

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: P944943

Luminaire Tested: **GALN-SB1A-750-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944943
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-SB1A-750-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4640 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

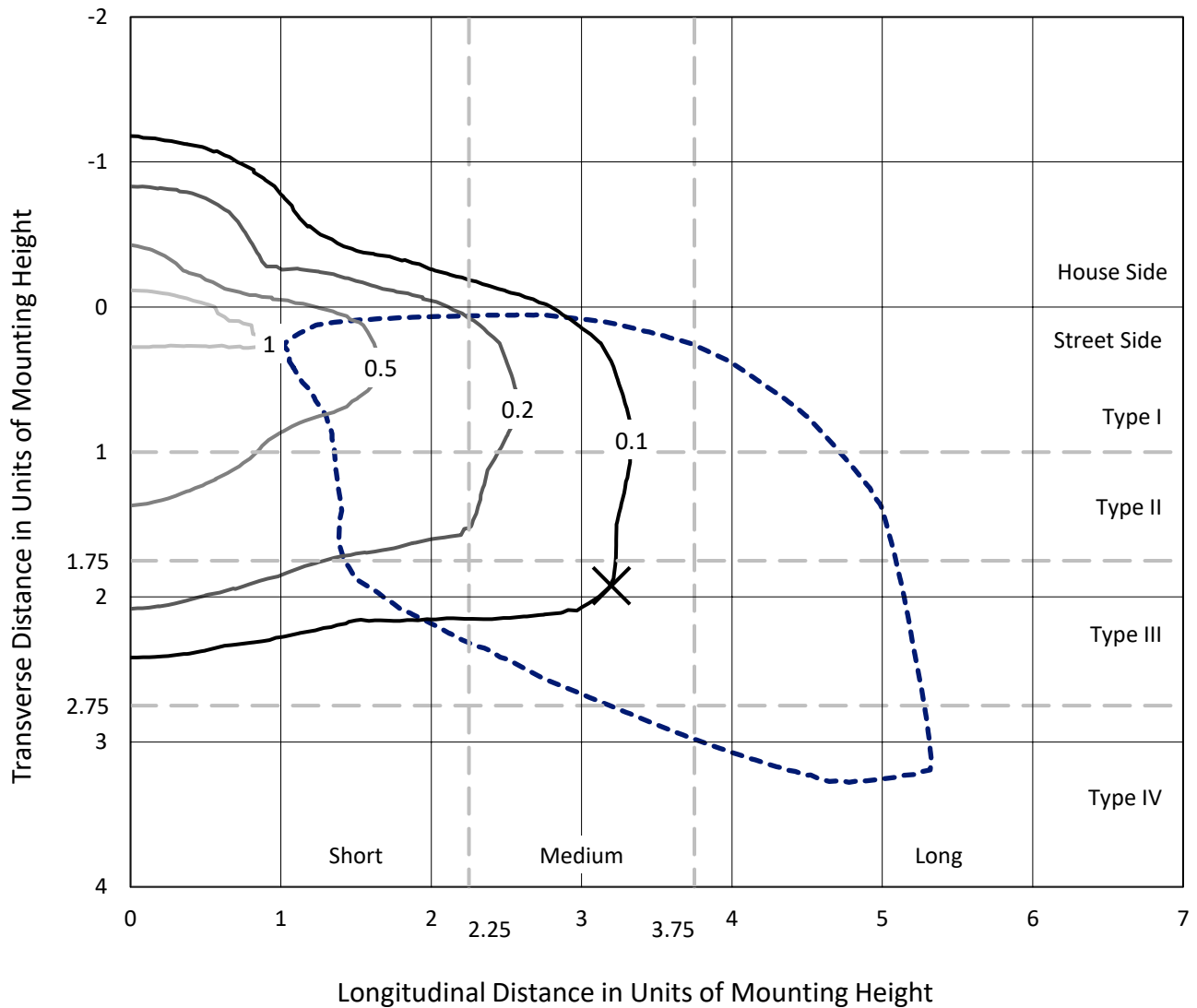
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944943
 CATALOG NUMBER: GALN-SB1A-750-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

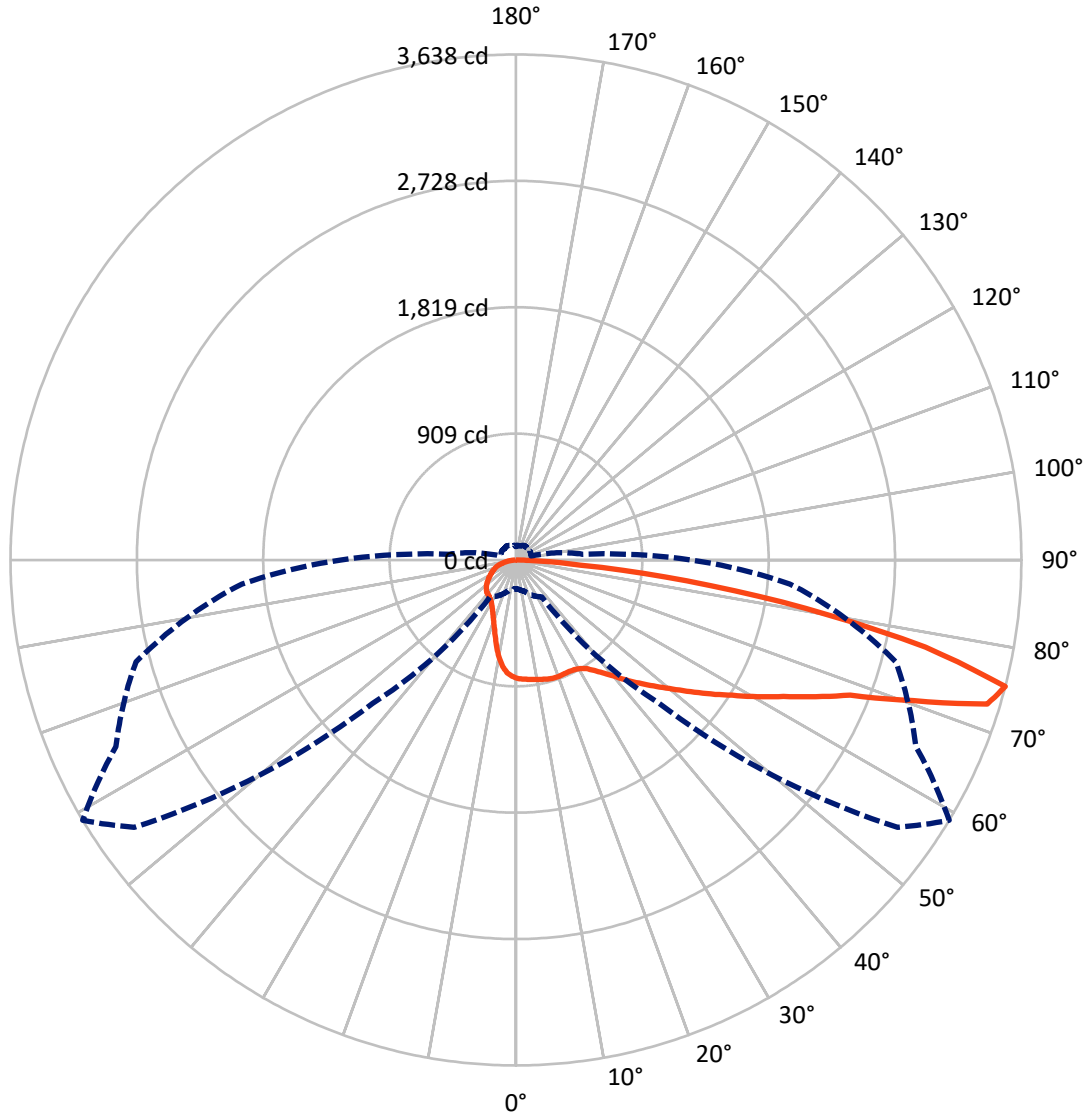
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P944943
CATALOG NUMBER: GALN-SB1A-750-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P944943
 CATALOG NUMBER: GALN-SB1A-750-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	870.3	0.0	870.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3769.7	0.0	3769.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	4640.0	0.0	4640.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.6
10°-20°	195.2	4.2
20°-30°	296.5	6.4
30°-40°	440.7	9.5
40°-50°	655.4	14.1
50°-60°	889.7	19.2
60°-70°	1086.1	23.4
70°-80°	852.4	18.4
80°-90°	147.7	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°	4640.0	100.0
0°-180°	4640.0	100.0

Coefficient of Utilization



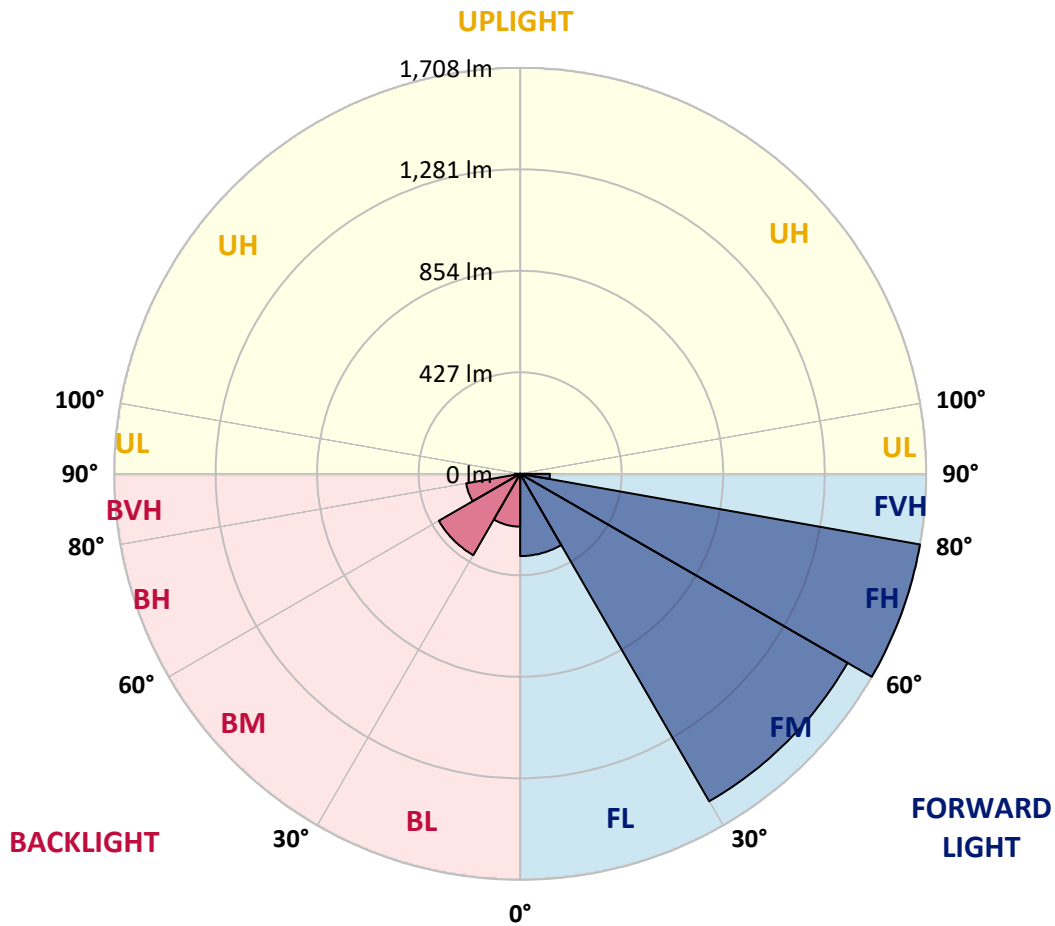
REPORT NUMBER: P944943
 CATALOG NUMBER: GALN-SB1A-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.0	7.5			
FM (30°-60°)	1590.8	34.3			
