

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: P953719

Luminaire Tested: **GALN-SB7A-940-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953719  
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-SB7A-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

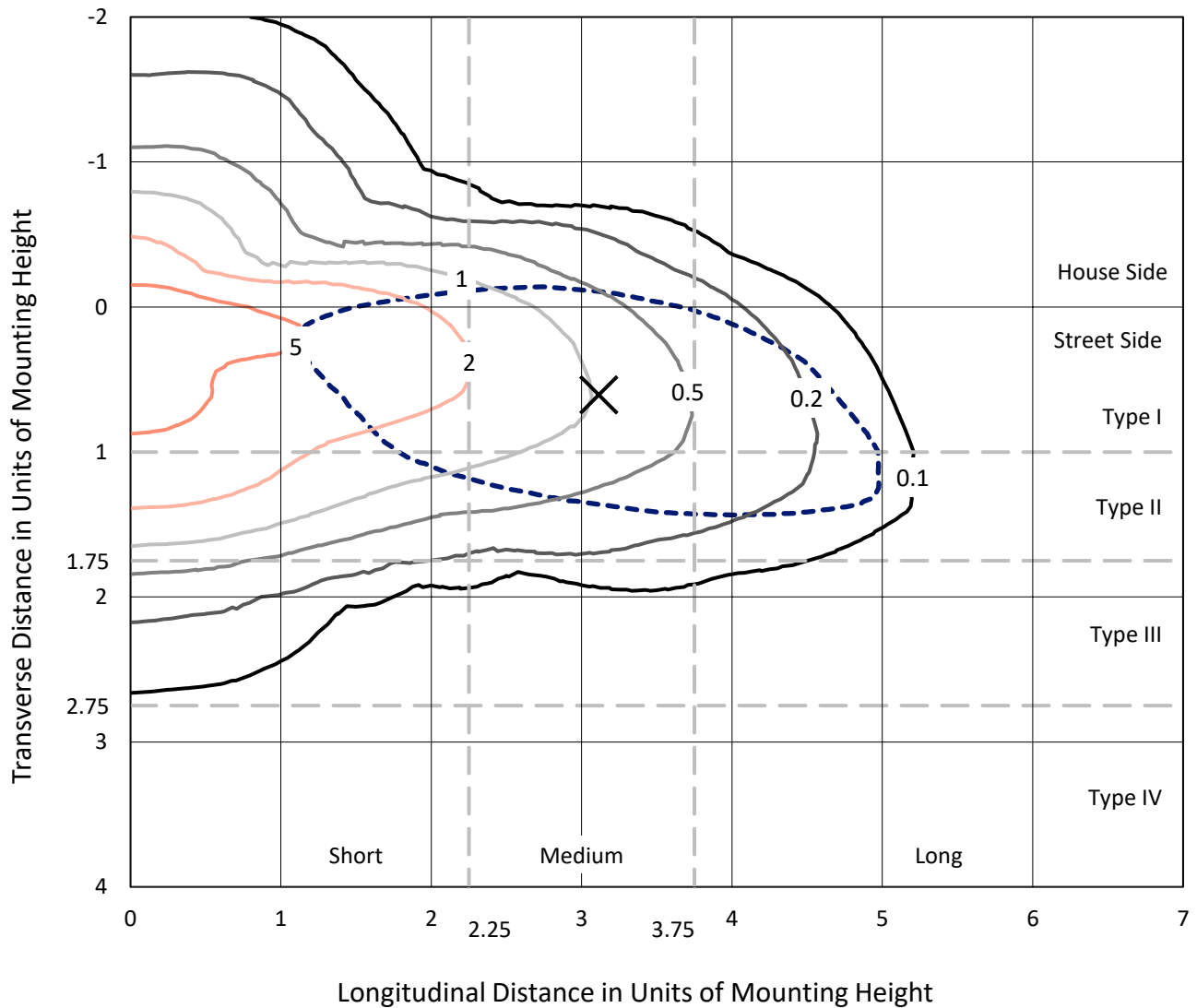
Lumens per Lamp: N/A  
Luminaire Lumens: 22977 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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: P953719  
 CATALOG NUMBER: GALN-SB7A-940-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

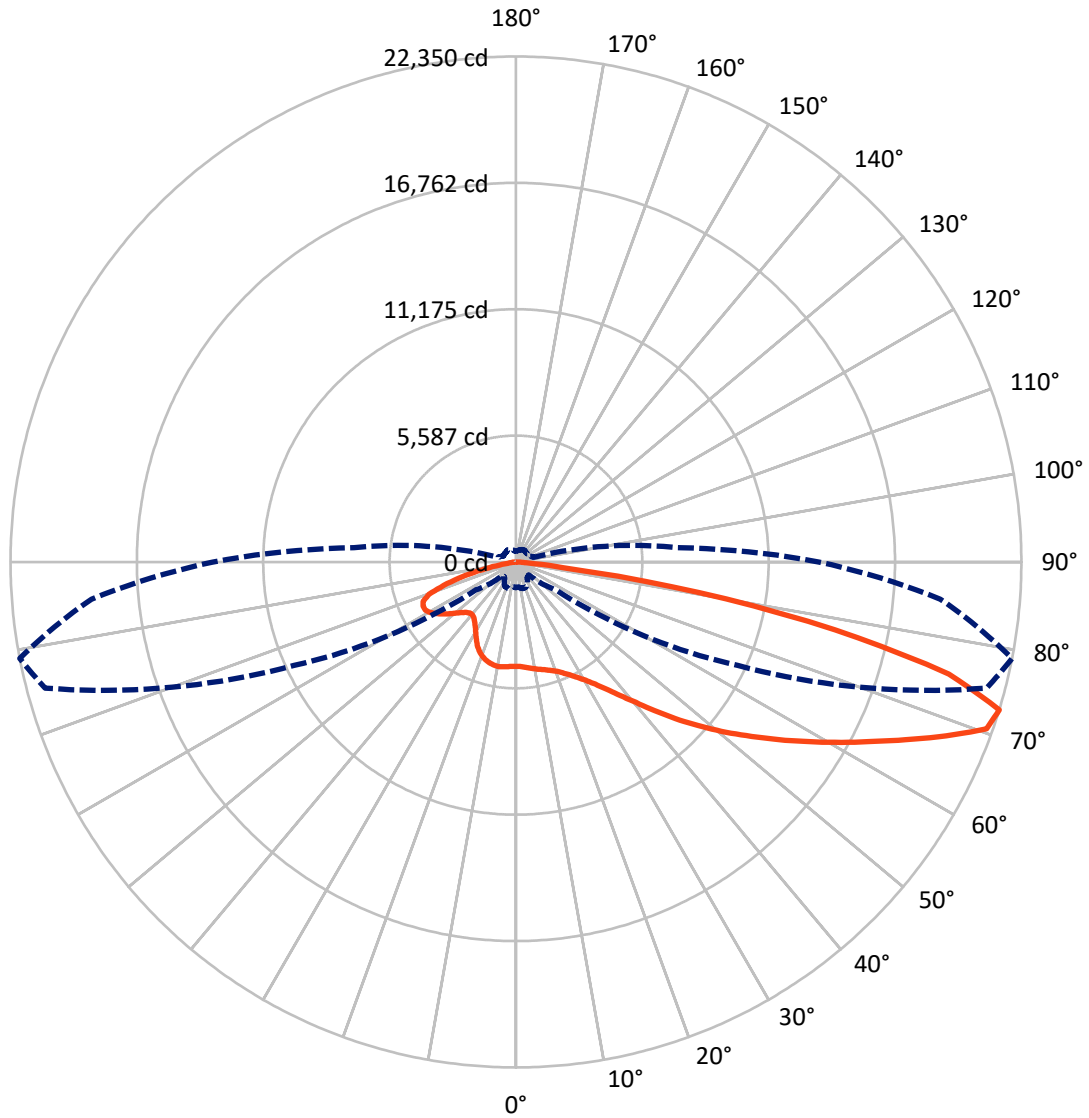
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P953719  
CATALOG NUMBER: GALN-SB7A-940-U-SL2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P953719  
 CATALOG NUMBER: GALN-SB7A-940-U-SL2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5056.2	0.0	5056.2
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	17920.8	0.0	17920.8
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	22977.0	0.0	22977.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.7	1.8
10°-20°	1094.6	4.8
20°-30°	1766.3	7.7
30°-40°	2650.9	11.5
40°-50°	3760.5	16.4
50°-60°	4749.0	20.7
60°-70°	4823.3	21.0
70°-80°	3287.3	14.3
80°-90°	426.5	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°	22977.0	100.0
0°-180°	22977.0	100.0



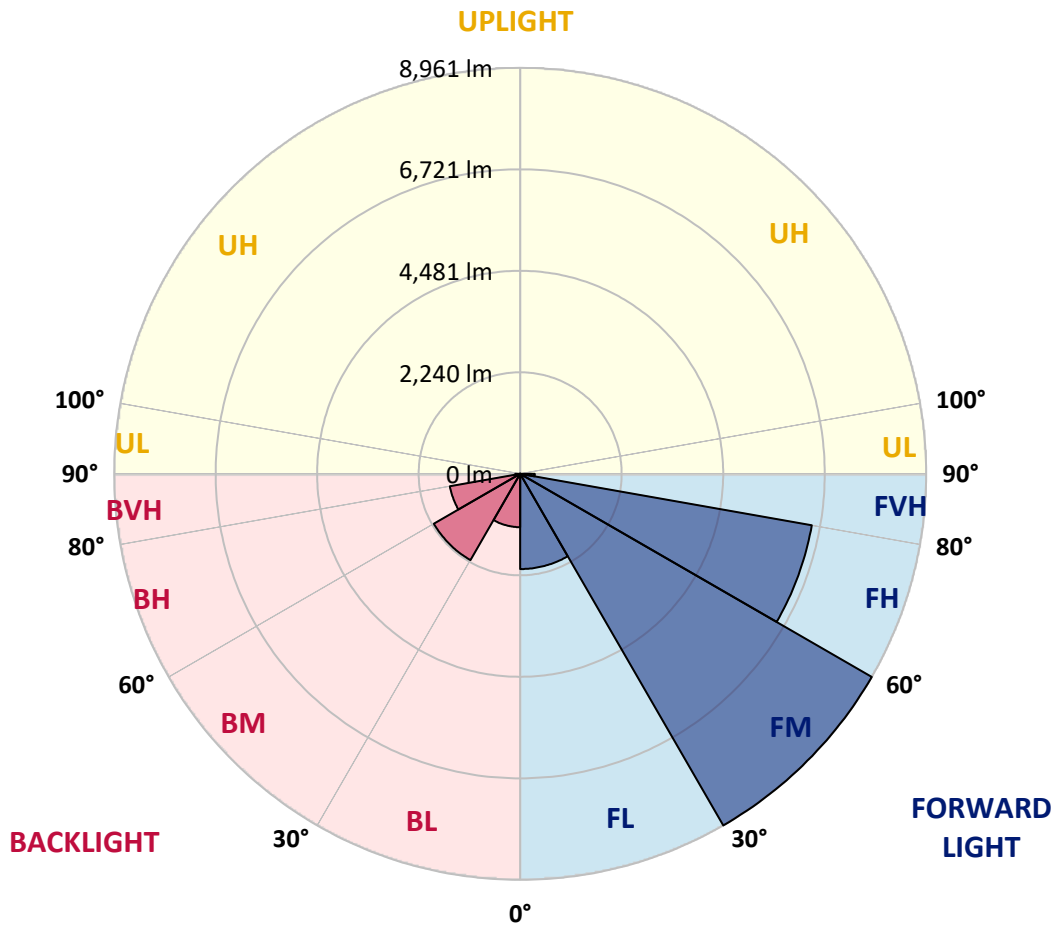
REPORT NUMBER: P953719  
 CATALOG NUMBER: GALN-SB7A-940-U-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2101.8	9.1			
FM (30°-60°)	8961.5	39.0			
FH (60°-80°)	6536.2	28.4			G3/7500
