

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: P940879

Luminaire Tested: **GALN-SB4A-927-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
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-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10816 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

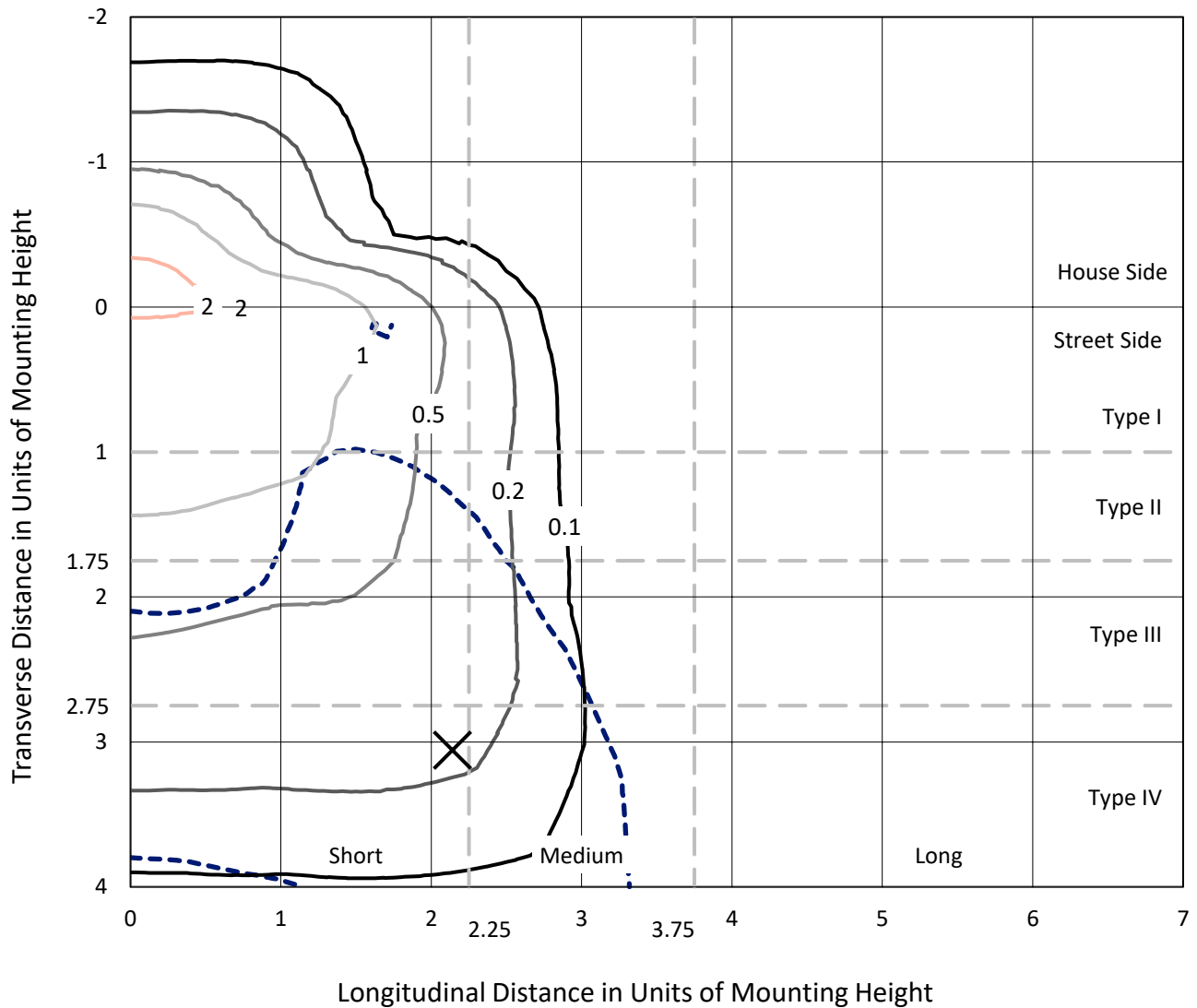
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940879
 CATALOG NUMBER: GALN-SB4A-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

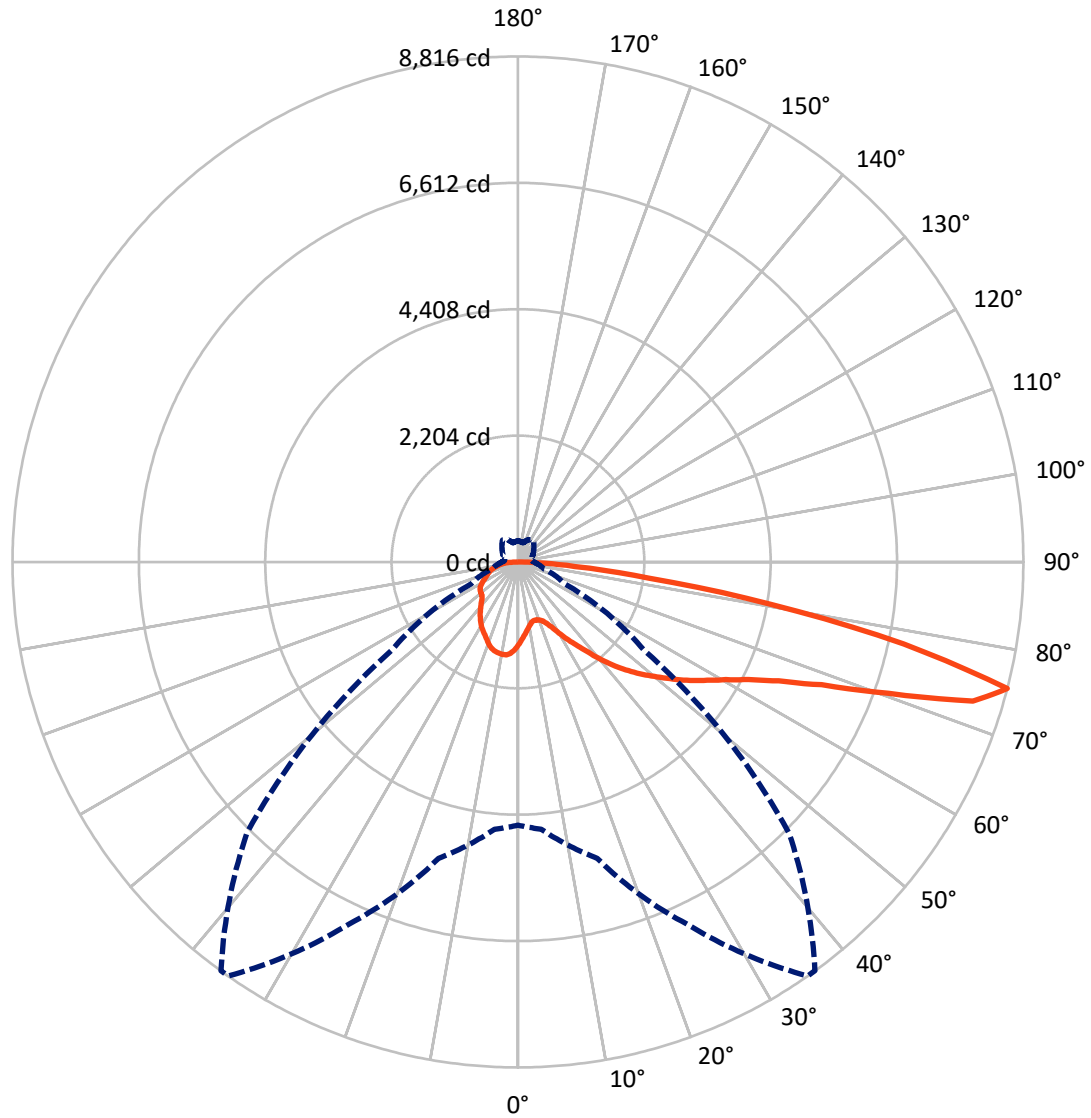
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P940879
CATALOG NUMBER: GALN-SB4A-927-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P940879

CATALOG NUMBER: GALN-SB4A-927-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2574.0	0.0	2574.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8242.1	0.0	8242.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	10816.0	0.0	10816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.3
10°-20°	393.6	3.6
20°-30°	661.0	6.1
30°-40°	1027.3	9.5
40°-50°	1524.7	14.1
50°-60°	2105.0	19.5
60°-70°	2553.8	23.6
70°-80°	2110.6	19.5
80°-90°	303.6	2.8
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°	10816.0	100.0
0°-180°	10816.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940879

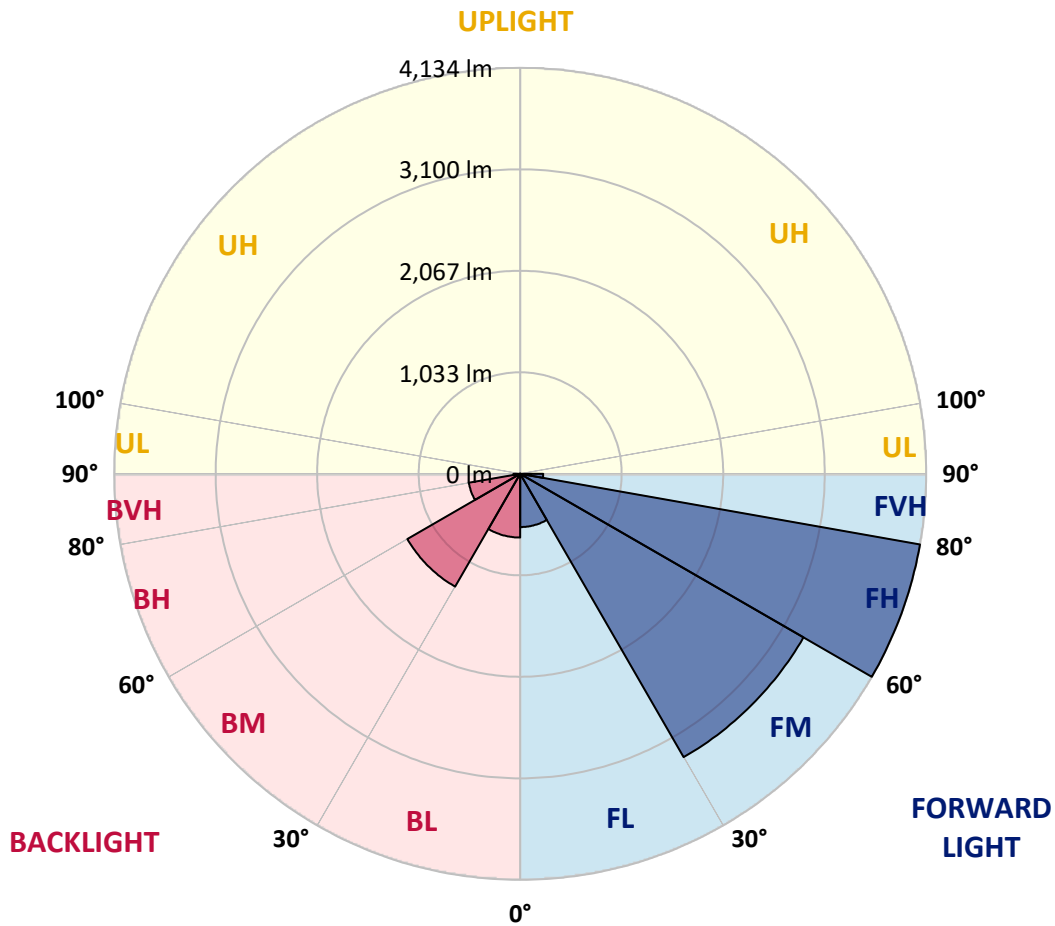
CATALOG NUMBER: GALN-SB4A-927-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.4	5.0			
FM (30°-60°)	3330.7	30.8			
FH (60°-80°)	4133.7	38.2			G2/5000
FVH (80°-90°)	235.2	2.2			G3/500
