

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: P945801

Luminaire Tested: **GALN-SB1C-927-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
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-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3696 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

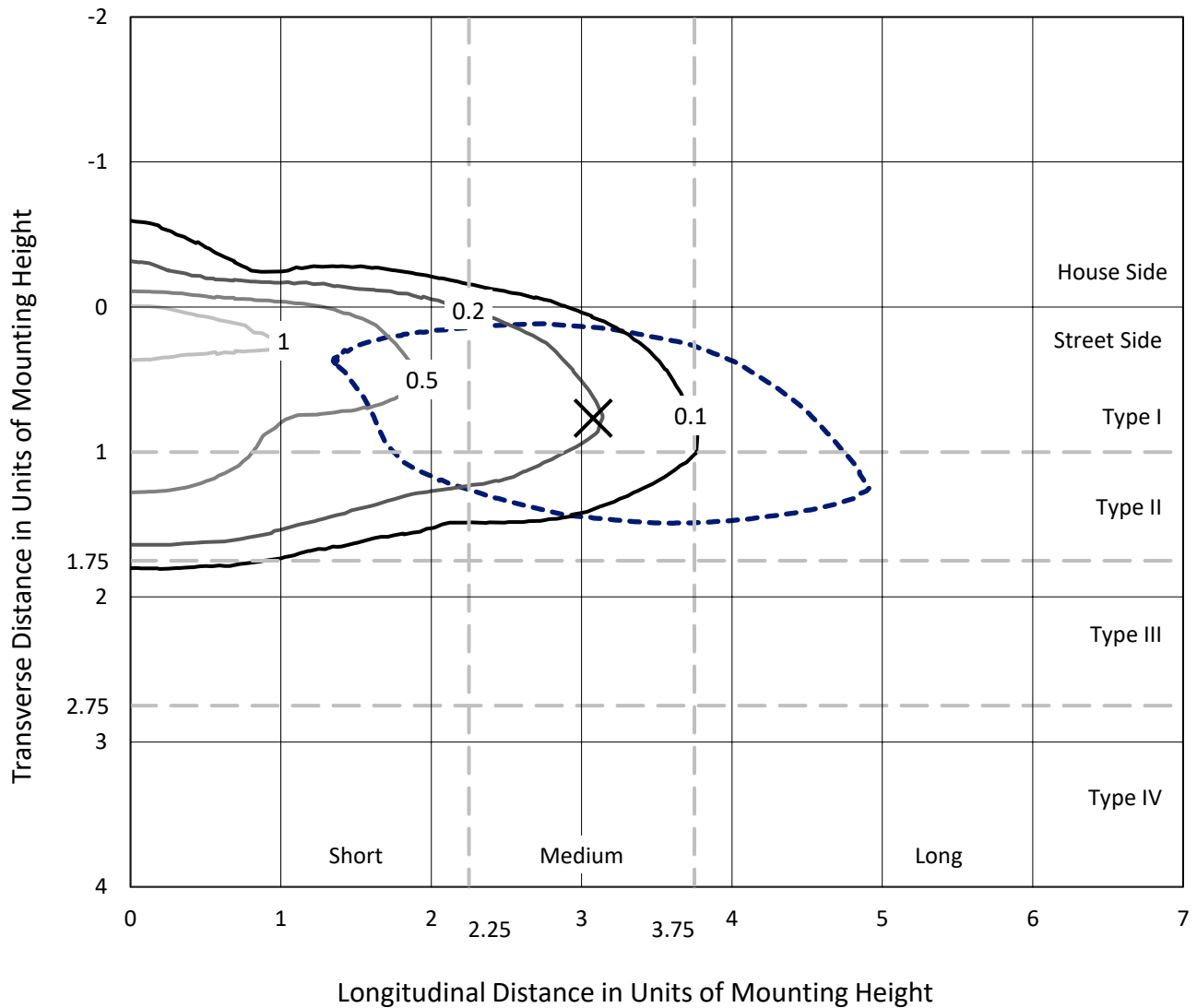
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945801
 CATALOG NUMBER: GALN-SB1C-927-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

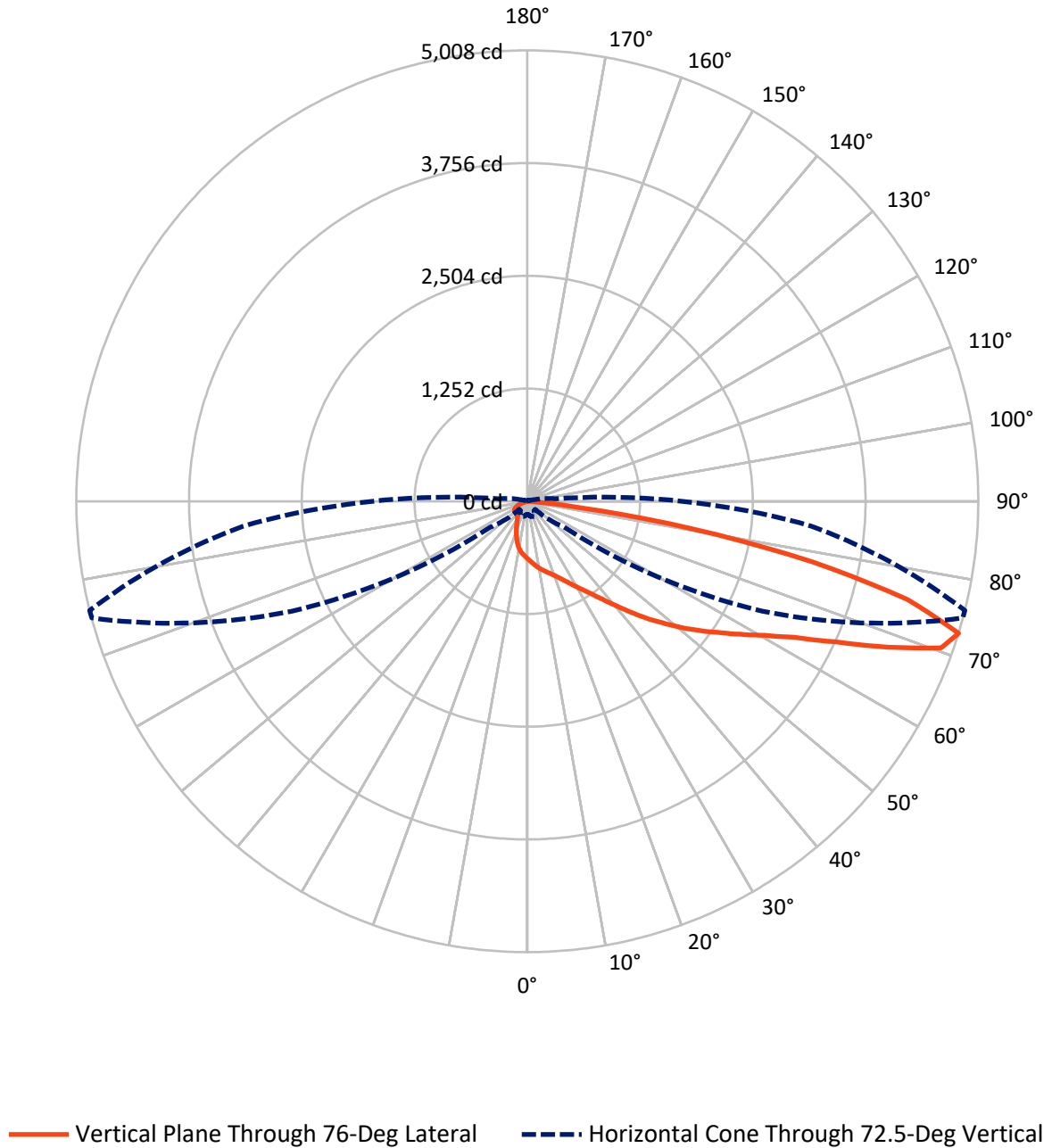
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P945801
CATALOG NUMBER: GALN-SB1C-927-U-SL2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P945801
 CATALOG NUMBER: GALN-SB1C-927-U-SL2-HSS

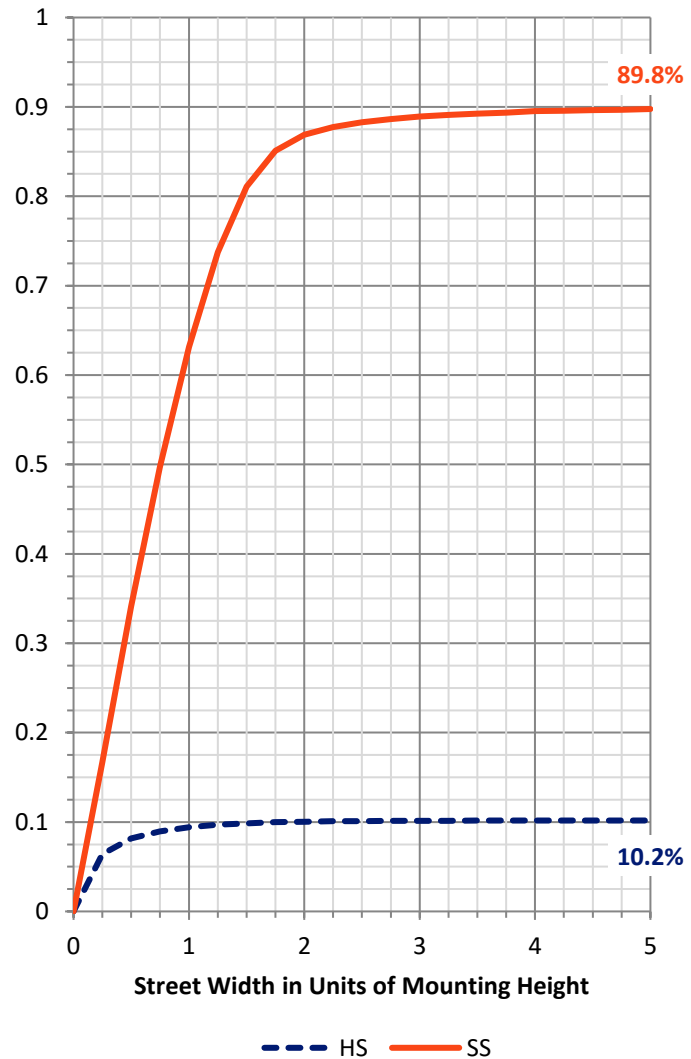
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.3	0.0	378.3
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	3317.7	0.0	3317.7
	% Fixture	89.8	0.0	89.8
Total	Lumens	3696.0	0.0	3696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.6
10°-20°	155.8	4.2
20°-30°	246.5	6.7
30°-40°	381.4	10.3
40°-50°	579.3	15.7
50°-60°	798.6	21.6
60°-70°	843.7	22.8
70°-80°	578.8	15.7
