

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: P949382

Luminaire Tested: **GALN-SB4A-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11090 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

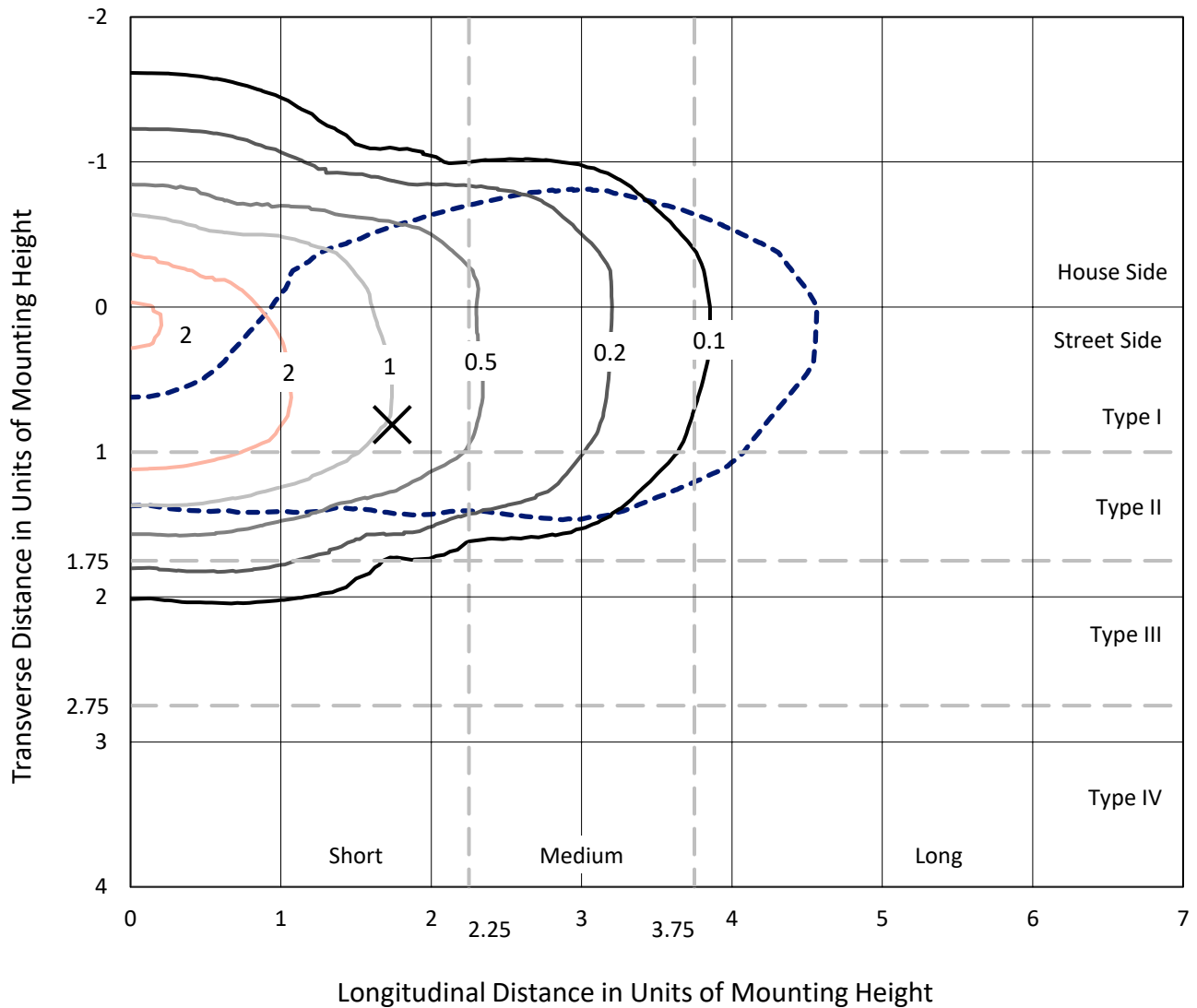
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P949382
 CATALOG NUMBER: GALN-SB4A-927-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

