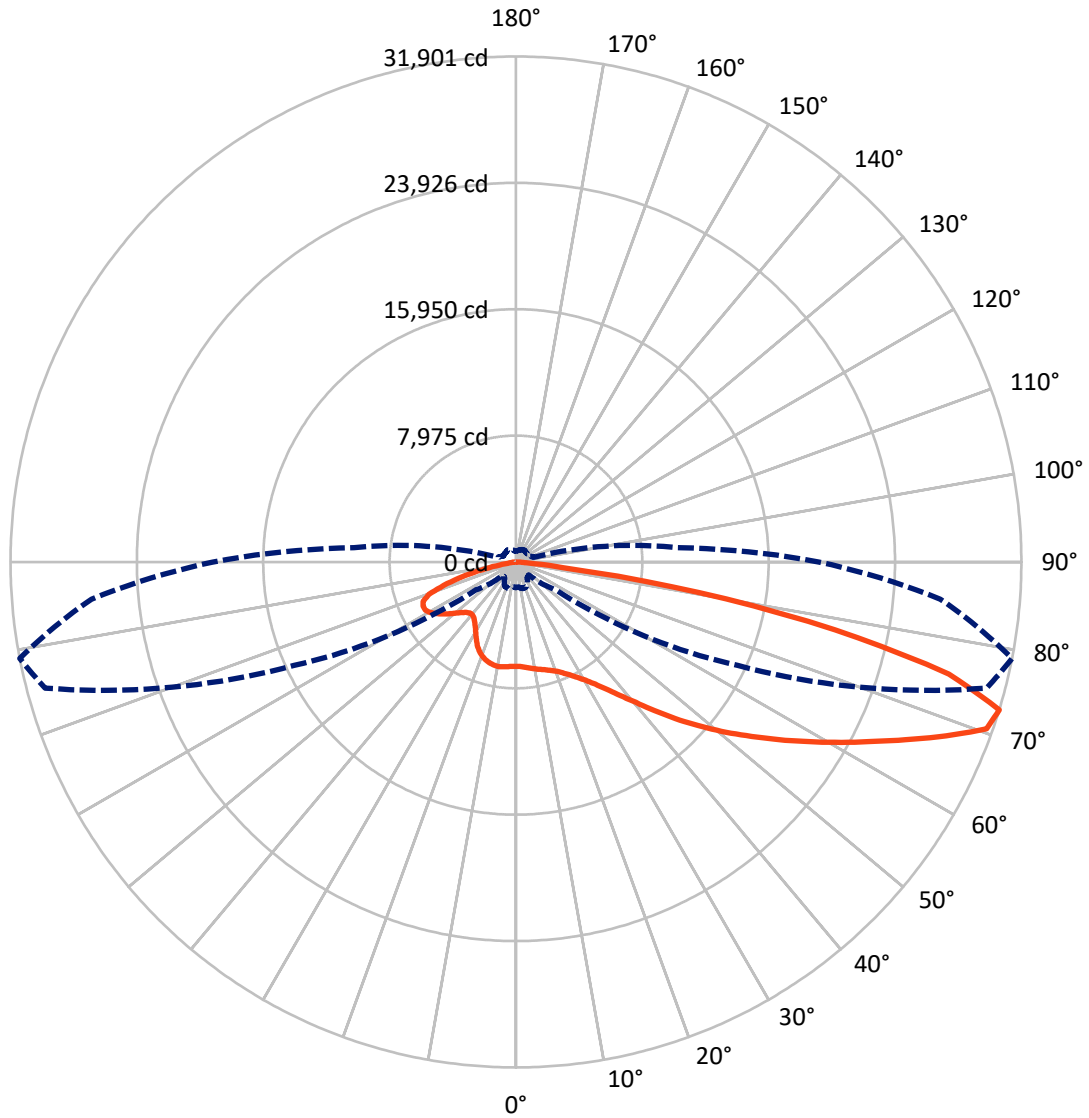
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P955504
CATALOG NUMBER: GALN-SB8B-940-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P955504

CATALOG NUMBER: GALN-SB8B-940-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7216.9	0.0	7216.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	25579.1	0.0	25579.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	32796.0	0.0	32796.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.6	1.8
10°-20°	1562.4	4.8
20°-30°	2521.1	7.7
30°-40°	3783.8	11.5
40°-50°	5367.5	16.4
50°-60°	6778.4	20.7
60°-70°	6884.4	21.0
70°-80°	4692.0	14.3
80°-90°	608.8	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°	32796.0	100.0
0°-180°	32796.0	100.0



REPORT NUMBER: P955504

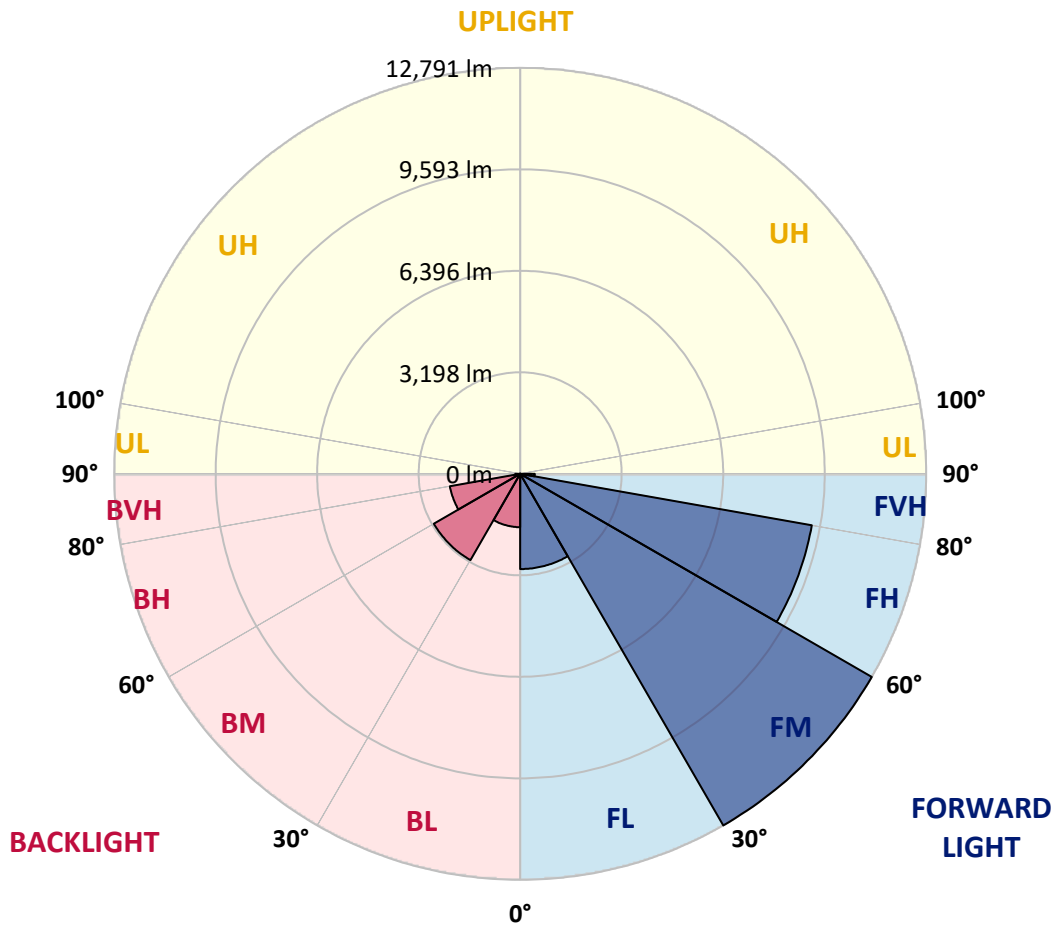
CATALOG NUMBER: GALN-SB8B-940-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3000.0	9.1			
FM (30°-60°)	12791.1	39.0			
FH (60°-80°)	9329.4	28.4			G4/12000
FVH (80°-90°)	458.6	1.4			G3/500
BL (0°-30°)	1681.0	5.1	B3/2500		
BM (30°-60°)	3138.6	9.6	B3/5000		
BH (60°-80°)	2247.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	150.2	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: P955504

CATALOG NUMBER: GALN-SB8B-940-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5
2.5°	6587.0	6555.7	6574.8	6567.9	6576.5	6587.0	6590.4	6595.6	6613.0	6611.2
5°	6573.1	6541.9	6567.9	6559.2	6581.8	6606.0	6626.9	6645.9	6673.7	6685.8
7.5°	6543.6	6522.8	6548.8	6574.8	6616.4	6652.9	6682.4	6725.7	6765.6	6772.6
10°	6371.8	6356.2	6416.9	6484.6	6599.1	6698.0	6762.2	6812.5	6855.8	6862.8
12.5°	6193.2	6174.1	6241.7	6333.7	6519.3	6698.0	6833.3	6899.2	6937.4	6959.9
15°	6163.7	6148.1	6186.2	6266.0	6420.4	6651.1	6881.9	7003.3	7036.3	7062.3
17.5°	6305.9	6276.4	6292.0	6319.8	6410.0	6607.8	6920.0	7121.3	7171.6	7199.3