80°-90°	53.9	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°	3696.0	100.0
0°-180°	3696.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945801

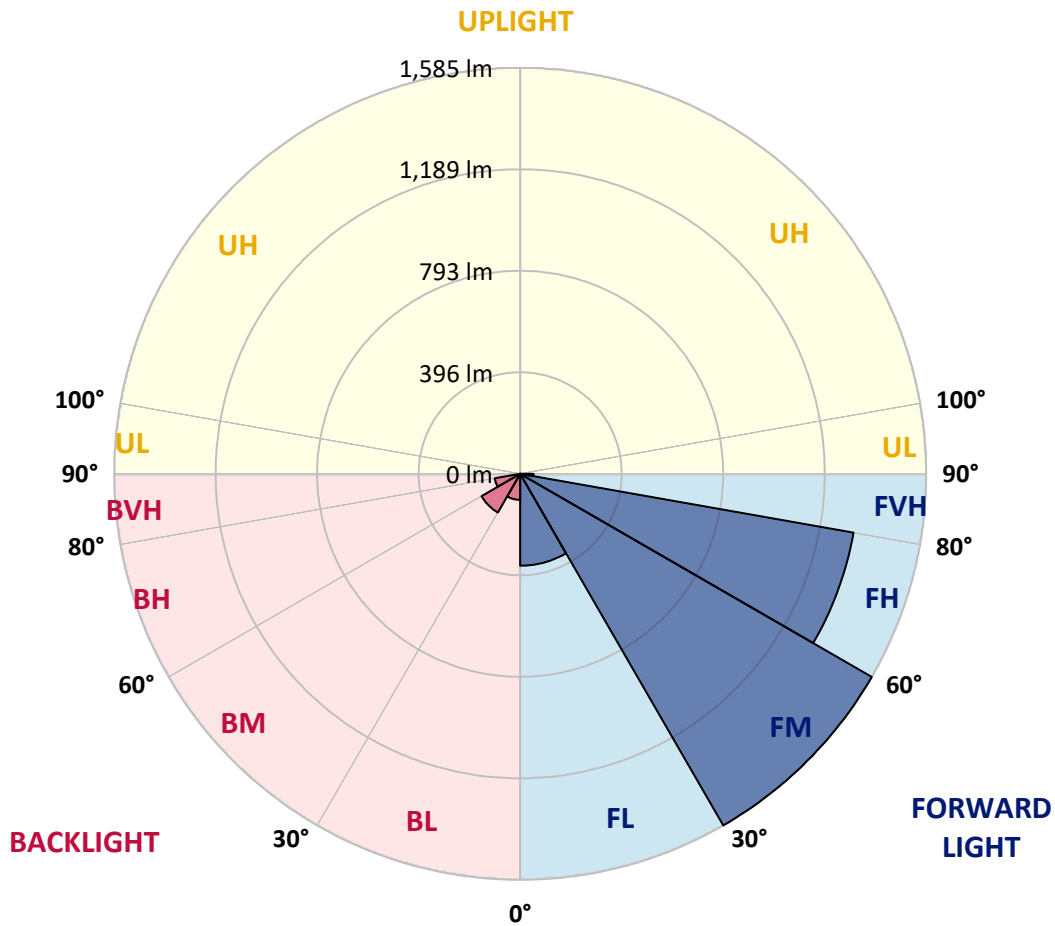
CATALOG NUMBER: GALN-SB1C-927-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.7	9.7			
FM (30°-60°)	1585.1	42.9			
FH (60°-80°)	1321.5	35.8			G1/1800
FVH (80°-90°)	52.4	1.4			G1/100
BL (0°-30°)	101.7	2.8	B0/110		
BM (30°-60°)	174.2	4.7	B0/220		
BH (60°-80°)	101.0	2.7	B0/110		G0/110
BVH (80°-90°)	1.5	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 II Medium



REPORT NUMBER: P945801
 CATALOG NUMBER: GALN-SB1C-927-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°
0°	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7
2.5°	742.5	732.7	734.6	724.8	720.2	709.2	697.7	682.6	665.8	665.8
5°	820.7	814.4	814.4	802.9	794.1	776.8	756.2	729.6	697.9	694.8
7.5°	868.6	864.8	867.2	860.5	853.3	835.3	810.8	776.1	731.2	727.4
10°	878.0	877.7	884.4	886.4	891.2	882.0	860.2	820.2	764.1	758.6
12.5°	841.8	837.2	853.8	873.2	900.5	912.7	901.5	860.5	794.1	786.4
15°	782.3	783.3	799.1	829.1	874.6	918.3	932.9	899.8	824.5	815.4
17.5°	748.3	744.7	758.3	785.2	835.5	897.2	947.5	936.5	856.9	846.6
