

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: P956577

Luminaire Tested: **GALN-SB9A-940-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9A-940-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28936 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

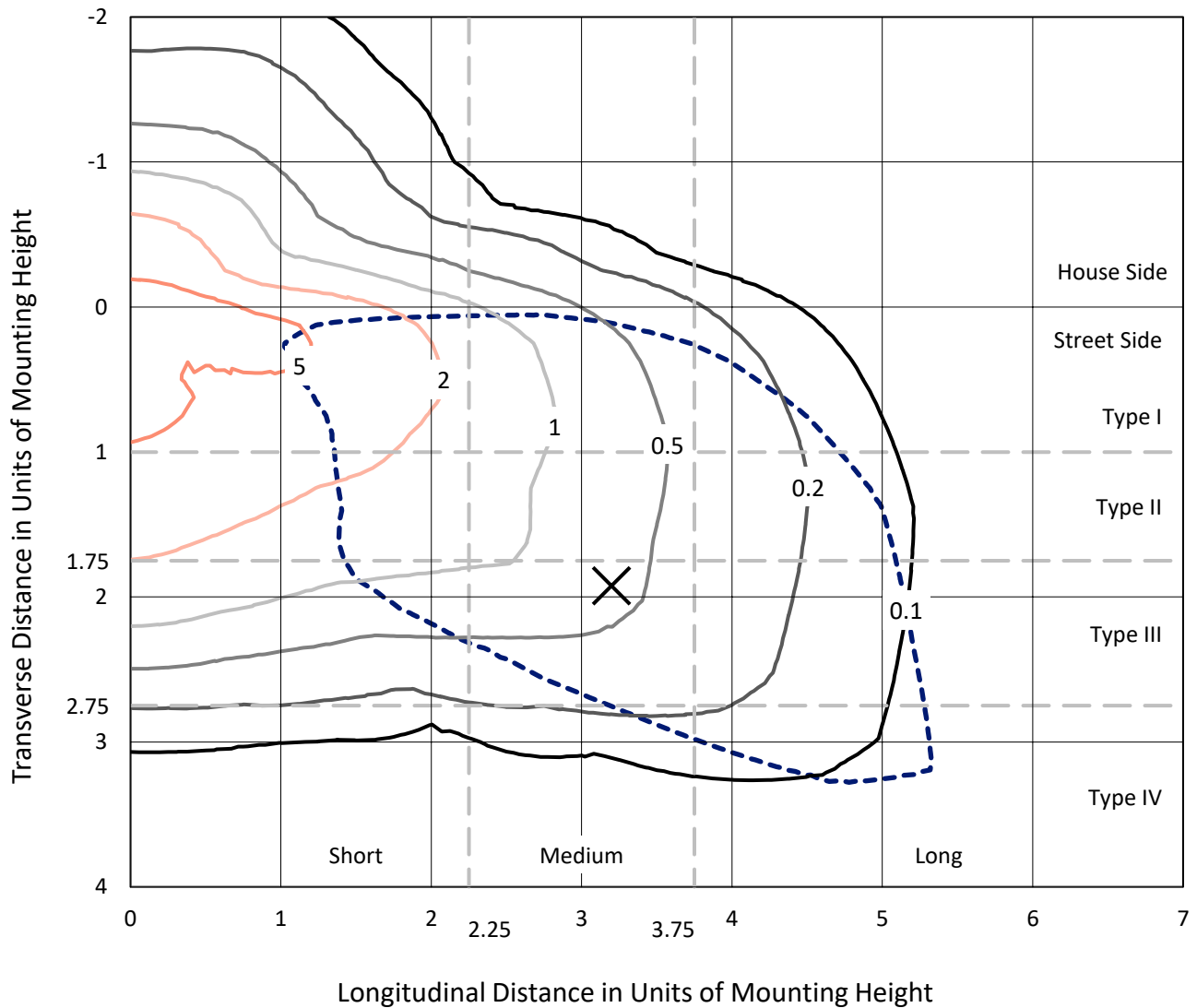
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956577
 CATALOG NUMBER: GALN-SB9A-940-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

