

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: P952291

Luminaire Tested: **GALN-SB6A-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952291
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-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 19592 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

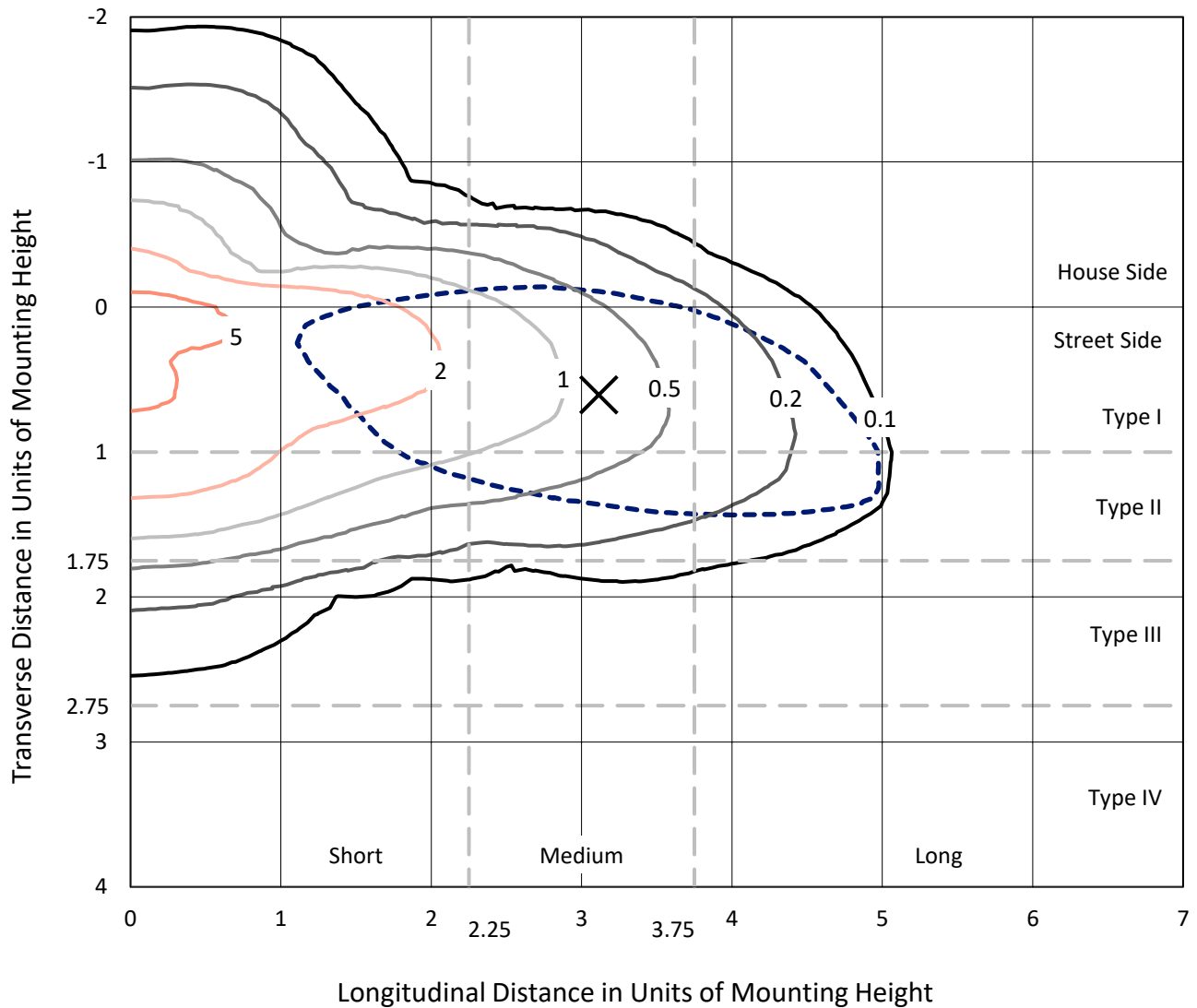
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952291
 CATALOG NUMBER: GALN-SB6A-940-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

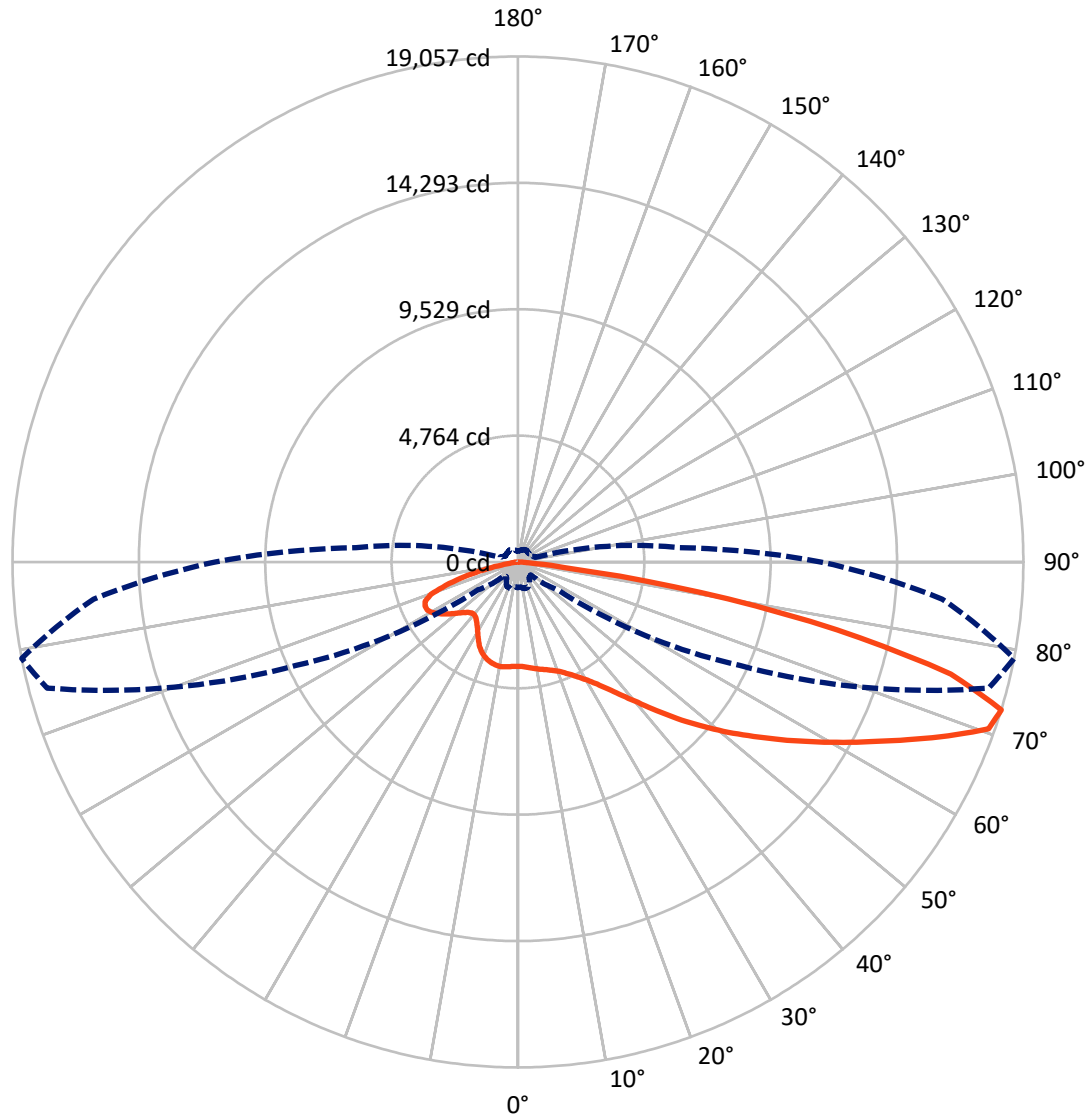
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P952291
CATALOG NUMBER: GALN-SB6A-940-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952291

CATALOG NUMBER: GALN-SB6A-940-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4311.3	0.0	4311.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	15280.7	0.0	15280.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	19592.0	0.0	19592.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.0	1.8
10°-20°	933.4	4.8
20°-30°	1506.1	7.7
30°-40°	2260.4	11.5
40°-50°	3206.5	16.4
50°-60°	4049.4	20.7
60°-70°	4112.7	21.0
70°-80°	2803.0	14.3
80°-90°	363.7	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°	19592.0	100.0
0°-180°	19592.0	100.0



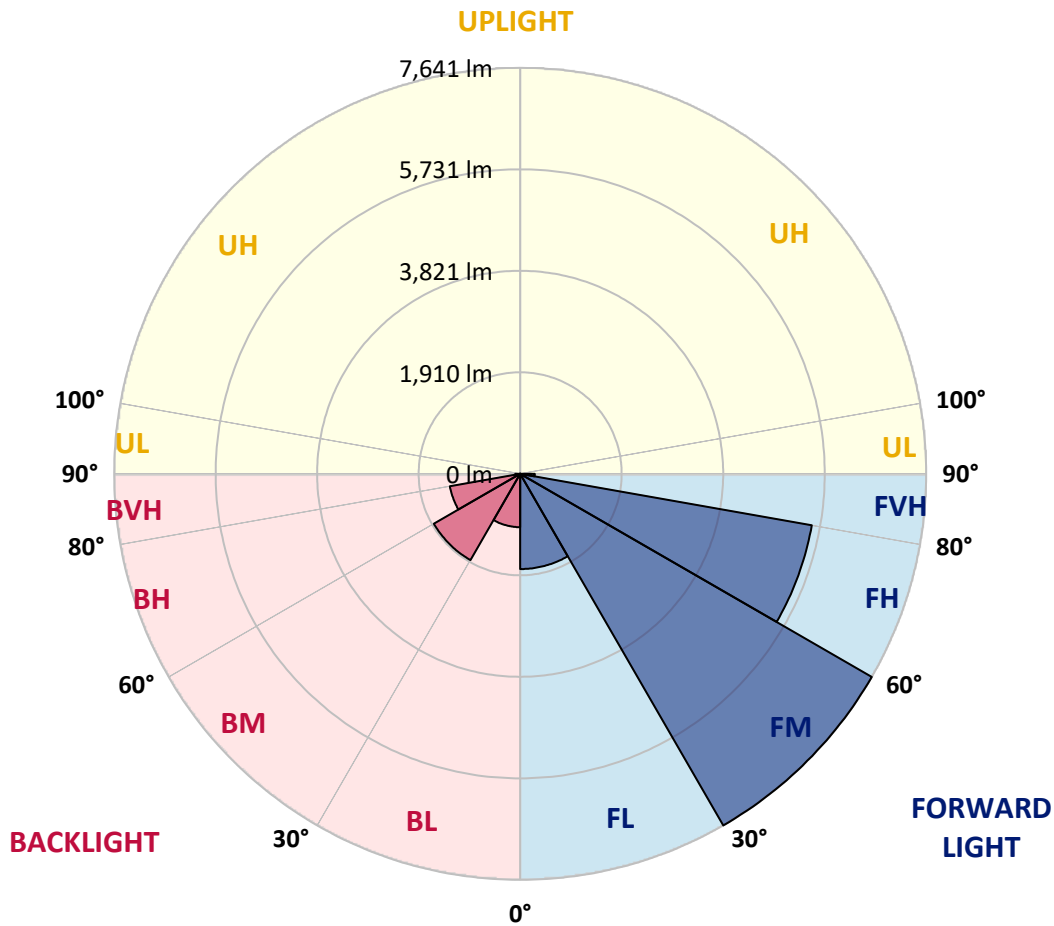
REPORT NUMBER: P952291
 CATALOG NUMBER: GALN-SB6A-940-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.2	9.1			
FM (30°-60°)	7641.3	39.0			
FH (60°-80°)	5573.3	28.4			G3/7500
FVH (80°-90°)	274.0	1.4			G3/500
BL (0°-30°)	1004.2	5.1	B3/2500		
