

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: P939345

Luminaire Tested: **GALN-SB1D-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6139 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

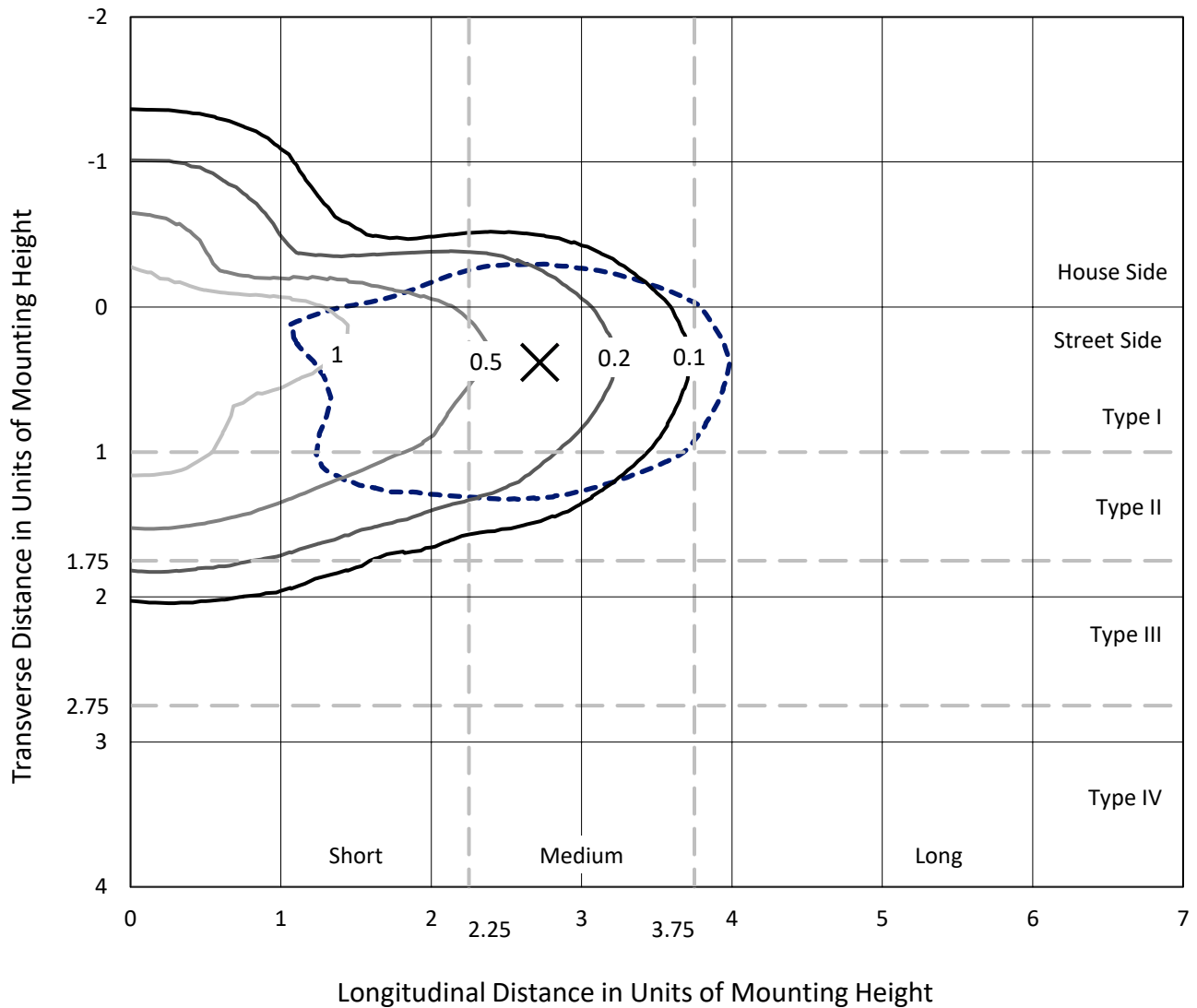
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939345
 CATALOG NUMBER: GALN-SB1D-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

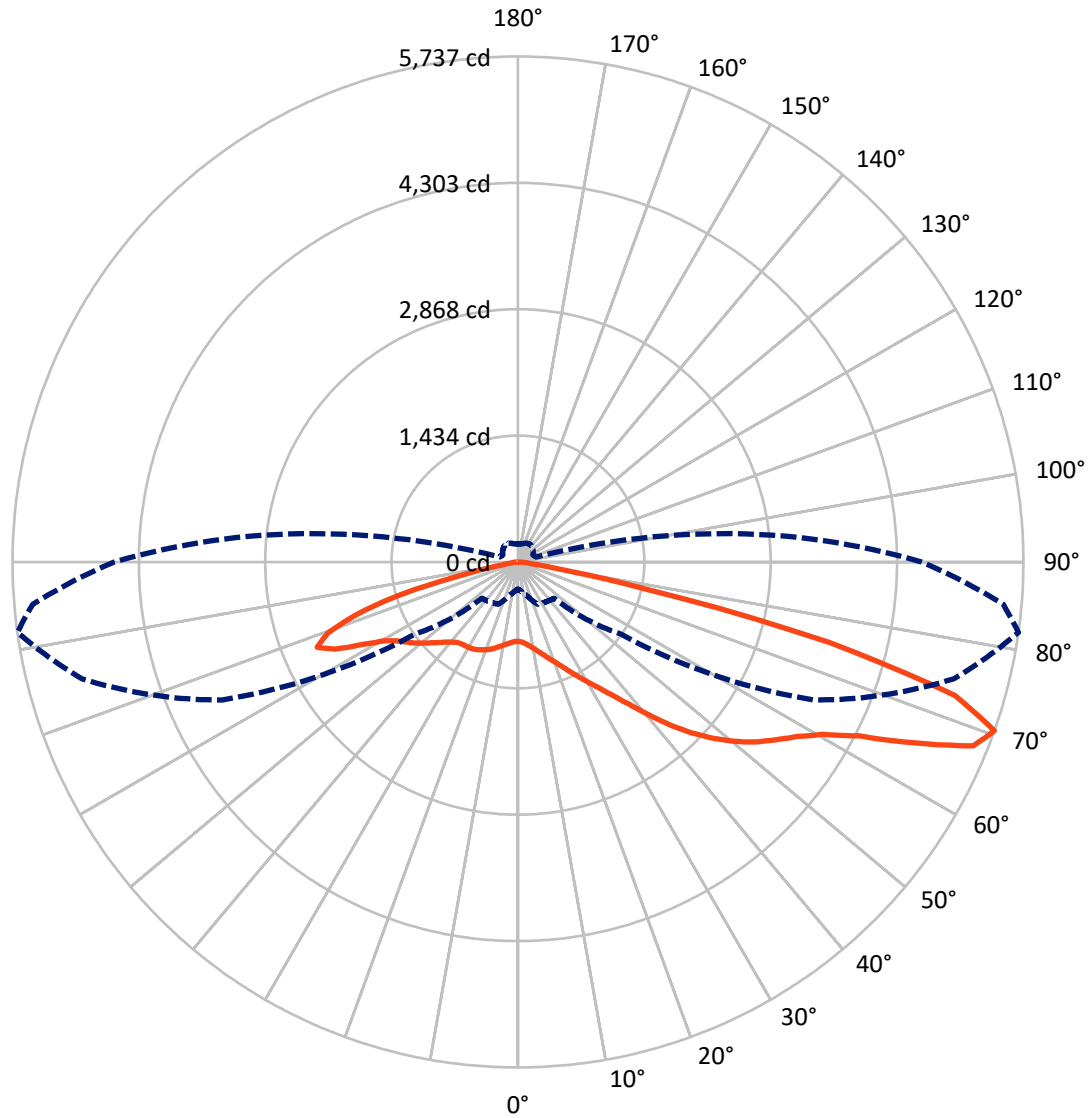
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P939345
CATALOG NUMBER: GALN-SB1D-927-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P939345
 CATALOG NUMBER: GALN-SB1D-927-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.4	0.0	1513.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4625.6	0.0	4625.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	6139.0	0.0	6139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	1.4
10°-20°	244.2	4.0
20°-30°	408.4	6.7
30°-40°	638.1	10.4
40°-50°	1016.3	16.6
50°-60°	1414.2	23.0
60°-70°	1479.4	24.1
70°-80°	773.2	12.6
80°-90°	80.3	1.3
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°	6139.0	100.0
0°-180°	6139.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939345

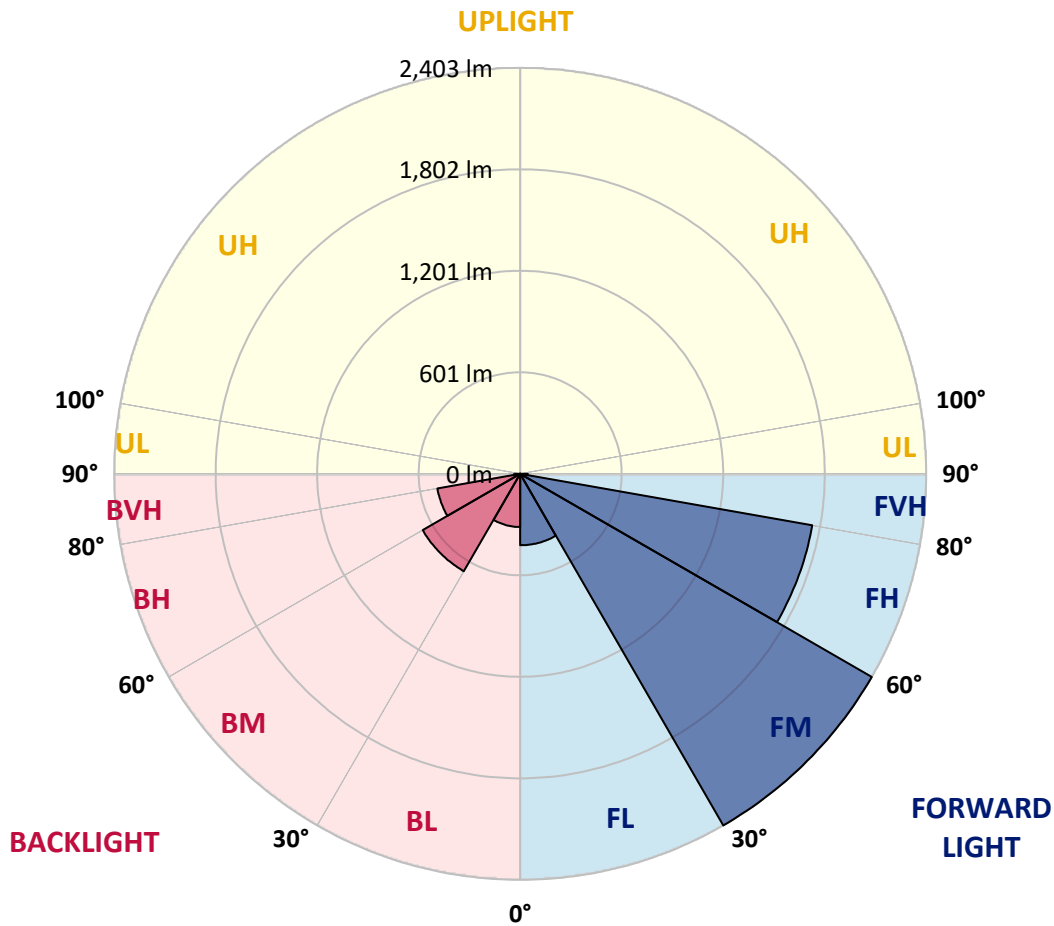
CATALOG NUMBER: GALN-SB1D-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.7	6.9			
FM (30°-60°)	2402.7	39.1			
FH (60°-80°)	1755.2	28.6			G1/1800
FVH (80°-90°)	44.9	0.7			G1/100
BL (0°-30°)	314.8	5.1	B1/500		
