

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: P846473

Luminaire Tested: **GLAN-SB2A-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846473  
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-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

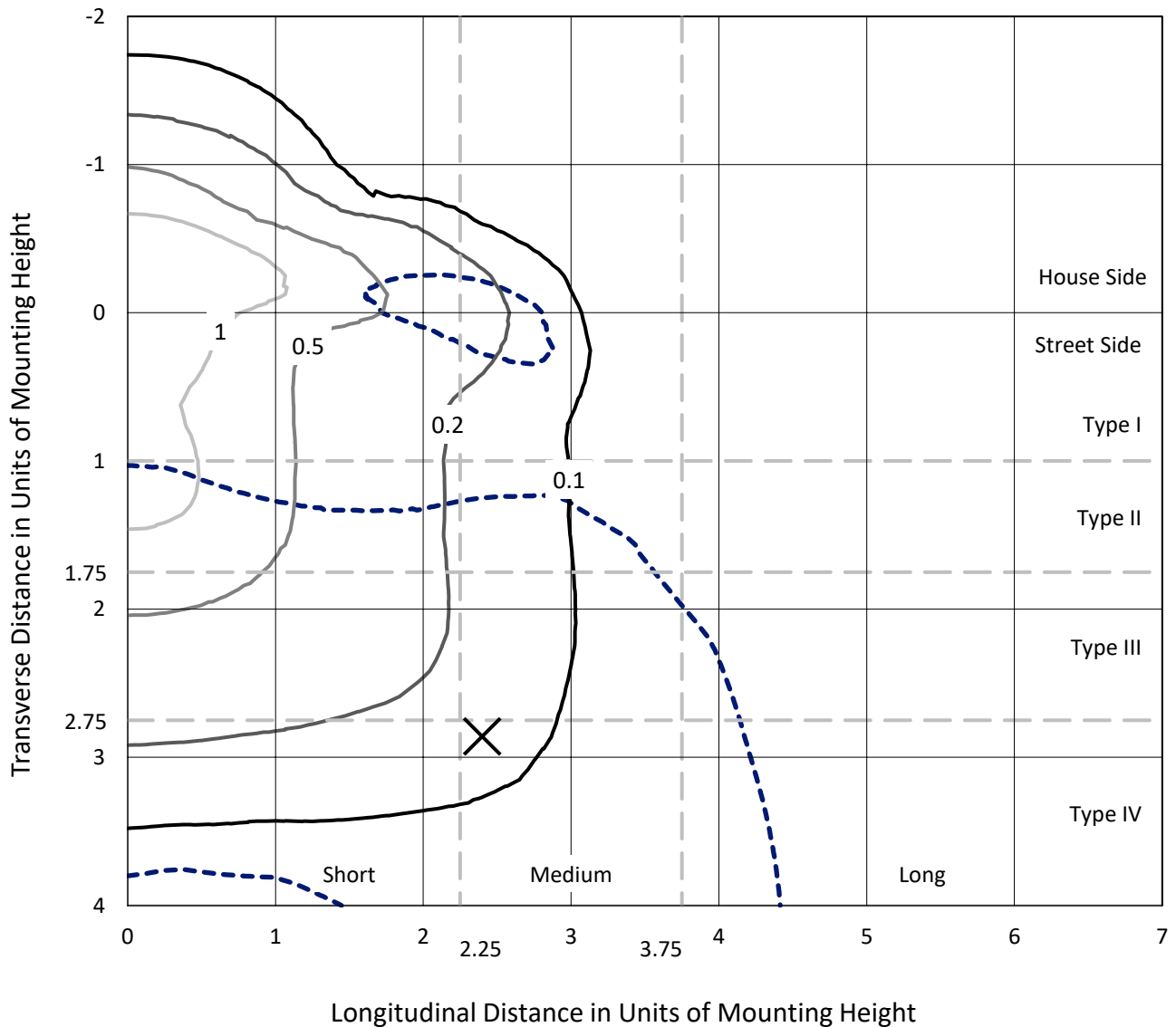
Lumens per Lamp: N/A  
Luminaire Lumens: 7908 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P846473  
 CATALOG NUMBER: GLAN-SB2A-840-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

