

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: P939858

Luminaire Tested: **GALN-SB2C-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6902 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

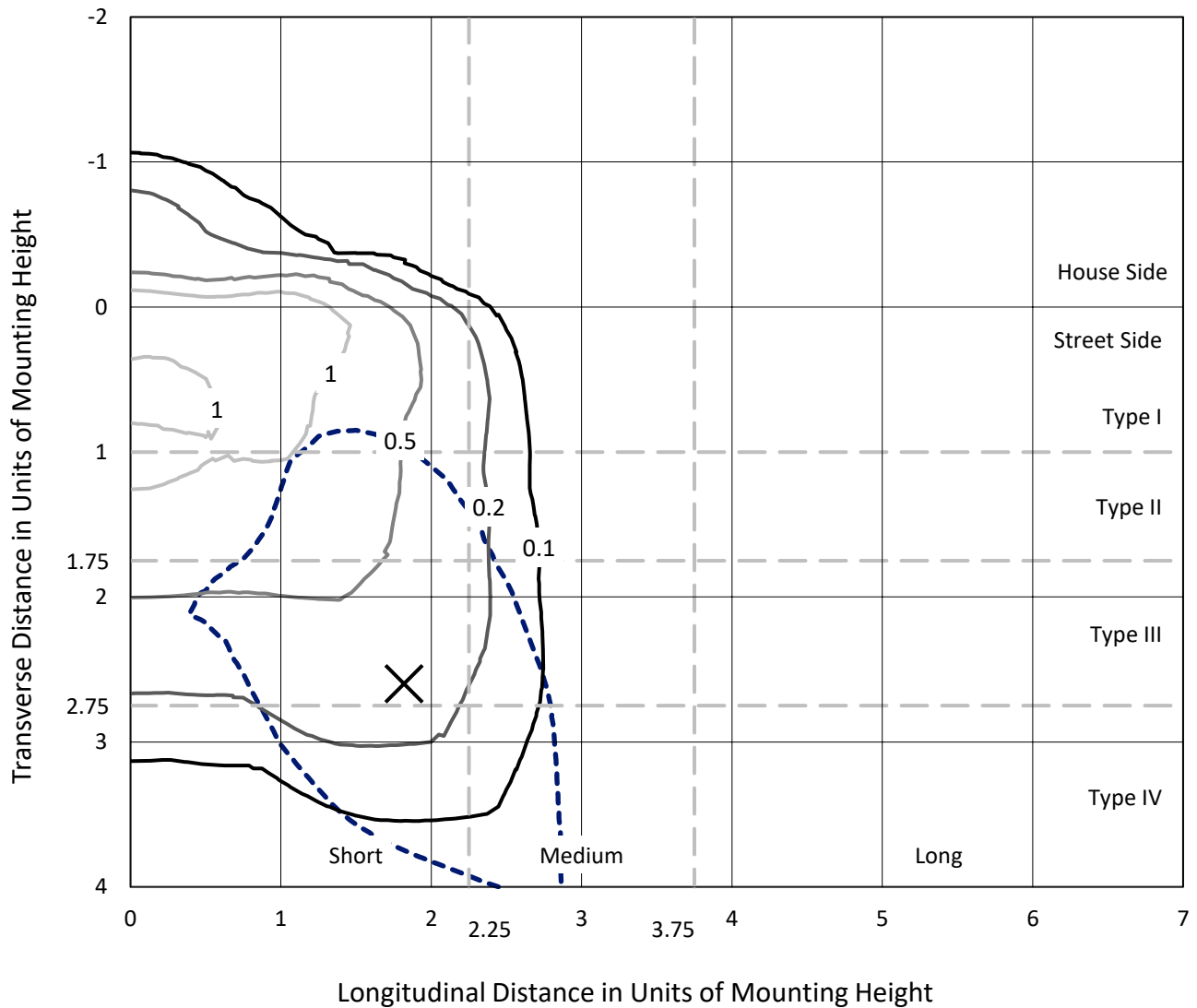
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939858
 CATALOG NUMBER: GALN-SB2C-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

