

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: P945090

Luminaire Tested: **GALN-SB1A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945090
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-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

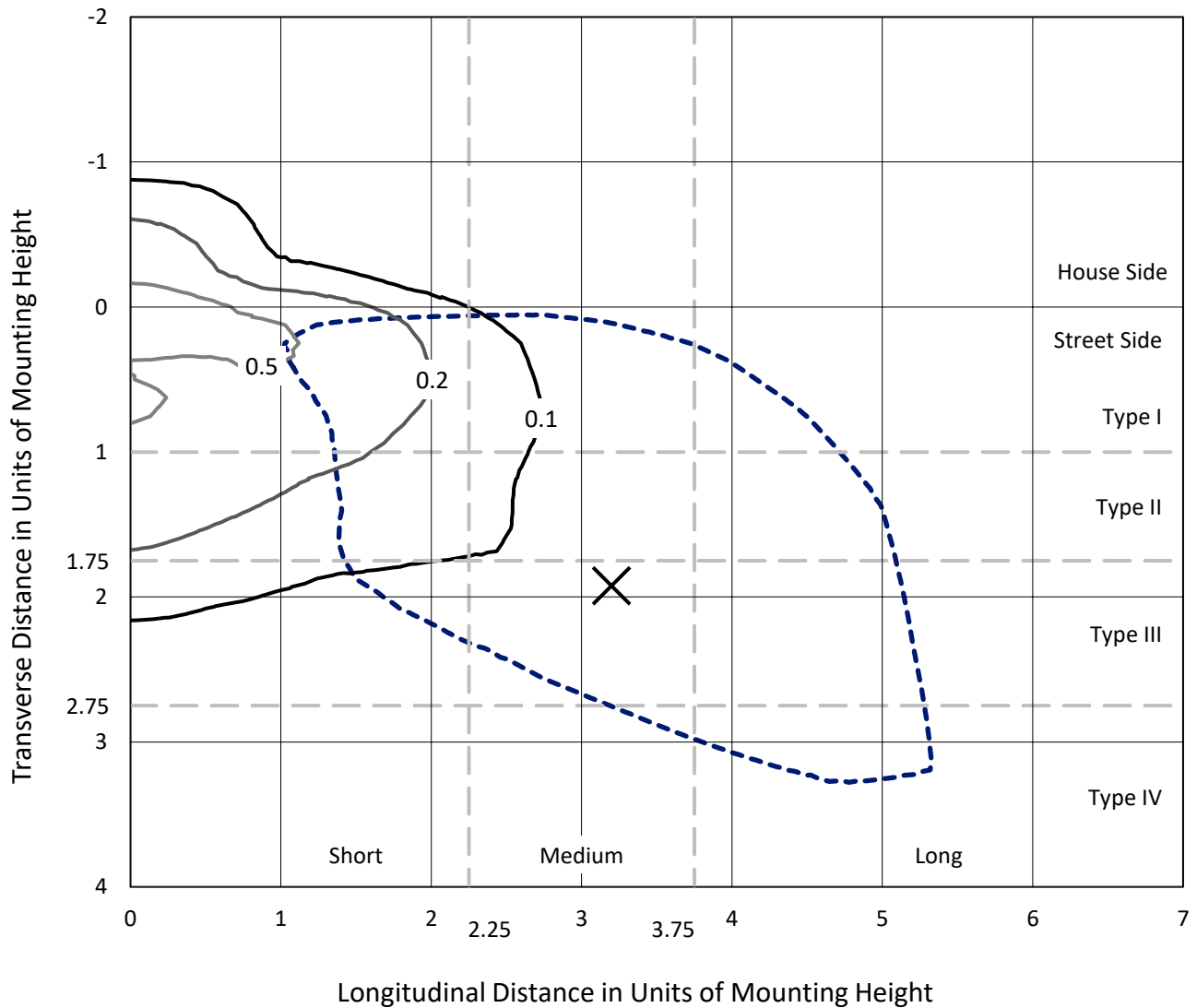
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945090
 CATALOG NUMBER: GALN-SB1A-927-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

