

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: P945815

Luminaire Tested: **GALN-SB1C-927-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3513 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

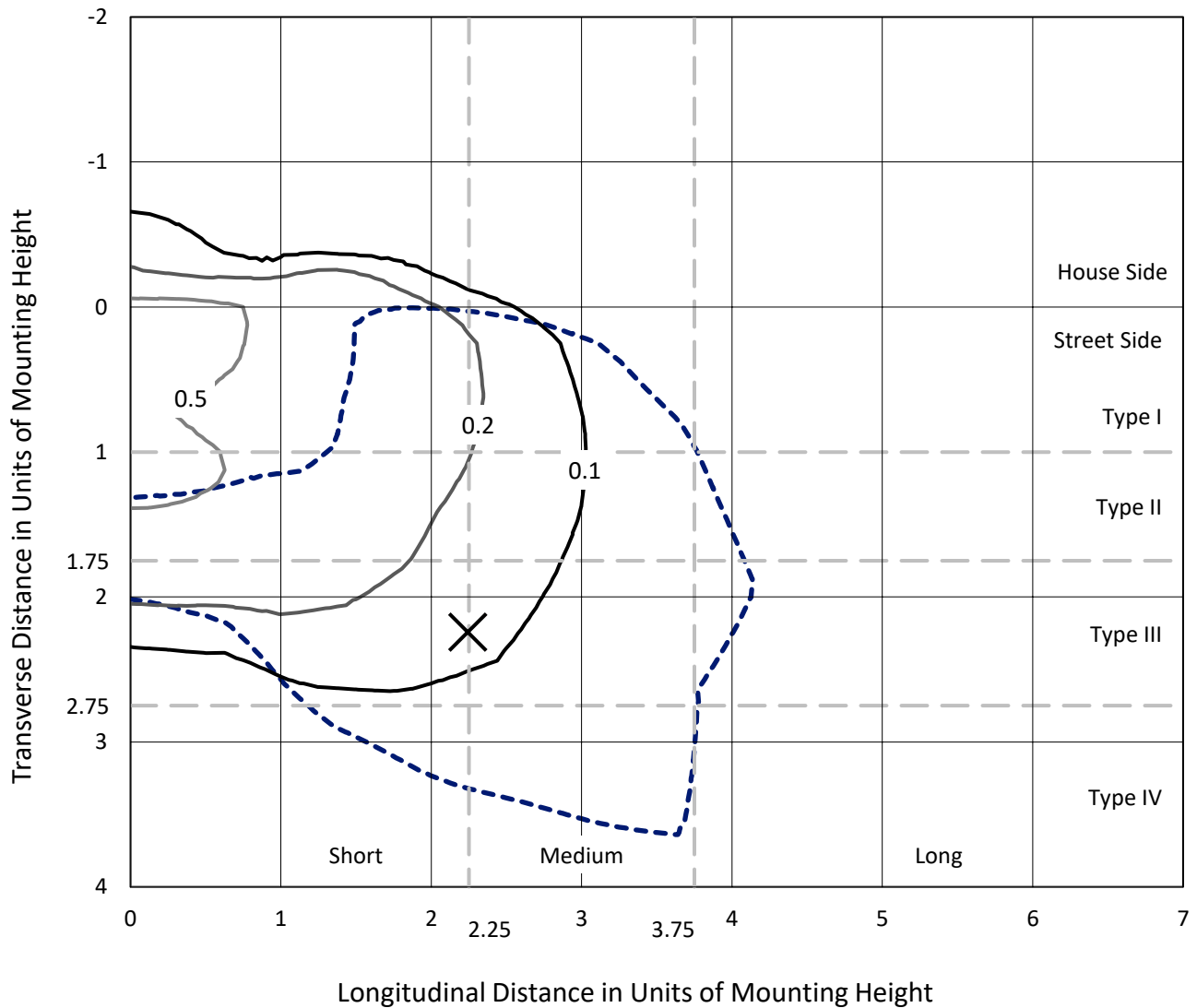
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945815
 CATALOG NUMBER: GALN-SB1C-927-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

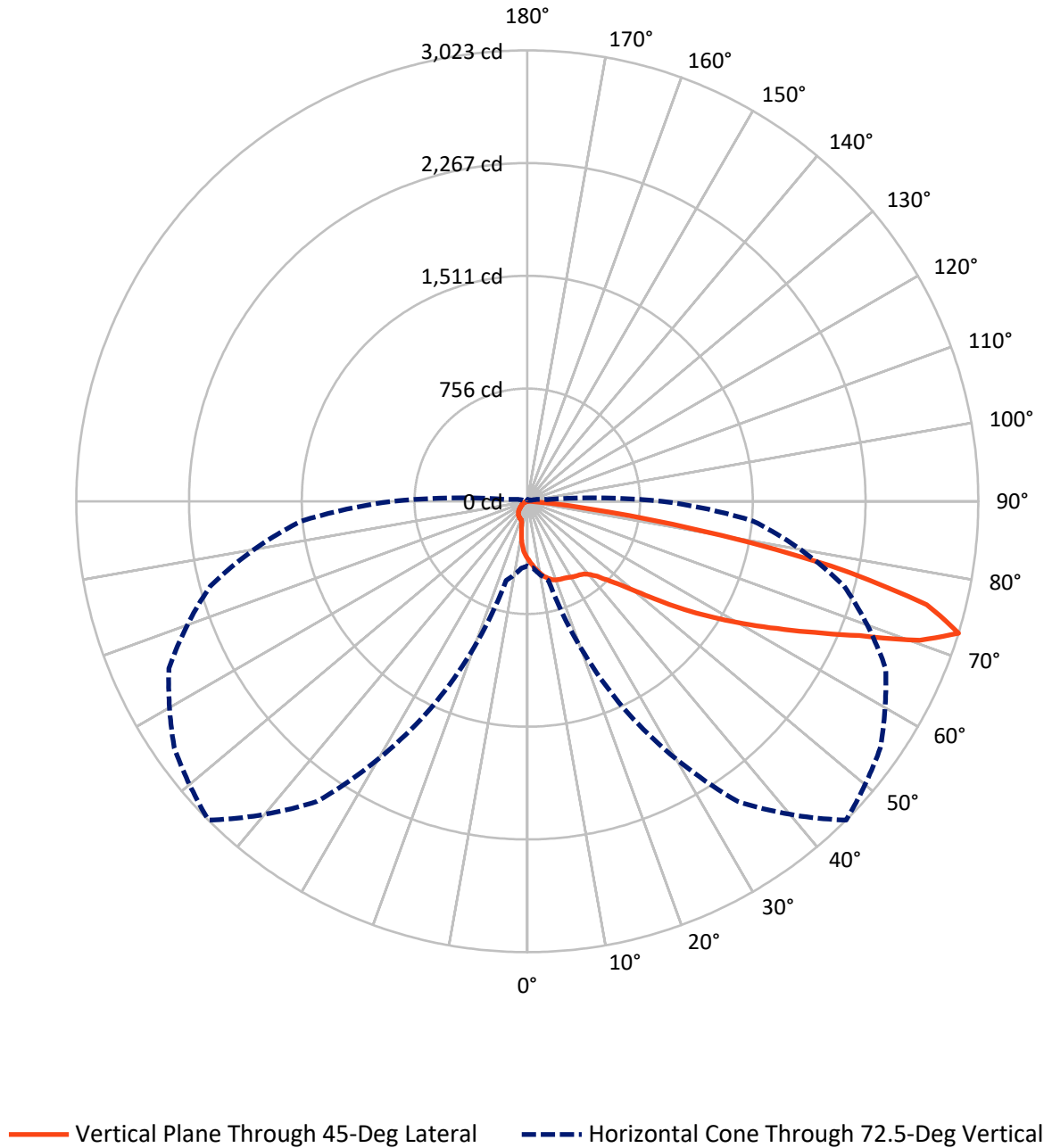
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P945815
CATALOG NUMBER: GALN-SB1C-927-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P945815
 CATALOG NUMBER: GALN-SB1C-927-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	369.1	0.0	369.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3143.9	0.0	3143.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	3513.0	0.0	3513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	1.0
10°-20°	106.0	3.0
20°-30°	174.0	5.0
30°-40°	246.8	7.0
40°-50°	408.0	11.6
50°-60°	732.9	20.9
60°-70°	1017.6	29.0
70°-80°	738.1	21.0
80°-90°	53.4	1.5
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°	3513.0	100.0
0°-180°	3513.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945815

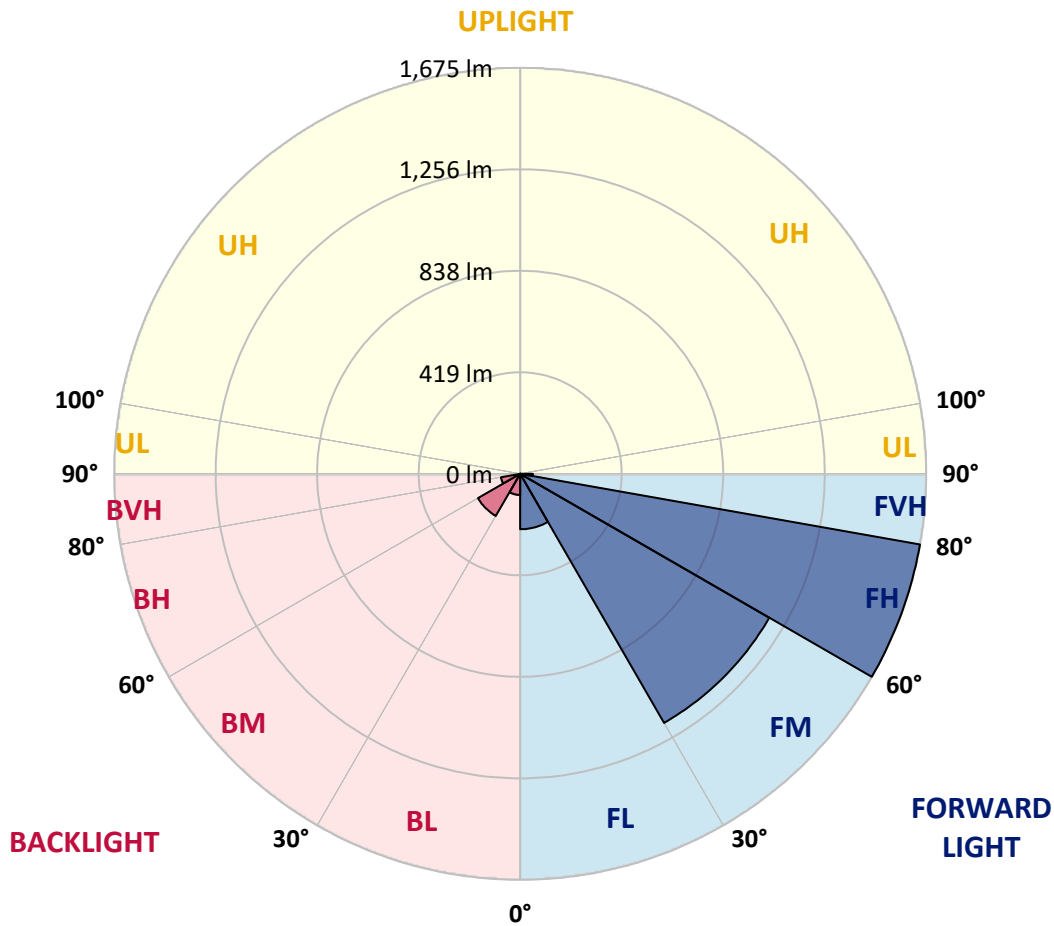
CATALOG NUMBER: GALN-SB1C-927-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.8	6.5			
FM (30°-60°)	1186.9	33.8			