BM (30°-60°)	665.8	10.8	B1/1000		
BH (60°-80°)	497.4	8.1	B1/500		G1/500
BVH (80°-90°)	35.3	0.6			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 II Medium



REPORT NUMBER: P939345

CATALOG NUMBER: GALN-SB1D-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1
2.5°	921.6	926.8	925.1	923.5	923.5	921.2	920.9	917.6	915.0	910.8
5°	933.3	938.8	938.2	939.5	943.7	944.7	945.7	943.7	938.5	933.3
7.5°	922.9	929.0	931.0	938.8	951.8	963.6	972.4	976.0	971.1	963.6
10°	887.7	894.5	901.4	919.9	943.1	970.7	994.2	1008.2	1007.2	1000.1
12.5°	816.3	823.5	838.2	874.3	916.7	965.5	1009.2	1038.5	1048.6	1043.4
15°	759.3	765.5	776.6	813.7	868.8	943.1	1014.7	1071.7	1097.5	1094.5
17.5°	757.7	760.3	767.1	784.7	827.1	907.9	1008.9	1104.3	1153.5	1153.2
20°	786.4	787.3	791.3	794.8	818.9	881.2	993.9	1131.3	1216.4	1216.4
22.5°	826.1	825.5	829.4	826.1	837.8	878.9	984.4	1155.1	1286.4	1291.6
25°	885.7	882.5	881.5	874.0	876.3	900.1	994.8	1182.2	1369.5	1380.2
27.5°	965.2	960.0	956.4	939.1	933.3	943.7	1026.8	1214.7	1462.0	1480.5
30°	1068.8	1059.3	1054.1	1024.2	1003.0	1004.6	1075.0	1258.1	1558.7	1588.7
32.5°	1210.2	1195.5	1181.5	1132.3	1093.6	1080.8	1137.2	1318.0	1663.6	1711.5
35°	1368.5	1356.8	1341.8	1265.9	1206.3	1176.9	1221.2	1401.7	1786.4	1862.3
37.5°	1520.9	1510.8	1518.0	1415.7	1338.8	1296.2	1331.4	1514.1	1937.9	2050.0
40°	1678.6	1670.8	1671.8	1574.0	1484.5	1436.6	1464.9	1655.1	2111.5	2273.1
42.5°	1849.9	1844.1	1824.5	1737.9	1637.2	1592.6	1618.7	1818.0	2297.9	2527.2