20°	6635.5	6593.9	6569.6	6514.1	6498.5	6614.7	6916.6	7263.5	7329.4	7364.1
22.5°	7074.4	7046.7	6994.6	6854.1	6701.5	6699.7	6982.5	7445.7	7568.8	7601.8
25°	7605.3	7563.6	7497.7	7306.9	7013.7	6868.0	7093.5	7678.1	7884.6	7893.2
27.5°	8215.9	8153.5	8063.3	7811.7	7416.2	7131.7	7263.5	7945.3	8247.1	8243.7
30°	8859.5	8797.1	8701.6	8396.3	7898.4	7487.3	7499.4	8233.3	8677.4	8658.3
32.5°	9329.6	9282.8	9263.7	9027.8	8453.6	7907.1	7770.1	8552.5	9208.2	9190.9
35°	9690.5	9629.8	9652.3	9532.6	9059.0	8377.2	8101.4	8932.4	9853.5	9851.8
37.5°	10047.8	9994.1	10013.1	9933.3	9619.3	8974.0	8505.6	9397.3	10653.3	10691.4
40°	10374.0	10316.7	10393.1	10318.5	10054.8	9608.9	8965.3	9922.9	11579.6	11652.5
42.5°	10570.0	10524.9	10651.5	10653.3	10433.0	10145.0	9470.2	10502.4	12651.7	12814.8
45°	10637.7	10622.0	10812.9	10852.8	10767.8	10455.5	9924.7	11133.8	13807.1	14098.5
47.5°	10564.8	10535.3	10799.0	10946.5	11014.1	10601.2	10301.1	11817.3	14986.8	15413.5
50°	10197.0	10139.8	10531.8	10842.4	11083.5	10696.6	10681.0	12606.6	16327.7	16794.4
52.5°	9536.1	9492.7	9938.5	10478.1	10930.8	10743.5	11107.8	13468.8	17601.1	18204.8
55°	8691.2	8634.0	9124.9	9829.3	10550.9	10727.9	11534.5	14433.4	19103.4	19715.8
57.5°	7352.0	7237.5	7858.5	8691.2	9931.6	10708.8	11978.6	15392.7	20630.0	21363.8
60°	5398.6	5228.6	5990.2	6977.3	8720.7	10523.2	12528.6	16468.3	22461.9	23122.9
62.5°	3143.4	3044.5	3542.4	4463.6	6573.1	9430.3	12837.4	17719.0	24262.6	24956.5
65°	2440.8	2413.1	2456.4	2527.6	3658.6	7060.5	11885.0	18938.6	26552.5	27038.3
67.5°	2232.7	2211.8	2230.9	2097.3	1856.2	3932.7	9402.5	19247.4	29005.5	29300.4
70°	1984.6	1960.3	2022.8	1908.3	1460.7	1788.6	6075.2	18126.7	30957.1	31510.5
72.5°	1616.8	1589.1	1734.8	1682.7	1230.0	1148.4	3051.5	15463.8	30752.4	31900.8
75°	1242.1	1226.5	1400.0	1443.3	1002.7	903.8	1464.2	11494.6	27062.5	28219.6
