

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: P940234

Luminaire Tested: **GALN-SB3A-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-950-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6837 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

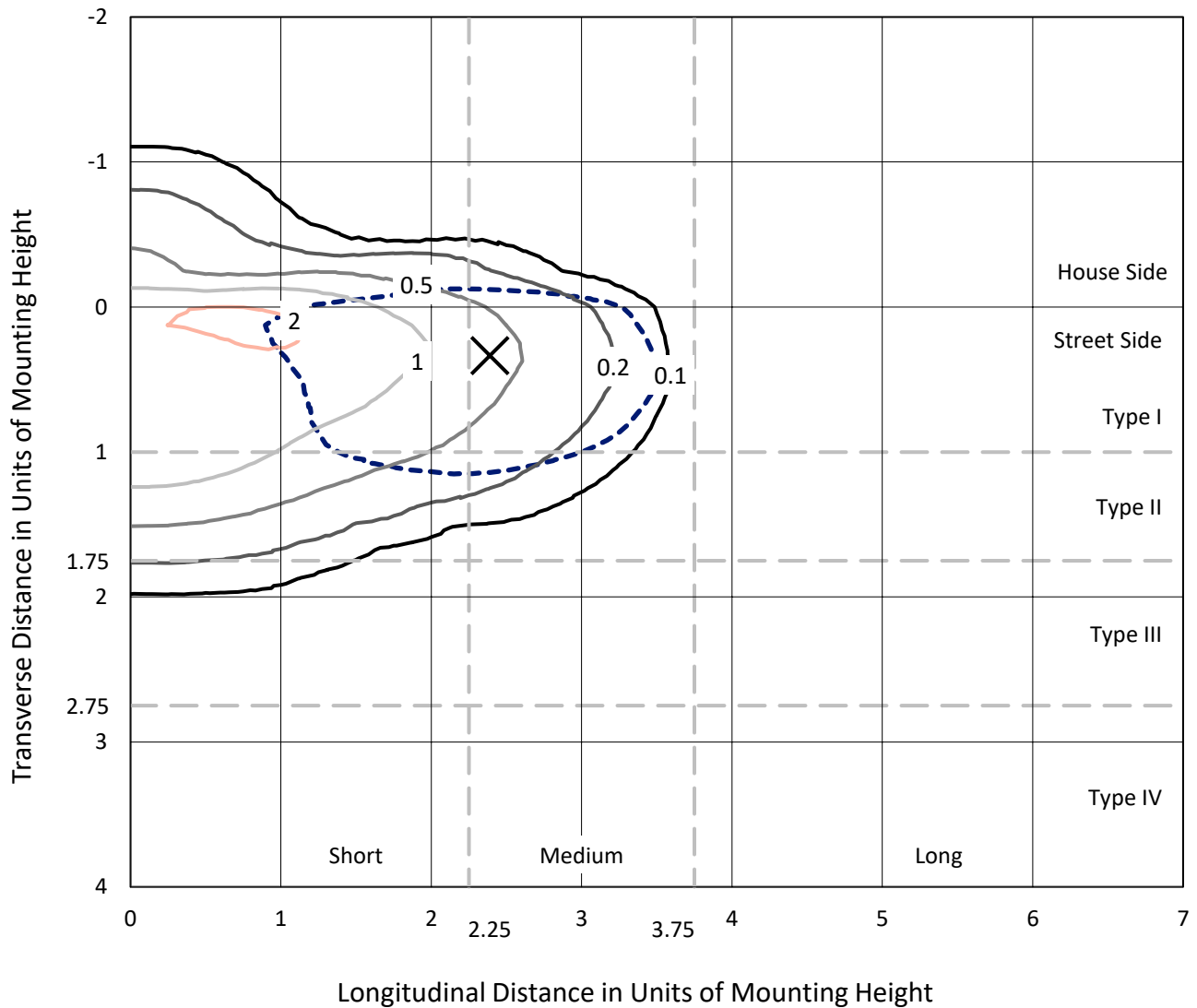
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940234
 CATALOG NUMBER: GALN-SB3A-950-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

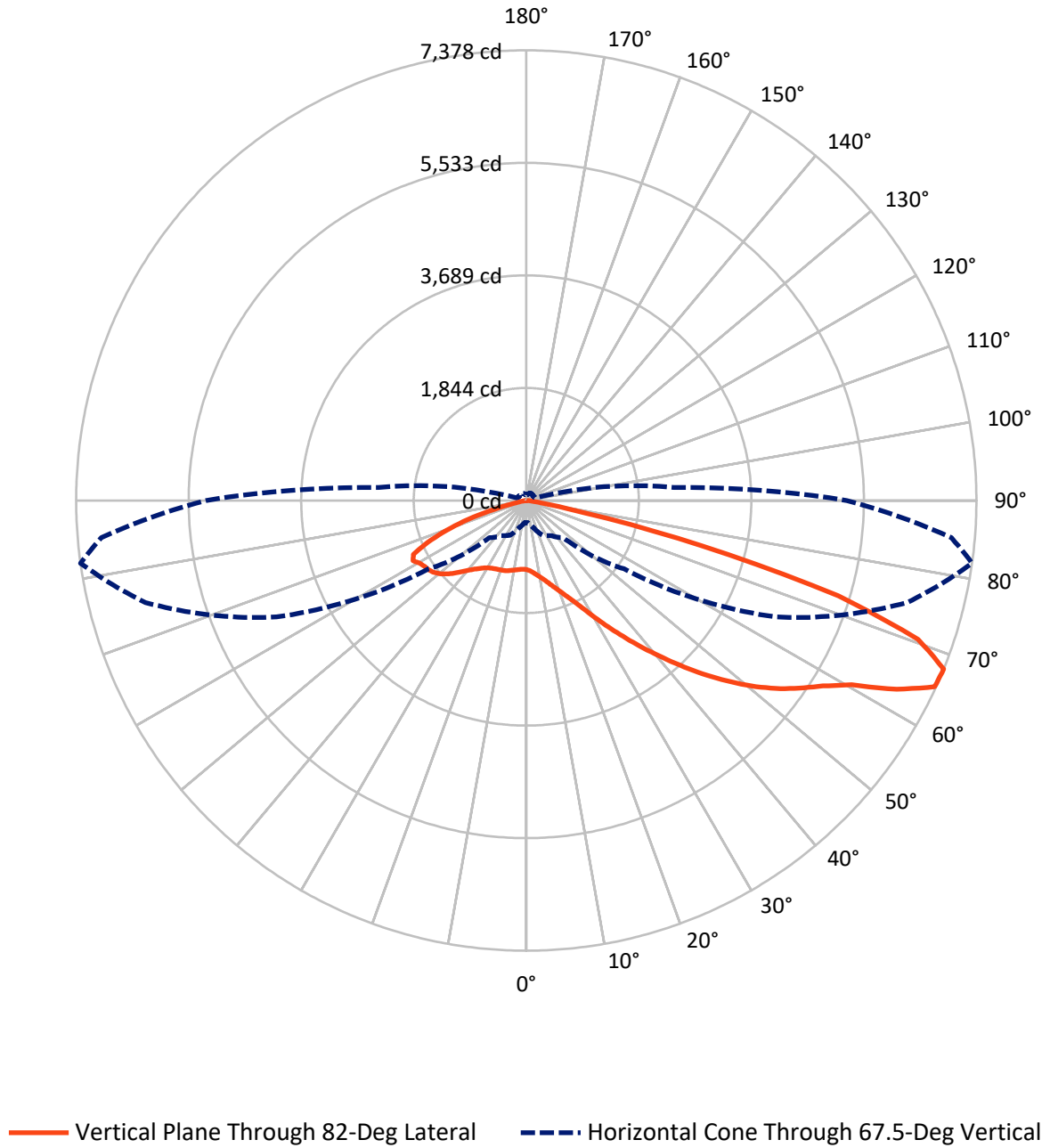
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P940234
CATALOG NUMBER: GALN-SB3A-950-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940234
 CATALOG NUMBER: GALN-SB3A-950-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.5	0.0	1238.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5598.5	0.0	5598.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	6837.0	0.0	6837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	1.5
10°-20°	262.2	3.8
20°-30°	420.0	6.1
30°-40°	742.7	10.9
40°-50°	1301.3	19.0
50°-60°	1735.5	25.4
60°-70°	1615.7	23.6
70°-80°	620.1	9.1
80°-90°	38.5	0.6
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°	6837.0	100.0
0°-180°	6837.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940234

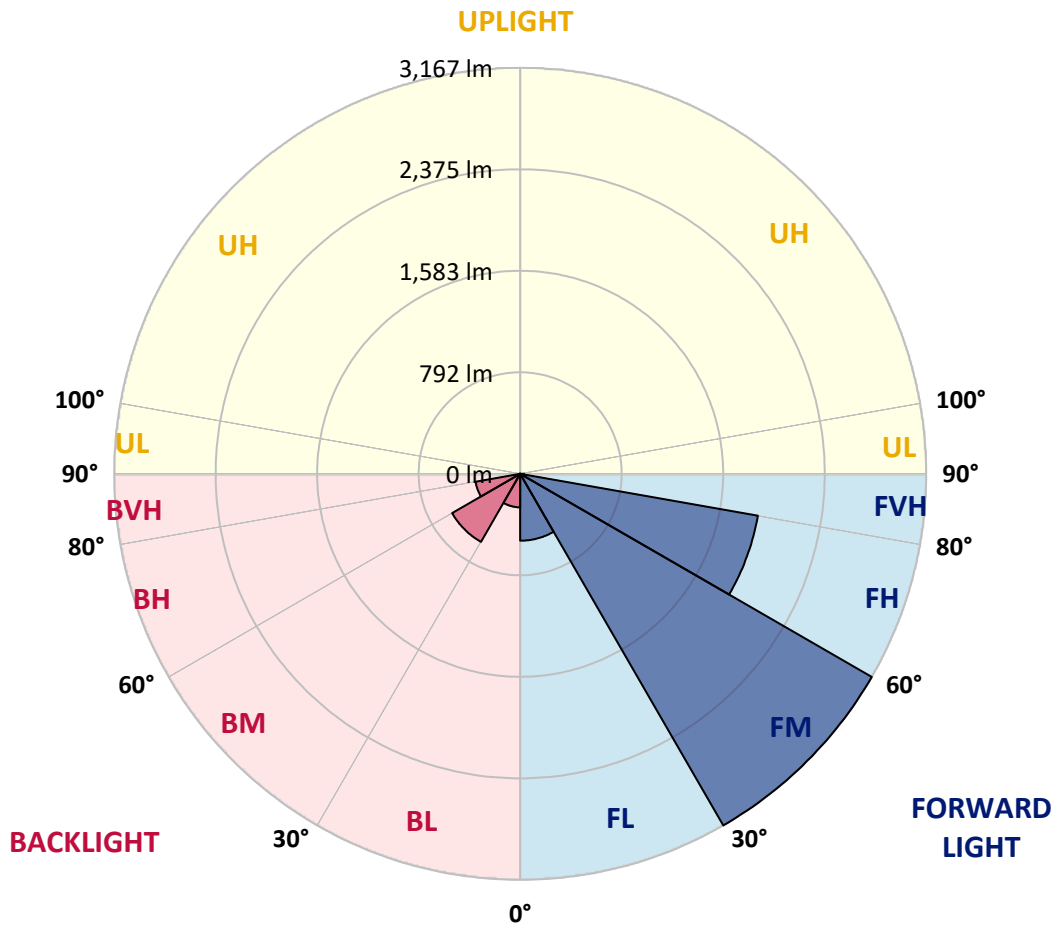
CATALOG NUMBER: GALN-SB3A-950-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	521.6	7.6			
FM (30°-60°)	3166.6	46.3			
FH (60°-80°)	1882.3	27.5			G2/5000