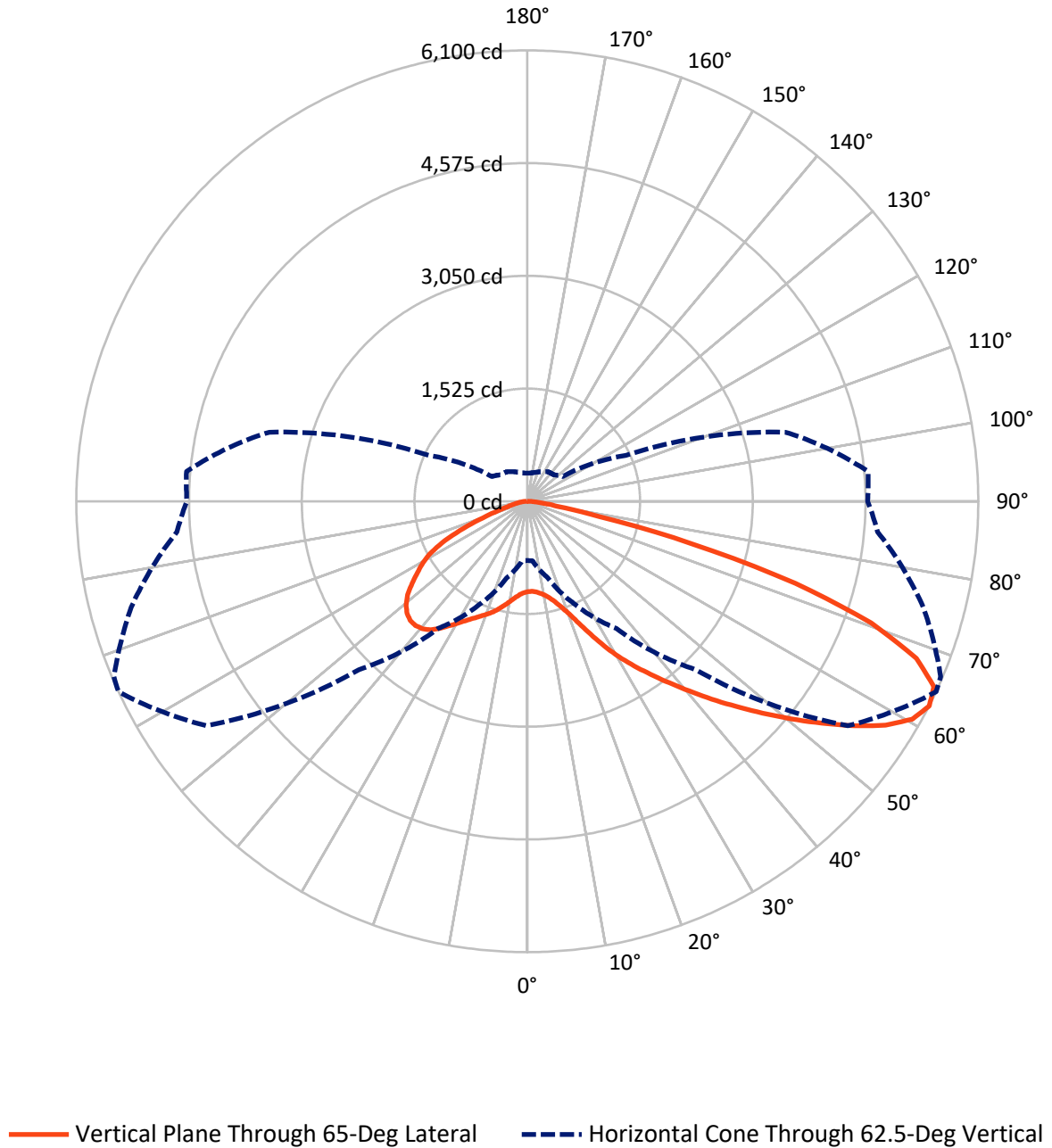
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

REPORT NUMBER: P949382
CATALOG NUMBER: GALN-SB4A-927-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P949382
 CATALOG NUMBER: GALN-SB4A-927-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3499.5	0.0	3499.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	7590.5	0.0	7590.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	11090.0	0.0	11090.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	1.1
10°-20°	413.2	3.7
20°-30°	837.7	7.6
30°-40°	1449.7	13.1
40°-50°	2193.8	19.8
50°-60°	2572.1	23.2
60°-70°	2156.4	19.4
70°-80°	1190.5	10.7
80°-90°	154.6	1.4
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°	11090.0	100.0
0°-180°	11090.0	100.0