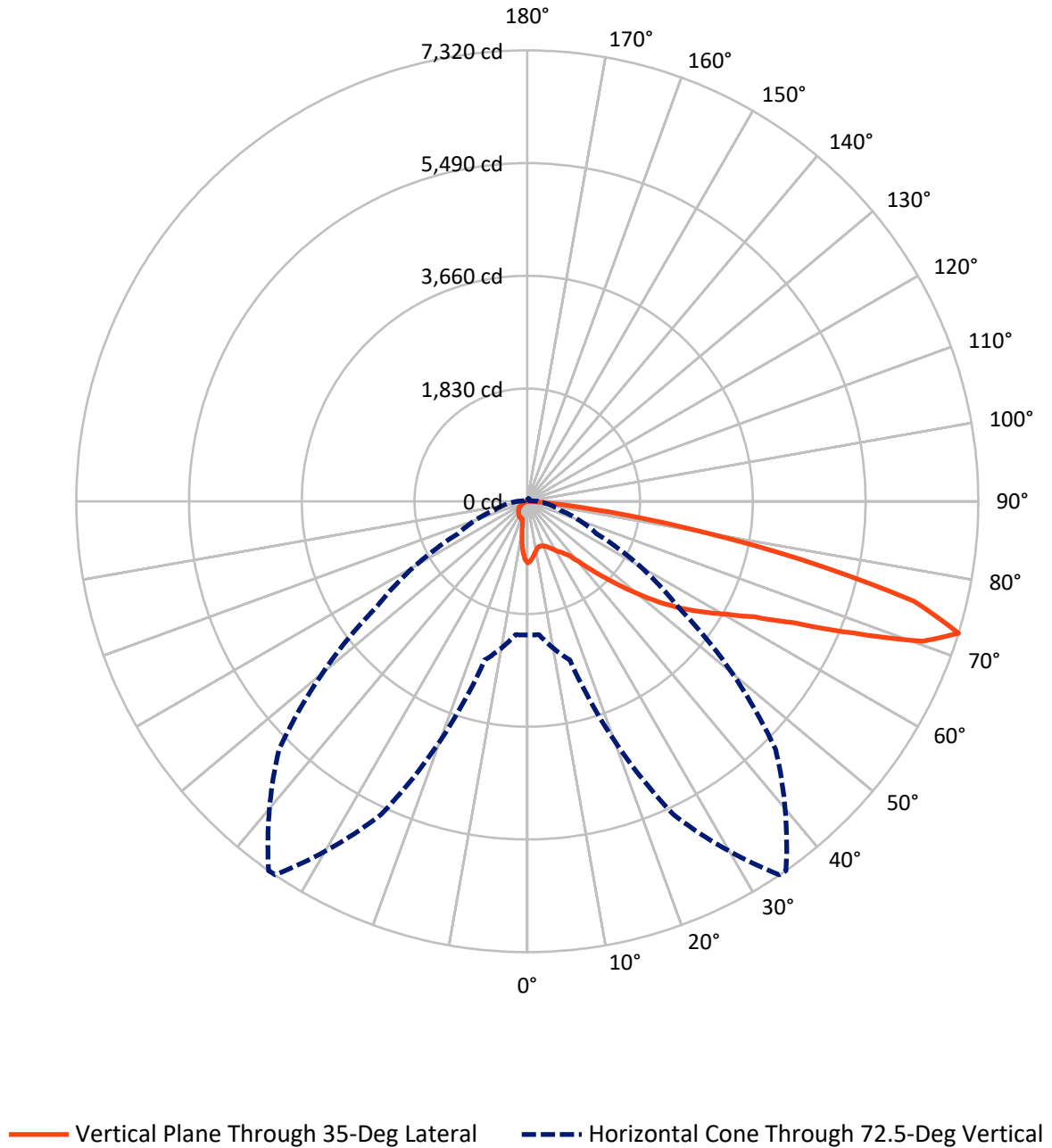
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P939858
CATALOG NUMBER: GALN-SB2C-927-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P939858
 CATALOG NUMBER: GALN-SB2C-927-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	776.8	0.0	776.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6125.2	0.0	6125.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	6902.0	0.0	6902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	1.2
10°-20°	192.3	2.8
20°-30°	312.4	4.5
30°-40°	521.2	7.6
40°-50°	986.1	14.3
50°-60°	1567.0	22.7
60°-70°	1938.5	28.1
70°-80°	1205.0	17.5
80°-90°	97.4	1.4
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°	6902.0	100.0
0°-180°	6902.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939858