77.5°	964.5	952.4	1040.9	1198.7	808.4	700.9	900.4	7291.3	20394.1	20597.0
80°	723.4	688.7	770.2	928.1	629.7	511.8	610.6	4251.9	12891.1	11685.5
82.5°	452.8	435.4	503.1	619.3	444.1	352.2	397.3	2348.9	5166.2	3042.8
85°	258.5	251.5	274.1	353.9	241.1	203.0	227.3	1037.4	943.7	648.8
87.5°	104.1	100.6	124.9	157.9	88.5	74.6	79.8	249.8	208.2	192.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955504
 CATALOG NUMBER: GALN-SB8B-940-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6583.5	0°	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5	6583.5
6609.5	2.5°	6602.6	6602.6	6578.3	6540.1	6496.7	6469.0	6423.9	6411.7	6364.9	6351.0
6668.5	5°	6682.4	6668.5	6593.9	6486.3	6338.9	6203.6	6054.4	5960.7	5828.9	5782.0
6784.7	7.5°	6783.0	6744.8	6616.4	6380.5	6071.7	5768.1	5452.4	5213.0	4984.0	4902.5
6880.1	10°	6874.9	6821.1	6602.6	6189.7	5655.4	5129.7	4626.7	4274.5	4007.3	3898.0
6986.0	12.5°	6966.9	6868.0	6510.6	5872.2	5063.8	4350.8	3814.8	3540.7	3375.9	3244.0
7072.7	15°	7053.6	6914.8	6368.4	5447.2	4415.0	3691.6	3296.1	3077.5	2945.7	2858.9
7199.3	17.5°	7154.2	6954.7	6155.0	4907.7	3797.4	3235.4	2912.7	2780.9	2754.8	2744.4
7372.8	20°	7294.7	6991.2	5874.0	4304.0	3342.9	2871.1	2704.5	2692.4	2690.6	2685.4
7581.0	22.5°	7445.7	7034.5	5502.7	3755.8	2956.1	2643.8	2614.3	2590.0	2574.4	2572.7
7832.5	25°	7624.4	7048.4	5037.8	3306.5	2626.5	2536.2	2501.6	2465.1	2454.7	2454.7
8118.8	27.5°	7797.8	7001.6	4496.5	2916.2	2440.8	2437.4	2392.3	2380.1	2378.4	2383.6
8444.9	30°	7971.3	6913.1	3958.8	2555.3	2333.3	2333.3	2317.7	2326.3	2333.3	2350.6
8892.5	32.5°	8205.5	6819.4	3509.5	2288.2	2239.6	2222.3	2237.9	2255.2	2262.2	2284.7
9480.6	35°	8549.0	6753.5	3152.1	2142.5	2142.5	2119.9	2128.6	2125.1	2109.5	2099.1
10191.8	37.5°	9003.5	6750.0	2857.2	2074.8	2060.9	2057.4	2059.2	2036.6	1975.9	1903.1
11052.3	40°	9550.0	6843.7	2629.9	2028.0	2017.5	2038.4	2028.0	1967.2	1800.7	1674.1
