

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: P947946

Luminaire Tested: **GALN-SB3A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8007 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

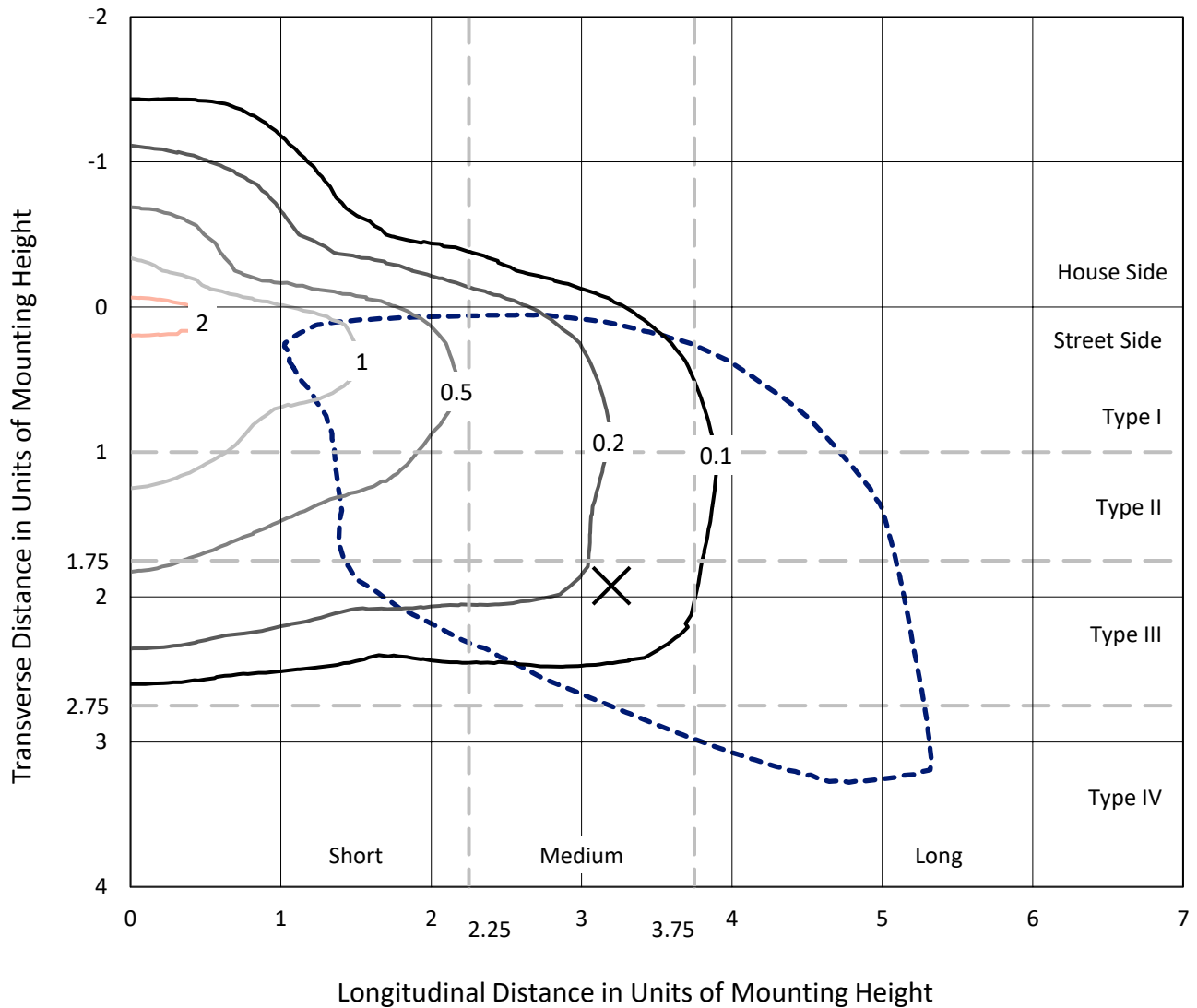
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947946
 CATALOG NUMBER: GALN-SB3A-927-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

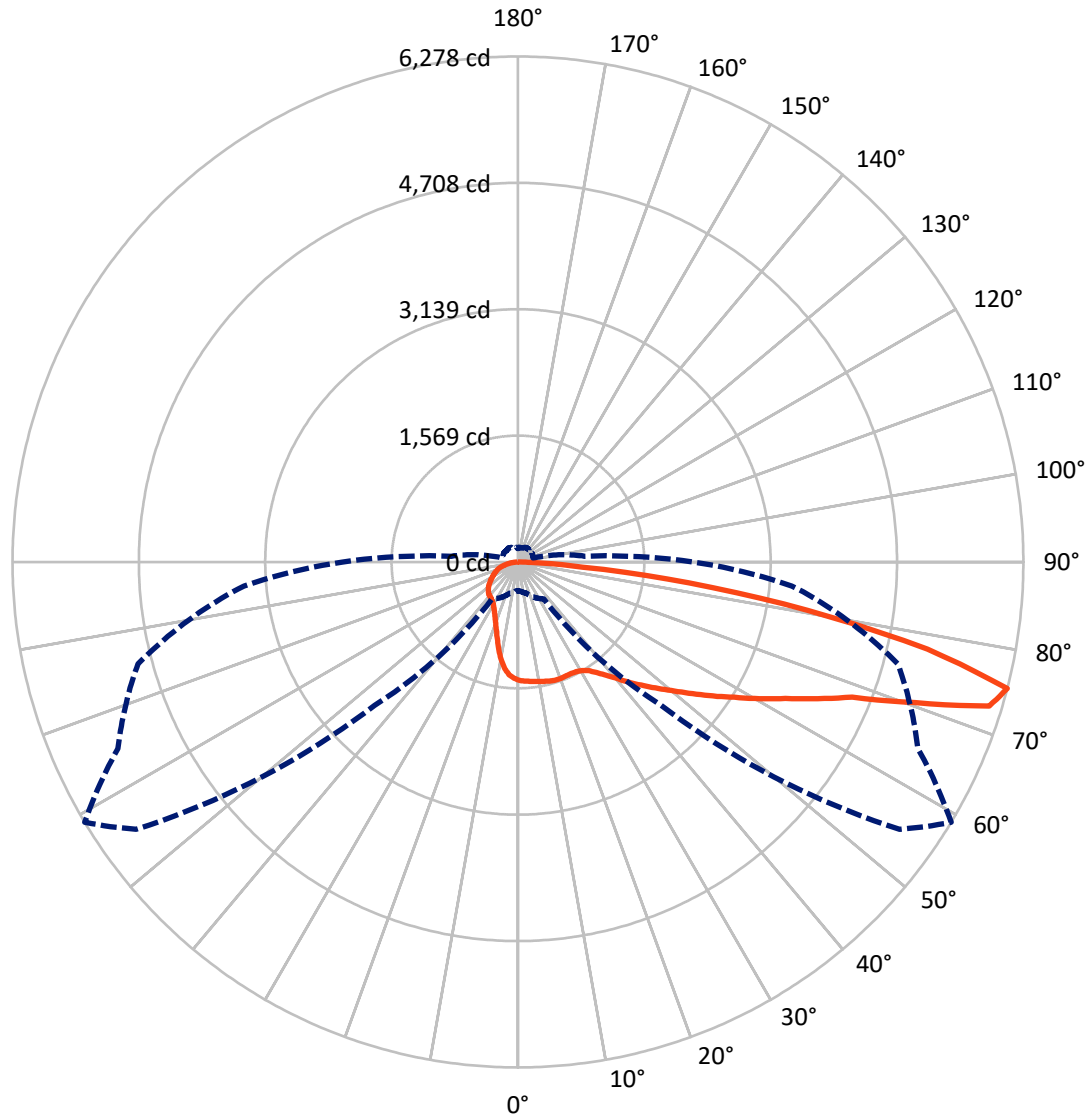
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P947946
CATALOG NUMBER: GALN-SB3A-927-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P947946
 CATALOG NUMBER: GALN-SB3A-927-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1501.8	0.0	1501.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6505.2	0.0	6505.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	8007.0	0.0	8007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.6
10°-20°	336.8	4.2
20°-30°	511.6	6.4
30°-40°	760.5	9.5
40°-50°	1131.0	14.1
50°-60°	1535.2	19.2
60°-70°	1874.3	23.4
70°-80°	1470.9	18.4
80°-90°	254.8	3.2
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°	8007.0	100.0
0°-180°	8007.0	100.0

Coefficient of Utilization



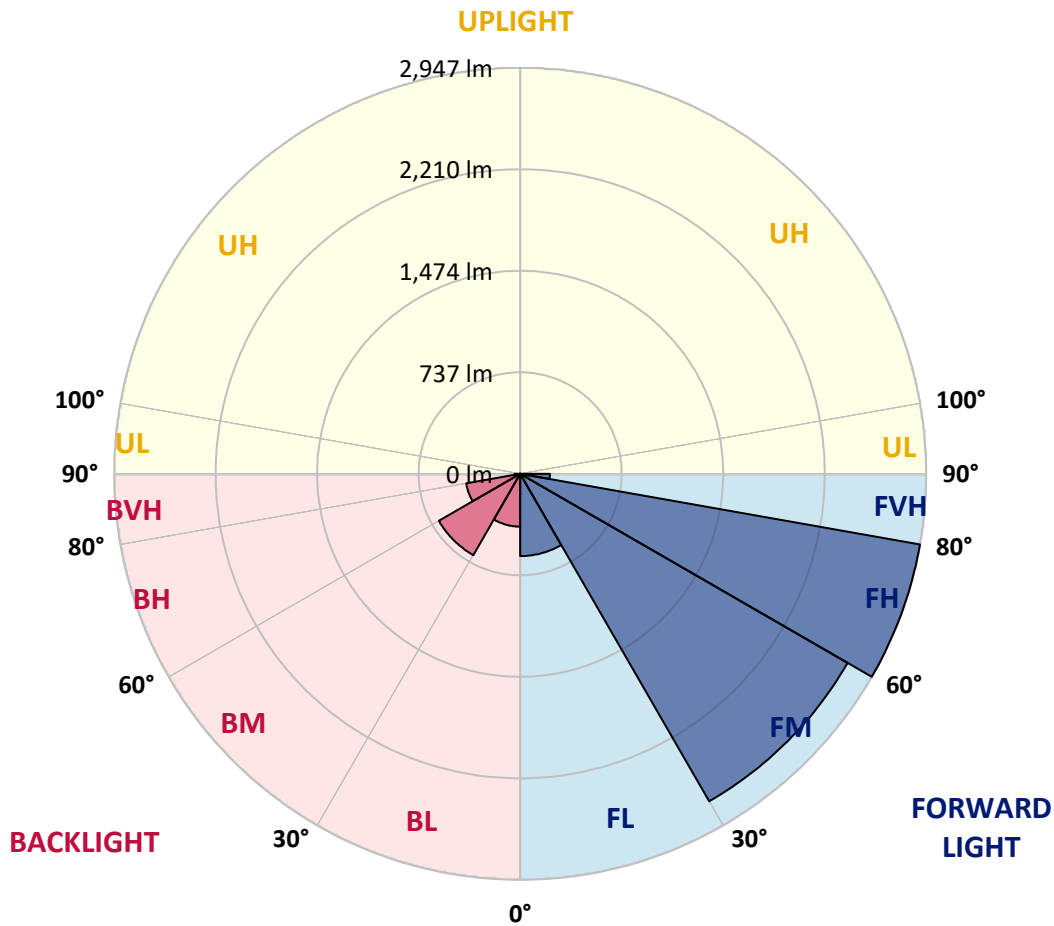
REPORT NUMBER: P947946
 CATALOG NUMBER: GALN-SB3A-927-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.0	7.5			
FM (30°-60°)	2745.1	34.3			
FH (60°-80°)	2947.3	36.8			G2/5000
FVH (80°-90°)	215.8	2.7			G2/225
BL (0°-30°)	383.2	4.8	B1/500		
BM (30°-60°)	681.7	8.5	B1/1000		
