

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: P940362

Luminaire Tested: **GALN-SB3B-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10194 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

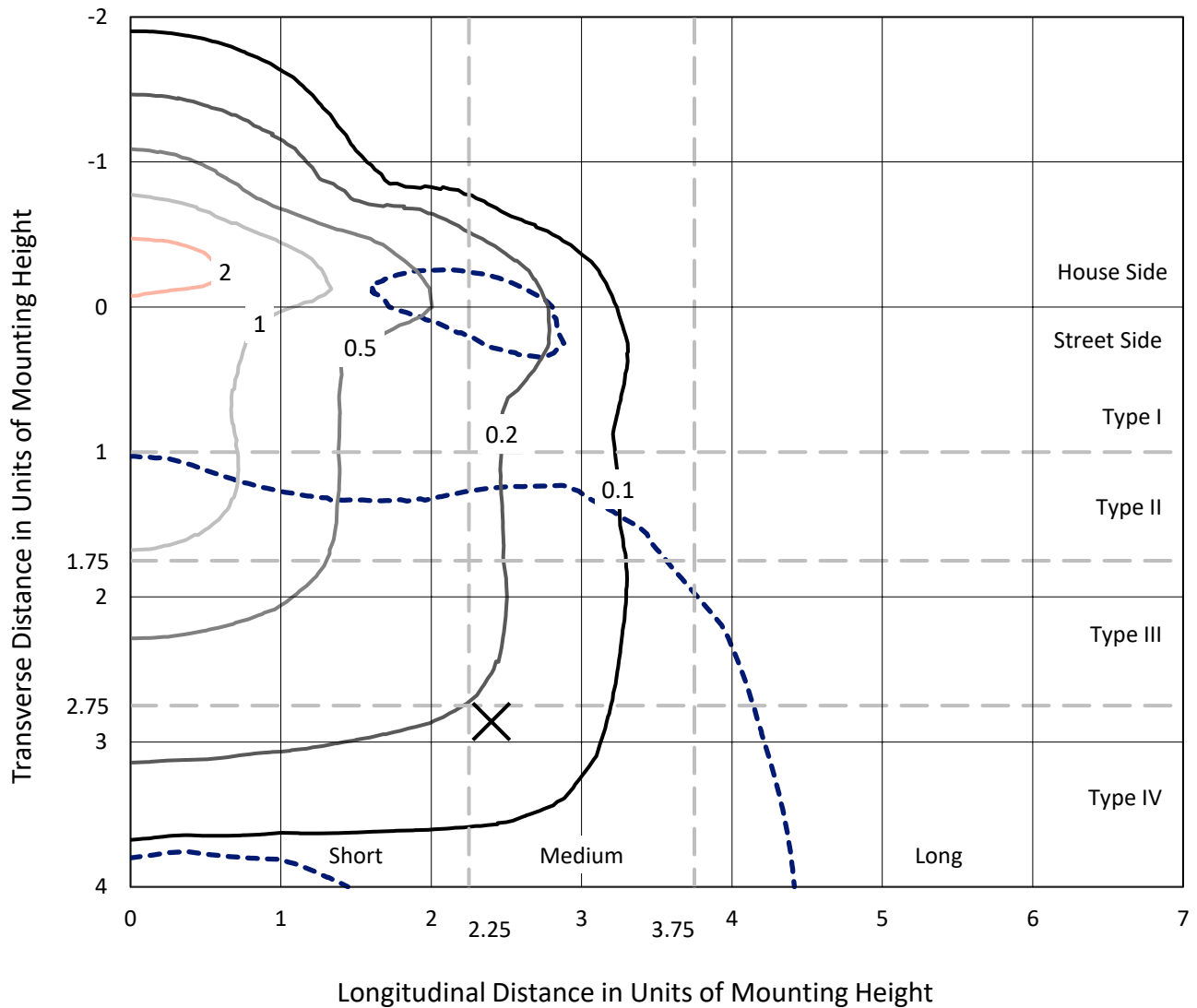
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940362
 CATALOG NUMBER: GALN-SB3B-927-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