FVH (80°-90°)	28.0	0.4			G1/100
BL (0°-30°)	261.6	3.8	B1/500		
BM (30°-60°)	612.9	9.0	B1/1000		
BH (60°-80°)	353.5	5.2	B1/500		G1/500
BVH (80°-90°)	10.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P940234

CATALOG NUMBER: GALN-SB3A-950-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7
2.5°	1197.1	1204.0	1200.1	1198.1	1194.7	1189.8	1185.8	1173.5	1160.7	1152.3
5°	1221.3	1228.2	1227.7	1229.6	1232.1	1233.6	1232.6	1218.8	1200.6	1186.3
7.5°	1200.6	1208.5	1214.9	1224.7	1241.9	1260.2	1269.0	1266.1	1247.4	1227.7
10°	1142.0	1150.4	1165.6	1188.8	1225.2	1264.6	1297.6	1312.8	1301.0	1279.3
12.5°	1034.7	1043.1	1073.1	1123.3	1184.3	1252.8	1315.8	1356.6	1359.6	1337.9
15°	914.1	922.5	954.5	1017.5	1110.5	1220.3	1325.6	1402.9	1429.0	1410.3
17.5°	839.3	846.7	870.8	921.5	1018.5	1155.3	1322.2	1452.1	1511.7	1496.9
20°	816.6	823.0	834.4	869.8	950.5	1087.9	1299.5	1498.4	1600.8	1592.4
22.5°	840.8	846.7	850.1	865.9	916.6	1043.6	1271.0	1545.7	1704.2	1705.1
25°	896.4	902.3	898.4	908.2	930.3	1029.8	1260.2	1601.3	1834.1	1844.9
27.5°	987.9	988.4	979.1	978.6	982.0	1050.5	1271.5	1660.8	1998.0	2018.2
30°	1171.5	1164.2	1128.2	1089.3	1071.6	1112.5	1303.0	1731.2	2191.5	2227.4
32.5°	1454.6	1443.8	1377.8	1284.8	1191.2	1212.4	1359.6	1811.5	2402.2	2467.1
35°	1761.8	1758.8	1689.9	1551.6	1388.1	1354.7	1451.6	1916.8	2632.0	2735.4
37.5°	2047.3	2045.8	2006.4	1843.5	1644.6	1553.0	1599.3	2054.6	2878.2	3027.8
40°	2308.1	2312.6	2273.2	2127.5	1927.1	1807.5	1800.1	2225.0	3151.9	3346.3