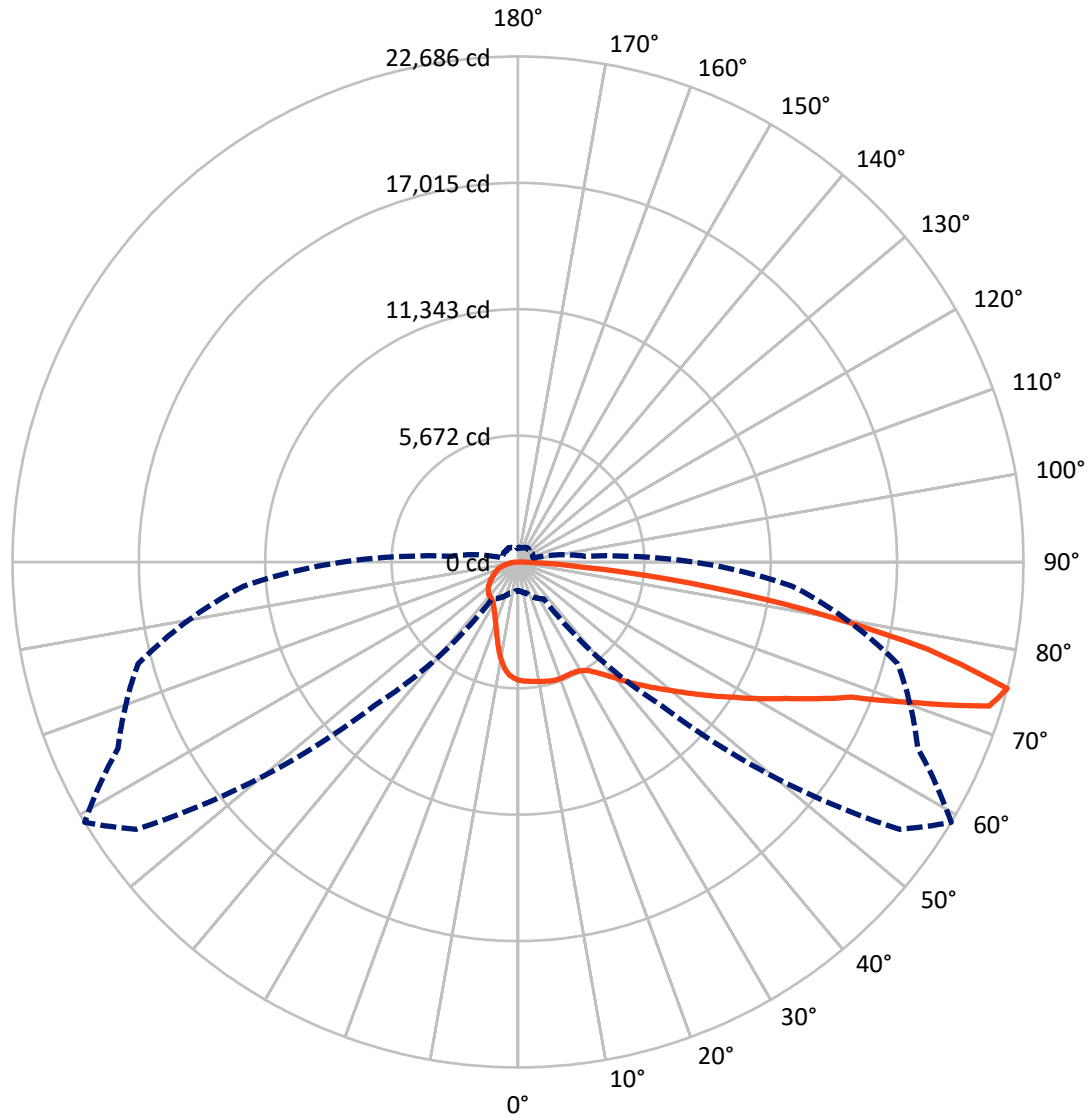
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P956577
CATALOG NUMBER: GALN-SB9A-940-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P956577
 CATALOG NUMBER: GALN-SB9A-940-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5427.1	0.0	5427.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	23508.9	0.0	23508.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	28936.0	0.0	28936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.2	1.6
10°-20°	1217.3	4.2
20°-30°	1848.9	6.4
30°-40°	2748.4	9.5
40°-50°	4087.4	14.1
50°-60°	5548.1	19.2
60°-70°	6773.3	23.4
70°-80°	5315.6	18.4
80°-90°	920.8	3.2
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°	28936.0	100.0
0°-180°	28936.0	100.0

