

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: STREETWORKS

Report Number: P846403

Luminaire Tested: **GLAN-SB2A-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8726 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

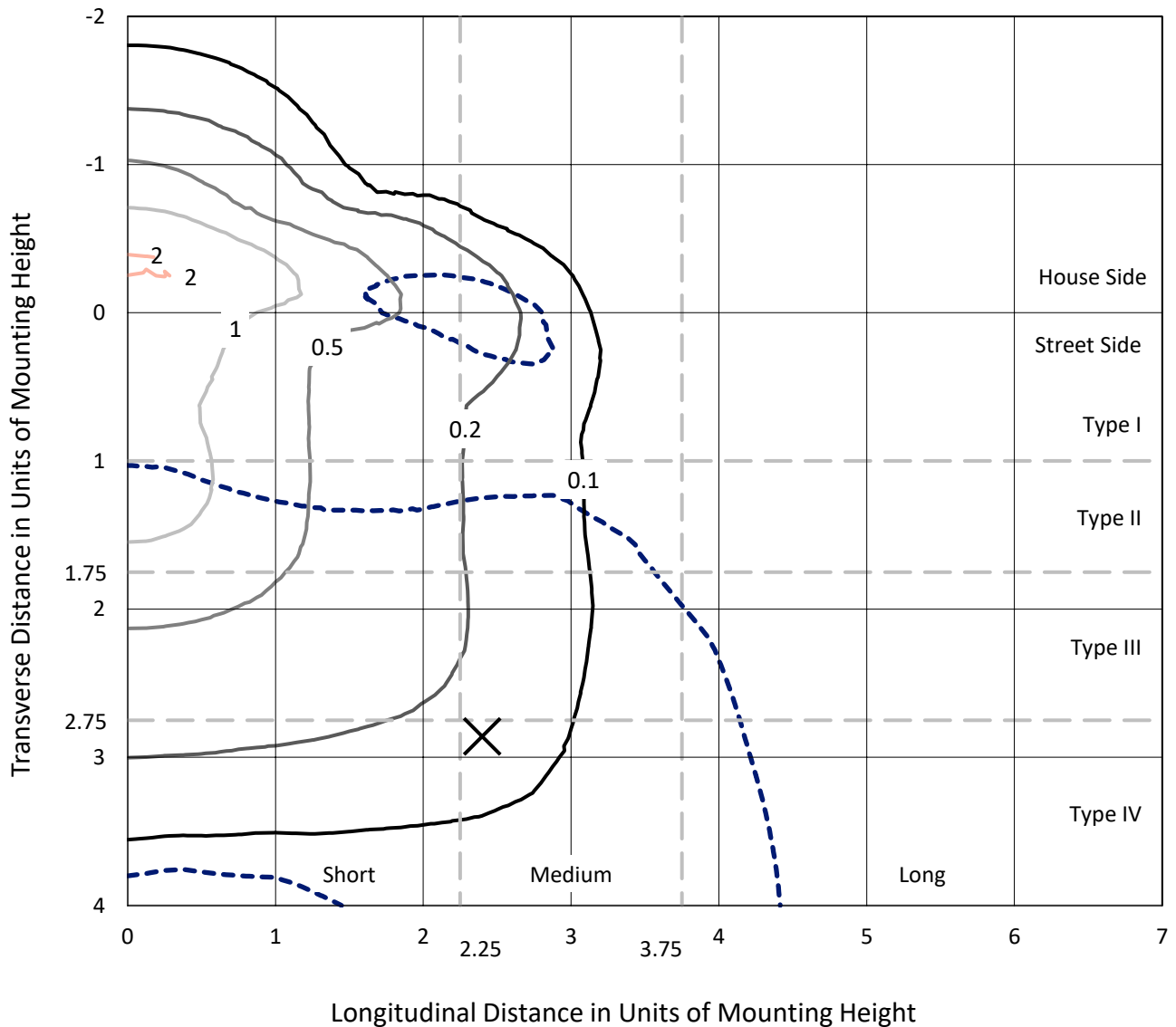
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846403
 CATALOG NUMBER: GLAN-SB2A-735-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