BL (0°-30°)	648.7	6.0	B2/1000		
BM (30°-60°)	1326.3	12.3	B2/2500		
BH (60°-80°)	530.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	68.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P940879

CATALOG NUMBER: GALN-SB4A-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3
2.5°	1329.0	1337.2	1340.7	1339.0	1347.8	1346.6	1358.9	1374.1	1395.1	1415.6
5°	1226.7	1235.5	1243.1	1250.1	1267.1	1272.3	1291.6	1320.9	1359.4	1398.6
7.5°	1131.4	1139.0	1150.7	1163.6	1192.2	1197.5	1229.6	1275.2	1329.0	1386.3
10°	1053.6	1061.2	1073.5	1088.1	1123.8	1130.2	1171.2	1232.0	1302.1	1374.6
12.5°	1020.3	1022.7	1029.7	1044.3	1075.3	1079.4	1124.4	1194.0	1275.8	1365.9
15°	1018.6	1023.2	1023.8	1031.4	1057.2	1058.9	1100.4	1169.4	1259.5	1364.1
17.5°	1036.1	1039.6	1034.3	1039.0	1060.7	1063.6	1096.3	1157.7	1254.2	1371.7
20°	1082.9	1085.8	1070.0	1063.6	1079.4	1081.7	1113.9	1165.3	1259.5	1387.5
22.5°	1182.3	1184.0	1145.4	1119.1	1120.3	1121.5	1149.5	1196.3	1279.9	1416.2
25°	1337.2	1336.1	1274.7	1223.8	1194.6	1188.1	1206.8	1246.6	1314.4	1454.2
27.5°	1518.5	1509.7	1448.3	1372.3	1308.6	1299.2	1295.1	1312.1	1363.5	1504.5
30°	1723.1	1714.9	1648.9	1549.5	1461.2	1446.0	1407.4	1398.6	1436.6	1572.9
32.5°	1947.7	1942.4	1863.5	1743.0	1624.9	1607.4	1542.5	1519.1	1548.9	1676.4
35°	2135.9	2131.3	2065.8	1941.8	1797.4	1775.8	1709.7	1683.4	1698.6	1809.1
37.5°	2306.1	2303.7	2247.6	2150.0	2000.9	1974.6	1900.3	1891.5	1888.6	1983.9
40°	2464.0	2458.1	2399.6	2348.2	2237.7	2213.7	2148.2	2140.6	2118.4	2199.1