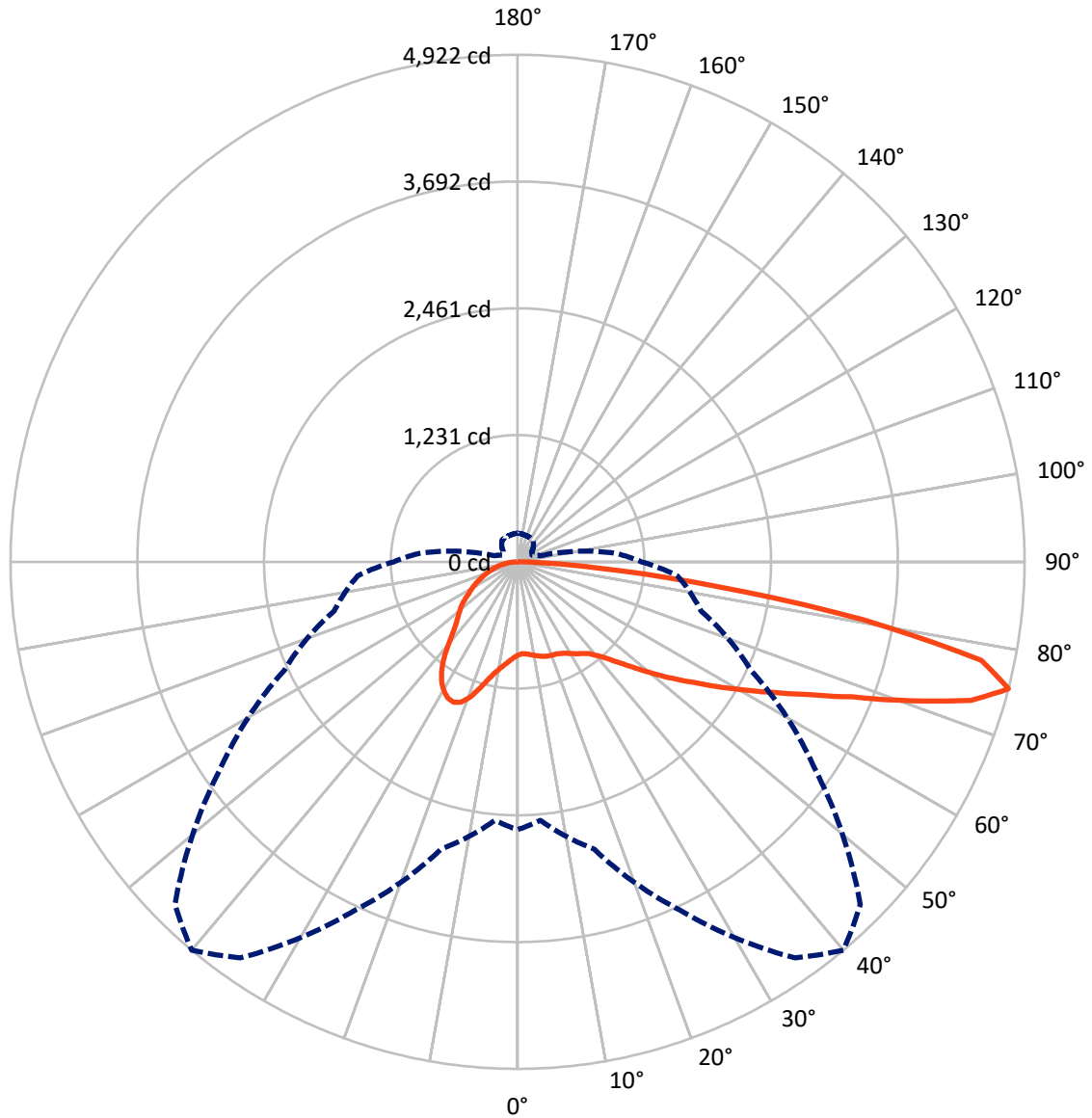
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P846473  
CATALOG NUMBER: GLAN-SB2A-840-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846473  
 CATALOG NUMBER: GLAN-SB2A-840-U-SL4