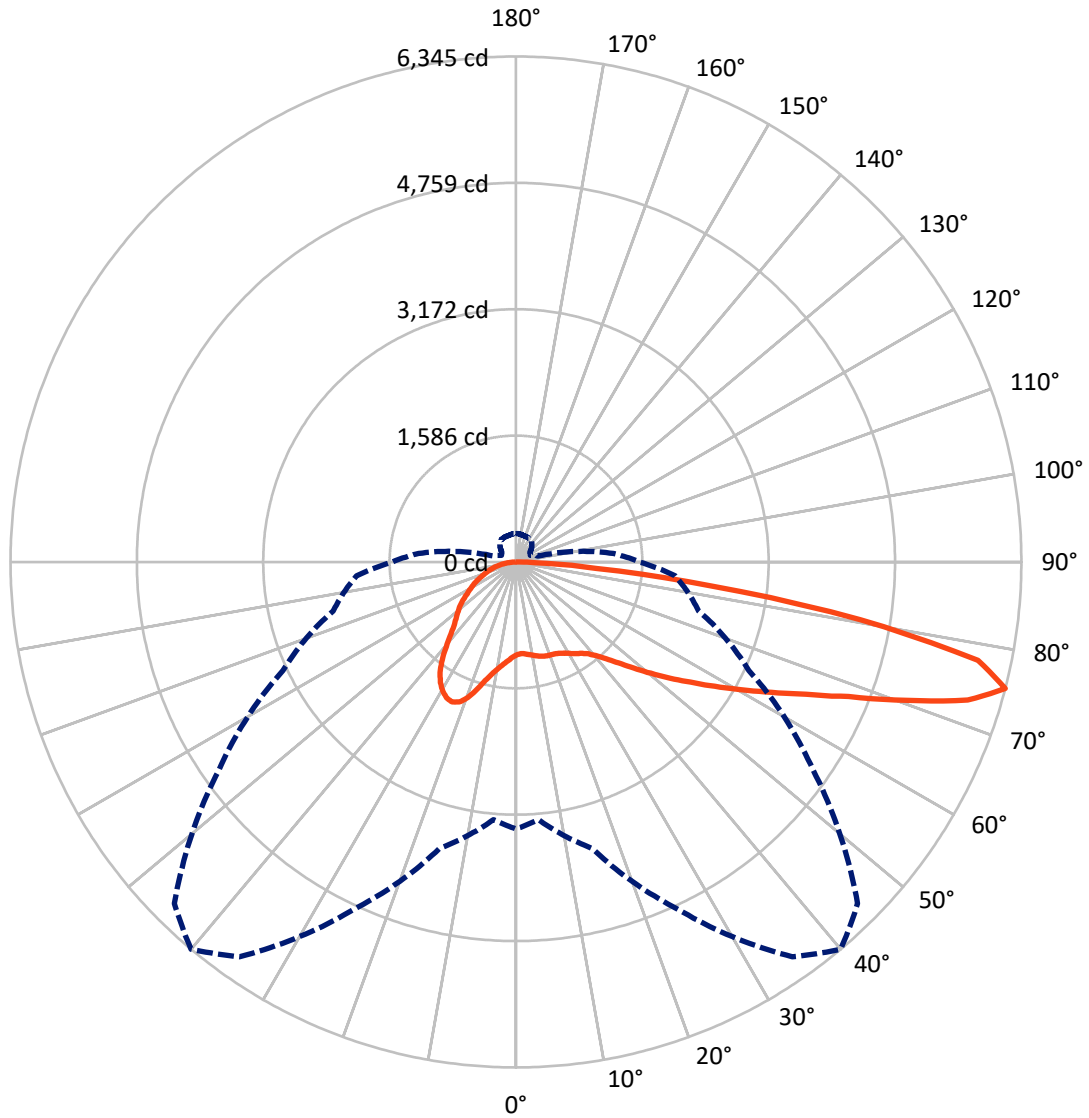
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P940362
CATALOG NUMBER: GALN-SB3B-927-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P940362

CATALOG NUMBER: GALN-SB3B-927-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3158.4	0.0	3158.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7035.6	0.0	7035.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	10194.0	0.0	10194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	1.1
10°-20°	390.7	3.8
20°-30°	713.3	7.0
30°-40°	1011.7	9.9
40°-50°	1366.1	13.4
50°-60°	1837.8	18.0
60°-70°	2332.6	22.9
70°-80°	2116.9	20.8
80°-90°	308.6	3.0
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°	10194.0	100.0
0°-180°	10194.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940362

