

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: P939517

Luminaire Tested: **GALN-SB2A-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5464 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

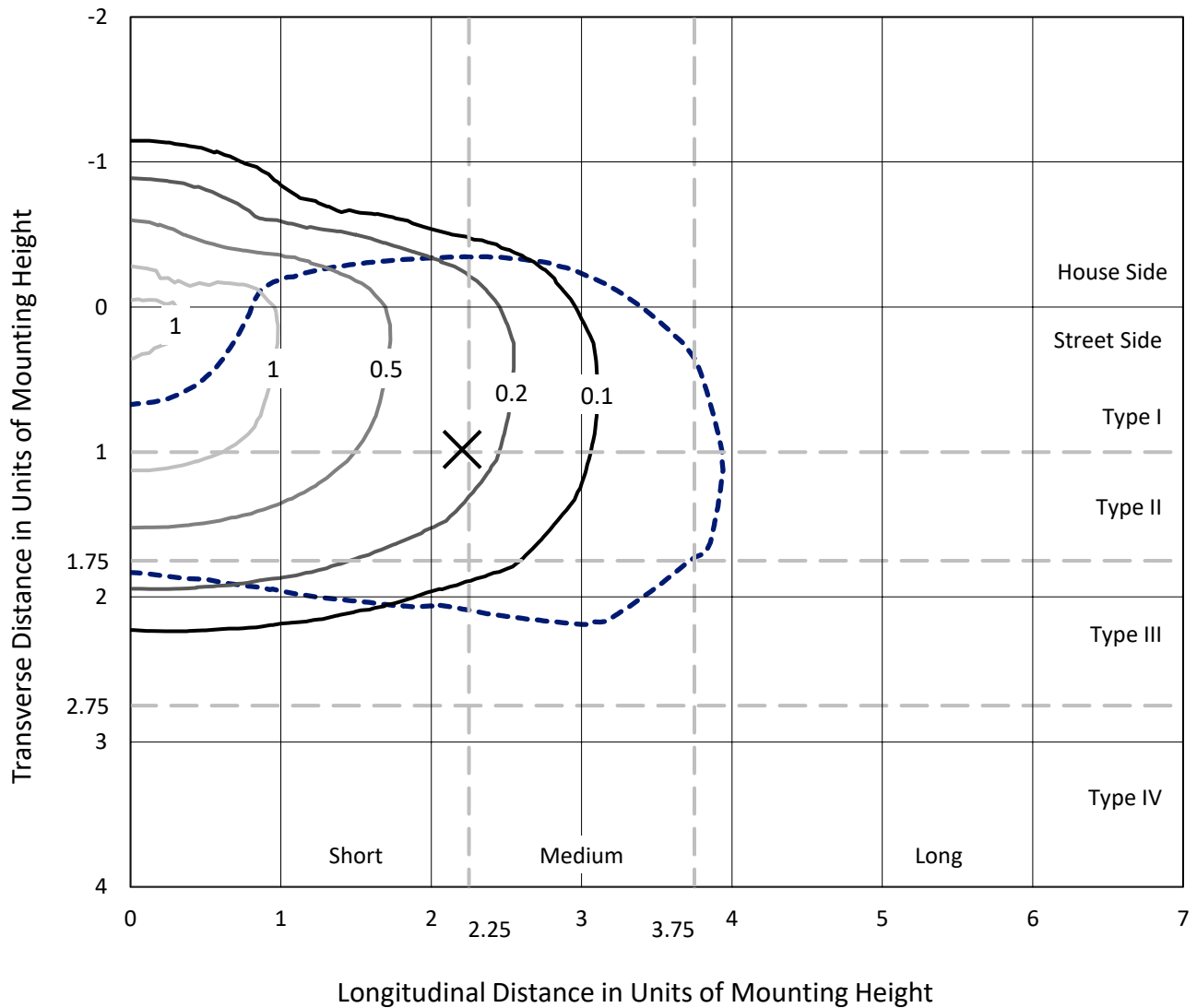
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939517
 CATALOG NUMBER: GALN-SB2A-927-U-T3