FH (60°-80°)	1675.2	47.7			G1/1800
FVH (80°-90°)	52.9	1.5			G1/100
BL (0°-30°)	87.4	2.5	B0/110		
BM (30°-60°)	200.7	5.7	B0/220		
BH (60°-80°)	80.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



REPORT NUMBER: P945815
 CATALOG NUMBER: GALN-SB1C-927-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9
2.5°	420.3	421.1	420.6	417.7	412.9	410.3	408.8	404.0	400.9	395.4
5°	459.0	461.8	460.1	454.4	445.3	438.8	436.9	427.1	418.2	407.9
7.5°	500.0	501.4	498.3	490.8	478.6	467.6	465.9	452.2	438.1	422.3
10°	535.4	537.1	532.3	521.5	507.6	494.0	491.6	476.5	459.7	440.2
12.5°	565.2	566.9	560.6	547.7	532.3	518.2	515.8	500.0	481.5	459.9
15°	587.7	590.8	582.4	568.5	552.0	537.8	536.6	521.1	503.1	479.1
17.5°	600.9	604.0	596.1	579.3	565.2	553.2	551.7	538.8	522.0	499.0
20°	603.1	605.9	597.5	582.9	571.2	561.6	560.9	551.5	539.3	517.2
22.5°	596.6	600.2	592.5	580.8	572.6	567.6	566.6	561.3	554.4	535.7
25°	589.9	592.8	587.0	576.7	572.4	571.9	572.6	571.6	570.2	554.4
27.5°	589.4	592.5	586.0	576.2	573.8	578.8	579.6	584.1	585.3	571.4
30°	593.5	595.6	589.4	579.1	577.9	589.4	589.6	597.8	599.7	585.8
32.5°	602.3	604.7	598.5	583.4	581.7	597.8	598.5	609.3	612.4	601.1
35°	623.2	626.1	618.9	595.4	589.4	605.7	607.9	620.6	626.8	617.4
37.5°	675.2	666.8	657.0	619.6	606.9	618.2	621.8	636.6	647.7	636.9
40°	804.5	778.1	747.4	660.9	637.6	644.8	647.7	662.5	677.6	667.1