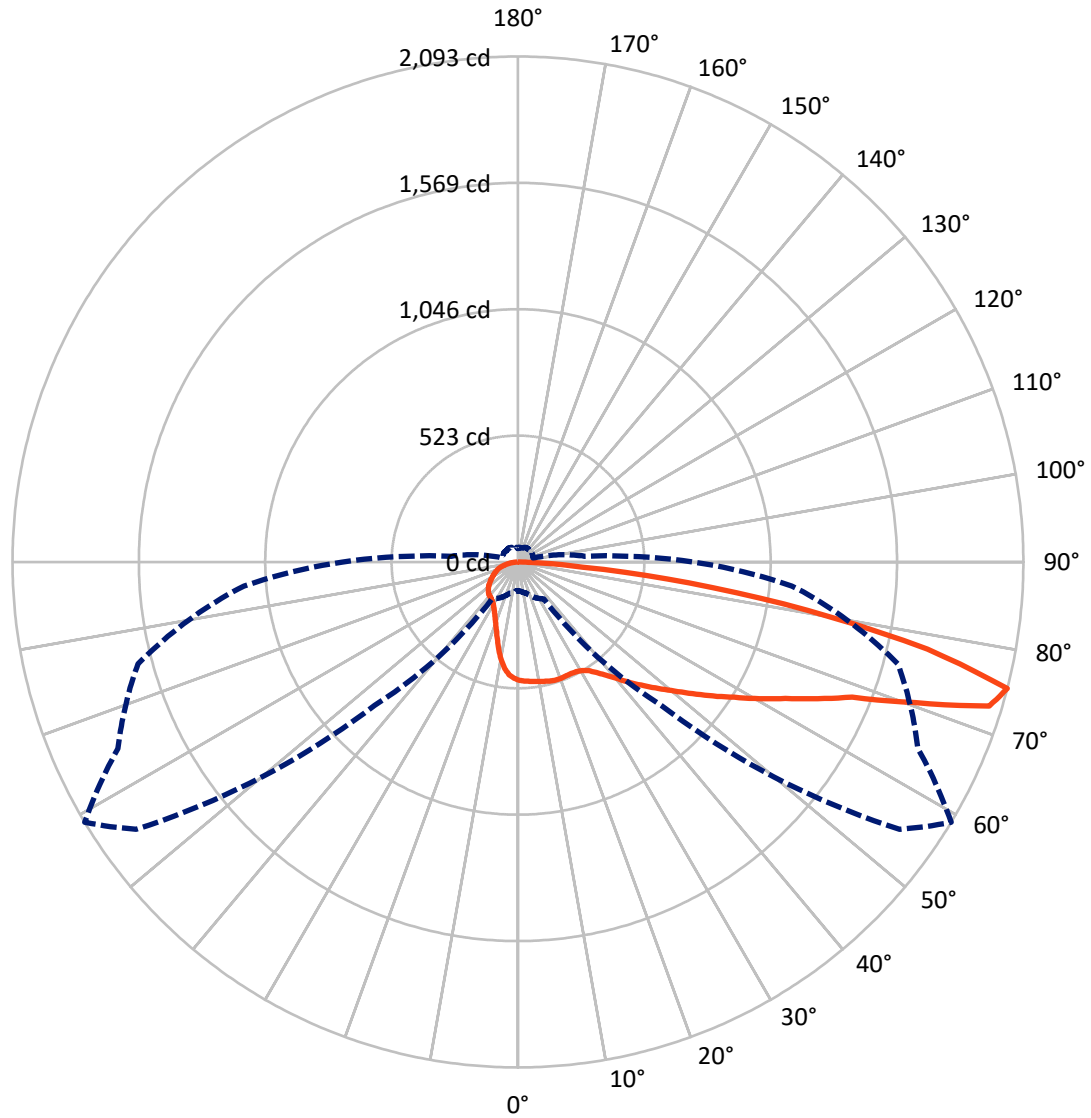
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P945090
CATALOG NUMBER: GALN-SB1A-927-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P945090
 CATALOG NUMBER: GALN-SB1A-927-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	500.6	0.0	500.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2168.4	0.0	2168.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	2669.0	0.0	2669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	1.6
10°-20°	112.3	4.2
20°-30°	170.5	6.4
30°-40°	253.5	9.5
40°-50°	377.0	14.1
50°-60°	511.7	19.2
60°-70°	624.8	23.4
70°-80°	490.3	18.4
80°-90°	84.9	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°	2669.0	100.0
0°-180°	2669.0	100.0