FVH (80°-90°)	321.3	1.4			G3/500
BL (0°-30°)	1177.7	5.1	B3/2500		
BM (30°-60°)	2198.9	9.6	B2/2500		
BH (60°-80°)	1574.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	105.2	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-G3**

Type II Medium



REPORT NUMBER: P953719  
 CATALOG NUMBER: GALN-SB7A-940-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4
2.5°	4614.8	4593.0	4606.3	4601.5	4607.6	4614.8	4617.3	4620.9	4633.1	4631.9
5°	4605.1	4583.2	4601.5	4595.4	4611.2	4628.2	4642.8	4656.2	4675.6	4684.1
7.5°	4584.5	4569.9	4588.1	4606.3	4635.5	4661.0	4681.7	4712.1	4740.0	4744.9
10°	4464.1	4453.2	4495.7	4543.1	4623.4	4692.6	4737.6	4772.8	4803.2	4808.1
12.5°	4339.0	4325.6	4373.0	4437.4	4567.4	4692.6	4787.4	4833.6	4860.4	4876.2
15°	4318.3	4307.4	4334.1	4390.0	4498.2	4659.8	4821.5	4906.5	4929.6	4947.9
17.5°	4418.0	4397.3	4408.2	4427.7	4490.9	4629.4	4848.2	4989.2	5024.4	5043.9
20°	4648.9	4619.7	4602.7	4563.8	4552.9	4634.3	4845.8	5088.8	5135.0	5159.3
22.5°	4956.4	4936.9	4900.5	4802.0	4695.1	4693.8	4892.0	5216.5	5302.8	5325.8
25°	5328.3	5299.1	5252.9	5119.2	4913.8	4811.7	4969.7	5379.3	5524.0	5530.0
27.5°	5756.1	5712.3	5649.1	5472.9	5195.8	4996.5	5088.8	5566.5	5778.0	5775.5
30°	6207.0	6163.3	6096.4	5882.5	5533.7	5245.6	5254.1	5768.3	6079.4	6066.0
32.5°	6536.4	6503.6	6490.2	6324.9	5922.6	5539.8	5443.7	5991.9	6451.3	6439.1
35°	6789.2	6746.6	6762.4	6678.6	6346.8	5869.1	5675.9	6258.1	6903.4	6902.2
37.5°	7039.6	7001.9	7015.2	6959.3	6739.4	6287.2	5959.1	6583.8	7463.7	7490.5
40°	7268.0	7227.9	7281.4	7229.2	7044.4	6732.1	6281.1	6952.0	8112.7	8163.8