Coefficient of Utilization



REPORT NUMBER: P949382

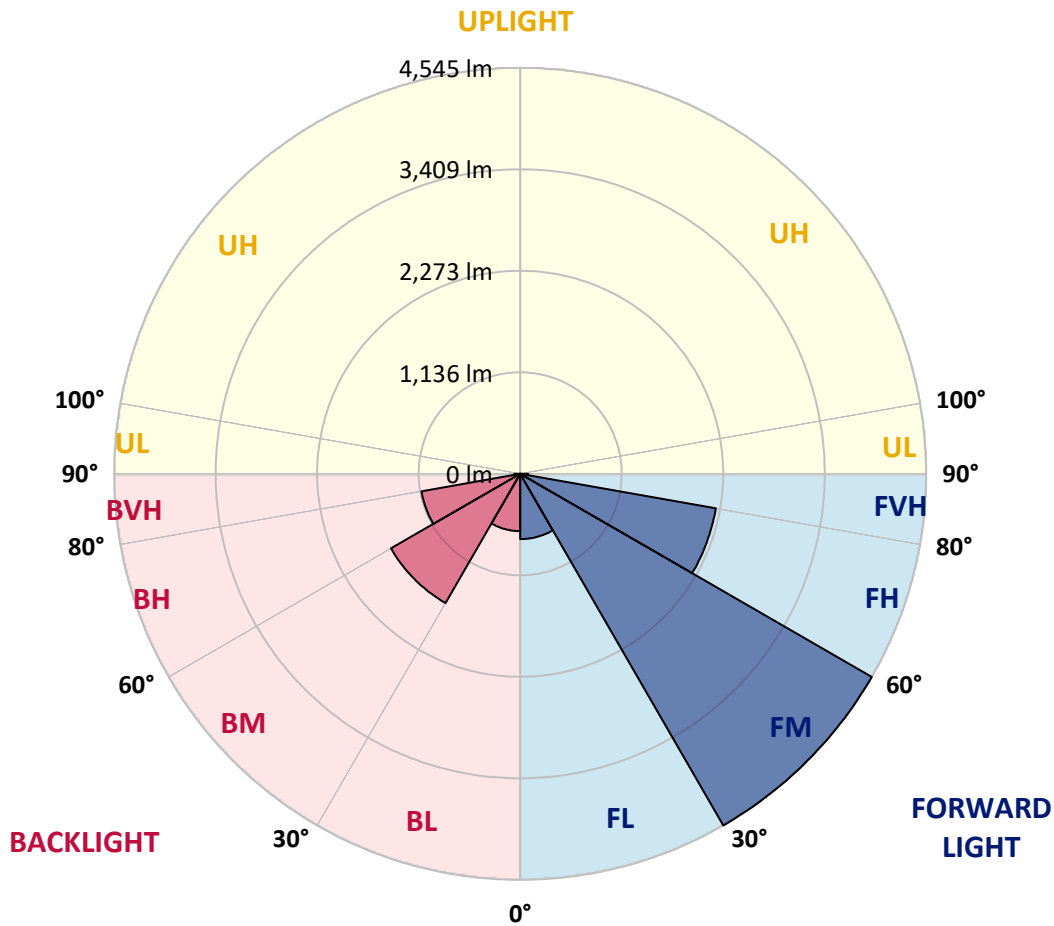
CATALOG NUMBER: GALN-SB4A-927-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.0	6.6			
FM (30°-60°)	4545.0	41.0			
FH (60°-80°)	2224.3	20.1			G2/5000
FVH (80°-90°)	90.1	0.8			G1/100
BL (0°-30°)	641.8	5.8	B2/1000		
BM (30°-60°)	1670.6	15.1	B2/2500		
BH (60°-80°)	1122.6	10.1	B3/2500		G3/2500
BVH (80°-90°)	64.5	0.6			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 Short