42.5°	2533.6	2538.5	2498.6	2390.8	2206.2	2089.1	2046.8	2433.7	3419.1	3688.4
45°	2686.7	2717.2	2711.3	2625.2	2492.7	2371.2	2343.1	2695.5	3723.8	4051.2
47.5°	2730.0	2758.1	2802.4	2814.2	2733.4	2613.8	2647.3	3011.1	4032.0	4414.5
50°	2623.2	2649.3	2741.3	2863.9	2920.0	2883.1	2943.1	3349.2	4347.5	4776.8
52.5°	2412.5	2439.1	2555.3	2749.2	2978.1	3094.3	3240.0	3682.5	4653.2	5119.9
55°	2107.8	2135.9	2285.0	2504.6	2867.3	3181.4	3487.6	4015.3	4933.3	5428.5
57.5°	1693.3	1714.0	1869.1	2176.2	2588.7	3094.8	3670.2	4378.5	5197.1	5731.7
60°	1103.6	1121.8	1302.0	1644.6	2127.0	2805.3	3706.6	4783.7	5547.6	6126.0
62.5°	733.9	746.2	853.1	1104.6	1497.9	2249.6	3493.5	5107.1	6061.5	6812.2
65°	503.6	515.9	622.7	797.9	967.8	1488.1	2880.6	5064.2	6527.2	7357.1
67.5°	359.3	369.7	460.3	625.6	700.5	864.4	1952.7	4516.9	6460.2	7377.8
70°	257.4	263.4	338.2	487.3	556.7	519.3	1085.9	3454.6	5656.4	6812.7
72.5°	180.2	182.1	234.8	371.2	448.4	379.0	516.9	2303.2	4278.1	5347.3
75°	122.1	124.5	158.0	272.2	359.8	289.4	273.7	1235.0	2511.4	2959.9
77.5°	74.8	75.8	101.9	186.1	269.3	220.5	176.2	523.3	971.7	954.0
80°	42.3	42.3	65.0	115.7	183.6	142.3	123.6	222.5	307.7	270.2
82.5°	23.6	24.1	47.3	71.9	121.6	84.2	67.9	102.9	132.9	117.6
85°	9.8	10.8	29.0	34.0	58.1	41.8	27.6	43.3	49.2	43.8
87.5°	1.0	1.5	8.9	6.4	6.9	8.4	3.9	8.4	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940234