Coefficient of Utilization

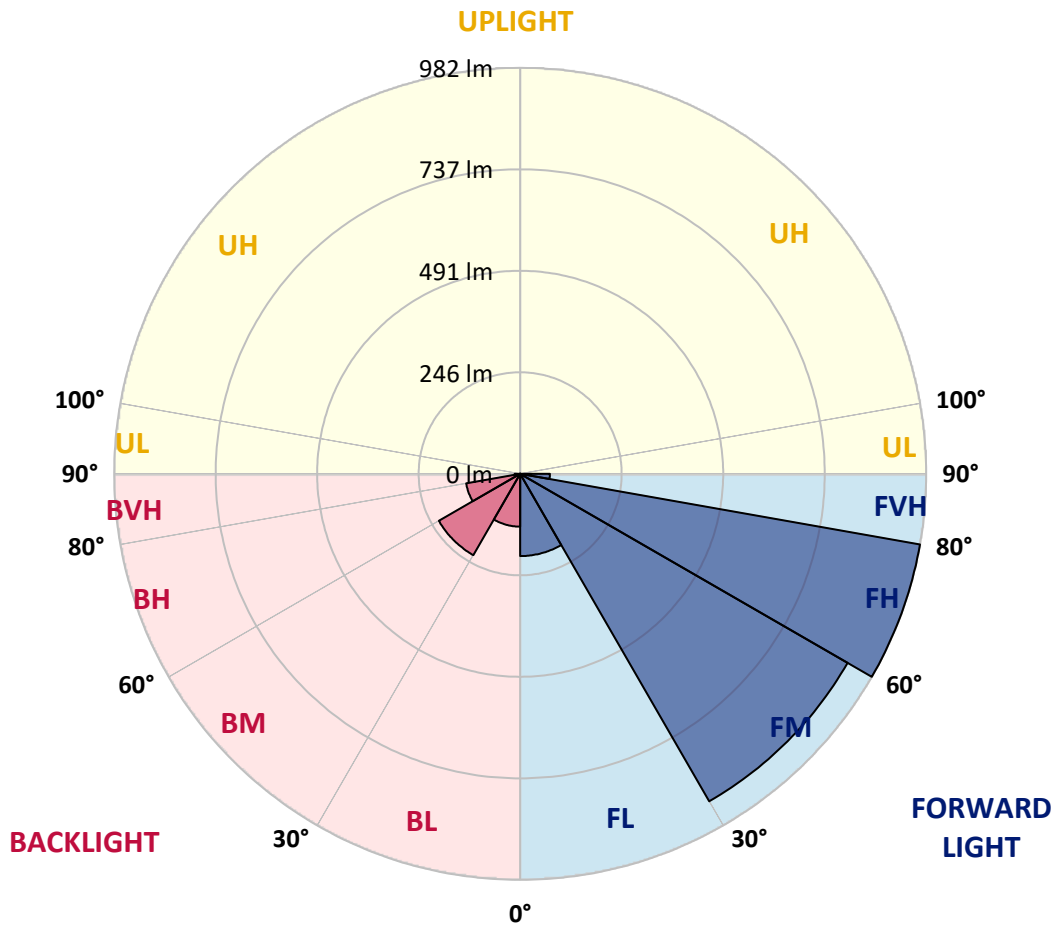


REPORT NUMBER: P945090
 CATALOG NUMBER: GALN-SB1A-927-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.0	7.5			
FM (30°-60°)	915.0	34.3			
FH (60°-80°)	982.4	36.8			G1/1800
FVH (80°-90°)	71.9	2.7			G1/100
BL (0°-30°)	127.7	4.8	B1/500		
BM (30°-60°)	227.2	8.5	B1/1000		
BH (60°-80°)	132.6	5.0	B1/500		G1/500
BVH (80°-90°)	13.0	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-G1
 Type IV Medium