42.5°	7405.4	7373.8	7462.5	7463.7	7309.4	7107.6	6634.8	7358.0	8863.9	8978.1
45°	7452.8	7441.8	7575.5	7603.5	7543.9	7325.2	6953.3	7800.4	9673.3	9877.5
47.5°	7401.7	7381.1	7565.8	7669.1	7716.5	7427.3	7217.0	8279.3	10499.8	10798.8
50°	7144.1	7104.0	7378.6	7596.2	7765.1	7494.1	7483.2	8832.3	11439.3	11766.2
52.5°	6681.0	6650.6	6963.0	7341.0	7658.2	7526.9	7782.2	9436.3	12331.4	12754.3
55°	6089.1	6049.0	6393.0	6886.4	7392.0	7516.0	8081.1	10112.1	13383.9	13812.9
57.5°	5150.8	5070.6	5505.7	6089.1	6958.1	7502.6	8392.3	10784.2	14453.4	14967.6
60°	3782.3	3663.2	4196.8	4888.3	6109.8	7372.6	8777.6	11537.7	15736.9	16200.0
62.5°	2202.3	2133.0	2481.8	3127.2	4605.1	6606.9	8993.9	12414.0	16998.5	17484.6
65°	1710.1	1690.6	1721.0	1770.8	2563.3	4946.6	8326.7	13268.4	18602.8	18943.1
67.5°	1564.2	1549.6	1563.0	1469.4	1300.5	2755.3	6587.4	13484.8	20321.4	20528.0
70°	1390.4	1373.4	1417.1	1336.9	1023.4	1253.1	4256.3	12699.6	21688.7	22076.4
72.5°	1132.7	1113.3	1215.4	1178.9	861.7	804.6	2137.9	10834.0	21545.3	22349.9
75°	870.2	859.3	980.8	1011.2	702.5	633.2	1025.8	8053.2	18960.1	19770.8
77.5°	675.8	667.3	729.2	839.8	566.4	491.0	630.8	5108.3	14288.2	14430.4
80°	506.8	482.5	539.6	650.2	441.2	358.5	427.8	2978.9	9031.6	8186.9
82.5°	317.2	305.1	352.5	433.9	311.1	246.7	278.3	1645.6	3619.4	2131.8
85°	181.1	176.2	192.0	247.9	168.9	142.2	159.2	726.8	661.2	454.6
87.5°	72.9	70.5	87.5	110.6	62.0	52.3	55.9	175.0	145.8	134.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953719  
 CATALOG NUMBER: GALN-SB7A-940-U-SL2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4612.4	0°	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4	4612.4