 CATALOG NUMBER: GALN-SB3A-950-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1132.7	0°	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7
1149.4	2.5°	1140.0	1132.7	1114.0	1092.3	1063.7	1050.0	1031.3	1018.5	1007.6	1008.6
1177.9	5°	1162.2	1143.5	1101.6	1049.5	984.5	938.2	889.0	855.0	827.5	821.6
1217.3	7.5°	1192.7	1163.2	1089.8	995.8	886.0	802.9	728.5	680.8	646.8	636.0
1265.1	10°	1232.1	1189.3	1074.6	928.4	770.4	664.5	584.8	547.4	524.2	516.4
1321.2	12.5°	1277.9	1219.3	1054.4	846.2	651.2	549.3	498.6	479.9	472.6	470.1
1390.1	15°	1335.5	1256.7	1023.9	748.7	550.3	479.0	457.3	454.8	455.8	454.8
1472.8	17.5°	1403.9	1297.6	974.2	648.3	482.4	443.0	435.1	437.1	439.6	439.1
1565.3	20°	1478.7	1337.9	910.7	559.2	436.1	417.4	413.0	415.0	416.9	415.9
1672.2	22.5°	1563.9	1381.2	840.3	489.8	405.1	393.8	388.9	389.4	389.4	387.4
1807.5	25°	1665.8	1429.0	766.4	440.6	381.5	372.6	366.7	364.8	361.8	355.9
1971.9	27.5°	1787.3	1479.7	695.5	406.1	362.8	354.4	347.5	342.6	335.2	325.4
2169.3	30°	1924.2	1541.2	635.5	384.4	348.0	339.7	331.8	324.4	313.6	301.3
2396.3	32.5°	2085.2	1607.2	591.7	370.2	334.7	325.9	316.5	307.7	295.8	283.5
2651.2	35°	2277.1	1686.9	566.1	360.3	324.4	312.6	302.2	292.4	283.5	272.7
2928.4	37.5°	2485.4	1771.6	558.2	355.4	317.5	299.3	287.5	280.6	279.6	273.2
3228.2	40°	2713.3	1872.0	564.1	352.4	310.1	286.5	273.7	272.2	274.7	263.4
3548.6	42.5°	2954.5	1991.1	574.0	349.0	299.8	273.7	261.4	261.4	259.4	243.7
3887.3	45°	3215.4	2128.5	583.8	340.6	287.5	260.9	251.5	248.1	239.7	224.5