REPORT NUMBER: P945090

CATALOG NUMBER: GALN-SB1A-927-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	494.1	492.3	494.1	493.3	493.0	492.5	492.6	493.6	493.0	493.8
5°	490.8	489.7	491.5	491.0	492.9	493.2	495.1	496.2	496.9	497.1
7.5°	485.3	484.3	486.7	488.7	492.8	493.9	497.8	499.7	500.7	502.4
10°	465.3	464.9	470.9	478.5	488.0	493.9	499.8	503.0	504.5	509.1
12.5°	430.0	430.6	438.5	453.1	472.1	491.0	502.1	506.7	509.1	514.9
15°	396.3	396.1	404.7	420.4	447.0	478.4	503.2	511.1	515.3	523.8
17.5°	376.7	376.2	382.2	394.1	418.8	459.0	500.4	513.6	522.5	533.1
20°	373.2	372.0	375.2	381.1	398.6	437.8	492.9	513.6	528.2	542.0
22.5°	386.2	384.4	383.1	382.3	390.1	420.3	484.4	511.9	536.7	554.8
25°	412.5	409.6	403.0	396.6	394.3	412.4	477.0	511.4	549.3	572.0
27.5°	455.0	451.4	438.1	422.6	408.6	416.4	473.7	514.0	563.3	590.3
30°	507.7	503.8	487.0	463.2	438.2	431.3	477.8	521.6	581.1	614.5
32.5°	554.9	550.6	536.3	512.0	478.3	457.2	491.0	536.1	609.1	648.3
35°	596.9	591.8	578.9	556.5	527.4	493.5	514.9	561.8	648.8	703.1
37.5°	637.9	632.0	618.0	594.3	573.9	541.9	547.8	594.8	701.7	769.7
40°	683.9	675.4	658.3	634.9	615.1	598.6	591.0	635.3	755.4	844.1
42.5°	728.4	720.3	699.9	680.0	655.1	650.4	641.1	682.7	814.1	925.8
45°	776.3	766.7	742.0	716.7	701.1	684.9	689.6	730.1	871.7	1009.1
47.5°	821.3	810.5	781.4	753.2	744.6	713.9	734.1	782.2	931.5	1093.5
50°	845.5	834.9	810.6	785.2	778.5	749.6	782.4	839.5	994.3	1177.6
52.5°	865.8	854.3	822.6	808.5	806.5	788.5	841.8	905.0	1057.0	1252.0
55°	887.3	874.5	834.0	821.4	830.6	832.2	912.3	979.2	1123.4	1324.5
57.5°	912.2	895.9	845.1	832.3	854.1	883.3	993.3	1056.2	1188.5	1391.7
60°	935.6	919.2	866.4	849.7	879.6	942.6	1086.2	1149.3	1262.3	1451.6
62.5°	940.2	926.7	883.3	883.1	914.0	1011.8	1196.2	1243.4	1326.8	1510.7
65°	860.6	852.1	826.4	881.9	963.4	1111.4	1318.6	1363.7	1408.8	1562.4
67.5°	655.0	656.2	654.3	761.3	923.5	1254.6	1495.9	1492.5	1510.0	1620.4
70°	299.5	306.3	350.2	525.5	739.9	1271.1	1789.1	1744.5	1637.1	1695.5
72.5°	161.8	167.0	184.9	254.6	444.8	1130.1	2008.2	2040.0	1806.1	1746.1
75°	118.7	121.6	134.1	161.8	186.8	839.9	1929.7	2092.5	1827.2	1628.2
77.5°	88.9	90.2	100.4	128.2	95.6	442.8	1541.9	1733.0	1564.1	1337.7
80°	64.5	65.9	73.5	96.2	67.1	162.0	1058.7	1216.4	1071.2	852.7
82.5°	44.5	45.1	48.4	65.5	46.8	62.9	600.7	713.3	598.0	299.2
85°	26.8	27.6	29.0	38.2	26.6	29.9	259.3	268.2	178.8	71.5
87.5°	11.1	11.8	12.9	16.1	10.5	8.3	42.8	53.7	33.5	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945090
 CATALOG NUMBER: GALN-SB1A-927-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
489.9	0°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
491.3	2.5°	490.6	489.6	486.9	483.1	479.7	475.4	473.5	471.9	470.5	467.8