Coefficient of Utilization



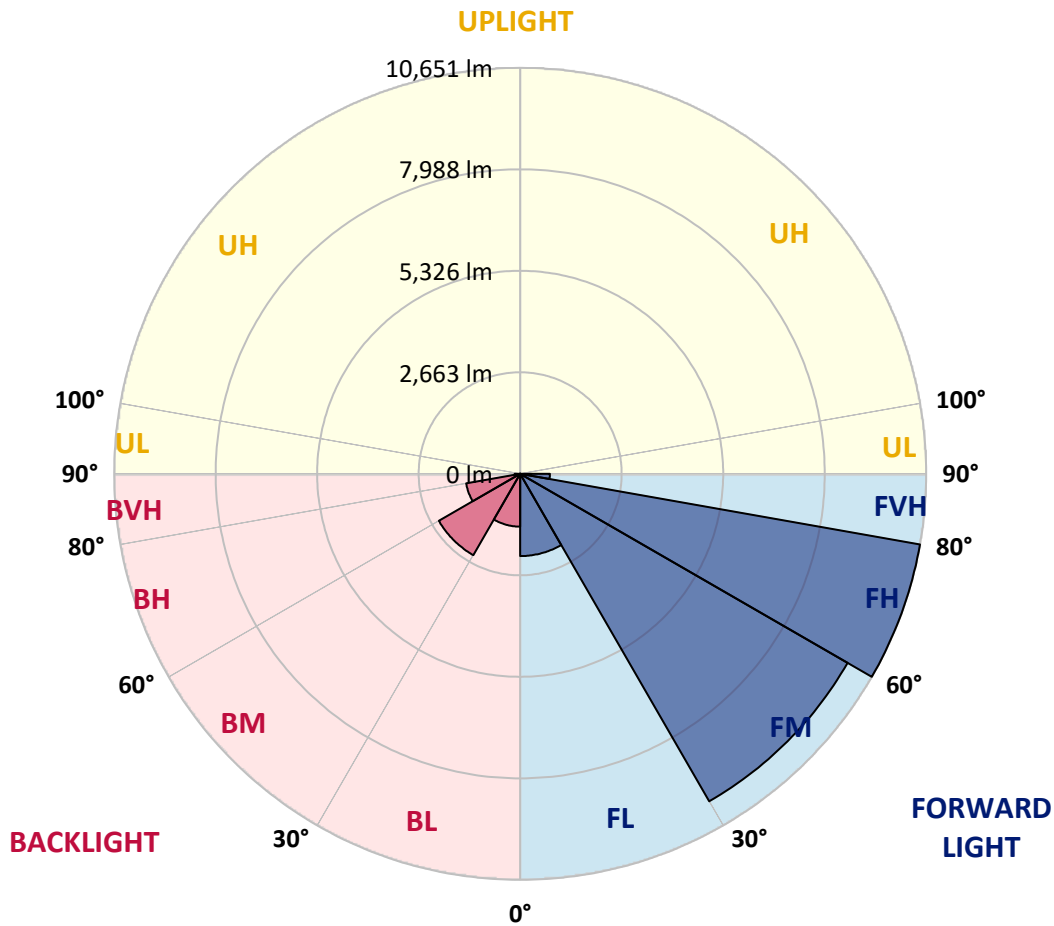
REPORT NUMBER: P956577
 CATALOG NUMBER: GALN-SB9A-940-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2157.5	7.5			
FM (30°-60°)	9920.5	34.3			
FH (60°-80°)	10651.1	36.8			G4/12000
FVH (80°-90°)	779.8	2.7			G5
BL (0°-30°)	1384.9	4.8	B3/2500		
BM (30°-60°)	2463.4	8.5	B2/2500		
BH (60°-80°)	1437.9	5.0	B3/2500		G3/2500
BVH (80°-90°)	140.9	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-G5