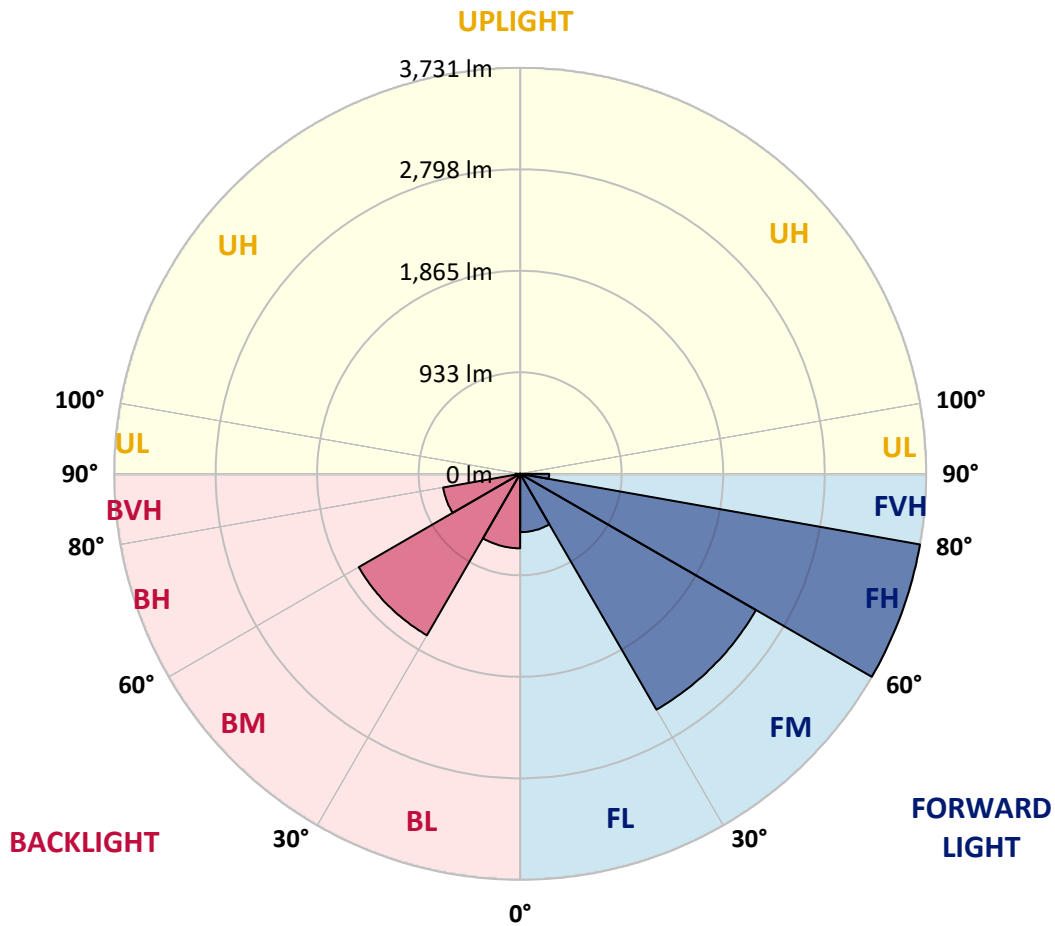
CATALOG NUMBER: GALN-SB3B-927-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.2	5.3			
FM (30°-60°)	2502.4	24.5			
FH (60°-80°)	3730.9	36.6			G2/5000
FVH (80°-90°)	266.1	2.6			G3/500
BL (0°-30°)	684.1	6.7	B2/1000		
BM (30°-60°)	1713.2	16.8	B2/2500		
BH (60°-80°)	718.6	7.0	B2/1000		G2/1000
BVH (80°-90°)	42.5	0.4			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 Medium



