

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: P846293

Luminaire Tested: **GLAN-SB1D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846293
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-SB1D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8355 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

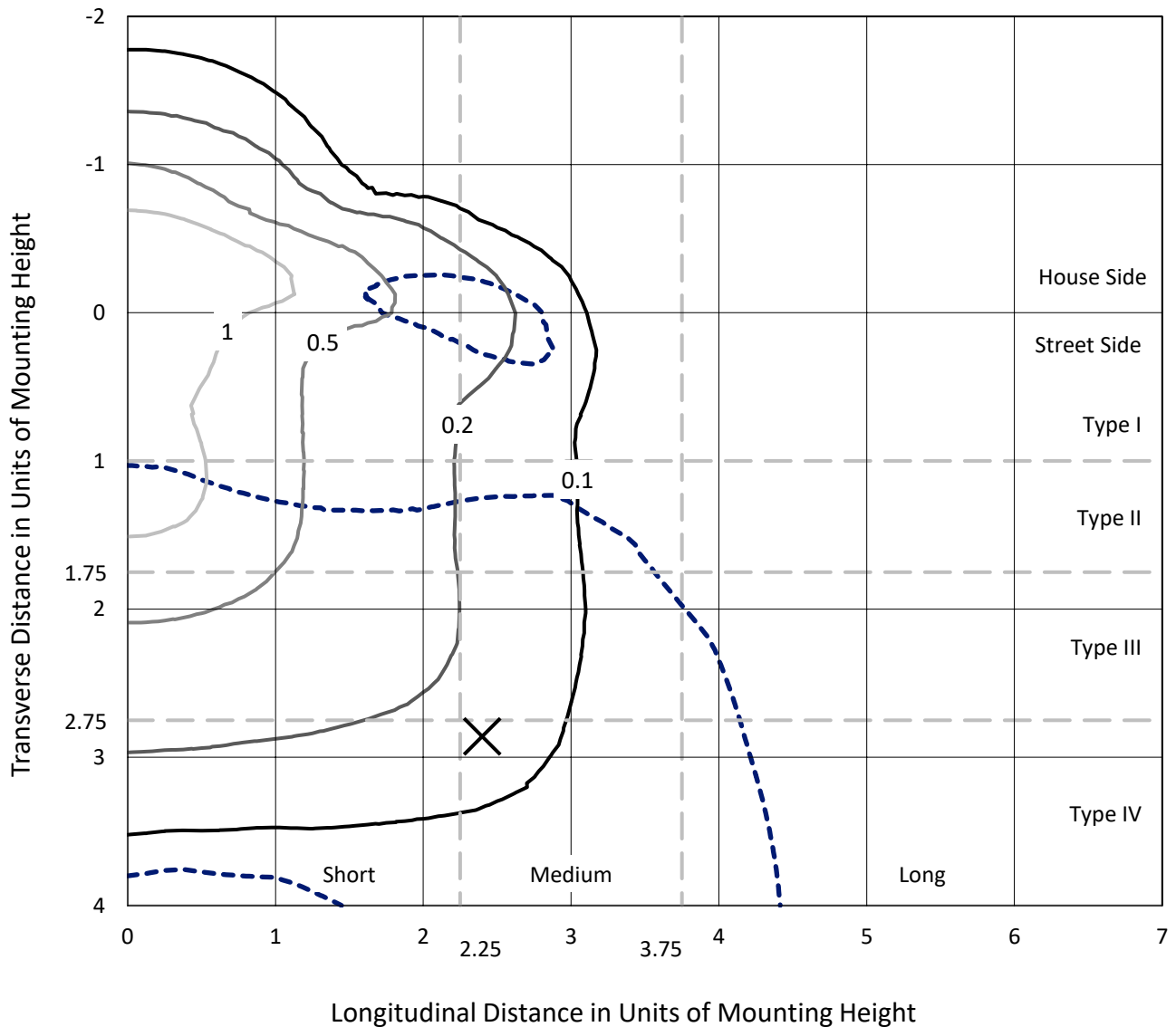
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846293
 CATALOG NUMBER: GLAN-SB1D-835-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

