

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: P952144

Luminaire Tested: **GALN-SB6A-830-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952144
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-SB6A-830-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 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: 24294 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

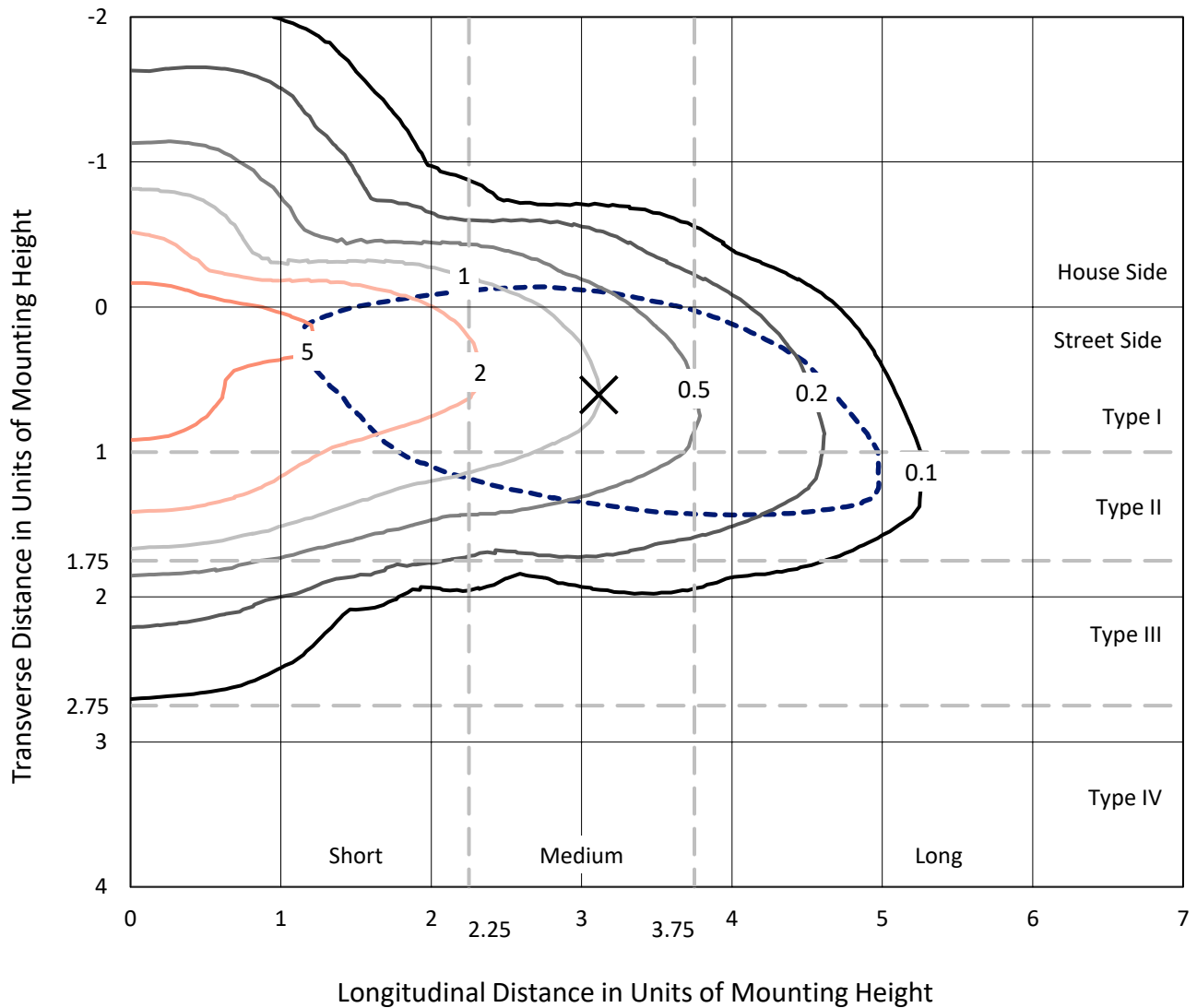
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952144
 CATALOG NUMBER: GALN-SB6A-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

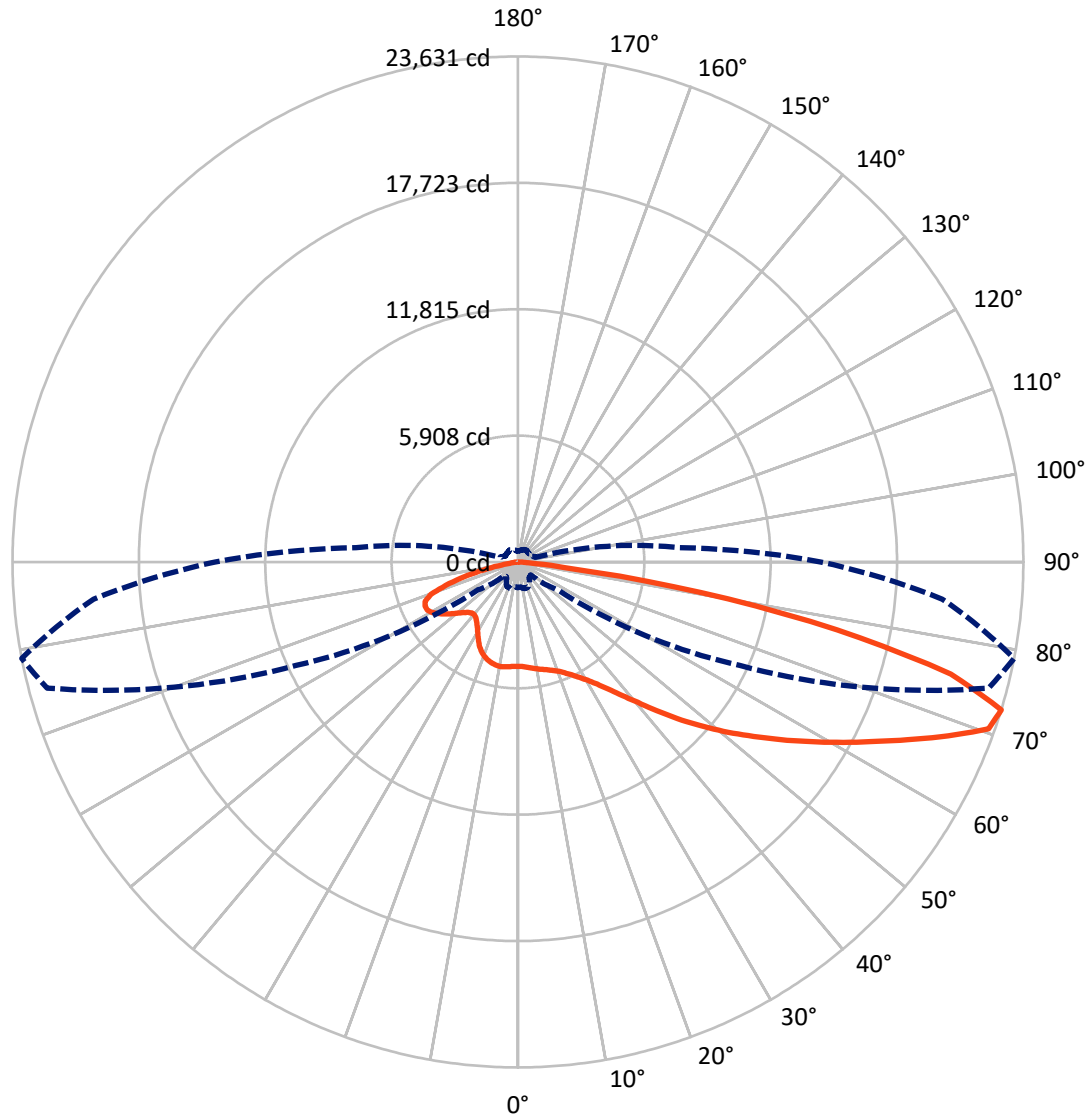
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P952144
CATALOG NUMBER: GALN-SB6A-830-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952144

CATALOG NUMBER: GALN-SB6A-830-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5346.0	0.0	5346.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	18948.0	0.0	18948.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	24294.0	0.0	24294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.7	1.8
10°-20°	1157.4	4.8
20°-30°	1867.5	7.7
30°-40°	2802.9	11.5
40°-50°	3976.0	16.4
50°-60°	5021.2	20.7
60°-70°	5099.7	21.0
70°-80°	3475.7	14.3
80°-90°	450.9	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°	24294.0	100.0
0°-180°	24294.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952144

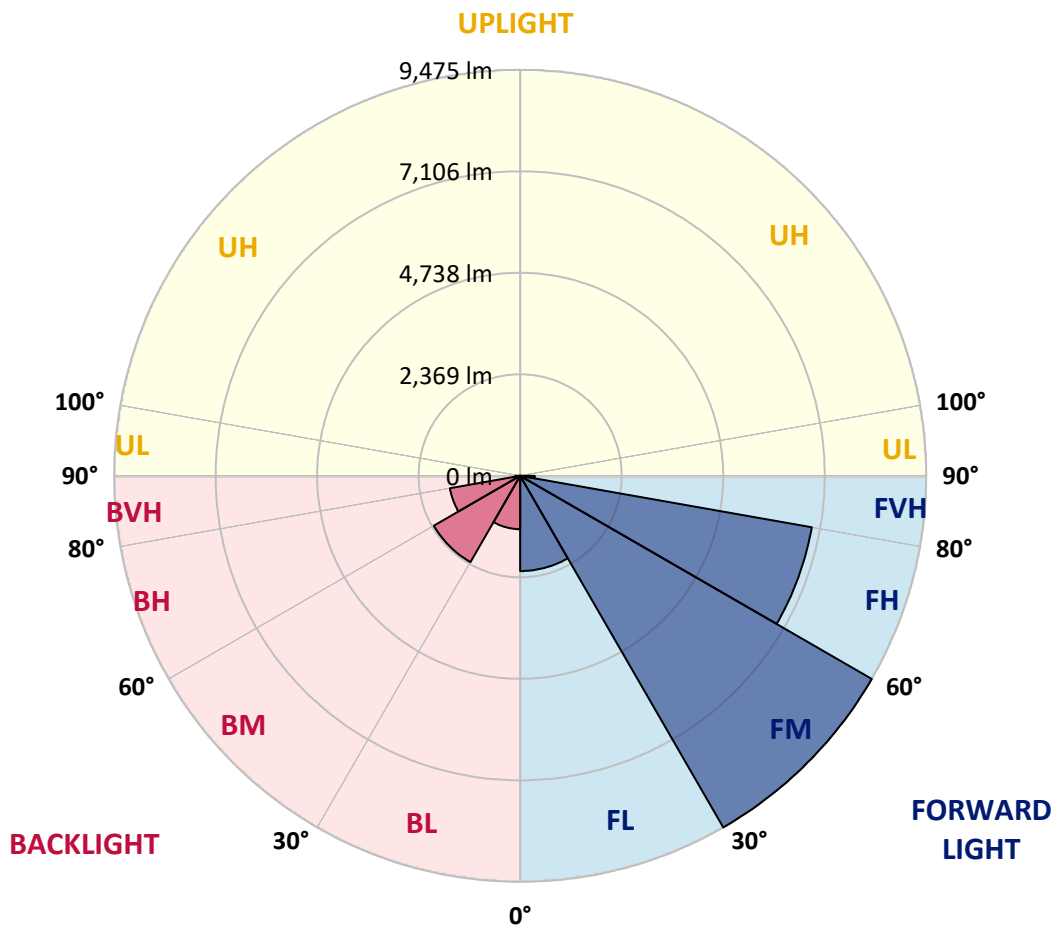
CATALOG NUMBER: GALN-SB6A-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2222.3	9.1			
FM (30°-60°)	9475.2	39.0			
FH (60°-80°)	6910.8	28.4			G3/7500