42.5°	998.5	967.3	917.9	755.8	683.9	687.5	689.6	702.6	723.9	715.5
45°	1171.4	1160.1	1109.7	917.9	770.4	752.7	755.3	762.0	793.5	790.3
47.5°	1304.2	1297.7	1258.9	1104.0	916.7	832.5	840.0	843.1	888.4	899.4
50°	1406.3	1403.9	1369.2	1269.4	1107.8	950.3	952.9	946.2	1014.1	1041.4
52.5°	1502.7	1510.9	1485.2	1423.1	1311.9	1104.5	1104.0	1072.3	1163.9	1205.2
55°	1589.8	1592.7	1595.3	1580.0	1517.1	1280.0	1275.4	1223.6	1337.8	1380.4
57.5°	1671.5	1672.7	1696.2	1727.7	1730.8	1468.4	1460.1	1398.0	1527.7	1558.1
60°	1726.5	1732.0	1781.6	1868.9	1907.0	1662.9	1658.4	1595.1	1720.9	1735.1
62.5°	1647.3	1680.9	1806.1	1979.2	2073.4	1878.5	1876.3	1816.9	1924.3	1912.8
65°	1333.5	1390.3	1610.4	2053.8	2236.7	2119.2	2122.3	2059.0	2133.1	2095.7
67.5°	932.8	992.7	1253.1	2059.8	2419.2	2401.9	2419.9	2320.6	2354.9	2271.0
70°	645.0	676.0	845.5	1930.8	2561.4	2791.3	2790.9	2642.0	2575.5	2350.9
72.5°	433.8	449.8	549.1	1531.8	2456.8	3022.7	3008.8	2887.5	2649.9	2198.6
75°	183.0	194.7	254.2	860.8	1943.7	2765.5	2727.8	2551.8	2354.5	1731.3
77.5°	58.0	63.1	100.2	308.1	1070.6	2078.7	2038.9	1593.6	1578.0	868.5
80°	27.6	32.1	56.3	123.7	421.3	1130.6	1125.1	723.0	678.8	234.5
82.5°	12.0	14.1	31.2	66.2	188.5	403.3	411.5	246.0	203.6	89.0
85°	3.8	5.0	14.4	30.5	79.6	100.2	99.0	58.5	82.0	48.4
87.5°	0.0	0.0	4.8	7.0	8.2	5.8	6.5	5.0	22.8	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945815