FH (60°-80°)	1707.9	36.8			G1/1800
FVH (80°-90°)	125.1	2.7			G2/225
BL (0°-30°)	222.1	4.8	B1/500		
BM (30°-60°)	395.0	8.5	B1/1000		
BH (60°-80°)	230.6	5.0	B1/500		G1/500
BVH (80°-90°)	22.6	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: P944943

CATALOG NUMBER: GALN-SB1A-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	851.7	851.7	851.7	851.7	851.7	851.7	851.7	851.7	851.7	851.7
2.5°	858.9	855.9	858.9	857.7	857.2	856.2	856.4	858.2	857.2	858.4
5°	853.2	851.4	854.4	853.7	856.9	857.4	860.6	862.6	863.9	864.1
7.5°	843.7	841.9	846.2	849.7	856.7	858.7	865.4	868.6	870.4	873.4
10°	809.0	808.2	818.7	831.9	848.4	858.7	868.9	874.4	877.1	885.1
12.5°	747.6	748.6	762.3	787.8	820.7	853.7	872.9	880.9	885.1	895.1
15°	688.9	688.7	703.6	730.9	777.0	831.7	874.9	888.6	895.8	910.6
17.5°	655.0	654.0	664.5	685.2	728.1	798.0	869.9	892.8	908.3	926.8
20°	648.7	646.7	652.2	662.5	692.9	761.1	856.9	892.8	918.3	942.3
22.5°	671.4	668.2	666.0	664.7	678.2	730.6	842.2	889.9	933.0	964.5
25°	717.1	712.1	700.6	689.4	685.4	716.9	829.2	889.1	955.0	994.4
27.5°	791.0	784.8	761.6	734.6	710.4	723.9	823.5	893.6	979.2	1026.1
30°	882.6	875.9	846.7	805.2	761.8	749.8	830.7	906.8	1010.2	1068.3
32.5°	964.7	957.2	932.3	890.1	831.4	794.8	853.7	932.0	1058.8	1127.0
35°	1037.6	1028.9	1006.4	967.5	916.8	857.9	895.1	976.7	1128.0	1222.3
37.5°	1109.0	1098.8	1074.3	1033.1	997.7	942.0	952.3	1034.1	1219.8	1338.1
40°	1188.9	1174.2	1144.5	1103.8	1069.3	1040.6	1027.4	1104.5	1313.2	1467.4