FVH (80°-90°)	339.7	1.4			G3/500
BL (0°-30°)	1245.2	5.1	B3/2500		
BM (30°-60°)	2324.9	9.6	B2/2500		
BH (60°-80°)	1664.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	111.2	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: P952144
 CATALOG NUMBER: GALN-SB6A-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8
2.5°	4879.4	4856.2	4870.4	4865.2	4871.6	4879.4	4881.9	4885.8	4898.6	4897.4
5°	4869.1	4845.9	4865.2	4858.8	4875.5	4893.5	4908.9	4923.1	4943.6	4952.6
7.5°	4847.2	4831.8	4851.1	4870.4	4901.2	4928.2	4950.0	4982.2	5011.7	5016.9
10°	4720.0	4708.4	4753.4	4803.5	4888.4	4961.6	5009.2	5046.4	5078.5	5083.7
12.5°	4587.7	4573.5	4623.6	4691.7	4829.2	4961.6	5061.8	5110.7	5138.9	5155.6
15°	4565.8	4554.2	4582.5	4641.6	4756.0	4926.9	5097.8	5187.8	5212.2	5231.5
17.5°	4671.2	4649.3	4660.9	4681.5	4748.3	4894.8	5126.1	5275.2	5312.4	5333.0
20°	4915.3	4884.5	4866.5	4825.4	4813.8	4899.9	5123.5	5380.5	5429.4	5455.1
22.5°	5240.5	5219.9	5181.3	5077.3	4964.2	4962.9	5172.4	5515.5	5606.7	5631.1
25°	5633.7	5602.8	5554.0	5412.7	5195.5	5087.5	5254.6	5687.7	5840.6	5847.0
27.5°	6086.0	6039.8	5972.9	5786.6	5493.6	5282.9	5380.5	5885.6	6109.2	6106.6
30°	6562.8	6516.5	6445.8	6219.7	5850.9	5546.3	5555.3	6098.9	6427.9	6413.7
32.5°	6911.0	6876.3	6862.2	6687.4	6262.1	5857.3	5755.8	6335.3	6821.1	6808.2
35°	7178.3	7133.3	7150.1	7061.4	6710.6	6205.5	6001.2	6616.8	7299.1	7297.8
37.5°	7443.0	7403.2	7417.3	7358.2	7125.6	6647.6	6300.6	6961.2	7891.5	7919.8
40°	7684.6	7642.2	7698.8	7643.5	7448.2	7117.9	6641.2	7350.5	8577.8	8631.7