BM (30°-60°)	1875.0	9.6	B2/2500		
BH (60°-80°)	1342.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	89.7	0.5			G1/100
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: P952291
 CATALOG NUMBER: GALN-SB6A-940-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9
2.5°	3935.0	3916.3	3927.7	3923.6	3928.8	3935.0	3937.1	3940.2	3950.5	3949.5
5°	3926.7	3908.0	3923.6	3918.4	3931.9	3946.4	3958.8	3970.2	3986.8	3994.1
7.5°	3909.1	3896.6	3912.2	3927.7	3952.6	3974.4	3992.0	4017.9	4041.7	4045.9
10°	3806.5	3797.1	3833.4	3873.8	3942.2	4001.3	4039.7	4069.7	4095.6	4099.8
12.5°	3699.7	3688.3	3728.7	3783.7	3894.6	4001.3	4082.1	4121.5	4144.3	4157.8
15°	3682.1	3672.8	3695.6	3743.3	3835.5	3973.3	4111.2	4183.7	4203.4	4218.9
17.5°	3767.1	3749.5	3758.8	3775.4	3829.3	3947.4	4134.0	4254.2	4284.2	4300.8
20°	3964.0	3939.1	3924.6	3891.5	3882.1	3951.6	4131.9	4339.2	4378.5	4399.3
22.5°	4226.2	4209.6	4178.5	4094.6	4003.4	4002.3	4171.3	4448.0	4521.5	4541.2
25°	4543.3	4518.4	4479.1	4365.1	4189.9	4102.9	4237.6	4586.8	4710.2	4715.3
27.5°	4908.1	4870.8	4816.9	4666.6	4430.4	4260.4	4339.2	4746.4	4926.8	4924.7
30°	5292.6	5255.3	5198.3	5015.9	4718.5	4472.8	4480.1	4918.5	5183.8	5172.4
32.5°	5573.4	5545.5	5534.1	5393.1	5050.1	4723.6	4641.8	5109.2	5500.9	5490.5
35°	5789.0	5752.7	5766.2	5694.7	5411.8	5004.5	4839.7	5336.1	5886.4	5885.4
37.5°	6002.5	5970.4	5981.8	5934.1	5746.5	5361.0	5081.2	5613.9	6364.2	6387.0
40°	6197.3	6163.1	6208.7	6164.1	6006.6	5740.3	5355.8	5927.9	6917.6	6961.1
42.5°	6314.4	6287.5	6363.1	6364.2	6232.5	6060.5	5657.4	6274.0	7558.0	7655.4