4227.9	47.5°	3478.2	2268.3	591.2	325.4	272.7	250.1	241.7	233.8	221.5	207.7
4562.1	50°	3727.8	2393.8	583.3	302.7	256.0	239.7	230.9	220.0	206.7	197.4
4878.7	52.5°	3950.8	2502.6	549.8	276.2	238.2	228.9	221.0	209.7	198.9	189.0
5164.2	55°	4144.7	2590.7	490.8	251.0	222.5	219.5	211.7	197.4	182.6	174.3
5447.2	57.5°	4330.8	2657.6	416.9	230.4	208.2	209.2	197.4	184.6	170.8	161.9
5828.7	60°	4578.4	2747.2	342.1	211.2	193.0	195.9	183.1	173.8	156.5	145.2
6482.9	62.5°	4974.2	2886.5	271.7	187.5	175.2	176.2	170.8	159.5	138.8	125.5
6967.8	65°	5288.2	2835.3	214.1	161.9	155.1	156.5	156.5	144.2	122.1	106.8
6993.8	67.5°	5252.8	2427.8	170.8	136.8	135.9	136.8	140.3	130.0	108.3	96.0
6461.2	70°	4838.8	1931.1	136.8	113.7	118.1	115.7	125.5	118.6	97.5	85.2
5009.1	72.5°	3948.3	1391.1	104.4	94.0	90.6	94.5	113.2	106.8	81.2	67.4
2653.2	75°	2307.2	742.3	77.8	74.3	65.5	78.8	100.4	91.1	62.0	49.7
813.2	77.5°	751.2	258.9	57.1	54.6	48.7	63.5	85.7	76.8	50.7	39.4
238.2	80°	201.3	78.3	38.9	35.9	31.5	47.3	67.9	61.0	36.4	25.6
102.4	82.5°	80.7	33.0	22.6	20.2	17.2	32.5	53.7	49.2	27.1	16.2
32.0	85°	26.1	10.8	8.4	6.4	7.9	20.2	32.0	33.5	19.2	8.4
4.9	87.5°	3.4	1.5	1.5	2.0	1.5	3.4	9.8	9.4	5.4	1.0
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/>
1132.7
998.8
808.3
625.2
510.5
468.6
454.3
438.1
415.5
386.4
354.9
324.4
300.3
284.0
271.7
272.7
263.8
243.7
224.0
207.2
195.9
188.0
173.3
161.0
143.7
124.5
105.3
94.0
83.7
66.0
48.2
37.9
25.1
16.2
6.4
0.0
0.0

F REPORT)