

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: P947244

Luminaire Tested: **GALN-SB2C-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
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-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9099 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

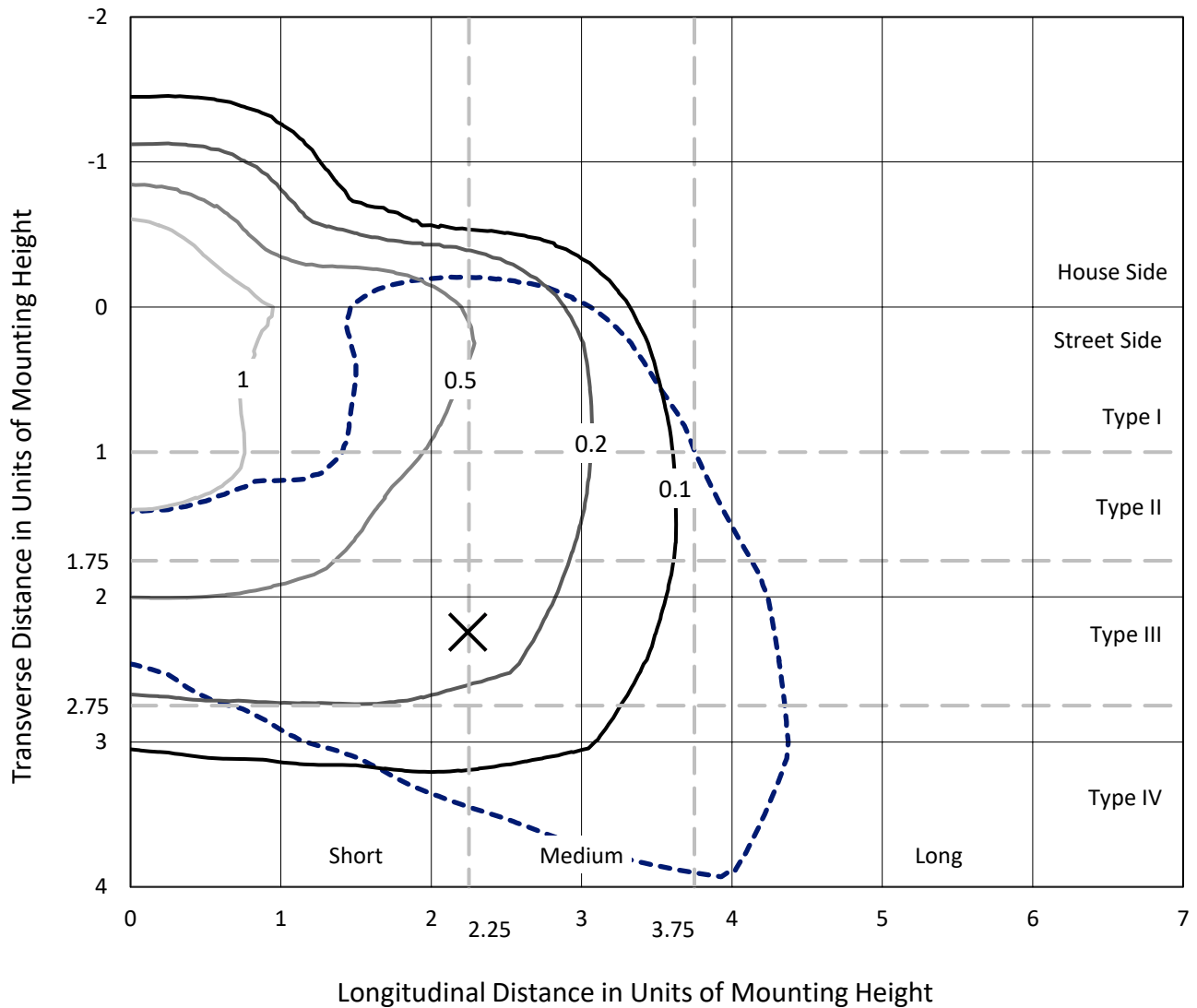
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947244
 CATALOG NUMBER: GALN-SB2C-927-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