Iso-Footcandle Lines of Horizontal Illumination

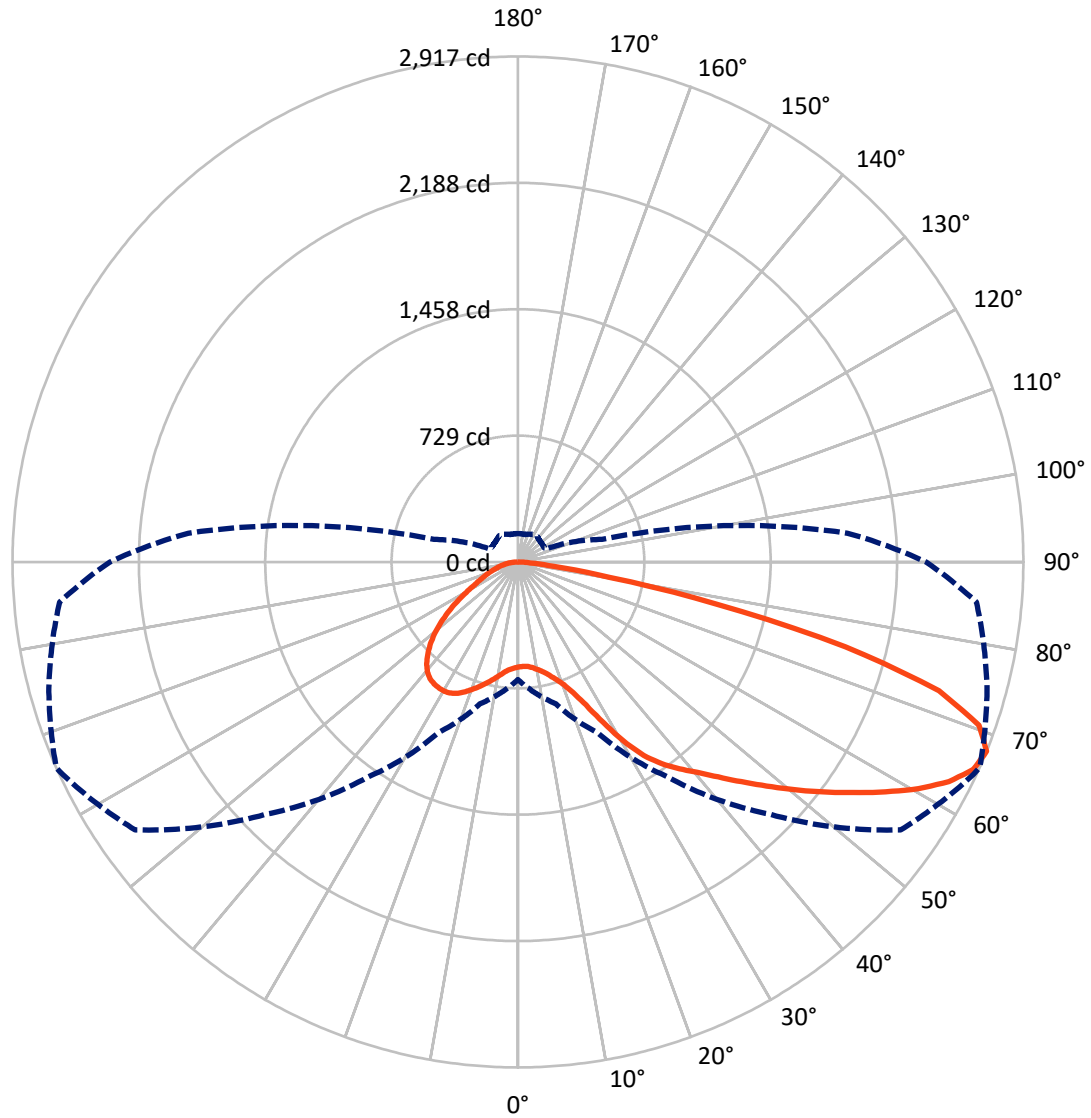
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

REPORT NUMBER: P939517
CATALOG NUMBER: GALN-SB2A-927-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P939517

CATALOG NUMBER: GALN-SB2A-927-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.6	0.0	1358.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4105.4	0.0	4105.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	5464.0	0.0	5464.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.1
10°-20°	198.5	3.6
20°-30°	382.6	7.0
30°-40°	670.9	12.3
40°-50°	997.4	18.3
50°-60°	1264.3	23.1
60°-70°	1237.1	22.6
70°-80°	590.1	10.8
80°-90°	63.1	1.2
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°	5464.0	100.0
0°-180°	5464.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939517