495.2	5°	493.6	490.9	483.6	474.1	463.3	451.6	440.1	432.2	425.4	420.4
499.7	7.5°	498.2	493.0	479.7	460.3	435.6	410.3	387.5	371.3	359.1	354.6
506.0	10°	503.0	496.8	473.5	439.3	396.7	357.8	327.5	310.8	301.1	297.9
513.4	12.5°	508.6	499.5	463.9	410.2	353.2	310.6	284.1	274.4	269.4	267.6
522.6	15°	516.7	501.8	449.4	373.7	311.7	276.1	259.0	252.3	249.7	249.5
532.1	17.5°	522.9	502.2	426.9	334.7	279.8	255.3	241.2	238.6	240.3	242.9
541.4	20°	529.8	498.4	397.3	299.1	257.4	237.0	231.2	232.9	237.0	240.8
553.8	22.5°	534.7	491.3	361.5	271.4	238.1	226.6	226.3	229.9	232.2	234.0
568.3	25°	539.0	479.4	323.6	248.1	222.1	220.2	223.4	222.3	220.7	222.3
582.8	27.5°	542.2	460.6	289.7	227.7	210.9	215.9	214.1	211.5	211.3	212.2
599.9	30°	541.1	435.5	261.9	208.3	203.0	207.9	203.5	203.0	202.6	203.0
625.6	32.5°	541.1	406.9	240.5	195.0	198.0	196.1	195.7	194.7	193.0	192.8
660.5	35°	544.2	378.3	222.1	187.8	193.8	189.4	189.7	187.2	183.6	181.9
706.7	37.5°	550.3	355.4	203.9	184.4	186.5	186.4	185.2	181.1	174.7	169.3
764.4	40°	565.3	348.6	191.4	182.8	183.1	184.8	181.8	173.7	159.4	150.5
823.0	42.5°	588.7	360.0	188.7	178.9	180.8	182.5	176.6	157.9	147.7	142.4
884.4	45°	618.4	379.8	194.5	173.3	175.3	178.3	160.8	151.9	147.3	147.5
945.3	47.5°	656.0	400.6	205.5	168.4	167.4	169.1	150.3	144.9	138.6	140.1
1003.8	50°	699.5	421.7	215.8	161.8	158.7	153.1	143.6	138.4	130.4	126.6
1060.2	52.5°	746.6	442.1	220.0	153.8	149.2	142.7	139.0	132.7	122.9	116.7
1113.4	55°	791.3	460.6	215.4	144.2	139.7	134.7	134.1	130.2	119.7	111.1
1160.8	57.5°	833.5	476.1	203.9	134.4	130.1	127.1	130.9	129.1	115.9	104.8
1205.6	60°	869.2	486.7	187.2	124.5	121.5	119.9	125.8	125.2	110.4	98.1
1245.8	62.5°	897.7	490.9	168.8	115.0	114.3	111.4	118.6	118.6	103.5	91.5
1281.1	65°	919.9	486.9	150.2	105.7	107.1	102.8	109.8	109.0	96.2	85.6
1321.8	67.5°	939.6	473.7	129.5	96.5	99.8	94.3	100.6	98.6	88.2	79.7
1357.0	70°	948.3	442.9	106.0	87.3	91.3	86.0	91.5	87.7	79.1	73.4
1318.3	72.5°	878.0	368.1	83.4	77.7	81.1	76.8	81.6	77.2	69.3	66.8
1138.4	75°	726.4	276.2	64.2	67.2	69.8	66.5	69.6	66.5	59.3	61.2
840.9	77.5°	527.5	186.5	49.1	56.1	57.3	55.6	58.3	54.7	48.2	47.8
419.1	80°	262.3	109.3	38.5	44.4	43.9	42.8	45.9	44.2	38.8	41.1
113.1	82.5°	76.0	46.8	28.0	31.2	30.3	30.6	32.9	33.7	50.5	50.1
35.2	85°	23.8	18.4	16.8	17.4	16.5	16.9	19.4	38.5	35.6	20.8
10.9	87.5°	6.2	6.3	4.2	4.5	4.6	5.5	6.2	23.4	11.2	7.3
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>
489.9
466.5
416.2
346.9
293.0
268.1
250.1
243.9
242.1
235.0
223.3
213.6
204.6
194.7
183.6
171.1
151.6
142.4
148.2
144.2
127.6
116.6
111.1
104.2
97.6
91.0
85.0
79.1
72.2
64.6
55.9
45.7
40.6
51.3
22.5
7.8
0.0

F REPORT)