REPORT NUMBER: P940362

CATALOG NUMBER: GALN-SB3B-927-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1147.9	1154.3	1152.7	1150.6	1150.6	1151.1	1150.6	1154.3	1158.1	1161.9
5°	1159.8	1166.2	1163.0	1160.3	1158.1	1157.6	1156.0	1155.4	1157.6	1162.5
7.5°	1183.0	1189.5	1184.6	1179.8	1175.4	1173.3	1171.1	1167.9	1166.2	1168.9
10°	1209.0	1215.4	1209.5	1200.8	1193.8	1191.1	1188.9	1185.7	1183.5	1185.2
12.5°	1234.9	1241.4	1233.3	1221.4	1212.2	1210.6	1207.9	1206.8	1206.2	1205.7
15°	1259.2	1264.6	1254.4	1240.3	1230.6	1227.9	1225.2	1226.8	1229.5	1232.7
17.5°	1278.2	1283.6	1268.4	1250.0	1240.9	1239.8	1238.1	1243.6	1251.1	1259.2
20°	1295.5	1300.9	1281.4	1256.5	1245.7	1245.7	1246.3	1257.6	1268.4	1280.3
22.5°	1319.8	1324.1	1300.3	1266.3	1250.6	1251.7	1256.0	1267.3	1280.9	1297.1
25°	1356.0	1359.3	1330.1	1284.6	1266.8	1270.0	1273.8	1279.2	1292.2	1311.1
27.5°	1414.4	1417.1	1378.7	1317.1	1290.1	1295.5	1300.9	1297.1	1303.0	1319.2
30°	1496.6	1498.2	1449.6	1367.9	1329.5	1332.2	1333.3	1317.6	1306.3	1319.2
32.5°	1593.9	1593.4	1535.5	1429.5	1374.4	1371.7	1362.5	1331.7	1305.2	1316.5
35°	1744.8	1738.8	1664.2	1516.1	1425.2	1408.5	1386.8	1347.4	1310.6	1313.8
37.5°	1994.6	1976.2	1872.9	1657.7	1500.9	1458.2	1426.3	1372.8	1322.5	1312.8
40°	2276.2	2253.0	2139.5	1851.8	1614.5	1545.8	1494.4	1409.0	1342.0	1317.6
42.5°	2610.4	2577.4	2455.2	2080.5	1758.3	1658.8	1581.5	1455.0	1370.6	1333.3
45°	3020.8	2977.0	2803.9	2338.4	1939.4	1806.9	1703.7	1524.7	1414.4	1363.6
47.5°	3435.5	3446.3	3200.3	2633.6	2156.8	1989.7	1856.7	1629.6	1478.2	1412.2
50°	3876.1	3883.7	3594.4	2960.7	2403.3	2196.2	2028.6	1746.9	1566.9	1481.5
52.5°	4220.0	4221.1	3952.3	3303.0	2660.1	2423.3	2214.1	1881.0	1669.6	1573.4
55°	4435.2	4432.5	4203.2	3626.9	2955.3	2661.7	2419.5	2033.5	1795.0	1681.5
57.5°	4591.4	4583.3	4376.2	3905.3	3270.0	2943.4	2652.0	2206.5	1943.2	1810.2
60°	4650.9	4646.0	4493.6	4145.9	3600.9	3254.9	2920.2	2400.1	2111.3	1962.1
62.5°	4673.6	4682.8	4608.7	4378.9	3955.0	3599.8	3214.9	2631.5	2300.6	2134.0
65°	4753.6	4770.4	4755.2	4683.9	4355.1	4003.7	3605.8	2906.7	2507.1	2318.4
67.5°	4912.0	4928.8	4935.3	5048.8	4843.9	4507.1	4093.5	3249.5	2748.8	2509.8
70°	4908.3	4903.4	5018.0	5339.2	5456.0	5204.0	4750.9	3671.2	3037.0	2668.8
72.5°	4467.6	4428.7	4699.6	5335.9	5965.3	5931.8	5553.8	4215.1	3285.7	2688.2
75°	3351.7	3247.8	3726.3	4808.8	6050.2	6344.8	6064.2	4552.5	3226.8	2375.2
77.5°	1433.3	1329.0	1892.9	3559.8	5414.9	5931.2	5596.0	3971.8	2575.8	1570.7
80°	375.2	374.7	572.0	1613.9	3682.5	4380.0	3842.6	2565.0	1471.7	561.2
82.5°	155.2	151.4	210.3	627.7	1799.4	2457.9	2005.9	1144.1	531.5	151.9
85°	57.9	57.3	102.2	216.8	634.8	1013.8	733.7	292.5	132.5	74.1
87.5°	16.2	15.7	22.2	75.2	154.6	234.7	125.4	48.1	37.3	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940362
 CATALOG NUMBER: GALN-SB3B-927-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1165.7	0°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
1167.9	2.5°	1169.5	1172.2	1177.1	1180.8	1185.7	1191.1	1198.7	1203.5	1208.4	1211.7