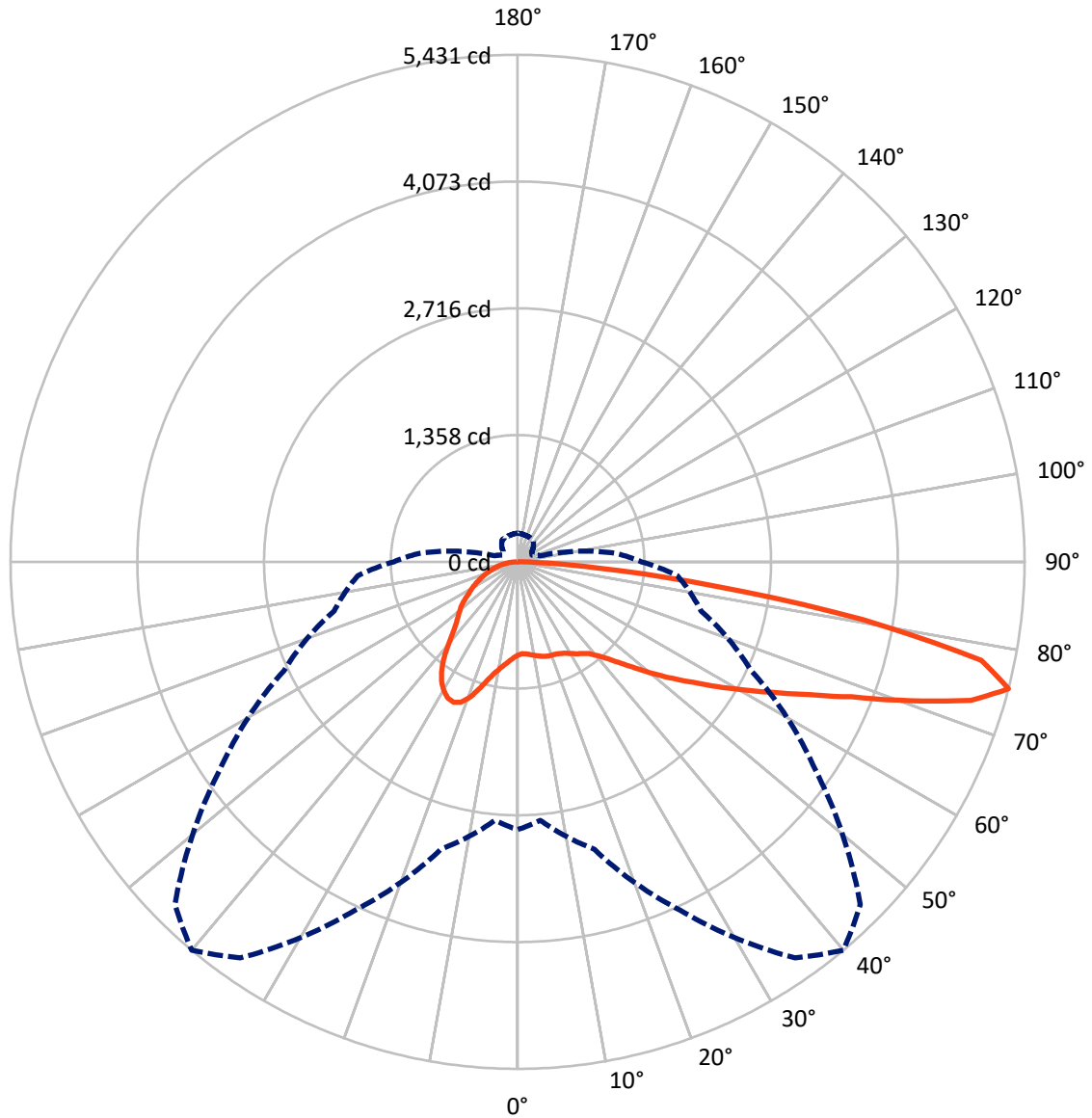
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P846403
CATALOG NUMBER: GLAN-SB2A-735-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P846403
 CATALOG NUMBER: GLAN-SB2A-735-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2703.6	0.0	2703.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6022.4	0.0	6022.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	8726.0	0.0	8726.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.1
10°-20°	334.4	3.8
20°-30°	610.6	7.0
30°-40°	866.0	9.9
40°-50°	1169.4	13.4
50°-60°	1573.1	18.0
60°-70°	1996.7	22.9
70°-80°	1812.1	20.8
80°-90°	264.1	3.0
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°	8726.0	100.0
0°-180°	8726.0	100.0