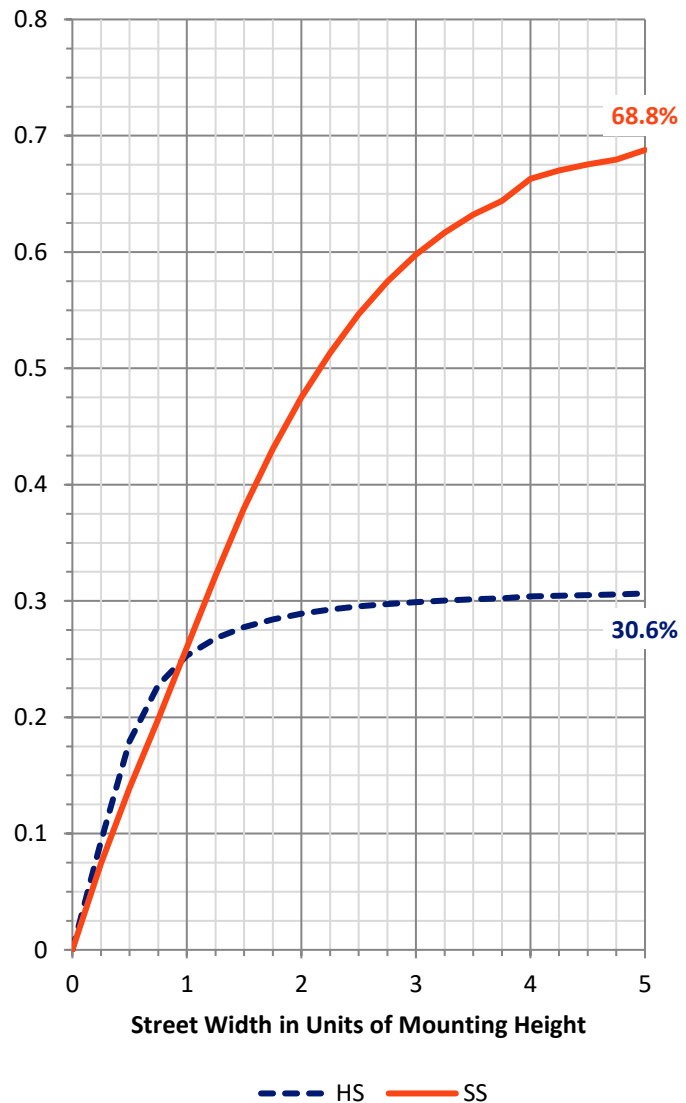
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2450.2	0.0	2450.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	5457.8	0.0	5457.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	7908.0	0.0	7908.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.3	1.1
10°-20°	303.1	3.8
20°-30°	553.4	7.0
30°-40°	784.8	9.9
40°-50°	1059.8	13.4
50°-60°	1425.6	18.0
60°-70°	1809.5	22.9
70°-80°	1642.2	20.8
80°-90°	239.4	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°	7908.0	100.0
0°-180°	7908.0	100.0