REPORT NUMBER: P949382

CATALOG NUMBER: GALN-SB4A-927-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1
2.5°	1214.0	1210.6	1213.4	1213.4	1214.6	1214.0	1218.0	1219.2	1220.9	1224.4
5°	1201.9	1201.4	1206.5	1211.1	1215.7	1219.8	1224.9	1232.4	1233.6	1237.6
7.5°	1197.9	1194.5	1202.5	1208.3	1219.2	1229.0	1242.8	1255.4	1260.6	1262.3
10°	1229.0	1223.2	1230.7	1234.2	1243.4	1253.1	1269.2	1289.4	1295.1	1302.0
12.5°	1281.9	1275.6	1286.5	1291.7	1300.3	1308.9	1319.9	1339.4	1342.3	1355.0
15°	1354.4	1346.9	1353.8	1360.2	1374.5	1382.6	1393.5	1412.5	1412.5	1422.3
17.5°	1452.8	1443.0	1448.2	1450.5	1459.7	1471.8	1490.2	1506.9	1515.5	1512.1
20°	1599.5	1587.4	1587.4	1575.9	1572.5	1582.2	1606.4	1629.4	1638.6	1620.8
22.5°	1819.9	1802.6	1792.8	1753.7	1738.2	1739.3	1763.5	1791.7	1799.2	1767.5
25°	2100.1	2073.0	2059.8	2002.3	1967.2	1936.7	1955.7	1991.9	2002.3	1963.1
27.5°	2380.3	2382.0	2369.3	2300.3	2242.2	2186.4	2176.6	2214.6	2225.5	2181.2
30°	2773.2	2732.4	2708.2	2625.4	2542.5	2464.3	2424.0	2439.5	2442.4	2389.5
32.5°	3112.1	3101.8	3050.0	2977.5	2871.1	2748.5	2681.2	2656.4	2651.8	2576.5
35°	3498.2	3492.5	3437.8	3351.5	3236.4	3066.1	2944.7	2873.9	2868.2	2762.3
37.5°	3890.6	3890.6	3837.1	3742.7	3623.6	3410.7	3226.1	3113.9	3095.5	2957.4
40°	4203.6	4184.6	4194.4	4154.7	4018.3	3792.2	3538.5	3375.7	3350.9	3185.2
42.5°	4381.4	4375.1	4433.7	4478.0	4422.2	4241.6	3882.5	3659.3	3624.8	3436.1
45°	4421.1	4414.2	4518.9	4681.1	4759.4	4685.2	4256.5	3957.9	3915.9	3698.4
47.5°	4329.6	4315.8	4469.4	4725.5	4976.3	5106.9	4661.6	4281.8	4220.9	3953.9
50°	4054.6	4041.3	4273.8	4613.8	5049.4	5393.4	5101.2	4625.3	4532.1	4227.8
52.5°	3456.8	3463.1	3827.3	4294.5	4953.3	5571.8	5479.8	4987.2	4875.0	4508.0
55°	2692.7	2706.5	3154.1	3668.5	4569.0	5544.8	5738.1	5360.1	5248.5	4771.5
57.5°	1928.0	1989.0	2408.5	2917.7	3830.8	5116.1	5794.5	5714.5	5606.3	5059.2
60°	1249.7	1260.6	1692.1	2205.4	2917.1	4354.3	5680.0	5983.2	5898.6	5352.6
62.5°	800.9	808.4	1071.3	1542.5	2099.5	3221.5	5294.5	6100.0	6074.1	5546.5
65°	588.6	582.8	719.8	1019.5	1414.2	1986.7	4545.9	6043.6	6094.8	5667.9
67.5°	491.4	483.3	550.6	706.0	1042.0	1128.3	3363.6	5677.1	5864.7	5654.1
70°	447.6	440.7	481.6	524.2	813.0	755.5	1695.6	4935.5	5224.3	5497.0
72.5°	379.2	367.1	422.9	465.5	632.3	579.4	700.8	3791.1	4143.2	4993.6
75°	294.0	286.0	333.7	409.7	475.2	452.2	443.0	2302.0	2686.4	3861.8
77.5°	233.0	222.1	265.8	319.3	427.5	341.2	322.8	991.3	1372.2	2465.4
80°	175.5	165.7	202.0	252.6	328.5	257.2	208.9	404.5	517.3	1249.1
82.5°	124.9	116.2	141.0	185.3	220.9	230.7	128.3	226.7	254.9	481.6
85°	80.0	74.8	94.4	116.2	140.4	148.4	78.2	118.5	130.0	198.5
87.5°	43.7	35.7	50.6	54.1	65.0	59.3	37.4	43.2	46.6	71.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949382
 CATALOG NUMBER: GALN-SB4A-927-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1222.1	0°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1
1224.4	2.5°	1226.7	1228.4	1234.2	1235.9	1239.9	1245.1	1248.5	1252.0	1252.0	1255.4