BH (60°-80°)	397.9	5.0	B1/500		G1/500
BVH (80°-90°)	39.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P947946

CATALOG NUMBER: GALN-SB3A-927-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7
2.5°	1482.2	1477.0	1482.2	1480.0	1479.1	1477.4	1477.9	1480.9	1479.1	1481.3
5°	1472.3	1469.2	1474.4	1473.1	1478.7	1479.6	1485.2	1488.6	1490.8	1491.2
7.5°	1455.9	1452.9	1460.2	1466.2	1478.3	1481.7	1493.4	1499.0	1502.0	1507.1
10°	1396.0	1394.7	1412.8	1435.6	1464.1	1481.7	1499.4	1508.9	1513.6	1527.4
12.5°	1290.1	1291.8	1315.5	1359.4	1416.3	1473.1	1506.3	1520.1	1527.4	1544.6
15°	1188.8	1188.4	1214.2	1261.2	1340.9	1435.2	1509.7	1533.4	1545.9	1571.3
17.5°	1130.2	1128.5	1146.6	1182.4	1256.5	1377.1	1501.1	1540.7	1567.4	1599.3
20°	1119.5	1116.0	1125.5	1143.2	1195.7	1313.3	1478.7	1540.7	1584.7	1626.0
22.5°	1158.7	1153.1	1149.2	1147.0	1170.3	1260.8	1453.3	1535.6	1610.1	1664.4
25°	1237.5	1228.9	1209.1	1189.7	1182.8	1237.1	1430.9	1534.3	1648.0	1716.0
27.5°	1365.0	1354.2	1314.2	1267.7	1225.9	1249.1	1421.0	1542.0	1689.8	1770.8
30°	1523.1	1511.4	1461.1	1389.6	1314.6	1293.9	1433.5	1564.9	1743.2	1843.5
32.5°	1664.8	1651.9	1608.8	1536.0	1434.8	1371.5	1473.1	1608.4	1827.2	1944.8
35°	1790.6	1775.5	1736.7	1669.5	1582.1	1480.4	1544.6	1685.5	1946.5	2109.3
37.5°	1913.8	1896.1	1853.9	1782.8	1721.6	1625.6	1643.3	1784.5	2105.0	2309.2
40°	2051.6	2026.2	1974.9	1904.7	1845.3	1795.7	1772.9	1906.0	2266.1	2532.3
42.5°	2185.1	2161.0	2099.8	2040.0	1965.4	1951.2	1923.2	2048.1	2442.3	2777.4