Coefficient of Utilization

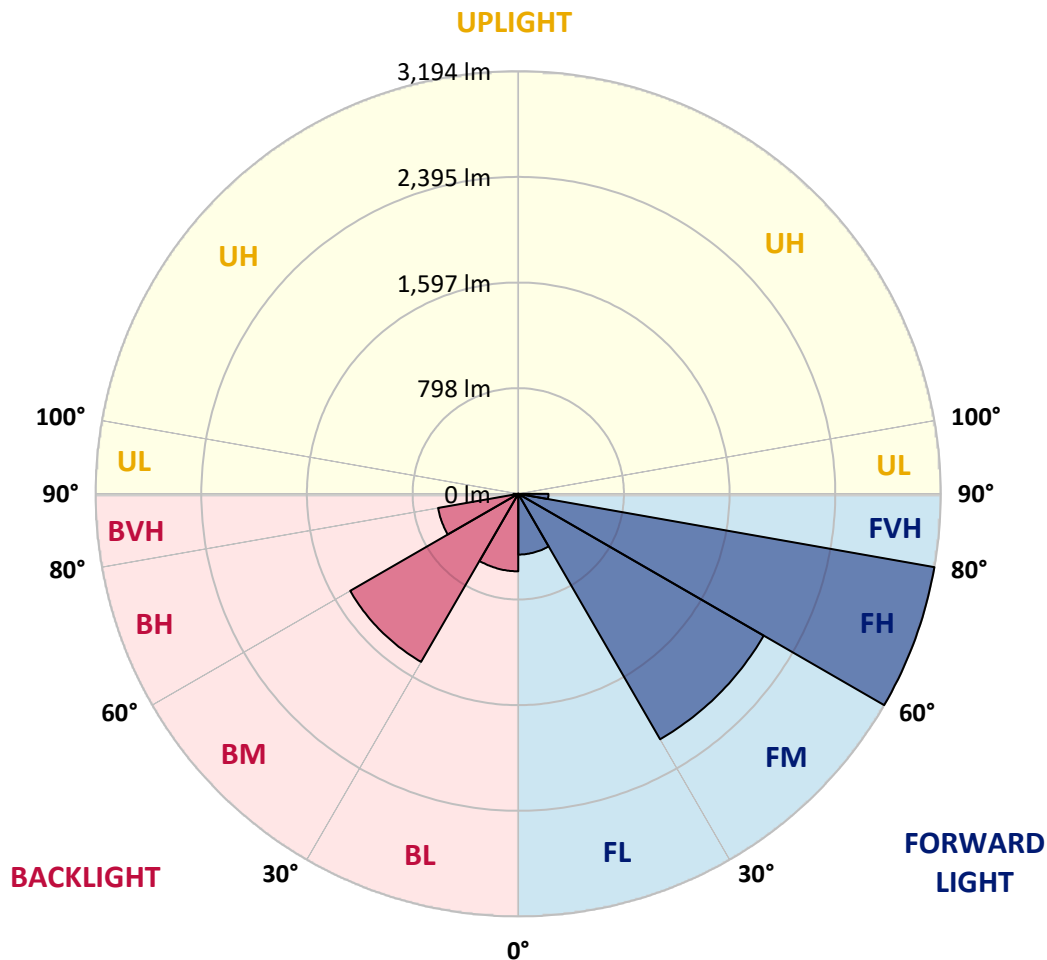


REPORT NUMBER: P846403
 CATALOG NUMBER: GLAN-SB2A-735-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.0	5.3			
FM (30°-60°)	2142.0	24.5			
FH (60°-80°)	3193.6	36.6			G2/5000
FVH (80°-90°)	227.8	2.6			G3/500
BL (0°-30°)	585.6	6.7	B2/1000		
BM (30°-60°)	1466.5	16.8	B2/2500		
BH (60°-80°)	615.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	36.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Medium