**Coefficient of Utilization**

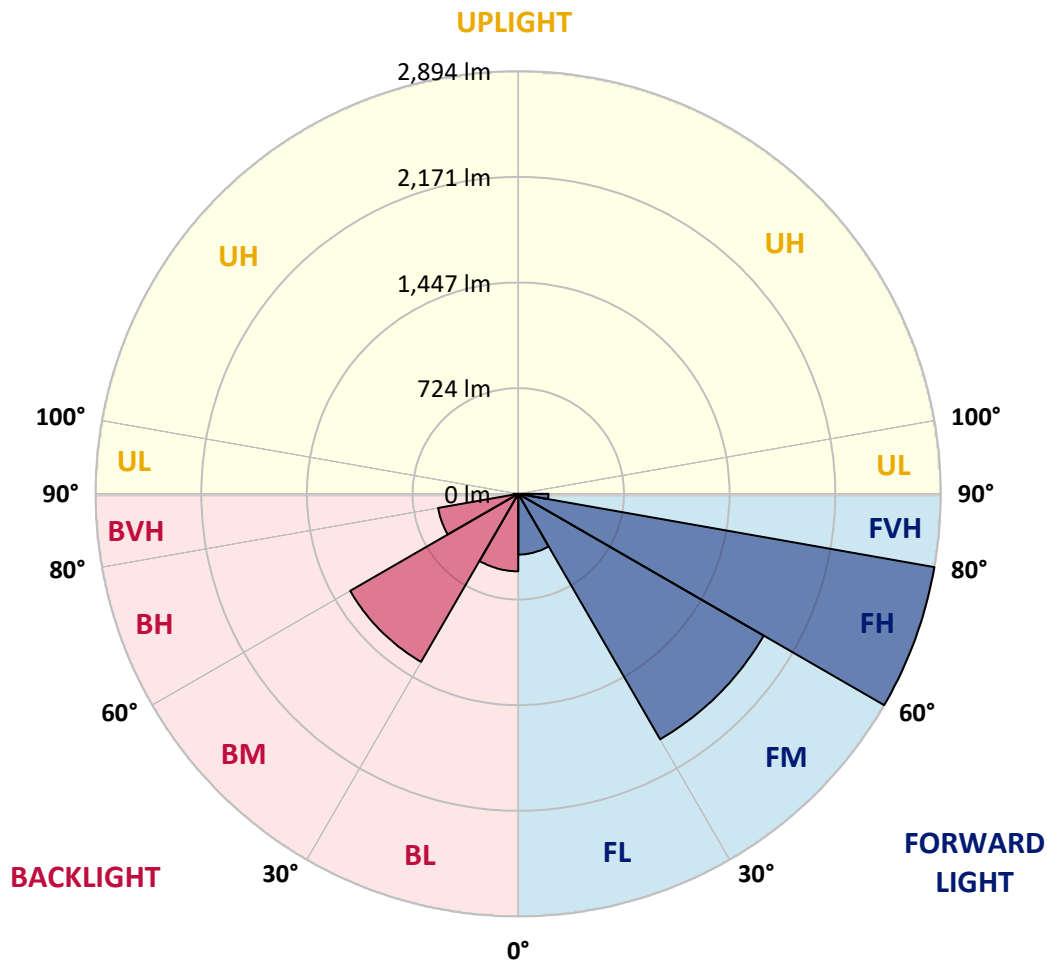


REPORT NUMBER: P846473  
 CATALOG NUMBER: GLAN-SB2A-840-U-SL4

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.0	5.3			
FM (30°-60°)	1941.2	24.5			
FH (60°-80°)	2894.2	36.6			G2/5000
FVH (80°-90°)	206.4	2.6			G2/225
BL (0°-30°)	530.7	6.7	B2/1000		
BM (30°-60°)	1329.0	16.8	B2/2500		
BH (60°-80°)	557.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	33.0	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-G2**  
 Type IV Medium