1242.8	5°	1243.4	1247.4	1259.5	1265.8	1276.2	1286.5	1292.8	1300.3	1304.9	1307.2
1272.1	7.5°	1275.6	1281.9	1299.2	1310.1	1327.9	1342.3	1352.1	1362.5	1364.8	1371.1
1313.0	10°	1319.3	1326.8	1346.3	1367.1	1388.3	1406.2	1415.4	1422.9	1425.7	1426.9
1365.3	12.5°	1369.4	1380.3	1405.6	1430.9	1453.4	1468.9	1471.2	1469.5	1461.4	1454.5
1429.8	15°	1430.9	1440.7	1468.9	1496.5	1518.4	1521.3	1506.9	1497.7	1487.9	1486.2
1501.7	17.5°	1504.6	1509.8	1535.6	1562.7	1564.4	1554.6	1533.3	1524.7	1515.5	1509.2
1595.5	20°	1590.3	1588.6	1607.0	1618.5	1606.4	1576.5	1544.3	1529.9	1520.7	1513.2
1710.6	22.5°	1692.7	1679.5	1677.2	1674.3	1642.1	1579.4	1535.6	1517.2	1502.8	1492.5
1871.1	25°	1841.7	1791.1	1756.0	1736.4	1663.9	1563.8	1508.0	1467.2	1440.1	1422.3
2067.3	27.5°	2028.2	1943.0	1854.4	1806.6	1663.9	1532.2	1441.3	1375.1	1330.8	1312.4
2257.1	30°	2205.9	2116.8	1986.2	1891.2	1659.9	1480.4	1333.7	1241.6	1189.8	1171.4
2419.4	32.5°	2357.8	2260.6	2126.0	1983.8	1650.1	1396.4	1200.2	1098.4	1048.3	1026.4
2579.9	35°	2498.8	2395.2	2266.4	2085.7	1624.2	1273.3	1053.5	975.8	920.0	884.9
2743.3	37.5°	2643.2	2520.1	2399.3	2177.7	1577.6	1129.4	940.7	874.6	809.0	761.8
2917.1	40°	2800.3	2653.0	2541.4	2232.4	1501.1	992.5	853.3	792.8	723.2	673.2
3117.3	42.5°	2983.8	2812.4	2699.6	2260.6	1396.4	895.3	796.3	737.0	671.4	630.6
3331.9	45°	3175.4	2987.9	2844.0	2260.0	1279.6	849.8	777.9	719.2	646.7	604.1
3552.3	47.5°	3376.2	3171.4	2968.9	2223.2	1178.3	856.1	767.5	680.7	600.7	559.3
3775.0	50°	3577.6	3372.2	3089.7	2154.2	1135.2	842.3	729.0	626.6	532.2	494.8
3983.8	52.5°	3777.3	3585.7	3193.8	2055.8	1091.5	791.1	679.5	556.4	504.0	478.1
4199.6	55°	3978.1	3796.8	3307.2	1912.5	982.1	731.3	596.7	529.9	481.6	458.0
4410.7	57.5°	4179.4	4040.8	3414.8	1769.2	844.6	657.6	551.2	497.7	459.1	439.0
4587.4	60°	4388.9	4319.8	3525.8	1637.5	708.8	563.3	517.8	471.8	432.7	410.2
4757.1	62.5°	4604.6	4627.1	3612.7	1467.7	584.0	505.7	487.9	440.7	402.8	381.5
4897.5	65°	4822.1	4923.4	3669.7	1232.4	473.5	451.1	455.7	406.8	368.2	349.8
5000.5	67.5°	4986.1	5136.8	3653.6	932.7	388.4	399.3	415.4	371.1	334.9	320.5
4983.8	70°	5004.5	5111.5	3494.8	638.7	325.1	348.7	370.5	336.0	298.6	288.3
4749.0	72.5°	4759.4	4766.3	3052.3	417.1	275.0	306.1	323.4	300.3	264.1	253.7
4154.7	75°	4116.7	3941.8	2241.0	275.0	230.1	262.9	279.1	262.9	227.8	230.1
3108.7	77.5°	3119.0	2791.7	1360.7	195.6	192.2	220.9	242.8	231.3	201.4	226.1
1563.3	80°	1607.0	1510.3	607.0	146.1	151.9	176.6	199.7	184.7	159.4	151.9
349.2	82.5°	368.2	428.1	239.4	104.7	109.9	127.2	152.5	138.7	114.5	96.7
145.6	85°	128.9	141.0	105.9	65.6	64.4	79.4	103.6	92.6	77.7	62.1
61.6	87.5°	40.9	53.5	39.7	26.5	27.6	35.7	47.8	43.7	36.2	23.6
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>
1222.1
1255.4
1308.4
1368.8
1424.0
1454.5
1486.2
1509.8
1513.8
1495.9
1429.2
1321.6
1182.4
1037.4
896.4
774.4
683.0
638.7
611.0
565.0
497.1
478.1
455.7
435.5
408.5
380.9
349.2
321.1
288.8
253.2
222.1
199.1
138.7
95.5
65.6
24.7
0.0

F REPORT)