42.5°	7829.8	7796.4	7890.2	7891.5	7728.3	7515.0	7015.1	7779.7	9371.9	9492.7
45°	7880.0	7868.4	8009.8	8039.3	7976.3	7745.0	7351.8	8247.5	10227.8	10443.7
47.5°	7826.0	7804.1	7999.5	8108.7	8158.8	7853.0	7630.7	8753.8	11101.6	11417.7
50°	7553.6	7511.2	7801.6	8031.6	8210.2	7923.7	7912.1	9338.5	12095.0	12440.6
52.5°	7064.0	7031.8	7362.1	7761.7	8097.1	7958.4	8228.2	9977.2	13038.2	13485.4
55°	6438.1	6395.7	6759.4	7281.1	7815.7	7946.8	8544.3	10691.7	14151.0	14604.7
57.5°	5446.1	5361.3	5821.3	6438.1	7356.9	7932.7	8873.3	11402.3	15281.9	15825.5
60°	3999.1	3873.2	4437.3	5168.5	6460.0	7795.2	9280.7	12199.0	16638.9	17128.5
62.5°	2328.5	2255.3	2624.1	3306.5	4869.1	6985.6	9509.4	13125.6	17972.8	18486.8
65°	1808.1	1787.5	1819.6	1872.3	2710.2	5230.2	8803.9	14029.0	19669.1	20028.9
67.5°	1653.9	1638.4	1652.6	1553.6	1375.0	2913.2	6965.0	14257.7	21486.1	21704.6
70°	1470.1	1452.1	1498.4	1413.6	1082.0	1324.9	4500.3	13427.6	22931.8	23341.8
72.5°	1197.7	1177.1	1285.1	1246.5	911.1	850.7	2260.4	11455.0	22780.2	23630.9
75°	920.1	908.5	1037.0	1069.2	742.8	669.5	1084.6	8514.8	20046.9	20904.0
77.5°	714.5	705.5	771.0	888.0	598.8	519.2	666.9	5401.1	15107.1	15257.5
80°	535.9	510.2	570.6	687.5	466.5	379.1	452.3	3149.7	9549.3	8656.1
82.5°	335.4	322.5	372.7	458.8	329.0	260.9	294.3	1740.0	3826.9	2254.0
85°	191.5	186.3	203.0	262.2	178.6	150.4	168.3	768.5	699.1	480.6
87.5°	77.1	74.5	92.5	116.9	65.5	55.3	59.1	185.0	154.2	142.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952144
 CATALOG NUMBER: GALN-SB6A-830-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4876.8	0°	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8	4876.8