45°	6354.8	6345.5	6459.5	6483.3	6432.6	6246.0	5928.9	6651.2	8248.2	8422.3
47.5°	6311.3	6293.7	6451.2	6539.3	6579.7	6333.1	6153.8	7059.5	8952.9	9207.9
50°	6091.6	6057.4	6291.6	6477.1	6621.2	6390.1	6380.7	7531.1	9754.0	10032.8
52.5°	5696.8	5670.8	5937.2	6259.5	6530.0	6418.0	6635.7	8046.1	10514.7	10875.3
55°	5192.1	5157.9	5451.1	5871.9	6303.0	6408.7	6890.6	8622.3	11412.2	11778.0
57.5°	4392.0	4323.6	4694.6	5192.1	5933.0	6397.3	7155.9	9195.4	12324.1	12762.5
60°	3225.1	3123.5	3578.5	4168.2	5209.7	6286.4	7484.4	9838.0	13418.5	13813.4
62.5°	1877.8	1818.8	2116.2	2666.5	3926.7	5633.5	7668.9	10585.2	14494.2	14908.8
65°	1458.1	1441.5	1467.5	1509.9	2185.6	4217.9	7100.0	11313.7	15862.2	16152.4
67.5°	1333.8	1321.3	1332.7	1252.9	1108.9	2349.4	5617.0	11498.2	17327.6	17503.8
70°	1185.6	1171.1	1208.4	1140.0	872.6	1068.5	3629.3	10828.7	18493.5	18824.1
72.5°	965.9	949.3	1036.3	1005.2	734.8	686.1	1822.9	9237.9	18371.2	19057.2
75°	742.0	732.7	836.3	862.2	599.0	539.9	874.7	6866.8	16166.9	16858.1
77.5°	576.2	569.0	621.8	716.1	482.9	418.7	537.9	4355.7	12183.2	12304.5
80°	432.2	411.4	460.1	554.4	376.2	305.7	364.8	2540.1	7701.0	6980.8
82.5°	270.5	260.1	300.5	370.0	265.3	210.4	237.3	1403.2	3086.2	1817.7
85°	154.4	150.3	163.7	211.4	144.1	121.3	135.8	619.7	563.8	387.6
87.5°	62.2	60.1	74.6	94.3	52.9	44.6	47.7	149.2	124.4	115.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952291
 CATALOG NUMBER: GALN-SB6A-940-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3932.9	0°	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9	3932.9