45°	2329.0	2300.1	2226.0	2150.2	2103.3	2054.6	2068.8	2190.3	2615.0	3027.2
47.5°	2463.8	2431.5	2344.1	2259.6	2233.8	2141.6	2202.3	2346.6	2794.6	3280.5
50°	2536.6	2504.7	2431.9	2355.7	2335.4	2248.9	2347.1	2518.5	2982.8	3532.9
52.5°	2597.3	2562.9	2467.7	2425.5	2419.4	2365.6	2525.4	2714.9	3171.1	3756.0
55°	2661.9	2623.6	2502.1	2464.2	2491.8	2496.5	2736.9	2937.6	3370.1	3973.5
57.5°	2736.5	2687.8	2535.3	2497.0	2562.4	2649.9	2979.8	3168.5	3565.6	4175.1
60°	2806.7	2757.6	2599.1	2549.1	2638.7	2827.8	3258.5	3448.0	3787.0	4354.7
62.5°	2820.5	2780.0	2649.9	2649.4	2742.1	3035.4	3588.5	3730.2	3980.4	4532.2
65°	2581.8	2556.4	2479.3	2645.6	2890.2	3334.3	3955.9	4091.1	4226.4	4687.3
67.5°	1965.0	1968.5	1962.9	2283.8	2770.5	3763.8	4487.8	4477.5	4530.0	4861.3
70°	898.5	918.8	1050.6	1576.5	2219.6	3813.3	5367.4	5233.4	4911.2	5086.5
72.5°	485.4	500.9	554.8	763.7	1334.4	3390.3	6024.7	6119.9	5418.2	5238.2
75°	356.2	364.8	402.3	485.4	560.4	2519.8	5789.1	6277.5	5481.5	4884.5
77.5°	266.6	270.5	301.1	384.6	286.9	1328.4	4625.7	5199.0	4692.4	4013.2
80°	193.4	197.7	220.5	288.6	201.2	485.9	3176.2	3649.2	3213.7	2558.1
82.5°	133.5	135.3	145.2	196.4	140.4	188.7	1802.2	2139.9	1794.0	897.7
85°	80.5	82.7	87.0	114.6	79.7	89.6	777.9	804.6	536.3	214.5
87.5°	33.2	35.3	38.8	48.2	31.4	25.0	128.4	161.1	100.4	62.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947946
 CATALOG NUMBER: GALN-SB3A-927-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1469.7	0°	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7	1469.7