45°	2041.8	2038.2	2020.0	1920.6	1805.3	1755.2	1790.3	1997.8	2485.2	2766.3
47.5°	2207.6	2210.6	2208.3	2124.6	2005.0	1931.4	1973.4	2185.5	2659.4	2991.1
50°	2287.4	2302.7	2325.2	2299.2	2224.9	2150.0	2158.1	2366.6	2825.6	3201.8
52.5°	2245.7	2274.7	2336.0	2377.7	2406.3	2390.7	2368.9	2546.4	2981.9	3392.1
55°	2090.4	2131.1	2232.7	2333.4	2479.6	2593.3	2622.0	2745.8	3134.4	3559.5
57.5°	1807.3	1873.4	1964.6	2168.2	2414.5	2691.4	2917.1	3022.3	3296.0	3738.3
60°	1321.9	1410.5	1523.9	1826.8	2186.5	2638.9	3168.3	3447.1	3525.6	3969.9
62.5°	846.0	900.7	1004.9	1290.3	1703.7	2370.2	3245.1	3978.1	3914.9	4349.8
65°	579.2	614.4	709.8	870.1	1101.4	1764.3	3039.3	4376.2	4533.2	4951.8
67.5°	420.9	447.6	529.0	669.4	717.6	1044.0	2358.4	4357.9	5134.2	5572.0
70°	306.9	325.8	394.2	529.0	552.2	580.8	1428.8	3704.5	5121.2	5736.8
72.5°	227.4	240.4	286.3	410.4	446.9	392.2	707.2	2692.3	4400.6	5188.9
75°	164.5	174.3	208.2	314.0	357.7	298.7	352.8	1573.4	3069.6	3650.1
77.5°	125.7	133.2	155.4	230.0	286.3	224.1	218.9	723.8	1455.5	1462.6
80°	101.0	105.9	117.9	161.9	219.6	167.8	142.7	292.2	460.0	389.3
82.5°	74.3	82.4	99.7	113.7	157.0	115.6	87.0	147.6	174.9	150.5
85°	42.3	47.9	60.3	81.4	100.3	70.7	49.8	65.5	81.4	66.8
87.5°	15.0	19.5	21.2	31.9	43.7	29.3	19.2	18.9	26.7	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939345
 CATALOG NUMBER: GALN-SB1D-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