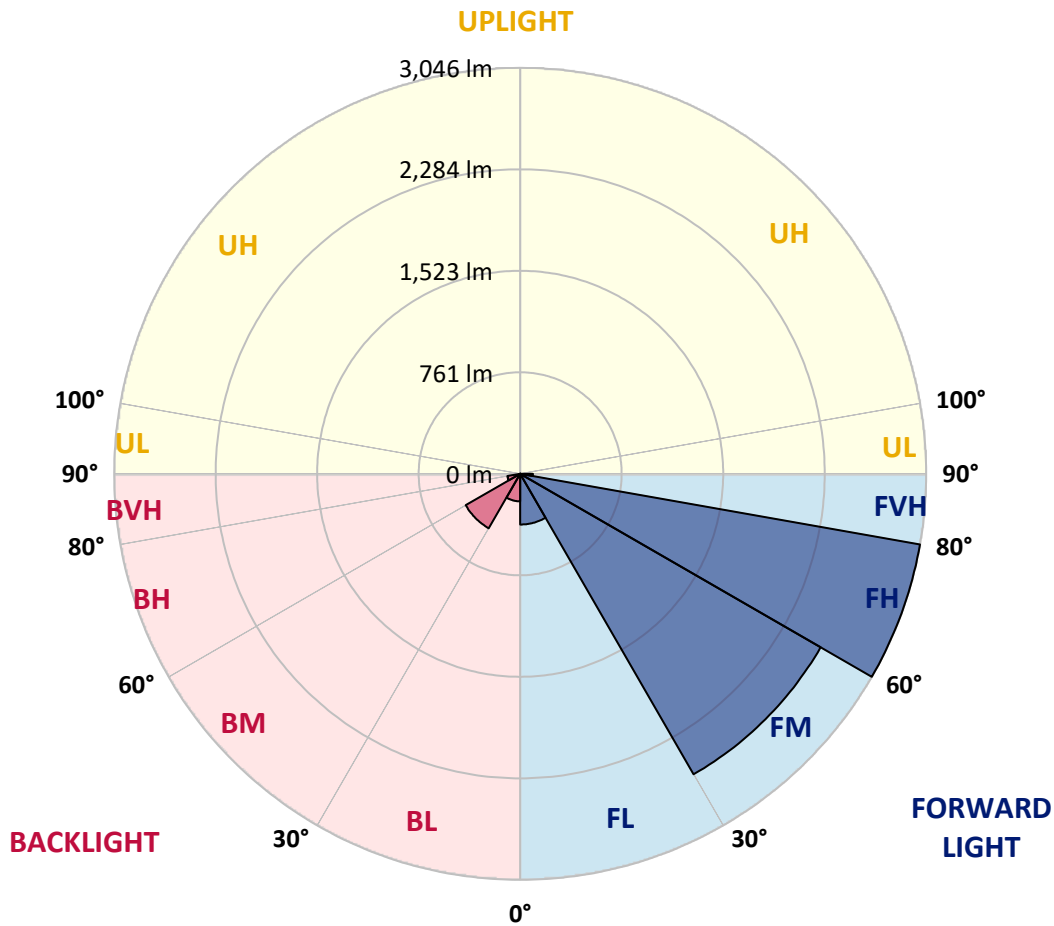
CATALOG NUMBER: GALN-SB2C-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.5	5.5			
FM (30°-60°)	2602.7	37.7			
FH (60°-80°)	3045.9	44.1			G2/5000
FVH (80°-90°)	96.1	1.4			G1/100
BL (0°-30°)	206.4	3.0	B1/500		
BM (30°-60°)	471.6	6.8	B1/1000		
BH (60°-80°)	97.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			G0/10
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 Short