42.5°	1266.3	1252.3	1216.8	1182.1	1139.0	1130.7	1114.5	1186.9	1415.3	1609.5
45°	1349.6	1332.9	1290.0	1246.0	1218.8	1190.6	1198.9	1269.3	1515.4	1754.2
47.5°	1427.8	1409.0	1358.4	1309.4	1294.5	1241.0	1276.2	1359.9	1619.5	1901.0
50°	1469.9	1451.5	1409.3	1365.1	1353.4	1303.2	1360.1	1459.5	1728.5	2047.3
52.5°	1505.1	1485.2	1430.0	1405.5	1402.0	1370.8	1463.5	1573.3	1837.6	2176.6
55°	1542.6	1520.4	1450.0	1428.0	1444.0	1446.7	1586.0	1702.3	1952.9	2302.6
57.5°	1585.8	1557.6	1469.2	1447.0	1484.9	1535.6	1726.8	1836.1	2066.3	2419.4
60°	1626.4	1598.0	1506.1	1477.2	1529.1	1638.7	1888.3	1998.1	2194.6	2523.5
62.5°	1634.4	1611.0	1535.6	1535.3	1589.0	1759.0	2079.5	2161.6	2306.6	2626.4
65°	1496.1	1481.4	1436.7	1533.1	1674.9	1932.2	2292.4	2370.8	2449.2	2716.2
67.5°	1138.7	1140.7	1137.5	1323.4	1605.5	2181.1	2600.7	2594.7	2625.1	2817.1
70°	520.7	532.4	608.8	913.6	1286.2	2209.8	3110.4	3032.7	2846.0	2947.6
72.5°	281.3	290.3	321.5	442.6	773.3	1964.7	3491.3	3546.4	3139.8	3035.5
75°	206.4	211.4	233.1	281.3	324.7	1460.2	3354.7	3637.8	3176.5	2830.6
77.5°	154.5	156.8	174.5	222.9	166.2	769.8	2680.5	3012.8	2719.2	2325.6
80°	112.1	114.6	127.8	167.2	116.6	281.6	1840.6	2114.7	1862.3	1482.4
82.5°	77.4	78.4	84.1	113.8	81.4	109.3	1044.4	1240.1	1039.6	520.2
85°	46.7	47.9	50.4	66.4	46.2	51.9	450.8	466.3	310.8	124.3
87.5°	19.2	20.5	22.5	28.0	18.2	14.5	74.4	93.4	58.2	36.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944943