REPORT NUMBER: P846403
 CATALOG NUMBER: GLAN-SB2A-735-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8
2.5°	982.6	988.1	986.7	984.9	984.9	985.3	984.9	988.1	991.4	994.6
5°	992.7	998.3	995.5	993.2	991.4	990.9	989.5	989.0	990.9	995.1
7.5°	1012.6	1018.2	1014.0	1009.9	1006.2	1004.3	1002.5	999.7	998.3	1000.6
10°	1034.9	1040.4	1035.3	1027.9	1021.9	1019.6	1017.7	1015.0	1013.1	1014.5
12.5°	1057.1	1062.6	1055.7	1045.5	1037.6	1036.2	1033.9	1033.0	1032.5	1032.1
15°	1077.9	1082.5	1073.7	1061.7	1053.4	1051.1	1048.7	1050.1	1052.4	1055.2
17.5°	1094.1	1098.7	1085.8	1070.0	1062.2	1061.2	1059.8	1064.5	1071.0	1077.9
20°	1108.9	1113.5	1096.9	1075.6	1066.3	1066.3	1066.8	1076.5	1085.8	1095.9
22.5°	1129.7	1133.4	1113.1	1083.9	1070.5	1071.4	1075.1	1084.8	1096.4	1110.3
25°	1160.7	1163.5	1138.5	1099.6	1084.4	1087.2	1090.4	1095.0	1106.1	1122.3
27.5°	1210.7	1213.0	1180.2	1127.4	1104.3	1108.9	1113.5	1110.3	1115.4	1129.3
30°	1281.1	1282.5	1240.8	1170.9	1138.1	1140.4	1141.3	1127.9	1118.2	1129.3
32.5°	1364.4	1363.9	1314.4	1223.7	1176.5	1174.2	1166.3	1139.9	1117.2	1127.0
35°	1493.5	1488.4	1424.5	1297.7	1220.0	1205.6	1187.1	1153.3	1121.9	1124.6
37.5°	1707.3	1691.6	1603.2	1419.0	1284.8	1248.2	1220.9	1175.1	1132.0	1123.7
40°	1948.5	1928.6	1831.4	1585.1	1382.0	1323.2	1279.2	1206.1	1148.7	1127.9
42.5°	2234.5	2206.2	2101.6	1780.9	1505.1	1419.9	1353.7	1245.4	1173.2	1141.3
45°	2585.7	2548.3	2400.2	2001.7	1660.1	1546.7	1458.3	1305.1	1210.7	1167.2
47.5°	2940.7	2950.0	2739.4	2254.4	1846.2	1703.2	1589.3	1394.9	1265.3	1208.9
50°	3317.9	3324.4	3076.8	2534.4	2057.2	1880.0	1736.5	1495.4	1341.2	1268.1
52.5°	3612.3	3613.2	3383.2	2827.3	2277.1	2074.3	1895.2	1610.1	1429.2	1346.8
55°	3796.5	3794.2	3597.9	3104.6	2529.7	2278.4	2071.1	1740.6	1536.5	1439.4
57.5°	3930.2	3923.3	3746.0	3342.9	2799.1	2519.6	2270.1	1888.7	1663.4	1549.5
60°	3981.1	3977.0	3846.5	3548.9	3082.3	2786.1	2499.7	2054.4	1807.3	1679.6
62.5°	4000.6	4008.4	3945.0	3748.3	3385.5	3081.4	2751.9	2252.5	1969.3	1826.7
65°	4069.1	4083.4	4070.5	4009.4	3728.0	3427.1	3086.5	2488.1	2146.1	1984.6
67.5°	4204.7	4219.0	4224.6	4321.8	4146.4	3858.0	3504.0	2781.5	2353.0	2148.4
70°	4201.4	4197.3	4295.4	4570.3	4670.3	4454.6	4066.8	3142.5	2599.6	2284.5
72.5°	3824.2	3790.9	4022.8	4567.5	5106.2	5077.5	4754.0	3608.1	2812.5	2301.1
75°	2869.0	2780.1	3189.7	4116.3	5178.9	5431.1	5190.9	3896.9	2762.1	2033.1
77.5°	1226.9	1137.6	1620.3	3047.2	4635.1	5077.1	4790.1	3399.8	2204.9	1344.5
80°	321.2	320.7	489.7	1381.5	3152.2	3749.3	3289.2	2195.6	1259.8	480.4
82.5°	132.8	129.6	180.0	537.3	1540.2	2104.0	1717.0	979.3	454.9	130.1
85°	49.5	49.1	87.5	185.6	543.3	867.8	628.0	250.4	113.4	63.4
87.5°	13.9	13.4	19.0	64.3	132.4	200.9	107.4	41.2	31.9	25.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846403
 CATALOG NUMBER: GLAN-SB2A-735-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
997.8	0°	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8
999.7	2.5°	1001.1	1003.4	1007.5	1010.8	1015.0	1019.6	1026.1	1030.2	1034.4	1037.2