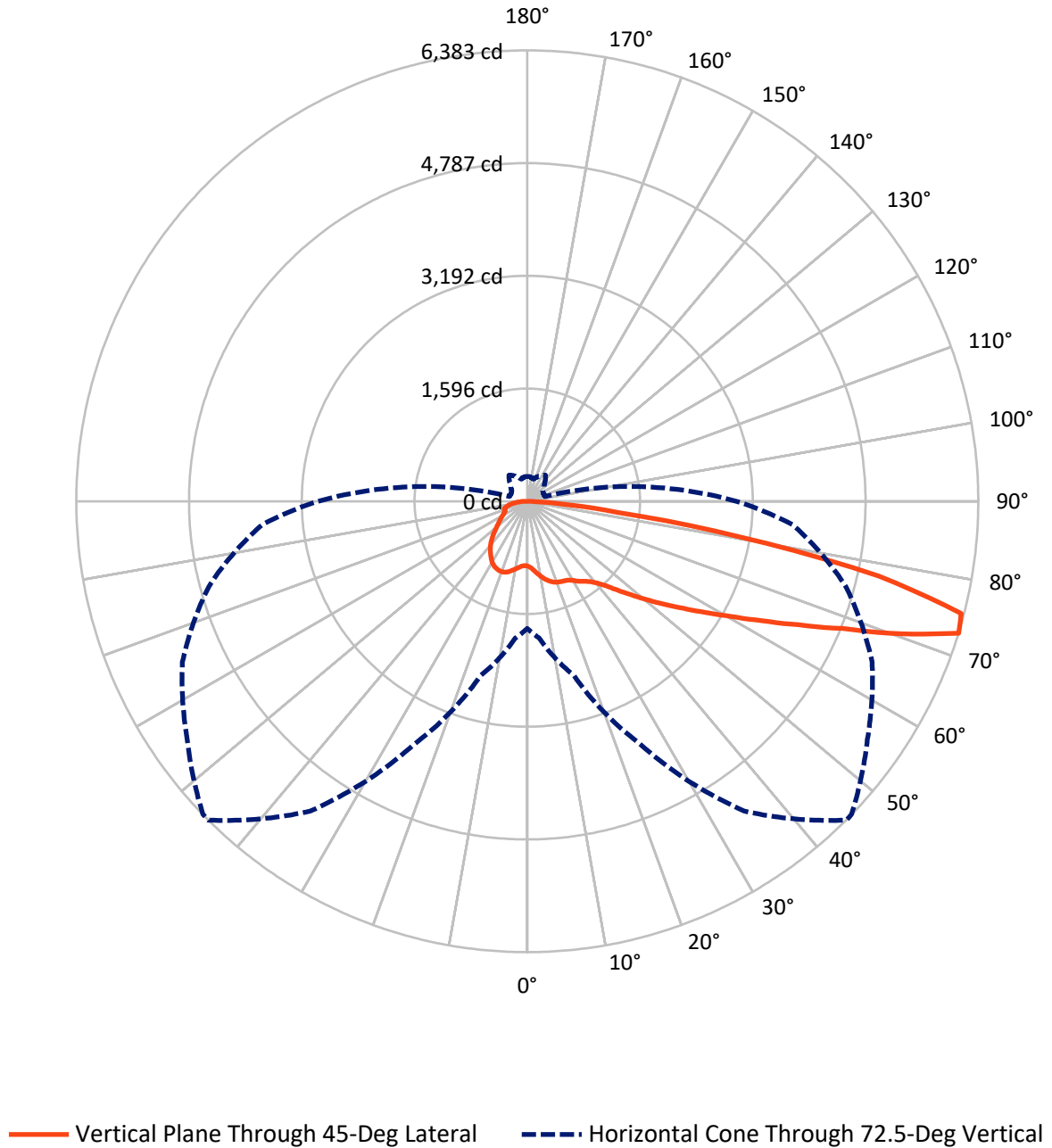
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P947244
CATALOG NUMBER: GALN-SB2C-927-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P947244

CATALOG NUMBER: GALN-SB2C-927-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2057.0	0.0	2057.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7042.0	0.0	7042.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	9099.0	0.0	9099.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.0
10°-20°	311.5	3.4
20°-30°	541.9	6.0
30°-40°	776.8	8.5
40°-50°	1093.8	12.0
50°-60°	1675.3	18.4
60°-70°	2426.9	26.7
70°-80°	1938.1	21.3
80°-90°	241.4	2.7
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°	9099.0	100.0
0°-180°	9099.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947244