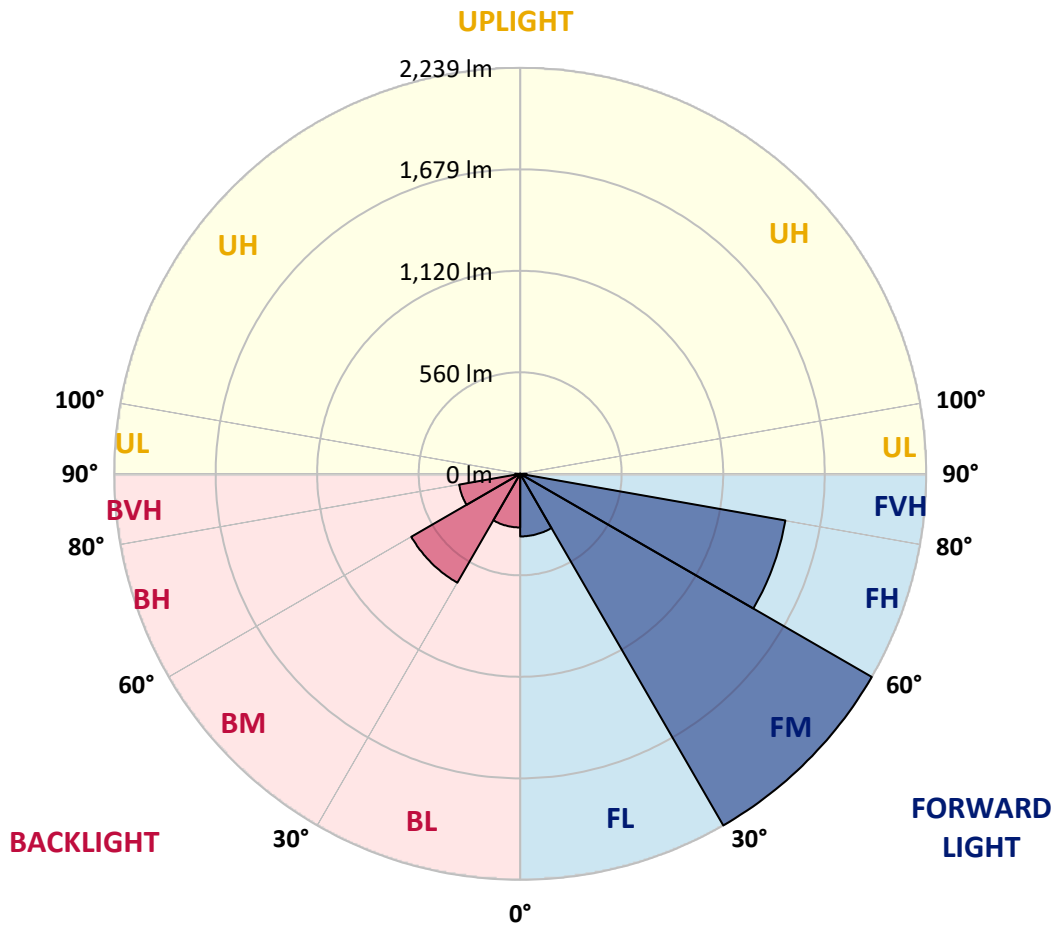
CATALOG NUMBER: GALN-SB2A-927-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.3	6.3			
FM (30°-60°)	2239.1	41.0			
FH (60°-80°)	1485.3	27.2			G1/1800
FVH (80°-90°)	35.8	0.7			G1/100
BL (0°-30°)	296.0	5.4	B1/500		
BM (30°-60°)	693.4	12.7	B1/1000		
BH (60°-80°)	341.9	6.3	B1/500		G1/500
BVH (80°-90°)	27.3	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-G1