 CATALOG NUMBER: GALN-SB1A-750-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
851.7	0°	851.7	851.7	851.7	851.7	851.7	851.7	851.7	851.7	851.7	851.7
854.2	2.5°	852.9	851.2	846.4	839.9	833.9	826.5	823.2	820.5	818.0	813.2
860.9	5°	858.2	853.4	840.7	824.2	805.5	785.0	765.0	751.3	739.6	730.9
868.6	7.5°	866.1	857.2	833.9	800.2	757.3	713.4	673.7	645.5	624.3	616.5
879.6	10°	874.4	863.6	823.2	763.8	689.7	622.0	569.4	540.4	523.4	517.9
892.6	12.5°	884.1	868.4	806.5	713.1	614.0	539.9	494.0	477.0	468.3	465.3
908.6	15°	898.3	872.4	781.3	649.7	541.9	480.0	450.3	438.6	434.1	433.8
925.0	17.5°	909.1	873.1	742.1	581.8	486.5	443.8	419.3	414.8	417.8	422.3
941.3	20°	921.1	866.4	690.7	519.9	447.5	412.1	401.9	404.9	412.1	418.6
962.7	22.5°	929.5	854.2	628.5	471.8	413.8	393.9	393.4	399.6	403.6	406.9
987.9	25°	937.0	833.4	562.6	431.3	386.1	382.9	388.4	386.4	383.6	386.4
1013.2	27.5°	942.5	800.7	503.7	395.9	366.7	375.4	372.2	367.7	367.4	368.9
1042.9	30°	940.8	757.1	455.3	362.2	352.9	361.4	353.7	352.9	352.2	352.9
1087.5	32.5°	940.8	707.4	418.1	339.0	344.2	341.0	340.2	338.5	335.5	335.2
1148.2	35°	946.0	657.7	386.1	326.5	337.0	329.2	329.7	325.5	319.2	316.3
1228.6	37.5°	956.7	617.8	354.4	320.5	324.2	324.0	322.0	314.8	303.8	294.3
1328.9	40°	982.7	606.0	332.7	317.8	318.2	321.2	316.0	302.0	277.1	261.6
1430.8	42.5°	1023.4	625.8	328.0	311.0	314.3	317.3	307.0	274.6	256.8	247.6
1537.6	45°	1075.1	660.2	338.2	301.3	304.8	310.0	279.6	264.1	256.1	256.3