1170.6	5°	1174.3	1180.3	1192.7	1205.2	1219.8	1233.3	1249.0	1260.3	1269.5	1272.2
1180.3	7.5°	1185.2	1194.9	1216.0	1237.1	1260.3	1282.5	1305.2	1324.7	1340.3	1346.3
1197.6	10°	1204.1	1217.1	1246.8	1276.5	1307.4	1341.4	1370.6	1398.7	1420.9	1430.1
1218.1	12.5°	1227.9	1244.1	1283.0	1324.1	1366.8	1413.9	1451.7	1486.3	1513.9	1526.3
1246.8	15°	1258.7	1279.8	1329.5	1384.7	1447.4	1512.8	1560.9	1599.3	1630.1	1645.3
1276.5	17.5°	1292.2	1320.3	1383.0	1466.3	1556.1	1642.0	1698.3	1726.4	1758.3	1772.9
1304.1	20°	1324.7	1359.3	1449.0	1570.1	1689.6	1781.0	1826.4	1834.0	1836.1	1837.8
1330.1	22.5°	1358.2	1404.7	1531.7	1701.0	1829.1	1892.4	1898.9	1866.4	1821.0	1799.9
1355.5	25°	1394.9	1456.6	1639.9	1845.3	1949.1	1956.7	1907.0	1828.0	1742.1	1702.6
1376.0	27.5°	1430.6	1516.6	1769.6	1983.2	2035.6	1969.1	1862.1	1750.2	1646.4	1604.7
1390.6	30°	1466.3	1585.3	1912.9	2103.8	2075.1	1938.3	1791.3	1666.4	1562.0	1518.2
1403.6	32.5°	1502.5	1665.3	2077.8	2190.8	2068.1	1872.9	1703.1	1572.3	1480.4	1434.4
1414.9	35°	1543.6	1763.7	2234.1	2238.4	2021.0	1776.7	1586.9	1459.8	1379.8	1343.0
1428.5	37.5°	1597.2	1888.6	2371.9	2250.3	1938.9	1635.5	1442.5	1326.8	1260.9	1244.1
1448.5	40°	1663.7	2038.9	2477.4	2231.4	1817.2	1464.2	1284.6	1192.2	1154.9	1158.7
1475.5	42.5°	1750.2	2207.0	2551.5	2182.7	1648.0	1287.3	1146.2	1105.1	1123.0	1138.1
1516.1	45°	1862.6	2381.7	2597.4	2100.0	1456.6	1137.6	1064.6	1074.3	1087.8	1089.5
1581.5	47.5°	2006.4	2558.5	2627.7	1975.1	1261.4	1032.2	1012.7	1014.8	1012.1	1000.8
1679.3	50°	2186.0	2730.4	2654.7	1809.6	1095.4	966.2	940.2	932.7	895.4	858.6
1809.6	52.5°	2390.3	2888.3	2666.1	1604.2	966.2	911.0	868.9	821.3	751.5	740.2
1973.5	55°	2617.4	3034.3	2636.9	1351.7	857.5	840.2	776.4	719.1	711.5	701.8
2189.2	57.5°	2888.8	3191.6	2577.4	1070.0	746.1	757.5	695.3	701.8	688.3	673.1
2466.6	60°	3185.7	3354.4	2473.1	813.2	631.0	654.2	674.2	673.7	669.9	657.5
2759.1	62.5°	3452.8	3461.4	2267.6	622.9	529.9	574.2	628.8	628.3	625.0	618.0
3064.6	65°	3611.7	3445.2	1924.8	490.4	446.6	508.2	567.2	571.5	572.0	571.5
3294.3	67.5°	3583.6	3255.4	1454.4	390.4	377.9	441.2	506.1	512.0	516.3	517.4
3323.5	70°	3265.7	2838.5	948.3	311.4	316.8	382.3	448.2	454.2	458.0	462.3
2884.0	72.5°	2545.5	2087.0	542.8	252.0	263.3	331.4	390.9	397.9	400.1	408.2
2007.0	75°	1551.2	1227.3	293.0	198.4	216.3	283.3	334.1	342.2	346.0	355.8
985.7	77.5°	737.5	531.5	167.1	154.6	174.1	231.4	282.2	291.4	281.2	286.6
272.0	80°	249.3	197.3	105.4	117.9	133.0	180.6	226.0	235.2	213.6	212.5
90.3	82.5°	87.0	80.0	67.0	78.4	86.0	129.2	170.9	182.7	159.0	158.4
40.6	85°	34.1	32.4	37.3	42.7	51.4	79.5	112.5	118.4	97.9	78.9
11.9	87.5°	7.0	7.6	9.2	9.7	15.7	27.6	40.6	49.7	39.5	33.5
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>
1165.7
1209.5
1273.3
1346.8
1430.6
1526.3
1644.2
1772.3
1842.1
1805.9
1708.5
1609.6
1523.1
1440.4
1351.1
1256.0
1171.6
1152.2
1100.3
1009.4
863.5
744.0
703.4
670.4
653.1
615.3
571.5
518.5
464.4
411.5
356.8
282.2
210.3
150.8
77.9
30.8
0.0

F REPORT)