3948.5	2.5°	3944.3	3944.3	3929.8	3907.0	3881.1	3864.5	3837.6	3830.3	3802.3	3794.0
3983.7	5°	3992.0	3983.7	3939.1	3874.9	3786.8	3705.9	3616.8	3560.9	3482.1	3454.1
4053.1	7.5°	4052.1	4029.3	3952.6	3811.7	3627.2	3445.8	3257.2	3114.2	2977.4	2928.7
4110.1	10°	4107.0	4074.9	3944.3	3697.7	3378.5	3064.5	2763.9	2553.5	2393.9	2328.7
4173.3	12.5°	4161.9	4102.9	3889.4	3508.0	3025.1	2599.1	2278.9	2115.2	2016.7	1938.0
4225.2	15°	4213.8	4130.8	3804.4	3254.1	2637.5	2205.3	1969.0	1838.5	1759.7	1707.9
4300.8	17.5°	4273.9	4154.7	3676.9	2931.8	2268.5	1932.8	1740.0	1661.3	1645.7	1639.5
4404.4	20°	4357.8	4176.4	3509.0	2571.2	1997.0	1715.1	1615.7	1608.4	1607.4	1604.3
4528.8	22.5°	4448.0	4202.4	3287.3	2243.7	1765.9	1579.4	1561.8	1547.3	1537.9	1536.9
4679.1	25°	4554.7	4210.6	3009.5	1975.3	1569.0	1515.1	1494.4	1472.6	1466.4	1466.4
4850.1	27.5°	4658.3	4182.7	2686.2	1742.1	1458.1	1456.1	1429.1	1421.9	1420.8	1423.9
5044.9	30°	4762.0	4129.8	2364.9	1526.5	1393.9	1393.9	1384.5	1389.7	1393.9	1404.2
5312.3	32.5°	4901.9	4073.8	2096.5	1366.9	1337.9	1327.6	1336.9	1347.2	1351.4	1364.9
5663.6	35°	5107.1	4034.5	1883.0	1279.9	1279.9	1266.4	1271.6	1269.5	1260.2	1254.0
6088.5	37.5°	5378.6	4032.4	1706.9	1239.5	1231.2	1229.1	1230.1	1216.7	1180.4	1136.9
6602.5	40°	5705.0	4088.4	1571.1	1211.5	1205.3	1217.7	1211.5	1175.2	1075.7	1000.1
7234.7	42.5°	6143.4	4248.0	1484.0	1177.3	1195.9	1211.5	1186.6	1061.2	993.8	943.1
7954.9	45°	6659.5	4507.0	1439.5	1141.0	1178.3	1197.0	1076.8	1021.8	967.9	906.8
8740.5	47.5°	7244.0	4833.5	1429.1	1106.8	1138.9	1150.3	1030.1	1005.2	944.1	877.8