1643.4	47.5°	1140.5	696.4	357.2	292.8	291.0	294.0	261.3	251.9	240.9	243.6
1745.0	50°	1216.1	733.1	375.2	281.3	275.8	266.1	249.6	240.6	226.6	220.2
1843.1	52.5°	1298.0	768.5	382.4	267.3	259.3	248.1	241.6	230.6	213.7	202.9
1935.7	55°	1375.6	800.7	374.4	250.6	242.9	234.1	233.1	226.4	208.2	193.2
2018.1	57.5°	1449.0	827.7	354.4	233.6	226.1	220.9	227.6	224.4	201.4	182.2
2096.0	60°	1511.1	846.2	325.5	216.4	211.2	208.4	218.7	217.7	191.9	170.5
2165.8	62.5°	1560.5	853.4	293.5	199.9	198.7	193.7	206.2	206.2	180.0	159.0
2227.2	65°	1599.2	846.4	261.1	183.7	186.2	178.7	190.9	189.5	167.2	148.8
2297.9	67.5°	1633.4	823.5	225.1	167.7	173.5	164.0	175.0	171.5	153.3	138.5
2359.0	70°	1648.7	770.0	184.2	151.8	158.8	149.5	159.0	152.5	137.5	127.5
2291.9	72.5°	1526.4	640.0	145.0	135.0	141.0	133.5	141.8	134.3	120.6	116.1
1979.1	75°	1262.8	480.2	111.6	116.8	121.3	115.6	121.1	115.6	103.1	106.3
1462.0	77.5°	917.1	324.2	85.4	97.6	99.6	96.6	101.3	95.1	83.9	83.1
728.6	80°	456.0	190.0	66.9	77.1	76.4	74.4	79.9	76.9	67.4	71.4
196.7	82.5°	132.0	81.4	48.7	54.2	52.7	53.2	57.2	58.7	87.9	87.1
61.2	85°	41.4	31.9	29.2	30.2	28.7	29.5	33.7	66.9	61.9	36.2
19.0	87.5°	10.7	11.0	7.2	7.7	8.0	9.5	10.7	40.7	19.5	12.7
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>
851.7
811.0
723.6
603.1
509.4
466.0
434.8
424.1
420.8
408.6
388.1
371.4
355.7
338.5
319.2
297.5
263.6
247.6
257.6
250.6
221.9
202.7
193.2
181.2
169.7
158.3
147.8
137.5
125.6
112.3
97.1
79.4
70.6
89.1
39.2
13.5
0.0

F REPORT)