12110.5	42.5°	10283.8	7110.9	2484.2	1970.7	2001.9	2028.0	1986.3	1776.4	1663.7	1578.6
13316.2	45°	11147.7	7544.6	2409.6	1910.0	1972.4	2003.7	1802.4	1710.5	1620.3	1517.9
14631.1	47.5°	12126.1	8091.0	2392.3	1852.7	1906.5	1925.6	1724.4	1682.7	1580.4	1469.4
15953.0	50°	13191.3	8738.1	2439.1	1785.1	1811.1	1745.2	1698.3	1660.2	1554.4	1445.1
17307.9	52.5°	14292.8	9451.1	2532.8	1693.1	1715.7	1642.8	1687.9	1655.0	1538.7	1391.3
18707.9	55°	15375.3	10169.3	2623.0	1585.6	1618.5	1550.9	1658.4	1634.2	1467.6	1301.1
20201.5	57.5°	16475.2	10884.0	2711.5	1490.2	1524.9	1462.4	1611.6	1578.6	1387.8	1217.8
21832.2	60°	17618.4	11577.9	2753.1	1398.2	1422.5	1380.9	1540.5	1483.2	1297.6	1132.8
23435.1	62.5°	18688.8	12155.6	2685.4	1306.3	1321.9	1304.6	1446.8	1370.5	1207.4	1037.4
25105.7	65°	19762.6	12499.1	2477.3	1216.1	1219.5	1210.9	1315.0	1249.0	1101.6	954.1
26568.1	67.5°	20735.8	12691.6	2145.9	1118.9	1110.3	1106.8	1191.8	1117.2	999.2	870.9
27680.1	70°	20942.2	12202.4	1639.4	1004.4	1004.4	995.8	1056.5	980.1	886.5	782.4
26883.9	72.5°	19127.7	10264.7	1164.0	874.3	888.2	870.9	921.2	857.0	772.0	702.6
23169.7	75°	15423.9	7527.2	846.6	740.8	765.0	735.5	782.4	737.3	664.4	662.7
15966.9	77.5°	10597.8	4654.4	614.1	610.6	628.0	589.8	643.6	619.3	553.4	523.9
6949.5	80°	4522.6	1856.2	447.6	471.9	471.9	437.2	499.6	506.6	449.3	435.4
1341.0	82.5°	900.4	527.4	314.0	324.4	305.3	294.9	353.9	392.1	541.3	602.0
404.2	85°	270.6	194.3	189.1	176.9	156.1	157.9	208.2	393.8	485.7	277.6
133.6	87.5°	74.6	48.6	50.3	39.9	33.0	43.4	71.1	298.4	163.1	69.4
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>
6583.5
6373.6
5816.7
4912.9
3922.3
3287.4
2874.5
2751.4
2702.8
2591.8
2465.1
2397.5
2362.8
2303.8
2123.4
1904.8
1670.6
1575.2
1511.0
1460.7
1432.9
1380.9
1292.4
1214.3
1127.6
1035.7
943.7
860.5
778.9
<i>681.8</i>
596.8
490.9
435.4
603.7
239.4
59.0
0.0

F REPORT)