42.5°	2638.8	2623.6	2538.8	2514.8	2485.0	2465.1	2426.0	2427.1	2378.0	2441.7
45°	2781.5	2772.7	2685.6	2671.5	2703.7	2695.5	2729.4	2738.2	2642.9	2696.1
47.5°	2934.6	2926.5	2852.8	2842.9	2930.0	2932.3	3052.2	3055.1	2901.3	2960.4
50°	3123.5	3111.8	3038.7	3051.0	3148.7	3157.4	3376.7	3356.8	3139.3	3228.8
52.5°	3248.1	3255.1	3239.3	3259.2	3392.5	3400.7	3695.9	3645.1	3374.9	3493.6
55°	3339.9	3353.9	3403.0	3448.6	3649.7	3657.9	3997.1	3919.3	3570.2	3739.2
57.5°	3458.0	3438.1	3529.9	3618.8	3894.2	3915.8	4290.0	4183.6	3743.3	3950.9
60°	3627.5	3613.5	3684.8	3816.4	4167.8	4202.3	4599.9	4421.6	3870.2	4118.7
62.5°	3971.3	3936.3	3947.4	4063.7	4512.8	4558.4	4949.6	4629.1	3933.3	4184.2
65°	4485.3	4425.1	4368.9	4449.6	4998.7	5043.7	5344.2	4792.3	3909.9	4057.3
67.5°	5132.6	5072.9	5003.9	5079.9	5714.4	5750.0	5831.3	4884.1	3725.8	3568.5
70°	5666.4	5644.2	5726.6	6039.4	6857.5	6858.6	6455.8	4808.1	3221.2	2530.0
72.5°	5595.7	5582.2	6016.6	6983.8	8298.2	8267.2	7046.9	4232.7	2169.9	1141.3
75°	4590.5	4677.7	5350.7	6966.8	8815.6	8811.5	6685.0	2690.8	897.5	473.0
77.5°	2461.6	2599.6	3473.8	5143.7	6882.0	6985.5	4699.9	941.4	385.3	302.9
80°	802.8	923.3	1384.6	2618.9	4471.8	4452.6	2014.3	369.5	263.7	214.6
82.5°	340.9	354.9	618.6	1236.7	2295.0	2259.3	641.4	212.2	185.4	146.8
85°	133.3	149.1	273.1	571.8	994.0	972.4	231.5	105.2	118.7	95.9
87.5°	43.9	53.2	97.6	195.9	309.3	298.2	56.7	36.3	51.5	43.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940879
 CATALOG NUMBER: GALN-SB4A-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1441.3	0°	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3	1441.3