20°	744.2	744.0	747.1	759.3	797.7	866.9	945.8	972.2	895.0	883.0
22.5°	772.5	772.0	769.4	767.0	777.5	837.5	938.6	1006.2	940.5	927.6
25°	815.9	815.2	811.1	796.5	786.1	821.6	931.9	1037.9	994.5	980.1
27.5°	868.9	868.4	861.0	838.9	812.3	823.1	928.6	1070.5	1056.8	1042.7
30°	933.8	932.9	917.5	886.4	851.6	845.8	933.1	1107.2	1121.8	1111.0
32.5°	1015.4	1012.7	992.6	945.6	896.9	876.3	941.7	1144.8	1198.8	1188.7
35°	1078.4	1074.3	1062.6	1021.1	949.4	913.7	961.9	1189.4	1291.3	1282.4
37.5°	1132.6	1128.5	1118.9	1084.9	1024.7	961.4	994.3	1248.9	1400.6	1396.3
40°	1191.1	1184.4	1179.8	1143.4	1089.0	1030.2	1040.5	1318.4	1526.5	1527.0
42.5°	1236.2	1233.5	1234.0	1206.0	1151.1	1111.7	1101.9	1396.8	1677.3	1681.9
45°	1274.8	1272.6	1281.5	1261.8	1213.6	1165.2	1173.8	1485.5	1842.3	1851.6
47.5°	1304.5	1306.9	1319.6	1306.9	1278.6	1202.8	1237.6	1581.2	2015.6	2016.8
50°	1334.2	1335.2	1356.3	1350.0	1338.5	1250.5	1296.3	1688.1	2198.3	2200.4
52.5°	1343.6	1342.1	1375.7	1391.0	1391.5	1309.5	1372.3	1804.6	2377.4	2384.3
55°	1295.6	1299.7	1353.9	1416.2	1440.9	1391.0	1475.0	1952.1	2568.2	2571.1
57.5°	1061.1	1083.7	1203.6	1348.1	1472.8	1507.8	1622.4	2124.4	2788.6	2785.9