9530.2	50°	7880.3	5220.0	1457.1	1066.4	1081.9	1042.6	1014.6	991.8	928.6	863.3
10339.6	52.5°	8538.4	5646.0	1513.1	1011.5	1024.9	981.4	1008.4	988.7	919.2	831.1
11175.9	55°	9185.1	6075.0	1566.9	947.2	966.9	926.5	990.7	976.2	876.7	777.3
12068.2	57.5°	9842.1	6502.0	1619.8	890.2	910.9	873.6	962.8	943.1	829.1	727.5
13042.3	60°	10525.1	6916.5	1644.7	835.3	849.8	824.9	920.3	886.1	775.2	676.7
13999.9	62.5°	11164.5	7261.6	1604.3	780.4	789.7	779.3	864.3	818.7	721.3	619.7
14997.9	65°	11806.0	7466.8	1479.9	726.5	728.5	723.4	785.5	746.2	658.1	570.0
15871.5	67.5°	12387.4	7581.9	1282.0	668.4	663.3	661.2	712.0	667.4	596.9	520.2
16535.8	70°	12510.7	7289.6	979.3	600.0	600.0	594.9	631.1	585.5	529.6	467.4
16060.2	72.5°	11426.7	6132.0	695.4	522.3	530.6	520.2	550.3	512.0	461.2	419.7
13841.3	75°	9214.1	4496.7	505.7	442.5	457.0	439.4	467.4	440.4	396.9	395.9
9538.5	77.5°	6331.0	2780.5	366.9	364.8	375.2	352.4	384.5	370.0	330.6	313.0
4151.6	80°	2701.7	1108.9	267.4	281.9	281.9	261.2	298.5	302.6	268.4	260.1
801.1	82.5°	537.9	315.0	187.6	193.8	182.4	176.2	211.4	234.2	323.3	359.6
241.5	85°	161.7	116.1	113.0	105.7	93.3	94.3	124.4	235.2	290.2	165.8
79.8	87.5°	44.6	29.0	30.1	23.8	19.7	25.9	42.5	178.3	97.4	41.5
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>
3932.9
3807.5
3474.8
2934.9
2343.2
1963.9
1717.2
1643.6
1614.6
1548.3
1472.6
1432.2
1411.5
1376.3
1268.5
1137.9
998.0
941.0
902.7
872.6
856.0
824.9
772.1
725.4
673.6
618.7
563.8
514.0
465.3
407.3
356.5
293.3
260.1
360.6
143.0
35.2
0.0

F REPORT)