4630.6	2.5°	4625.8	4625.8	4608.8	4582.0	4551.6	4532.2	4500.6	4492.1	4459.3	4449.6
4672.0	5°	4681.7	4672.0	4619.7	4544.4	4441.0	4346.2	4241.7	4176.1	4083.7	4050.9
4753.4	7.5°	4752.2	4725.4	4635.5	4470.2	4253.9	4041.2	3820.0	3652.3	3491.8	3434.7
4820.2	10°	4816.6	4778.9	4625.8	4336.5	3962.2	3593.9	3241.5	2994.7	2807.6	2731.0
4894.4	12.5°	4881.0	4811.7	4561.4	4114.1	3547.7	3048.2	2672.6	2480.6	2365.2	2272.8
4955.2	15°	4941.8	4844.6	4461.7	3816.3	3093.2	2586.4	2309.2	2156.1	2063.7	2003.0
5043.9	17.5°	5012.3	4872.5	4312.2	3438.3	2660.5	2266.7	2040.6	1948.3	1930.0	1922.8
5165.4	20°	5110.7	4898.0	4115.3	3015.4	2342.1	2011.5	1894.8	1886.3	1885.1	1881.4
5311.3	22.5°	5216.5	4928.4	3855.2	2631.3	2071.0	1852.3	1831.6	1814.6	1803.6	1802.4
5487.5	25°	5341.6	4938.1	3529.5	2316.5	1840.1	1776.9	1752.6	1727.1	1719.8	1719.8
5688.0	27.5°	5463.2	4905.3	3150.3	2043.1	1710.1	1707.6	1676.0	1667.5	1666.3	1669.9
5916.5	30°	5584.7	4843.3	2773.5	1790.3	1634.7	1634.7	1623.8	1629.8	1634.7	1646.9
6230.1	32.5°	5748.8	4777.7	2458.7	1603.1	1569.1	1556.9	1567.9	1580.0	1584.9	1600.7
6642.1	35°	5989.5	4731.5	2208.4	1501.0	1501.0	1485.2	1491.3	1488.9	1477.9	1470.6
7140.4	37.5°	6307.9	4729.1	2001.8	1453.6	1443.9	1441.5	1442.7	1426.9	1384.3	1333.3
7743.3	40°	6690.7	4794.7	1842.5	1420.8	1413.5	1428.1	1420.8	1378.3	1261.6	1172.9
8484.7	42.5°	7204.8	4981.9	1740.4	1380.7	1402.6	1420.8	1391.6	1244.6	1165.6	1106.0
9329.4	45°	7810.1	5285.7	1688.2	1338.1	1381.9	1403.8	1262.8	1198.4	1135.2	1063.5
10250.6	47.5°	8495.6	5668.6	1676.0	1298.0	1335.7	1349.1	1208.1	1178.9	1107.2	1029.4