1445.4	2.5°	1453.6	1462.9	1474.0	1490.4	1504.5	1516.1	1528.4	1536.0	1539.0	1547.7
1447.7	5°	1464.1	1484.6	1512.1	1539.0	1565.3	1581.1	1595.1	1602.1	1608.5	1613.2
1454.2	7.5°	1481.7	1508.0	1551.2	1586.3	1608.5	1621.4	1630.8	1628.4	1630.8	1631.9
1461.2	10°	1496.9	1533.7	1585.1	1618.5	1635.4	1636.0	1633.7	1625.5	1621.4	1622.0
1471.7	12.5°	1515.0	1555.9	1611.5	1639.5	1644.2	1631.3	1621.4	1607.4	1602.1	1599.8
1487.5	15°	1539.5	1586.3	1640.1	1650.6	1638.9	1622.6	1605.6	1582.8	1571.1	1561.8
1514.4	17.5°	1569.4	1620.8	1662.3	1654.7	1629.6	1602.7	1575.2	1540.7	1516.7	1506.8
1551.2	20°	1610.9	1657.1	1679.3	1646.0	1607.9	1567.0	1520.2	1478.1	1455.9	1446.0
1598.0	22.5°	1661.2	1705.6	1695.7	1630.8	1577.0	1511.5	1453.0	1422.0	1410.9	1403.9
1658.2	25°	1721.4	1759.4	1707.3	1608.5	1526.1	1437.8	1392.8	1382.8	1377.6	1372.3
1731.9	27.5°	1799.7	1820.2	1716.1	1575.8	1446.6	1359.4	1343.1	1344.8	1343.1	1334.3
1834.2	30°	1903.2	1899.1	1724.3	1522.6	1355.4	1288.7	1289.9	1297.5	1298.6	1292.8
1976.9	32.5°	2039.5	1997.9	1728.4	1453.6	1268.2	1226.7	1227.9	1236.1	1241.9	1232.0
2163.4	35°	2204.3	2113.1	1722.0	1367.0	1201.0	1167.7	1158.9	1161.2	1163.0	1153.6
2389.7	37.5°	2396.7	2242.4	1693.3	1271.2	1145.4	1109.8	1091.1	1075.3	1065.9	1057.2
2645.8	40°	2607.8	2383.3	1640.7	1177.6	1083.5	1048.4	1020.3	990.5	958.9	947.2
2917.1	42.5°	2828.8	2528.3	1577.0	1088.1	1012.1	983.5	953.7	910.4	863.0	839.1
3198.9	45°	3058.0	2676.8	1514.4	999.9	939.0	926.8	892.3	840.2	788.8	758.4