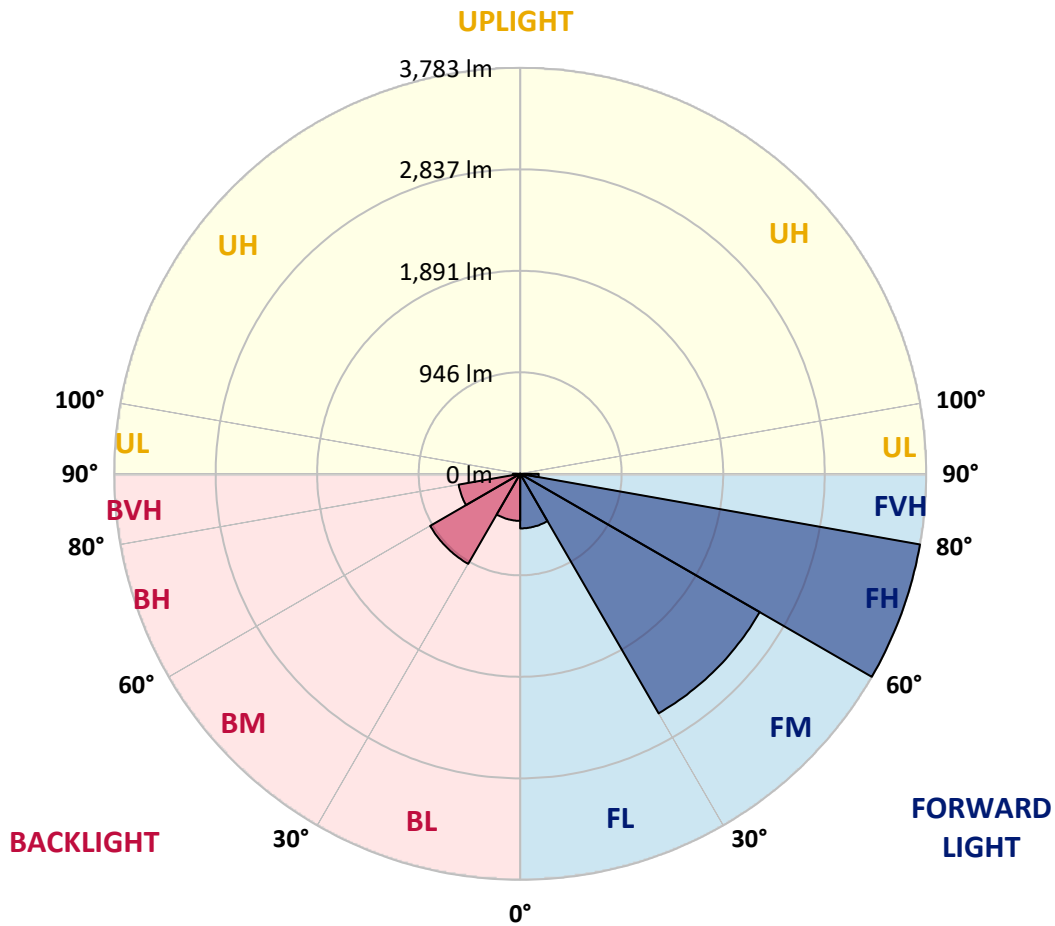
CATALOG NUMBER: GALN-SB2C-927-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.8	5.6			
FM (30°-60°)	2577.3	28.3			
FH (60°-80°)	3782.7	41.6			G2/5000
FVH (80°-90°)	173.2	1.9			G2/225
BL (0°-30°)	437.9	4.8	B1/500		
BM (30°-60°)	968.5	10.6	B1/1000		
BH (60°-80°)	582.3	6.4	B2/1000		G2/1000
BVH (80°-90°)	68.2	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