REPORT NUMBER: P939858

CATALOG NUMBER: GALN-SB2C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3
2.5°	955.8	963.9	965.4	968.0	968.0	971.0	976.1	983.1	994.8	1000.8
5°	881.0	887.0	894.6	900.7	912.3	913.9	933.6	952.8	979.6	999.8
7.5°	805.6	812.7	822.8	837.5	852.7	857.2	887.0	919.4	961.9	999.8
10°	752.5	753.0	762.1	776.8	801.1	806.6	843.0	889.1	942.2	993.8
12.5°	722.7	726.2	730.3	741.4	764.7	768.2	807.1	861.3	922.4	990.2
15°	722.7	725.2	727.7	733.3	752.0	755.1	789.4	843.6	912.3	991.7
17.5°	730.3	734.3	732.3	738.9	758.6	760.6	791.0	838.5	911.8	1001.3
20°	748.5	751.5	747.5	751.5	771.2	775.3	806.6	848.1	920.4	1018.0
22.5°	777.3	778.8	769.2	772.2	792.5	797.5	833.9	875.4	941.2	1044.8
25°	813.7	816.8	802.1	805.6	824.8	830.9	872.9	916.4	974.0	1081.8
27.5°	855.7	857.2	844.6	844.1	868.8	877.4	919.9	967.0	1018.0	1128.3
30°	903.7	908.3	896.2	894.1	925.5	932.6	974.5	1029.2	1082.8	1198.1
32.5°	941.7	945.2	938.1	943.2	975.0	980.6	1040.8	1117.2	1184.4	1297.2
35°	996.3	998.3	982.1	991.2	1027.6	1041.8	1131.3	1240.6	1312.4	1421.6
37.5°	1194.0	1194.0	1125.2	1080.2	1115.1	1127.8	1255.2	1395.8	1470.2	1588.5
40°	1467.6	1463.1	1362.4	1270.4	1265.8	1290.6	1431.7	1591.5	1674.0	1788.8
42.5°	1759.4	1752.3	1615.3	1524.3	1509.1	1517.7	1635.5	1832.8	1916.7	2033.0
45°	2018.4	2016.3	1890.9	1768.5	1741.2	1768.5	1889.9	2115.0	2175.1	2297.5
47.5°	2235.3	2235.3	2143.8	2063.9	2049.7	2065.9	2234.3	2428.0	2422.4	2579.2
50°	2485.2	2483.1	2396.1	2361.8	2376.4	2399.2	2630.8	2757.7	2678.3	2855.8
52.5°	2660.1	2672.3	2642.4	2636.9	2711.7	2751.2	3033.4	3080.4	2907.4	3118.3
55°	2798.7	2812.9	2847.3	2886.2	3030.3	3081.9	3423.3	3386.4	3099.1	3345.9
57.5°	2994.9	2974.7	3027.8	3104.7	3337.8	3400.0	3801.1	3675.1	3253.4	3530.5
60°	3233.1	3236.2	3245.3	3342.4	3644.8	3724.7	4173.3	3948.2	3352.5	3643.8
62.5°	3519.4	3523.9	3542.6	3691.8	4057.0	4132.3	4569.8	4171.8	3398.0	3611.9
65°	3499.6	3518.9	3727.7	4238.0	4683.6	4757.9	5032.5	4328.5	3329.2	3320.6
67.5°	3188.1	3219.5	3568.9	4890.4	5628.3	5711.2	5591.8	4359.4	3032.3	2582.3
70°	2779.5	2790.6	3210.9	5477.0	6722.1	6806.1	6092.5	4020.0	2301.1	1440.3
72.5°	2170.6	2173.1	2666.2	5613.1	7315.9	7320.4	5699.6	2984.3	1237.5	553.3
75°	1550.6	1535.4	1785.7	4552.1	6436.4	6488.0	4272.9	1399.9	472.9	261.5
77.5°	831.4	848.1	1010.4	2699.6	4446.4	4534.4	2331.4	403.6	240.7	178.0
80°	256.9	271.1	414.2	1236.0	2518.5	2571.6	864.3	179.5	167.9	126.9
82.5°	80.9	84.0	193.2	519.4	1045.3	1069.6	250.3	101.7	114.8	84.0
85°	23.3	23.8	86.0	193.7	258.4	263.5	70.3	39.4	65.7	52.1
87.5°	2.5	8.1	32.4	32.4	22.8	22.3	7.6	8.6	18.7	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939858