1474.0	2.5°	1471.8	1468.8	1460.6	1449.4	1439.1	1426.2	1420.6	1415.8	1411.5	1403.3
1485.6	5°	1480.9	1472.7	1450.7	1422.3	1390.0	1354.7	1320.2	1296.5	1276.3	1261.2
1499.0	7.5°	1494.6	1479.1	1439.1	1380.9	1306.8	1231.0	1162.6	1113.9	1077.3	1063.9
1517.9	10°	1508.9	1490.3	1420.6	1318.0	1190.1	1073.4	982.5	932.5	903.3	893.8
1540.3	12.5°	1525.7	1498.5	1391.7	1230.6	1059.6	931.7	852.4	823.1	808.1	802.9
1567.9	15°	1550.2	1505.4	1348.2	1121.2	935.1	828.3	777.0	756.8	749.0	748.6
1596.3	17.5°	1568.7	1506.7	1280.6	1004.0	839.5	765.8	723.6	715.9	721.0	728.8
1624.3	20°	1589.4	1495.1	1191.8	897.2	772.3	711.1	693.5	698.7	711.1	722.3
1661.3	22.5°	1604.1	1474.0	1084.6	814.1	714.2	679.7	678.8	689.6	696.5	702.1
1704.8	25°	1617.0	1438.2	970.9	744.3	666.3	660.7	670.2	666.8	662.0	666.8
1748.4	27.5°	1626.5	1381.8	869.2	683.1	632.7	647.8	642.2	634.5	634.0	636.6
1799.6	30°	1623.4	1306.4	785.7	625.0	609.1	623.7	610.4	609.1	607.8	609.1
1876.7	32.5°	1623.4	1220.7	721.5	584.9	594.0	588.4	587.1	584.1	578.9	578.5
1981.4	35°	1632.5	1135.0	666.3	563.4	581.5	568.1	569.0	561.7	550.9	545.7
2120.1	37.5°	1651.0	1066.1	611.6	553.1	559.5	559.1	555.6	543.2	524.2	507.8
2293.2	40°	1695.8	1045.8	574.2	548.3	549.2	554.4	545.3	521.2	478.1	451.4
2469.0	42.5°	1766.0	1079.9	566.0	536.7	542.3	547.5	529.8	473.8	443.2	427.3
2653.3	45°	1855.2	1139.3	583.6	519.9	525.9	535.0	482.4	455.7	441.9	442.4
2836.0	47.5°	1968.0	1201.7	616.4	505.3	502.2	507.4	451.0	434.6	415.7	420.4