REPORT NUMBER: P947244

CATALOG NUMBER: GALN-SB2C-927-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	917.9	917.9	917.9	917.9	917.9	917.9	917.9	917.9	917.9	917.9
2.5°	953.9	960.1	954.3	949.1	946.7	940.4	940.0	936.1	933.7	927.0
5°	1020.5	1028.6	1019.1	1008.5	998.9	983.6	981.7	970.6	958.2	943.8
7.5°	1095.7	1102.9	1091.9	1076.1	1059.3	1033.9	1033.4	1013.3	993.6	969.2
10°	1161.4	1171.0	1156.1	1134.6	1113.5	1084.7	1081.4	1058.4	1033.4	1001.8
12.5°	1219.4	1226.1	1211.7	1185.4	1160.9	1132.2	1127.9	1102.5	1074.7	1038.7
15°	1265.4	1274.1	1254.9	1226.6	1200.7	1172.4	1168.6	1145.6	1117.8	1079.9
17.5°	1295.6	1302.8	1283.2	1251.5	1226.6	1203.1	1200.2	1181.1	1156.6	1118.3
20°	1307.1	1314.8	1294.2	1262.1	1239.1	1220.8	1219.4	1205.5	1188.7	1153.7
22.5°	1318.6	1325.8	1299.0	1265.4	1245.3	1233.8	1233.3	1224.2	1217.5	1188.7
25°	1365.1	1367.0	1331.1	1282.7	1253.9	1243.9	1243.4	1242.9	1245.8	1223.2
27.5°	1405.4	1404.9	1374.2	1328.7	1284.1	1263.0	1262.5	1267.3	1276.4	1257.8
30°	1464.3	1459.1	1422.6	1375.2	1334.4	1301.9	1299.0	1294.7	1301.9	1287.0
32.5°	1589.4	1572.7	1513.7	1429.4	1376.1	1351.2	1347.4	1320.5	1323.4	1314.3
35°	1768.7	1746.7	1668.1	1531.9	1427.9	1392.4	1390.5	1356.5	1350.7	1342.6
37.5°	1982.0	1954.7	1863.1	1680.5	1517.1	1440.4	1437.5	1406.8	1383.3	1374.7
40°	2196.3	2161.8	2086.0	1861.7	1648.4	1520.4	1511.3	1464.8	1438.0	1423.6
42.5°	2404.3	2375.5	2310.8	2064.9	1810.4	1637.4	1617.3	1537.7	1517.6	1504.1
45°	2588.4	2562.5	2515.0	2282.1	2000.2	1796.5	1776.9	1647.0	1640.7	1640.7
47.5°	2737.9	2732.2	2681.8	2503.5	2224.1	1977.7	1943.7	1798.9	1815.7	1841.6
50°	2903.8	2887.9	2834.3	2721.6	2487.2	2185.3	2157.5	1985.4	2048.2	2119.1
52.5°	3056.2	3064.8	3004.9	2948.8	2784.4	2416.8	2367.9	2205.4	2341.0	2458.5
55°	3212.9	3213.4	3196.6	3189.0	3096.0	2672.7	2619.0	2470.0	2685.7	2831.4
57.5°	3360.1	3361.0	3386.0	3453.6	3457.4	2968.0	2907.1	2795.0	3068.7	3217.2
60°	3491.4	3498.1	3566.2	3724.4	3775.2	3306.4	3248.9	3178.9	3464.6	3614.1
62.5°	3535.5	3560.0	3711.4	3936.2	4089.1	3721.5	3664.9	3623.2	3880.6	4019.6
65°	3460.7	3516.8	3809.7	4111.2	4412.2	4214.7	4158.6	4113.1	4313.0	4443.8
67.5°	3277.2	3349.5	3803.9	4294.8	4804.3	4808.1	4755.9	4649.0	4776.5	4826.8
70°	2793.5	2901.8	3468.9	4363.3	5254.4	5619.6	5569.3	5294.2	5239.0	4995.6
72.5°	1799.9	1945.6	2554.3	3799.1	5354.6	6383.2	6380.3	5876.6	5385.2	4667.7
75°	656.7	745.8	1186.8	2384.7	4494.7	6344.4	6363.1	5776.9	4916.0	3605.5
77.5°	239.2	261.7	387.3	916.5	2764.3	5090.5	5129.3	4618.3	3499.1	1809.5
80°	125.6	138.0	198.4	355.7	1184.4	3023.1	3084.0	2744.6	1644.6	545.0
82.5°	69.5	75.3	111.2	193.2	533.5	1292.7	1329.2	1084.2	578.5	231.0
85°	37.4	39.8	52.2	105.5	260.8	448.2	458.2	324.0	230.6	135.6
87.5°	11.0	13.4	17.3	33.6	102.1	100.7	103.1	64.2	91.1	68.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947244
 CATALOG NUMBER: GALN-SB2C-927-U-T4W