1002.0	5°	1005.2	1010.3	1021.0	1031.6	1044.1	1055.7	1069.1	1078.8	1086.7	1089.0
1010.3	7.5°	1014.5	1022.8	1040.9	1058.9	1078.8	1097.8	1117.2	1133.9	1147.3	1152.4
1025.1	10°	1030.7	1041.8	1067.3	1092.7	1119.1	1148.2	1173.2	1197.3	1216.3	1224.1
1042.7	12.5°	1051.1	1064.9	1098.3	1133.4	1170.0	1210.3	1242.7	1272.3	1295.9	1306.5
1067.3	15°	1077.4	1095.5	1138.1	1185.3	1239.0	1295.0	1336.1	1369.0	1395.4	1408.3
1092.7	17.5°	1106.1	1130.2	1183.9	1255.2	1332.0	1405.6	1453.7	1477.8	1505.1	1517.6
1116.3	20°	1133.9	1163.5	1240.3	1344.0	1446.3	1524.5	1563.4	1569.9	1571.7	1573.1
1138.5	22.5°	1162.6	1202.4	1311.2	1456.0	1565.7	1619.9	1625.4	1597.6	1558.8	1540.7
1160.3	25°	1194.1	1246.8	1403.7	1579.6	1668.4	1674.9	1632.3	1564.8	1491.2	1457.4
1177.9	27.5°	1224.6	1298.2	1514.8	1697.6	1742.5	1685.6	1593.9	1498.1	1409.3	1373.6
1190.4	30°	1255.2	1357.0	1637.4	1800.8	1776.3	1659.2	1533.3	1426.4	1337.1	1299.6
1201.5	32.5°	1286.2	1425.5	1778.6	1875.3	1770.3	1603.2	1457.9	1345.9	1267.2	1227.8
1211.2	35°	1321.3	1509.7	1912.4	1916.1	1730.0	1520.8	1358.4	1249.6	1181.1	1149.6
1222.8	37.5°	1367.2	1616.6	2030.4	1926.2	1659.7	1400.0	1234.8	1135.7	1079.3	1064.9
1239.9	40°	1424.1	1745.3	2120.6	1910.0	1555.5	1253.3	1099.6	1020.5	988.6	991.8
1263.0	42.5°	1498.1	1889.2	2184.0	1868.4	1410.7	1102.0	981.2	946.0	961.3	974.2
1297.7	45°	1594.4	2038.7	2223.4	1797.6	1246.8	973.8	911.3	919.6	931.2	932.6
1353.7	47.5°	1717.5	2190.0	2249.3	1690.7	1079.7	883.5	866.9	868.7	866.4	856.7
1437.5	50°	1871.2	2337.2	2272.4	1549.0	937.7	827.1	804.8	798.4	766.4	735.0
1549.0	52.5°	2046.1	2472.4	2282.1	1373.2	827.1	779.8	743.7	703.0	643.3	633.6
1689.3	55°	2240.5	2597.3	2257.2	1157.0	734.0	719.2	664.6	615.5	609.1	600.7
1873.9	57.5°	2472.8	2732.0	2206.2	915.9	638.7	648.4	595.2	600.7	589.2	576.2
2111.4	60°	2726.9	2871.3	2116.9	696.1	540.1	560.0	577.1	576.7	573.4	562.8
2361.7	62.5°	2955.5	2962.9	1941.0	533.2	453.6	491.5	538.3	537.8	535.0	529.0
2623.2	65°	3091.6	2949.1	1647.6	419.8	382.3	435.0	485.5	489.2	489.7	489.2
2819.9	67.5°	3067.5	2786.6	1245.0	334.2	323.5	377.7	433.2	438.3	442.0	442.9
2844.9	70°	2795.4	2429.8	811.8	266.6	271.2	327.2	383.7	388.8	392.0	395.7
2468.7	72.5°	2178.9	1786.5	464.7	215.7	225.4	283.7	334.6	340.6	342.5	349.4
1718.0	75°	1327.8	1050.6	250.8	169.9	185.1	242.5	286.0	293.0	296.2	304.5
843.7	77.5°	631.3	454.9	143.0	132.4	149.0	198.1	241.6	249.5	240.7	245.3
232.8	80°	213.4	168.9	90.2	100.9	113.9	154.6	193.5	201.3	182.8	181.9
77.3	82.5°	74.5	68.5	57.4	67.1	73.6	110.6	146.2	156.4	136.1	135.6
34.7	85°	29.2	27.8	31.9	36.6	44.0	68.0	96.3	101.4	83.8	67.6
10.2	87.5°	6.0	6.5	7.9	8.3	13.4	23.6	34.7	42.6	33.8	28.7
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°
997.8
1035.3
1089.9
1152.9
1224.6
1306.5
1407.4
1517.1
1576.8
1545.8
1462.5
1377.8
1303.8
1232.9
1156.6
1075.1
1002.9
986.3
941.8
864.1
739.1
636.8
602.1
573.9
559.1
526.7
489.2
443.8
397.6
352.2
305.5
241.6
180.0
129.1
66.6
26.4
0.0

F REPORT)