4896.1	2.5°	4890.9	4890.9	4872.9	4844.7	4812.5	4792.0	4758.6	4749.6	4714.9	4704.6
4939.8	5°	4950.0	4939.8	4884.5	4804.8	4695.6	4595.4	4484.8	4415.5	4317.8	4283.1
5025.9	7.5°	5024.6	4996.3	4901.2	4726.4	4497.7	4272.8	4038.9	3861.6	3692.0	3631.6
5096.5	10°	5092.7	5052.8	4890.9	4585.1	4189.3	3799.9	3427.2	3166.4	2968.5	2887.5
5174.9	12.5°	5160.8	5087.5	4822.8	4349.9	3751.1	3222.9	2825.8	2622.8	2500.7	2403.1
5239.2	15°	5225.0	5122.2	4717.4	4035.1	3270.5	2734.6	2441.6	2279.7	2182.0	2117.8
5333.0	17.5°	5299.6	5151.8	4559.4	3635.4	2813.0	2396.6	2157.6	2059.9	2040.7	2033.0
5461.5	20°	5403.7	5178.8	4351.2	3188.2	2476.3	2126.8	2003.4	1994.4	1993.1	1989.3
5615.7	22.5°	5515.5	5210.9	4076.2	2782.1	2189.7	1958.4	1936.6	1918.6	1907.0	1905.7
5802.0	25°	5647.8	5221.2	3731.8	2449.3	1945.6	1878.8	1853.1	1826.1	1818.4	1818.4
6014.1	27.5°	5776.3	5186.5	3330.9	2160.2	1808.1	1805.5	1772.1	1763.1	1761.8	1765.7
6255.7	30°	5904.8	5121.0	2932.5	1892.9	1728.4	1728.4	1716.8	1723.3	1728.4	1741.3
6587.2	32.5°	6078.3	5051.6	2599.7	1695.0	1659.0	1646.2	1657.7	1670.6	1675.7	1692.4
7022.8	35°	6332.8	5002.7	2334.9	1587.0	1587.0	1570.3	1576.8	1574.2	1562.6	1554.9
7549.7	37.5°	6669.4	5000.2	2116.5	1536.9	1526.6	1524.1	1525.4	1508.7	1463.7	1409.7
8187.1	40°	7074.2	5069.5	1948.1	1502.2	1494.5	1509.9	1502.2	1457.3	1333.9	1240.1
8971.0	42.5°	7617.8	5267.4	1840.2	1459.8	1483.0	1502.2	1471.4	1315.9	1232.4	1169.4
9864.1	45°	8257.8	5588.7	1784.9	1414.8	1461.1	1484.2	1335.2	1267.1	1200.2	1124.4
10838.2	47.5°	8982.5	5993.5	1772.1	1372.4	1412.3	1426.4	1277.3	1246.5	1170.7	1088.4