Type III Short



REPORT NUMBER: P939517

CATALOG NUMBER: GALN-SB2A-927-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
2.5°	599.7	603.2	602.3	600.9	600.6	601.1	602.0	602.9	602.6	604.0
5°	598.0	601.4	601.1	601.1	602.3	604.6	606.0	607.5	606.0	607.8
7.5°	599.1	601.7	602.9	604.0	606.9	611.2	614.6	617.8	616.1	618.1
10°	613.8	615.8	616.9	616.9	618.9	623.8	627.3	633.0	631.6	634.7
12.5°	640.5	642.5	642.5	641.3	642.8	645.9	647.1	653.4	650.8	656.0
15°	673.2	677.2	674.1	672.1	672.6	675.8	675.5	680.4	677.8	682.1
17.5°	709.4	714.5	709.4	709.1	707.9	711.4	711.7	716.0	711.4	714.5
20°	752.2	759.3	755.0	756.5	753.9	755.3	756.7	763.1	755.9	758.2
22.5°	812.4	821.1	816.5	821.9	820.2	819.0	818.8	830.0	818.8	819.6
25°	900.3	910.6	902.6	910.0	910.0	913.8	918.1	932.4	913.8	908.3
27.5°	1030.0	1040.4	1024.6	1029.2	1027.8	1036.9	1032.3	1067.9	1047.8	1038.9
30°	1186.2	1204.6	1174.7	1173.6	1172.2	1186.8	1193.4	1216.9	1196.6	1187.7
32.5°	1355.0	1374.3	1338.7	1328.3	1322.9	1331.8	1326.3	1345.3	1331.2	1317.4
35°	1533.6	1552.5	1518.7	1498.6	1476.7	1458.1	1438.6	1443.4	1430.2	1409.3
37.5°	1702.4	1737.1	1701.2	1679.7	1639.5	1603.1	1548.5	1525.8	1513.5	1494.3
40°	1874.4	1894.2	1866.9	1848.5	1804.9	1747.8	1660.5	1612.5	1595.9	1577.2
42.5°	2001.0	2019.9	2005.3	1992.6	1958.5	1892.2	1779.3	1719.3	1695.2	1674.3
45°	2101.4	2115.5	2106.3	2110.9	2096.3	2032.0	1902.5	1833.9	1808.9	1783.4
47.5°	2141.9	2156.8	2171.5	2198.8	2223.7	2176.4	2034.8	1957.9	1931.5	1905.4
50°	2137.3	2152.5	2195.0	2253.0	2330.5	2314.7	2174.4	2090.0	2065.6	2035.7
52.5°	2100.6	2117.8	2172.3	2268.8	2392.3	2418.4	2316.5	2226.3	2203.4	2167.8
55°	2004.1	2014.5	2096.3	2232.9	2406.9	2490.7	2455.7	2371.6	2348.6	2299.0
57.5°	1825.3	1840.2	1959.3	2136.2	2370.1	2539.8	2578.0	2524.3	2502.2	2430.7
60°	1591.9	1615.7	1752.1	1973.7	2276.6	2539.5	2689.1	2674.5	2656.1	2560.5
62.5°	1327.8	1355.3	1486.5	1744.0	2112.9	2467.5	2758.6	2800.2	2790.7	2680.2
65°	1019.7	1038.7	1169.3	1446.9	1858.3	2312.7	2766.6	2886.0	2887.8	2771.2
67.5°	678.9	733.5	846.9	1085.7	1517.2	2059.8	2696.0	2900.1	2916.8	2802.5
70°	331.3	403.1	514.2	705.6	1085.7	1672.0	2511.4	2784.7	2821.7	2711.2
72.5°	137.5	160.8	221.3	348.2	623.3	1128.2	2140.5	2471.8	2540.4	2402.3
75°	92.7	100.5	126.6	178.6	283.9	556.4	1543.6	1843.1	1953.6	1814.4
77.5°	71.5	76.4	92.2	124.9	168.8	210.4	826.2	1110.7	1167.8	1081.2
80°	56.3	60.0	68.9	91.0	119.7	112.5	281.6	503.3	536.3	449.9
82.5°	48.8	50.2	49.4	61.7	79.5	65.7	92.4	185.7	205.0	148.7
85°	35.3	39.3	41.1	38.2	42.2	33.3	37.9	65.7	72.3	64.6
87.5°	14.4	21.2	26.1	24.7	15.5	9.5	11.8	19.2	22.1	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939517
 CATALOG NUMBER: GALN-SB2A-927-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
606.0	0°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