REPORT NUMBER: P846473

CATALOG NUMBER: GLAN-SB2A-840-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	904.3	904.3	904.3	904.3	904.3	904.3	904.3	904.3	904.3	904.3
2.5°	890.4	895.5	894.2	892.5	892.5	893.0	892.5	895.5	898.4	901.4
5°	899.7	904.7	902.2	900.1	898.4	898.0	896.7	896.3	898.0	901.8
7.5°	917.7	922.7	919.0	915.2	911.8	910.2	908.5	906.0	904.7	906.8
10°	937.8	942.9	938.3	931.6	926.1	924.0	922.3	919.8	918.1	919.4
12.5°	958.0	963.0	956.7	947.5	940.4	939.1	937.0	936.2	935.7	935.3
15°	976.9	981.0	973.1	962.2	954.6	952.5	950.4	951.7	953.8	956.3
17.5°	991.5	995.7	984.0	969.7	962.6	961.8	960.5	964.7	970.6	976.9
20°	1005.0	1009.1	994.0	974.8	966.4	966.4	966.8	975.6	984.0	993.2
22.5°	1023.8	1027.2	1008.7	982.3	970.1	971.0	974.3	983.1	993.6	1006.2
25°	1051.9	1054.4	1031.8	996.6	982.7	985.2	988.2	992.4	1002.4	1017.1
27.5°	1097.2	1099.3	1069.5	1021.7	1000.8	1005.0	1009.1	1006.2	1010.8	1023.4
30°	1161.0	1162.2	1124.5	1061.2	1031.4	1033.5	1034.3	1022.2	1013.3	1023.4
32.5°	1236.5	1236.1	1191.2	1109.0	1066.2	1064.1	1057.0	1033.1	1012.5	1021.3
35°	1353.5	1348.9	1291.0	1176.1	1105.6	1092.6	1075.8	1045.2	1016.7	1019.2
37.5°	1547.3	1533.0	1452.9	1286.0	1164.3	1131.2	1106.5	1064.9	1025.9	1018.4
40°	1765.8	1747.8	1659.7	1436.5	1252.4	1199.1	1159.3	1093.0	1041.0	1022.2
42.5°	2025.0	1999.4	1904.6	1614.0	1364.0	1286.8	1226.8	1128.7	1063.3	1034.3
45°	2343.4	2309.4	2175.2	1814.0	1504.5	1401.7	1321.6	1182.8	1097.2	1057.8
47.5°	2665.1	2673.4	2482.6	2043.0	1673.1	1543.5	1440.3	1264.2	1146.7	1095.6
50°	3006.9	3012.8	2788.4	2296.8	1864.4	1703.7	1573.7	1355.2	1215.5	1149.2
52.5°	3273.6	3274.5	3066.0	2562.3	2063.6	1879.9	1717.6	1459.2	1295.2	1220.5
55°	3440.6	3438.5	3260.6	2813.5	2292.6	2064.9	1876.9	1577.5	1392.5	1304.4
57.5°	3561.8	3555.5	3394.9	3029.5	2536.7	2283.4	2057.3	1711.7	1507.4	1404.3
60°	3607.9	3604.2	3485.9	3216.2	2793.4	2525.0	2265.3	1861.8	1637.9	1522.1
62.5°	3625.5	3632.7	3575.2	3397.0	3068.1	2792.6	2493.9	2041.4	1784.7	1655.5
65°	3687.6	3700.6	3688.9	3633.5	3378.5	3105.9	2797.2	2254.9	1944.9	1798.5
67.5°	3810.5	3823.5	3828.6	3916.6	3757.7	3496.4	3175.5	2520.8	2132.4	1947.0
70°	3807.6	3803.8	3892.7	4141.9	4232.5	4037.0	3685.5	2847.9	2355.9	2070.3
72.5°	3465.7	3435.5	3645.7	4139.4	4627.6	4601.6	4308.4	3269.9	2548.9	2085.4
75°	2600.0	2519.5	2890.7	3730.4	4693.4	4922.0	4704.3	3531.6	2503.2	1842.6
77.5°	1111.9	1031.0	1468.4	2761.5	4200.6	4601.1	4341.1	3081.1	1998.2	1218.4
80°	291.1	290.7	443.8	1252.0	2856.7	3397.8	2980.9	1989.8	1141.7	435.4
82.5°	120.4	117.4	163.2	487.0	1395.9	1906.7	1556.1	887.5	412.3	117.9
85°	44.9	44.5	79.3	168.2	492.4	786.4	569.2	226.9	102.8	57.5
87.5°	12.6	12.2	17.2	58.3	120.0	182.0	97.3	37.3	28.9	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846473  
 CATALOG NUMBER: GLAN-SB2A-840-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
904.3	0°	904.3	904.3	904.3	904.3	904.3	904.3	904.3	904.3	904.3	904.3