60°	644.0	670.8	814.2	1130.7	1368.7	1625.0	1839.6	2391.5	3029.3	3021.8
62.5°	360.1	368.3	414.1	676.8	1041.0	1550.5	2051.8	2734.6	3352.5	3327.3
65°	265.4	268.0	278.8	331.6	511.6	1192.5	2005.3	3144.8	3806.6	3761.7
67.5°	230.6	233.3	243.8	251.0	228.5	626.5	1652.1	3372.4	4383.2	4324.4
70°	194.2	195.6	212.7	217.5	163.5	238.3	1061.4	3302.1	4916.8	4874.9
72.5°	144.8	150.6	175.3	186.8	131.1	126.6	499.6	2887.1	5007.2	5007.7
75°	98.3	103.6	131.9	153.7	101.2	88.7	201.6	2155.9	4360.1	4360.1
77.5°	67.1	71.4	91.8	120.6	76.7	60.9	104.5	1368.3	3128.1	3238.1
80°	29.7	32.4	59.2	87.5	58.3	39.3	59.2	749.2	1891.6	1868.4
82.5°	14.6	16.8	37.9	54.7	37.6	24.2	31.2	356.3	613.0	582.6
85°	2.9	3.8	20.4	23.3	17.5	10.8	11.7	109.6	73.8	84.4
87.5°	0.0	0.0	6.2	4.3	1.9	2.4	2.4	9.8	5.8	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945801
 CATALOG NUMBER: GALN-SB1C-927-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
638.7	0°	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7	638.7
649.5	2.5°	640.9	632.0	612.6	593.4	573.7	555.7	543.3	530.8	523.1	519.8
663.9	5°	645.9	627.9	587.2	544.5	502.3	461.0	430.1	401.1	392.0	376.9
680.9	7.5°	653.8	624.6	560.3	488.4	419.8	359.4	315.8	281.0	267.1	253.7