900.1	0°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1
909.8	2.5°	906.6	904.9	898.4	889.6	880.5	871.7	868.8	862.6	858.4	856.1
931.0	5°	924.8	919.6	904.3	884.7	864.2	842.1	826.4	812.1	801.7	791.9
960.0	7.5°	950.9	941.8	915.4	881.2	844.7	807.9	780.5	759.7	745.6	736.5
993.9	10°	981.2	967.2	926.8	875.6	819.3	766.5	734.2	716.3	707.5	702.6
1032.6	12.5°	1016.0	996.2	938.5	862.9	780.5	720.2	698.1	692.9	693.2	693.5
1081.5	15°	1059.0	1031.3	947.9	835.2	730.0	684.7	680.8	689.3	698.1	702.3
1136.9	17.5°	1107.6	1068.5	949.6	789.6	680.5	661.9	674.3	692.5	705.9	711.8
1198.8	20°	1159.7	1106.3	937.8	725.1	639.8	643.4	665.5	689.0	703.6	711.1
1269.5	22.5°	1219.3	1146.6	909.8	657.4	606.6	623.2	649.2	672.0	687.3	694.8
1352.5	25°	1287.4	1191.9	865.9	600.4	577.9	600.4	626.4	645.3	657.7	664.5
1445.4	27.5°	1362.9	1239.2	807.2	555.1	552.8	576.9	598.4	613.1	619.6	624.8
1544.1	30°	1438.8	1282.2	736.2	520.9	531.0	553.8	569.1	575.6	577.6	578.5
1654.2	32.5°	1520.9	1319.3	661.6	492.5	510.1	531.3	540.4	543.4	534.2	528.0
1787.7	35°	1620.3	1359.0	588.6	470.1	489.6	507.8	510.8	508.2	497.4	484.7
1955.2	37.5°	1743.1	1408.6	530.3	454.1	470.4	482.4	478.9	478.2	479.2	464.2
2156.5	40°	1893.6	1473.1	487.7	441.7	454.8	457.4	447.3	452.8	457.7	434.9
2377.3	42.5°	2060.7	1550.9	460.6	433.3	441.7	435.5	419.9	426.1	425.4	395.5
2599.2	45°	2231.1	1635.6	451.2	427.1	429.7	417.3	400.0	401.7	388.0	360.9
2811.9	47.5°	2400.5	1726.5	457.0	421.8	414.7	400.7	387.3	380.2	360.0	339.8