11176.7	50°	9241.8	6121.9	1708.8	1250.6	1268.9	1222.7	1189.9	1163.1	1089.0	1012.4
12126.0	52.5°	10013.6	6621.5	1774.5	1186.2	1202.0	1151.0	1182.6	1159.5	1078.1	974.7
13106.8	55°	10772.0	7124.6	1837.7	1110.9	1134.0	1086.6	1161.9	1144.9	1028.2	911.5
14153.2	57.5°	11542.6	7625.4	1899.7	1044.0	1068.3	1024.6	1129.1	1106.0	972.3	853.2
15295.7	60°	12343.5	8111.5	1928.8	979.6	996.6	967.5	1079.3	1039.2	909.1	793.7
16418.7	62.5°	13093.4	8516.3	1881.4	915.2	926.1	914.0	1013.6	960.2	845.9	726.8
17589.2	65°	13845.8	8756.9	1735.6	852.0	854.4	848.3	921.3	875.1	771.8	668.5
18613.7	67.5°	14527.6	8891.8	1503.4	783.9	777.9	775.4	835.0	782.7	700.1	610.1
19392.8	70°	14672.2	8549.1	1148.5	703.7	703.7	697.6	740.2	686.7	621.1	548.1
18834.9	72.5°	13400.9	7191.5	815.5	612.6	622.3	610.1	645.4	600.4	540.8	492.2
16232.8	75°	10806.1	5273.6	593.1	519.0	536.0	515.3	548.1	516.5	465.5	464.3
11186.5	77.5°	7424.8	3260.9	430.2	427.8	440.0	413.2	450.9	433.9	387.7	367.0
4868.9	80°	3168.5	1300.5	313.6	330.6	330.6	306.3	350.0	354.9	314.8	305.1
939.5	82.5°	630.8	369.5	220.0	227.3	213.9	206.6	247.9	274.7	379.2	421.7
283.2	85°	189.6	136.1	132.5	124.0	109.4	110.6	145.8	275.9	340.3	194.5
93.6	87.5°	52.3	34.0	35.2	28.0	23.1	30.4	49.8	209.0	114.2	48.6
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>
4612.4
4465.4
4075.2
3442.0
2748.0
2303.2
2013.9
1927.6
1893.6
1815.8
1727.1
1679.7
1655.4
1614.0
1487.6
1334.5
1170.4
1103.6
1058.6
1023.4
1003.9
967.5
905.5
850.8
790.0
725.6
661.2
602.8
545.7
477.6
418.1
344.0
305.1
423.0
167.7
41.3
0.0

F REPORT)