11817.4	50°	9771.6	6472.8	1806.8	1322.3	1341.6	1292.8	1258.1	1229.8	1151.4	1070.5
12821.0	52.5°	10587.6	7001.0	1876.2	1254.2	1270.9	1216.9	1250.4	1225.9	1139.8	1030.6
13858.0	55°	11389.5	7533.0	1943.0	1174.5	1199.0	1148.8	1228.5	1210.5	1087.2	963.8
14964.5	57.5°	12204.2	8062.4	2008.5	1103.9	1129.6	1083.3	1193.8	1169.4	1028.0	902.1
16172.4	60°	13051.0	8576.5	2039.4	1035.8	1053.7	1022.9	1141.1	1098.7	961.2	839.1
17359.8	62.5°	13843.9	9004.4	1989.3	967.6	979.2	966.4	1071.7	1015.2	894.4	768.5
18597.3	65°	14639.4	9258.8	1835.1	900.8	903.4	897.0	974.1	925.2	816.0	706.8
19680.6	67.5°	15360.3	9401.5	1589.6	828.9	822.4	819.9	882.8	827.6	740.2	645.1
20504.4	70°	15513.2	9039.1	1214.4	744.0	744.0	737.6	782.6	726.1	656.7	579.6
19914.5	72.5°	14169.0	7603.7	862.3	647.7	657.9	645.1	682.4	634.8	571.9	520.4
17163.2	75°	11425.4	5575.9	627.1	548.7	566.7	544.9	579.6	546.1	492.2	490.9
11827.7	77.5°	7850.4	3447.8	454.9	452.3	465.2	436.9	476.8	458.8	409.9	388.1
5147.9	80°	3350.1	1375.0	331.5	349.5	349.5	323.8	370.1	375.2	332.8	322.5
993.3	82.5°	666.9	390.7	232.6	240.3	226.2	218.5	262.2	290.4	400.9	445.9
299.4	85°	200.5	143.9	140.1	131.1	115.7	116.9	154.2	291.7	359.8	205.6
98.9	87.5°	55.3	36.0	37.3	29.6	24.4	32.1	52.7	221.0	120.8	51.4
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>
4876.8
4721.3
4308.8
3639.3
2905.5
2435.2
2129.3
2038.1
2002.1
1919.9
1826.1
1775.9
1750.2
1706.6
1572.9
1411.0
1237.5
1166.8
1119.3
1082.0
1061.5
1022.9
957.4
899.5
835.3
767.2
699.1
637.4
577.0
505.0
442.1
363.7
322.5
447.2
177.3
43.7
0.0

F REPORT)