 CATALOG NUMBER: GALN-SB1C-927-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
384.9	0°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9
389.7	2.5°	386.8	382.9	376.2	370.0	364.5	359.0	355.6	350.8	350.3	350.3
395.9	5°	389.4	383.2	371.2	358.5	343.9	329.9	316.0	302.6	298.3	295.2
406.0	7.5°	397.1	387.3	368.3	344.1	316.3	285.8	264.5	241.5	232.6	227.8
419.4	10°	408.1	394.7	365.9	323.5	278.4	236.9	206.5	181.5	171.9	167.9
434.0	12.5°	420.3	403.8	361.6	297.8	236.9	187.3	157.5	146.0	144.6	144.6
451.5	15°	435.0	414.8	354.2	267.6	193.5	148.2	137.6	138.1	139.6	140.5
468.5	17.5°	450.1	426.6	342.4	233.8	155.1	133.3	133.6	134.3	135.5	136.4
487.0	20°	466.4	438.3	326.8	197.8	133.1	129.0	129.7	130.4	131.4	131.9
504.3	22.5°	483.9	449.4	308.4	162.6	125.6	125.4	125.6	126.4	127.6	127.6
524.4	25°	502.6	461.6	287.3	136.9	121.8	121.8	122.3	122.8	123.7	123.7
543.8	27.5°	521.8	472.9	265.0	123.5	118.5	118.2	118.2	118.9	119.4	119.7
563.0	30°	542.9	486.0	242.7	120.6	115.8	114.6	113.9	114.4	114.9	115.1
583.2	32.5°	564.5	498.8	222.8	121.8	113.2	111.0	108.6	108.1	108.1	109.1
604.0	35°	588.4	512.7	207.4	125.9	111.7	105.7	101.9	99.8	100.0	101.4
629.0	37.5°	617.2	529.4	196.1	129.5	110.8	99.8	93.5	90.9	89.2	90.9
663.2	40°	654.9	554.1	188.0	132.4	109.6	92.8	84.4	80.1	77.0	77.9
716.5	42.5°	710.2	593.0	184.9	132.6	106.9	84.6	75.1	69.3	64.7	65.0