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
917.9	0°	917.9	917.9	917.9	917.9	917.9	917.9	917.9	917.9	917.9	917.9
925.1	2.5°	922.2	920.8	915.5	913.1	910.2	909.8	912.2	912.6	913.1	913.6
935.6	5°	930.9	926.1	921.3	918.4	919.3	919.8	924.6	928.0	930.4	932.3
955.3	7.5°	947.6	943.8	935.6	935.2	936.6	940.9	947.2	954.8	959.1	962.5
980.7	10°	972.6	965.4	955.8	957.2	960.1	966.3	979.3	985.5	992.7	998.9
1011.9	12.5°	998.0	991.7	980.7	981.7	986.5	997.5	1009.9	1017.6	1022.4	1027.2
1045.4	15°	1031.0	1020.0	1008.0	1008.0	1016.7	1028.6	1034.4	1040.6	1043.5	1048.8
1081.4	17.5°	1065.1	1050.7	1034.9	1033.9	1044.5	1050.2	1053.6	1054.5	1055.5	1061.2
1116.4	20°	1099.1	1083.3	1060.8	1058.8	1061.2	1060.3	1059.8	1058.8	1060.3	1067.5
1152.3	22.5°	1132.7	1114.4	1083.3	1074.7	1067.9	1058.8	1058.4	1057.9	1058.8	1066.0
1191.1	25°	1172.0	1149.9	1108.2	1082.3	1059.8	1047.3	1048.8	1049.2	1050.2	1056.0
1231.4	27.5°	1214.6	1190.2	1131.2	1079.9	1039.2	1030.6	1028.2	1029.6	1033.0	1042.1
1271.7	30°	1257.3	1228.5	1152.3	1070.3	1013.3	1001.3	993.6	997.0	1007.5	1016.7
1306.6	32.5°	1296.1	1267.3	1169.1	1049.2	980.2	961.5	951.5	955.8	966.3	969.7
1345.5	35°	1341.6	1309.0	1176.3	1015.7	944.3	915.5	902.1	895.9	901.1	897.8
1391.0	37.5°	1392.4	1358.4	1175.3	971.6	902.1	869.0	850.3	826.8	815.8	804.3
1458.1	40°	1467.7	1418.8	1163.8	918.4	849.8	819.6	786.1	746.3	721.4	698.9
1566.4	42.5°	1570.3	1502.7	1142.7	859.9	790.9	762.6	717.1	670.6	631.3	593.9
1730.9	45°	1723.2	1612.5	1116.4	797.6	727.1	699.3	650.0	597.7	553.1	505.2
1964.3	47.5°	1943.7	1760.1	1091.4	726.7	660.0	634.6	590.1	541.6	488.9	442.4
2301.7	50°	2246.6	1972.0	1068.4	657.6	593.9	574.7	539.2	489.9	436.7	399.3
2697.2	52.5°	2632.0	2260.0	1058.8	591.0	532.1	524.9	496.6	450.6	400.2	368.6
3158.3	55°	3074.4	2604.7	1058.8	527.3	477.9	480.3	460.6	418.0	374.4	346.1
3633.8	57.5°	3525.9	2953.6	1039.7	468.3	431.9	441.9	429.5	392.1	352.8	323.5
4133.7	60°	3942.0	3246.0	962.0	414.6	391.1	406.9	398.8	366.7	318.8	294.3
4551.7	62.5°	4261.7	3410.9	812.5	372.0	357.6	375.8	371.5	333.1	312.5	302.5
4894.9	65°	4421.8	3384.1	621.2	334.1	329.3	357.6	348.5	347.0	330.7	319.2
5006.6	67.5°	4323.5	3153.0	450.6	306.3	313.0	340.8	375.8	381.5	351.3	328.8
4692.1	70°	3892.6	2735.0	335.5	279.9	292.4	341.3	428.5	399.3	344.6	318.3
3763.2	72.5°	2961.3	2039.5	260.3	252.1	265.5	343.7	452.0	391.1	325.5	351.8
2344.4	75°	1693.5	1119.7	209.0	218.1	232.0	321.1	440.0	370.0	310.6	323.1
928.9	77.5°	645.7	430.4	172.6	184.5	186.5	280.4	420.8	368.6	295.7	288.6
278.5	80°	223.8	168.2	142.8	146.7	144.3	249.3	403.6	320.7	242.1	216.7
115.0	82.5°	91.6	83.9	113.1	108.3	102.6	193.6	325.9	262.2	198.0	175.0
55.6	85°	39.8	53.2	74.8	65.7	59.4	134.2	261.2	221.9	167.3	144.3
18.2	87.5°	8.1	20.1	31.6	29.7	30.7	89.6	185.5	157.7	118.4	88.7
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°
917.9
915.5
933.3
963.4
997.5
1029.1
1050.7
1063.1
1070.3
1070.8
1063.6
1051.2
1026.7
981.7
908.3
811.5
700.3
590.5
499.5
437.1
396.9
366.2
343.2
318.8
290.5
299.1
315.4
325.0
314.0
349.0
323.1
263.2
209.5
173.0
143.8
69.5
0.0

F REPORT)