3011.3	50°	2098.5	1265.1	647.4	485.4	476.0	459.2	430.7	415.2	391.1	379.9
3180.5	52.5°	2239.8	1326.2	659.9	461.3	447.5	428.2	417.0	398.0	368.7	350.2
3340.3	55°	2373.8	1381.8	646.1	432.5	419.1	404.0	402.3	390.7	359.2	333.4
3482.5	57.5°	2500.4	1428.3	611.6	403.2	390.2	381.2	392.8	387.2	347.6	314.4
3616.9	60°	2607.7	1460.2	561.7	373.4	364.4	359.7	377.3	375.6	331.2	294.2
3737.5	62.5°	2693.0	1472.7	506.5	345.0	342.9	334.3	355.8	355.8	310.6	274.4
3843.4	65°	2759.7	1460.6	450.5	317.0	321.3	308.4	329.5	326.9	288.6	256.7
3965.3	67.5°	2818.7	1421.0	388.5	289.5	299.4	283.0	301.9	295.9	264.5	239.1
4070.9	70°	2845.0	1328.8	317.9	261.9	273.9	258.0	274.4	263.2	237.3	220.1
3955.0	72.5°	2633.9	1104.4	250.3	233.0	243.4	230.4	244.7	231.7	208.0	200.3
3415.3	75°	2179.1	828.7	192.5	201.6	209.3	199.4	208.9	199.4	177.9	183.5
2522.8	77.5°	1582.5	559.5	147.3	168.4	171.9	166.7	174.9	164.1	144.7	143.4
1257.3	80°	787.0	327.8	115.4	133.1	131.8	128.4	137.8	132.7	116.3	123.2
339.4	82.5°	227.9	140.4	84.0	93.5	90.9	91.7	98.6	101.2	151.6	150.3
105.5	85°	71.5	55.1	50.4	52.1	49.5	50.8	58.1	115.4	106.8	62.5
32.7	87.5°	18.5	19.0	12.5	13.4	13.8	16.4	18.5	70.2	33.6	22.0
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>
1469.7
1399.5
1248.7
1040.7
879.1
804.2
750.3
731.8
726.2
705.1
669.8
640.9
613.8
584.1
550.9
513.4
454.9
427.3
444.5
432.5
382.9
349.8
333.4
312.7
292.9
273.1
255.0
237.3
216.7
193.8
167.6
137.0
121.9
153.8
67.6
23.3
0.0

F REPORT)