695.5	10°	659.1	618.3	524.8	428.7	335.9	268.0	226.3	201.2	192.0	183.9
709.2	12.5°	661.2	606.8	484.1	361.8	261.3	204.3	179.3	167.6	164.5	161.6
722.1	15°	663.2	595.5	438.5	297.3	206.4	170.9	161.1	157.3	155.1	153.2
735.3	17.5°	664.8	581.2	386.5	241.7	174.3	157.5	152.7	148.6	147.0	144.8
754.3	20°	670.6	567.3	340.0	199.5	156.8	147.9	142.7	138.3	136.9	135.5
781.1	22.5°	681.4	556.0	294.9	170.9	146.2	138.1	131.4	126.6	125.6	124.7
813.7	25°	694.3	542.1	252.5	152.5	135.9	126.8	119.4	115.3	114.4	114.6
851.4	27.5°	710.9	526.7	216.0	140.7	126.8	116.3	107.9	104.8	105.3	106.2
894.8	30°	729.1	512.6	187.5	132.6	118.7	106.9	98.5	96.4	98.1	99.5
952.8	32.5°	756.2	500.1	167.6	126.1	111.5	99.3	92.5	89.9	91.8	93.7
1026.9	35°	793.1	493.9	156.3	120.6	105.3	93.3	86.6	84.6	86.6	87.0
1117.2	37.5°	838.4	493.4	151.5	116.0	99.5	88.2	80.8	80.1	81.5	81.8
1225.9	40°	896.9	496.5	147.9	112.7	93.5	82.5	75.5	74.8	75.3	77.0
1356.5	42.5°	971.0	509.5	142.9	108.4	87.0	76.7	71.2	69.5	69.3	71.2
1502.8	45°	1064.0	538.0	136.2	101.4	81.3	71.9	66.4	64.5	63.8	64.3
1653.8	47.5°	1165.4	573.0	129.5	94.9	77.2	68.1	62.6	60.2	59.0	59.0
1795.0	50°	1263.7	612.6	124.9	88.2	74.3	64.5	58.5	56.1	54.2	53.7