796.6	45°	787.9	654.4	200.9	129.5	101.2	75.8	65.2	57.5	54.7	54.0
916.2	47.5°	894.4	743.8	238.1	123.0	92.8	67.1	55.6	49.2	47.0	45.8
1073.3	50°	1037.1	858.7	279.4	115.8	84.4	59.0	47.7	43.6	42.2	41.0
1259.6	52.5°	1202.5	975.2	313.2	108.6	76.0	51.8	42.7	40.3	39.1	38.1
1439.4	55°	1354.3	1055.5	311.2	100.9	67.9	46.0	39.1	37.6	36.2	35.2
1594.3	57.5°	1448.8	1066.8	256.6	92.6	58.5	41.5	35.7	34.8	33.1	31.9
1728.4	60°	1492.2	1002.5	179.8	81.5	49.2	37.2	32.1	31.7	29.5	27.8
1855.2	62.5°	1500.1	883.1	119.9	67.9	41.0	33.1	28.5	27.8	24.9	22.1
1958.3	65°	1468.0	712.4	83.0	53.0	35.0	28.8	24.5	23.0	19.9	17.0
1982.8	67.5°	1366.3	500.2	57.8	38.1	29.7	22.8	19.4	18.9	16.5	14.1
1858.1	70°	1180.0	285.1	38.6	28.5	23.5	15.6	15.3	15.8	13.4	11.5
1518.1	72.5°	904.7	130.4	24.0	20.9	16.1	10.6	12.2	12.5	10.3	8.6
947.2	75°	532.6	55.9	15.1	13.4	8.2	7.0	8.9	9.1	7.0	5.5
346.3	77.5°	181.3	21.1	9.6	7.9	4.1	3.8	5.8	5.8	3.8	2.2
69.5	80°	41.2	7.9	4.8	3.1	1.9	1.7	1.9	1.7	1.0	0.2
21.3	82.5°	11.7	3.1	1.9	1.2	0.7	0.7	0.2	0.0	0.0	0.0
7.4	85°	3.4	1.4	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2.6	87.5°	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
384.9
351.5
296.6
228.5
167.9
144.6
140.5
136.4
132.1
128.0
124.0
119.9
115.6
109.8
102.1
90.4
77.5
64.0
53.0
45.1
40.8
37.9
34.8
31.7
27.3
20.6
16.1
13.4
10.6
7.7
4.8
1.7
0.0
0.0
0.0
0.0
0.0

F REPORT)