3481.4	47.5°	3282.6	2817.1	1422.6	911.0	870.6	884.1	857.2	809.2	751.9	704.0
3761.4	50°	3497.1	2948.7	1272.3	820.9	815.1	871.2	845.5	776.5	711.0	649.6
4036.2	52.5°	3710.0	3055.1	1080.0	739.1	785.3	867.7	830.3	754.3	674.2	609.9
4294.7	55°	3890.6	3110.1	894.6	668.9	742.0	837.9	812.2	728.0	622.1	553.7
4471.8	57.5°	3993.6	3065.6	740.2	599.9	682.4	788.8	781.2	671.8	560.2	507.5
4506.3	60°	3949.1	2885.5	613.9	539.7	625.6	735.6	727.4	616.3	512.8	463.1
4321.6	62.5°	3704.1	2542.3	514.0	487.1	574.2	681.2	673.6	573.6	476.5	428.6
3831.0	65°	3210.6	2068.1	436.2	443.2	522.1	615.7	626.8	537.9	447.9	401.1
2963.9	67.5°	2448.8	1498.0	375.4	405.2	471.3	551.4	583.5	512.2	423.9	379.5
1714.9	70°	1395.7	850.8	323.9	368.4	426.3	491.7	550.2	491.7	398.2	361.3
642.6	72.5°	529.2	390.6	280.1	331.5	383.0	441.5	513.4	459.6	368.4	340.9
332.1	75°	282.4	238.0	235.6	288.3	333.3	392.3	467.2	428.0	346.1	360.2
229.8	77.5°	192.4	168.4	197.0	246.7	278.9	338.0	418.1	380.1	300.0	298.8
159.0	80°	133.3	119.3	160.2	198.8	215.8	284.2	364.9	326.3	244.4	228.0
98.2	82.5°	80.1	77.8	119.9	148.5	152.6	219.3	302.3	273.6	200.0	174.2
58.5	85°	43.9	46.2	76.6	87.1	88.9	153.2	236.8	211.7	153.8	129.2
21.0	87.5°	12.3	15.8	28.1	34.5	42.7	79.5	140.9	125.7	77.2	53.8
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>
1441.3
1547.1
1614.4
1633.7
1623.1
1598.6
1564.7
1507.4
1444.8
1405.1
1372.3
1336.1
1295.7
1236.7
1160.1
1063.0
952.5
842.0
756.0
698.7
644.3
602.8
547.9
500.5
456.1
421.0
393.5
372.5
356.7
336.2
371.9
275.4
218.1
175.4
130.4
53.8
0.0

F REPORT)