1940.3	52.5°	1361.1	651.4	121.3	81.5	71.0	59.9	54.7	52.0	49.9	48.9
2084.2	55°	1449.8	688.3	115.1	75.0	66.7	55.1	50.8	48.2	45.6	43.9
2229.9	57.5°	1534.9	719.0	103.6	68.3	59.9	50.6	46.8	43.9	40.8	38.6
2377.4	60°	1612.3	734.8	89.2	61.1	53.2	45.8	42.2	39.6	35.5	31.9
2522.4	62.5°	1671.3	728.6	73.6	53.0	46.3	41.5	36.9	34.3	29.5	25.2
2696.3	65°	1731.7	694.6	58.7	44.4	40.5	35.7	30.9	28.3	22.8	18.2
2931.5	67.5°	1810.1	621.9	46.3	36.9	35.0	28.3	24.2	22.5	18.7	14.4
3183.9	70°	1860.5	483.1	36.0	30.0	28.8	20.6	18.7	18.5	14.9	11.0
3166.9	72.5°	1722.4	316.7	27.6	22.8	20.6	13.4	14.4	14.4	10.8	7.4
2776.1	75°	1437.8	185.3	19.9	16.3	11.7	8.6	9.8	9.8	6.7	3.6
1978.7	77.5°	1026.9	98.8	13.2	10.1	6.0	3.8	5.3	5.0	2.2	0.2
775.6	80°	392.7	34.0	6.2	4.1	1.7	0.7	0.5	0.2	0.2	0.0
121.1	82.5°	59.9	8.9	1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	85°	10.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.7	87.5°	2.4	0.0	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

<u>180°</u>
638.7
520.3
377.9
253.4
183.7
161.6
153.2
144.8
135.7
124.0
114.1
105.7
99.0
93.3
86.8
81.3
76.7
71.0
65.0
59.0
53.5
48.4
43.2
37.6
30.9
23.5
17.0
13.4
9.8
6.5
2.9
0.0
0.0
0.0
0.0
0.0
0.0

F REPORT)