Type IV Medium



REPORT NUMBER: P956577
 CATALOG NUMBER: GALN-SB9A-940-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1
2.5°	5356.3	5337.6	5356.3	5348.5	5345.4	5339.2	5340.7	5351.6	5345.4	5353.2
5°	5320.5	5309.6	5328.3	5323.6	5343.8	5346.9	5367.2	5379.6	5387.4	5389.0
7.5°	5261.3	5250.4	5276.9	5298.7	5342.3	5354.7	5396.8	5417.0	5427.9	5446.6
10°	5045.0	5040.3	5105.7	5188.2	5290.9	5354.7	5418.5	5452.8	5469.9	5519.7
12.5°	4662.0	4668.3	4753.9	4912.6	5118.1	5323.6	5443.4	5493.3	5519.7	5582.0
15°	4296.2	4294.7	4388.1	4557.7	4845.7	5186.6	5455.9	5541.5	5586.7	5678.5
17.5°	4084.5	4078.3	4143.7	4272.9	4540.6	4976.5	5424.8	5568.0	5664.5	5779.7
20°	4045.6	4033.2	4067.4	4131.2	4321.1	4746.1	5343.8	5568.0	5726.8	5876.2
22.5°	4187.3	4167.0	4153.0	4145.2	4229.3	4556.2	5252.0	5549.3	5818.6	6014.7
25°	4472.1	4441.0	4369.4	4299.3	4274.4	4470.6	5171.0	5544.6	5955.6	6201.5
27.5°	4932.9	4894.0	4749.2	4581.1	4430.1	4514.2	5135.2	5572.6	6106.6	6399.2
30°	5504.2	5462.1	5280.0	5021.6	4750.8	4676.0	5180.4	5655.1	6299.6	6662.3
32.5°	6016.3	5969.6	5813.9	5550.9	5185.1	4956.2	5323.6	5812.4	6603.1	7028.1
35°	6470.8	6416.3	6276.2	6033.4	5717.4	5350.1	5582.0	6091.0	7034.3	7622.7
37.5°	6916.0	6852.2	6699.6	6442.8	6221.8	5874.6	5938.5	6449.0	7607.1	8345.0
40°	7414.1	7322.3	7137.0	6883.3	6668.5	6489.5	6407.0	6888.0	8189.3	9151.3
42.5°	7896.7	7809.5	7588.5	7372.1	7102.8	7051.4	6950.2	7401.7	8826.0	10037.0
45°	8416.6	8312.3	8044.5	7770.6	7600.9	7425.0	7476.4	7915.3	9450.2	10939.8
47.5°	8903.8	8787.0	8471.0	8166.0	8072.6	7739.4	7958.9	8480.4	10099.3	11855.1
50°	9166.9	9051.7	8788.6	8513.1	8439.9	8127.0	8481.9	9101.5	10779.5	12767.3
52.5°	9386.3	9261.8	8917.8	8765.2	8743.5	8548.9	9126.4	9811.3	11459.7	13573.6
55°	9619.8	9481.3	9042.3	8905.3	9005.0	9022.1	9890.7	10616.1	12178.9	14359.7
57.5°	9889.1	9713.2	9162.2	9023.6	9260.2	9576.2	10768.6	11450.4	12885.6	15088.2
60°	10142.8	9965.4	9392.6	9212.0	9535.8	10219.1	11775.7	12460.6	13685.7	15737.3
62.5°	10192.7	10046.3	9576.2	9574.7	9909.4	10969.4	12968.1	13480.2	14384.6	16378.6
65°	9330.3	9238.5	8959.8	9560.7	10444.8	12049.7	14295.9	14784.6	15273.4	16939.0
67.5°	7101.2	7113.7	7093.5	8253.1	10012.1	13601.6	16218.3	16180.9	16370.8	17567.9
70°	3247.1	3320.2	3796.6	5697.2	8021.2	13780.6	19396.9	18912.8	17748.4	18382.0
72.5°	1754.3	1810.3	2004.9	2759.9	4822.4	12252.0	21772.2	22116.3	19580.5	18929.9
75°	1287.3	1318.4	1453.9	1754.3	2025.1	9106.1	20920.8	22686.0	19809.4	17651.9
77.5°	963.5	977.5	1088.1	1390.0	1036.7	4800.6	16716.4	18788.2	16957.7	14502.9
80°	698.9	714.5	797.0	1042.9	726.9	1755.9	11478.4	13187.6	11613.8	9244.7
82.5°	482.5	488.8	524.6	709.8	507.5	681.8	6512.8	7733.2	6483.3	3244.0
85°	291.1	298.9	314.4	414.1	288.0	323.8	2811.2	2907.7	1938.0	775.2
87.5°	119.9	127.6	140.1	174.3	113.6	90.3	463.9	582.2	362.7	227.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956577
 CATALOG NUMBER: GALN-SB9A-940-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5311.1	0°	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1	5311.1
5326.7	2.5°	5318.9	5308.0	5278.4	5238.0	5200.6	5153.9	5133.7	5116.6	5101.0	5071.4