906.0	2.5°	907.2	909.3	913.1	916.0	919.8	924.0	929.9	933.7	937.4	939.9
908.1	5°	911.0	915.6	925.3	934.9	946.2	956.7	968.9	977.7	984.8	986.9
915.6	7.5°	919.4	926.9	943.3	959.7	977.7	994.9	1012.5	1027.6	1039.8	1044.4
929.0	10°	934.1	944.1	967.2	990.3	1014.2	1040.6	1063.3	1085.1	1102.3	1109.4
945.0	12.5°	952.5	965.1	995.3	1027.2	1060.3	1096.8	1126.2	1153.0	1174.4	1184.0
967.2	15°	976.4	992.8	1031.4	1074.2	1122.8	1173.6	1210.9	1240.7	1264.6	1276.3
990.3	17.5°	1002.4	1024.2	1072.9	1137.5	1207.1	1273.8	1317.4	1339.2	1364.0	1375.3
1011.7	20°	1027.6	1054.4	1124.1	1218.0	1310.7	1381.6	1416.8	1422.7	1424.4	1425.6
1031.8	22.5°	1053.6	1089.7	1188.2	1319.5	1418.9	1468.0	1473.0	1447.9	1412.6	1396.3
1051.5	25°	1082.1	1129.9	1272.1	1431.5	1512.0	1517.9	1479.3	1418.1	1351.4	1320.8
1067.4	27.5°	1109.8	1176.5	1372.8	1538.5	1579.2	1527.6	1444.5	1357.7	1277.2	1244.9
1078.8	30°	1137.5	1229.8	1483.9	1632.0	1609.8	1503.7	1389.6	1292.7	1211.7	1177.8
1088.8	32.5°	1165.6	1291.8	1611.9	1699.5	1604.3	1452.9	1321.2	1219.7	1148.4	1112.7
1097.6	35°	1197.5	1368.2	1733.1	1736.4	1567.8	1378.2	1231.0	1132.5	1070.4	1041.9
1108.1	37.5°	1239.0	1465.1	1840.0	1745.7	1504.1	1268.8	1119.0	1029.3	978.1	965.1
1123.7	40°	1290.6	1581.7	1921.8	1731.0	1409.7	1135.8	996.6	924.8	895.9	898.8
1144.6	42.5°	1357.7	1712.1	1979.3	1693.2	1278.4	998.7	889.2	857.3	871.2	882.9
1176.1	45°	1444.9	1847.6	2014.9	1629.1	1129.9	882.5	825.9	833.4	843.9	845.2
1226.8	47.5°	1556.5	1984.7	2038.4	1532.2	978.5	800.7	785.6	787.3	785.2	776.4
1302.7	50°	1695.8	2118.1	2059.4	1403.8	849.8	749.5	729.4	723.5	694.6	666.1
1403.8	52.5°	1854.3	2240.6	2068.2	1244.4	749.5	706.7	674.0	637.1	583.0	574.2
1530.9	55°	2030.5	2353.8	2045.6	1048.6	665.2	651.8	602.3	557.8	552.0	544.4
1698.3	57.5°	2241.0	2475.9	1999.4	830.1	578.8	587.6	539.4	544.4	533.9	522.2
1913.4	60°	2471.3	2602.1	1918.5	630.8	489.5	507.5	523.0	522.6	519.7	510.0
2140.3	62.5°	2678.5	2685.2	1759.1	483.2	411.0	445.4	487.8	487.4	484.9	479.4
2377.3	65°	2801.8	2672.6	1493.2	380.4	346.4	394.3	440.0	443.3	443.8	443.3
2555.6	67.5°	2780.0	2525.4	1128.3	302.8	293.2	342.3	392.6	397.2	400.6	401.4
2578.2	70°	2533.4	2202.0	735.7	241.6	245.8	296.5	347.7	352.3	355.3	358.6
2237.2	72.5°	1974.7	1619.0	421.1	195.5	204.3	257.1	303.2	308.7	310.4	316.7
1556.9	75°	1203.3	952.1	227.3	153.9	167.8	219.8	259.2	265.5	268.4	276.0
764.6	77.5°	572.1	412.3	129.6	120.0	135.1	179.5	218.9	226.1	218.1	222.3
211.0	80°	193.4	153.1	81.8	91.4	103.2	140.1	175.3	182.5	165.7	164.8
70.0	82.5°	67.5	62.1	52.0	60.8	66.7	100.2	132.5	141.8	123.3	122.9
31.5	85°	26.4	25.2	28.9	33.1	39.8	61.7	87.2	91.9	75.9	61.2
9.2	87.5°	5.5	5.9	7.1	7.5	12.2	21.4	31.5	38.6	30.6	26.0
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°
904.3
938.3
987.8
1044.8
1109.8
1184.0
1275.5
1374.9
1429.0
1400.9
1325.4
1248.6
1181.5
1117.4
1048.2
974.3
908.9
893.8
853.5
783.1
669.8
577.1
545.7
520.1
506.7
477.3
443.3
402.2
360.3
319.2
276.8
218.9
163.2
117.0
60.4
23.9
0.0

F REPORT)