3015.8	50°	2566.6	1821.9	478.5	411.4	394.2	386.0	376.2	363.5	342.0	324.8
3208.7	52.5°	2720.7	1918.0	502.6	394.2	368.4	373.3	367.1	352.5	331.3	313.7
3391.1	55°	2866.6	2014.1	512.1	370.4	344.3	362.2	358.7	331.6	306.2	291.9
3582.0	57.5°	3025.6	2129.8	501.7	340.1	324.8	349.5	335.9	305.9	291.2	280.5
3830.5	60°	3245.8	2311.2	479.2	302.6	306.2	330.6	307.2	294.8	278.8	266.8
4203.2	62.5°	3611.6	2649.7	443.0	265.5	284.4	302.6	293.5	281.1	264.8	253.1
4840.4	65°	4152.4	3120.1	374.9	236.5	260.0	275.3	278.8	266.5	249.5	237.1
5398.7	67.5°	4608.4	3415.2	283.7	212.4	234.9	253.1	263.2	251.2	233.2	221.2
5529.3	70°	4583.3	3200.8	216.6	188.6	212.7	231.3	244.3	234.9	215.6	204.2
5022.5	72.5°	4070.9	2677.7	175.3	164.5	190.2	208.5	224.1	217.0	197.4	186.3
3679.4	75°	2990.7	1900.8	140.1	140.1	162.2	184.7	202.0	197.4	179.5	171.7
1544.7	77.5°	1260.7	797.4	109.8	116.3	134.9	158.6	180.1	181.8	166.1	175.9
408.5	80°	335.2	219.9	83.7	91.5	105.9	131.0	156.7	156.0	139.1	130.0
151.8	82.5°	127.7	86.7	59.6	64.5	76.6	100.3	124.1	128.0	111.1	96.1
59.6	85°	49.2	37.1	36.8	38.8	44.6	66.5	93.8	97.1	83.7	71.0
16.6	87.5°	12.7	11.1	13.7	13.0	20.5	35.5	53.7	55.7	51.1	29.6
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>
900.1
858.7
795.8
738.5
704.0
694.2
702.0
713.1
713.1
696.8
666.5
626.7
580.8
530.0
485.4
465.2
435.5
395.1
361.9
339.8
323.5
314.0
290.6
279.5
266.1
253.1
237.8
221.5
205.2
186.3
169.4
159.6
120.9
96.1
73.3
42.3
0.0

F REPORT)