5368.7	5°	5351.6	5322.0	5242.6	5139.9	5023.2	4895.5	4771.0	4685.4	4612.2	4557.7
5417.0	7.5°	5401.4	5345.4	5200.6	4990.5	4722.7	4448.8	4201.3	4025.4	3893.1	3844.8
5485.5	10°	5452.8	5385.9	5133.7	4763.2	4300.9	3879.1	3550.6	3370.1	3264.2	3230.0
5566.4	12.5°	5513.5	5415.4	5029.4	4447.2	3829.2	3366.9	3080.5	2974.7	2920.2	2901.5
5666.0	15°	5602.2	5440.3	4872.2	4051.8	3379.4	2993.4	2808.1	2735.0	2706.9	2705.4
5768.8	17.5°	5669.2	5445.0	4627.8	3628.4	3033.8	2767.6	2615.1	2587.1	2605.8	2633.8
5870.0	20°	5743.9	5403.0	4307.1	3242.4	2791.0	2570.0	2506.1	2524.8	2570.0	2610.4
6003.8	22.5°	5796.8	5326.7	3919.5	2942.0	2580.9	2456.3	2453.2	2492.1	2517.0	2537.3
6161.0	25°	5843.5	5197.5	3508.6	2689.8	2408.1	2387.8	2422.1	2409.6	2392.5	2409.6
6318.3	27.5°	5877.7	4993.6	3141.2	2468.8	2286.7	2341.1	2320.9	2292.9	2291.3	2300.7
6503.5	30°	5866.8	4721.2	2839.2	2258.6	2201.0	2254.0	2205.7	2201.0	2196.4	2201.0
6782.1	32.5°	5866.8	4411.4	2607.3	2113.9	2146.6	2126.3	2121.7	2110.8	2092.1	2090.5
7160.4	35°	5899.5	4101.7	2408.1	2036.0	2101.4	2053.2	2056.3	2029.8	1990.9	1972.2
7661.6	37.5°	5966.5	3852.6	2210.4	1998.7	2022.0	2020.5	2008.0	1962.9	1894.4	1835.2
8287.4	40°	6128.4	3779.4	2075.0	1981.6	1984.7	2003.4	1970.7	1883.5	1727.8	1631.3
8922.5	42.5°	6382.1	3902.4	2045.4	1939.5	1959.8	1978.4	1914.6	1712.3	1601.7	1544.2
9588.7	45°	6704.3	4117.2	2109.2	1878.8	1900.6	1933.3	1743.4	1646.9	1597.1	1598.6
10248.7	47.5°	7112.1	4342.9	2227.5	1825.9	1815.0	1833.7	1629.8	1570.6	1502.1	1519.2
10882.2	50°	7583.8	4571.8	2339.6	1754.3	1720.0	1659.3	1556.6	1500.6	1413.4	1372.9
11494.0	52.5°	8094.3	4792.8	2384.7	1667.1	1617.3	1547.3	1506.8	1438.3	1332.5	1265.5
12071.5	55°	8578.5	4993.6	2334.9	1562.8	1514.6	1460.1	1453.9	1411.8	1298.2	1204.8
12585.2	57.5°	9036.1	5161.7	2210.4	1457.0	1410.3	1377.6	1419.6	1399.4	1256.2	1136.3
13070.8	60°	9423.7	5276.9	2029.8	1349.6	1316.9	1299.8	1363.6	1357.4	1197.0	1063.2
13506.7	62.5°	9731.9	5322.0	1830.6	1246.8	1239.1	1207.9	1285.8	1285.8	1122.3	991.6
13889.6	65°	9973.2	5278.4	1628.2	1145.7	1161.2	1114.5	1190.8	1181.5	1042.9	927.7
14330.1	67.5°	10186.4	5135.2	1404.1	1046.0	1081.8	1022.7	1091.2	1069.4	955.8	863.9
14711.5	70°	10281.4	4802.1	1148.8	946.4	990.0	932.4	991.6	951.1	857.7	795.4
14292.8	72.5°	9518.6	3991.1	904.4	842.1	879.5	832.8	884.2	837.5	751.8	723.8
12342.3	75°	7874.9	2994.9	695.8	728.5	756.5	720.7	755.0	720.7	642.9	663.1
9117.0	77.5°	5719.0	2022.0	532.4	608.6	621.1	602.4	632.0	593.1	523.0	518.3
4543.7	80°	2843.9	1184.6	417.2	481.0	476.3	463.9	498.1	479.4	420.3	445.2
1226.6	82.5°	823.4	507.5	303.5	337.8	328.4	331.6	356.5	365.8	547.9	543.3
381.4	85°	258.4	199.2	182.1	188.3	179.0	183.7	210.1	417.2	386.0	225.7
118.3	87.5°	66.9	68.5	45.1	48.3	49.8	59.2	66.9	253.7	121.4	79.4
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>
5311.1
5057.4
4512.6
3760.8
3177.0
2906.2
2711.6
2644.7
2624.4
2548.2
2420.5
2316.2
2218.2
2110.8
1990.9
1855.5
1643.8
1544.2
1606.4
1562.8
1383.8
1264.0
1204.8
1130.1
1058.5
986.9
921.5
857.7
783.0
700.5
605.5
495.0
440.5
555.7
244.4
84.1
0.0

F REPORT)