606.3	2.5°	606.6	608.6	610.0	611.8	612.9	614.6	618.1	620.1	620.4	621.8
610.9	5°	612.1	614.9	618.1	622.7	627.8	632.2	638.8	643.4	645.1	646.5
622.1	7.5°	623.8	627.8	633.6	641.6	649.1	654.8	662.9	668.3	673.8	675.8
639.9	10°	641.3	647.1	655.4	666.3	674.4	681.8	690.1	694.7	700.2	702.5
661.1	12.5°	663.2	669.2	680.1	695.3	702.8	707.9	710.8	709.7	710.8	712.8
686.7	15°	688.1	694.7	707.1	723.4	728.6	724.0	717.7	712.0	711.1	711.7
717.7	17.5°	717.7	722.6	736.9	750.7	747.0	728.0	714.3	705.1	700.5	699.0
757.3	20°	759.0	759.0	770.8	779.4	754.5	722.3	700.8	685.8	676.4	672.3
811.3	22.5°	809.3	804.7	812.2	806.1	753.0	706.2	676.4	650.5	636.2	630.4
886.8	25°	873.0	867.6	865.6	828.2	742.7	680.7	632.2	600.9	588.2	585.1
995.6	27.5°	969.2	955.4	929.3	840.3	723.7	640.5	580.5	551.5	544.3	544.6
1135.4	30°	1097.2	1069.7	1005.6	842.3	692.7	583.6	527.7	507.0	503.5	505.0
1252.8	32.5°	1215.8	1189.7	1083.7	833.1	645.1	527.9	480.3	466.5	461.3	463.1
1342.4	35°	1308.8	1301.6	1156.1	820.2	586.5	475.7	437.8	426.0	416.0	413.7
1426.8	37.5°	1396.7	1393.8	1210.3	802.1	528.5	438.7	403.6	388.1	373.5	365.5
1520.1	40°	1493.1	1490.2	1245.9	774.3	477.1	406.5	372.9	352.5	334.5	319.8
1625.7	42.5°	1601.6	1584.7	1262.9	734.4	433.5	379.2	347.9	320.4	296.6	283.1
1745.2	45°	1720.2	1682.0	1262.6	683.5	396.7	354.3	321.2	282.2	260.1	247.5
1867.8	47.5°	1845.9	1775.0	1247.1	627.3	361.1	326.7	279.9	250.0	235.4	227.7
2001.0	50°	1975.7	1862.0	1220.7	562.7	324.7	295.4	254.1	233.7	222.5	215.3
2133.0	52.5°	2097.7	1941.0	1188.8	489.5	287.7	265.0	242.6	226.8	215.0	207.0
2261.1	55°	2211.1	2009.0	1143.7	414.5	257.5	244.6	237.1	223.9	210.4	201.0
2391.1	57.5°	2311.9	2053.2	1065.9	344.2	236.0	230.5	231.4	219.0	203.5	195.5
2519.1	60°	2395.7	2085.6	950.8	279.0	218.5	216.7	222.5	209.9	191.8	182.6
2627.4	62.5°	2445.9	2085.1	809.6	228.5	203.5	204.1	210.7	198.4	180.0	171.4
2683.9	65°	2441.6	2034.0	654.5	195.5	189.2	189.8	198.4	185.7	170.2	165.1
2655.5	67.5°	2355.2	1909.4	502.1	174.0	173.4	176.0	186.0	177.1	164.2	163.6
2486.1	70°	2121.2	1650.7	361.7	156.7	157.0	160.8	174.0	171.7	161.1	162.2
2090.2	72.5°	1701.0	1258.6	242.9	138.7	138.9	145.0	162.5	167.4	157.9	173.1
1483.1	75°	1132.8	784.9	156.2	119.4	119.7	127.5	152.4	159.0	149.3	172.5
771.7	77.5°	544.3	352.8	113.1	100.5	100.5	107.7	131.8	142.4	127.2	134.1
248.0	80°	188.0	132.6	89.0	81.0	79.2	84.1	111.1	123.4	109.7	101.1
81.0	82.5°	74.1	68.9	71.5	62.9	57.1	60.3	86.4	101.9	80.7	72.9
45.6	85°	42.5	44.8	50.5	41.6	33.0	37.0	63.4	73.2	60.9	53.7
14.9	87.5°	11.5	15.8	23.3	21.5	14.9	15.8	30.1	40.5	35.0	27.0
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>
606.0
621.5
646.2
676.1
703.6
713.4
713.7
701.1
671.5
629.6
585.6
545.5
509.9
465.4
415.4
365.7
321.2
283.9
246.9
225.9
212.7
203.5
197.2
190.3
178.6
168.8
164.8
164.5
161.9
175.4
174.0
122.9
94.7
72.6
54.8
27.8
0.0

F REPORT)