CATALOG NUMBER: GALN-SB2C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1000.3	0°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3
1004.9	2.5°	1002.4	1002.9	996.3	985.2	973.0	962.9	950.3	940.1	933.1	931.0
1014.0	5°	1009.4	1005.9	987.2	953.3	912.8	877.9	839.0	808.2	787.9	779.3
1023.6	7.5°	1020.1	1009.9	969.0	902.2	824.8	756.1	686.3	632.2	597.8	580.6
1032.7	10°	1029.2	1008.9	938.6	828.4	710.0	605.9	511.8	446.6	410.1	393.0
1043.3	12.5°	1037.8	1008.4	899.2	740.9	580.6	453.1	365.6	333.3	323.2	319.6
1060.5	15°	1053.9	1009.9	849.6	640.8	451.6	342.4	310.5	310.0	312.0	311.0
1086.8	17.5°	1076.2	1011.5	793.5	534.6	348.4	301.9	300.4	305.0	308.0	306.5
1119.7	20°	1105.0	1017.5	733.8	429.4	299.4	291.8	295.3	299.4	301.9	299.4
1163.7	22.5°	1145.5	1028.1	668.6	344.9	283.7	285.7	288.8	293.3	295.9	292.3
1219.8	25°	1195.0	1044.8	604.3	299.9	276.1	278.7	283.2	288.3	291.3	287.8
1290.6	27.5°	1259.3	1071.6	545.2	289.8	268.5	270.1	276.6	284.2	288.3	283.7
1391.3	30°	1352.3	1115.6	494.1	294.3	264.0	260.5	269.6	280.2	284.7	280.7
1528.3	32.5°	1475.7	1177.8	462.7	301.4	262.0	249.3	257.9	271.6	279.2	276.6
1707.3	35°	1637.5	1272.4	450.6	309.5	260.5	237.7	243.8	258.4	271.6	274.1
1932.9	37.5°	1833.8	1403.9	454.1	313.0	255.9	228.1	231.1	243.8	261.0	269.0
2186.8	40°	2056.8	1557.1	474.4	309.5	250.8	220.0	220.5	230.1	245.3	257.4
2459.9	42.5°	2286.9	1736.2	511.8	296.4	246.3	212.9	211.4	218.0	228.1	236.7
2732.5	45°	2505.9	1920.3	548.7	278.2	240.7	205.8	202.3	204.8	206.8	210.4
2998.0	47.5°	2697.1	2049.7	538.1	261.5	233.1	197.7	191.7	190.7	184.6	184.1
3235.1	50°	2829.0	2078.0	477.9	244.8	222.0	188.6	179.0	173.0	162.3	157.3
3412.7	52.5°	2871.0	1966.3	390.4	228.1	203.8	176.5	162.8	153.2	140.1	135.5
3514.8	55°	2815.4	1747.3	312.0	207.9	178.5	160.3	145.1	132.5	121.9	116.3
3525.9	57.5°	2679.4	1468.6	246.8	184.1	151.7	142.1	126.9	114.3	105.2	99.6
3402.5	60°	2453.8	1166.2	195.2	155.8	129.5	122.4	106.7	98.6	90.5	84.0
3083.9	62.5°	2111.4	832.4	153.2	123.4	108.2	100.1	91.0	85.0	75.4	66.3
2510.9	65°	1647.7	509.3	118.3	90.5	87.0	82.9	77.4	71.8	60.2	51.1
1638.1	67.5°	1039.3	241.2	84.5	68.3	68.8	66.8	64.2	59.7	51.1	43.0
733.8	70°	457.7	116.8	55.6	52.1	51.1	51.1	53.1	51.6	43.5	35.9
254.9	72.5°	155.8	62.7	41.5	39.4	36.9	36.4	44.5	43.0	34.9	27.8
126.9	75°	81.4	42.0	30.3	28.3	22.3	26.8	35.4	33.4	24.8	18.2
84.0	77.5°	53.1	29.8	20.7	18.2	12.6	17.7	26.3	23.3	14.7	9.1
55.1	80°	33.4	19.7	12.1	8.6	6.1	9.6	14.2	10.1	5.6	2.0
32.4	82.5°	17.7	10.1	4.6	3.0	2.5	3.0	3.5	2.5	1.0	0.0
16.7	85°	7.1	3.5	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0
3.0	87.5°	2.5	0.5	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°
<hr/>
1000.3
934.6
782.4
583.1
393.5
318.6
310.5
306.0
298.9
291.8
287.3
283.7
280.2
276.6
274.1
271.1
261.5
240.2
212.4
183.6
157.8
135.0
116.3
98.6
82.4
64.7
49.6
42.0
34.4
26.3
16.7
8.1
1.5
0.0
0.0
0.0
0.0

F REPORT)