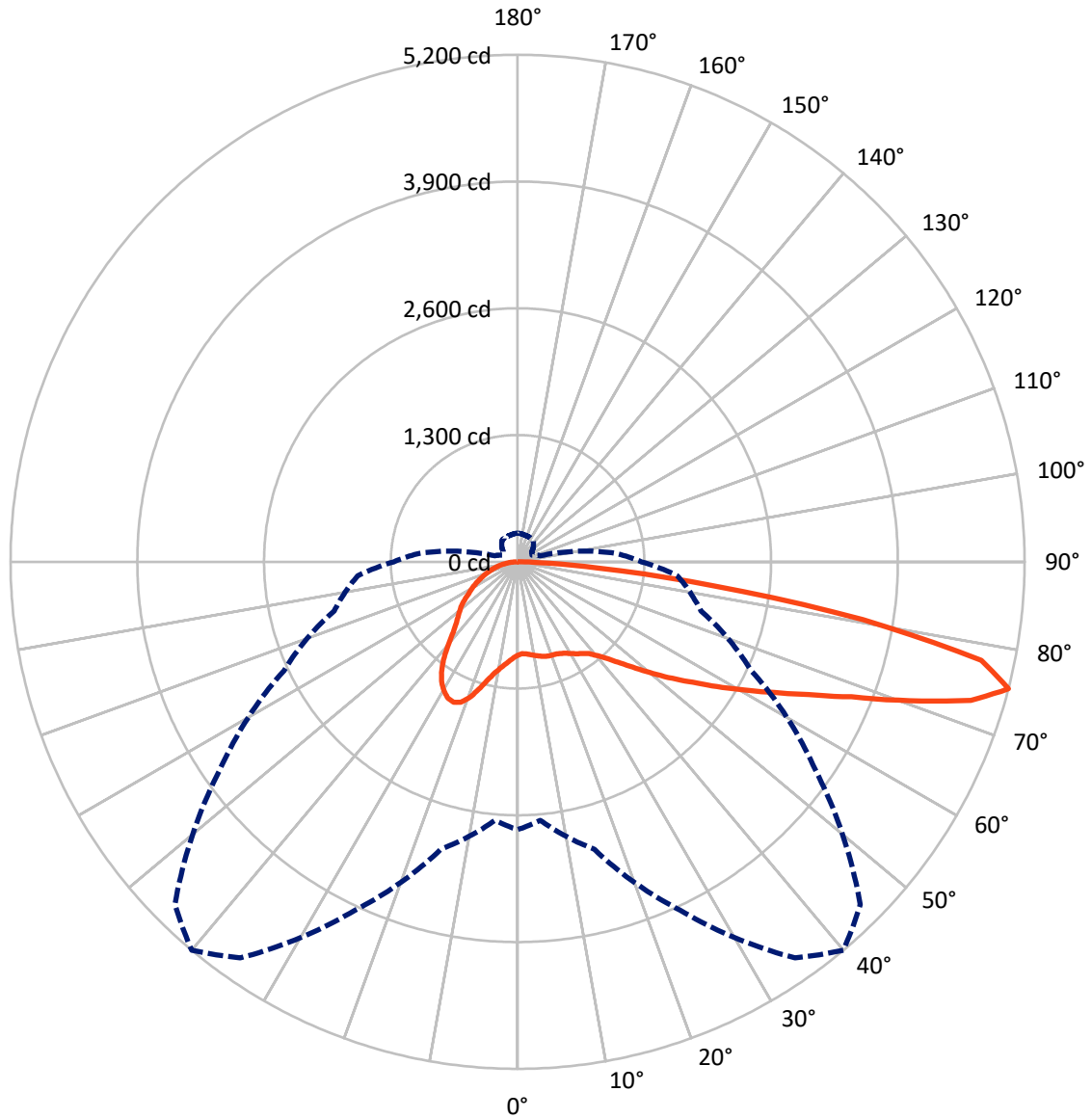
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P846293
CATALOG NUMBER: GLAN-SB1D-835-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846293
 CATALOG NUMBER: GLAN-SB1D-835-U-SL4

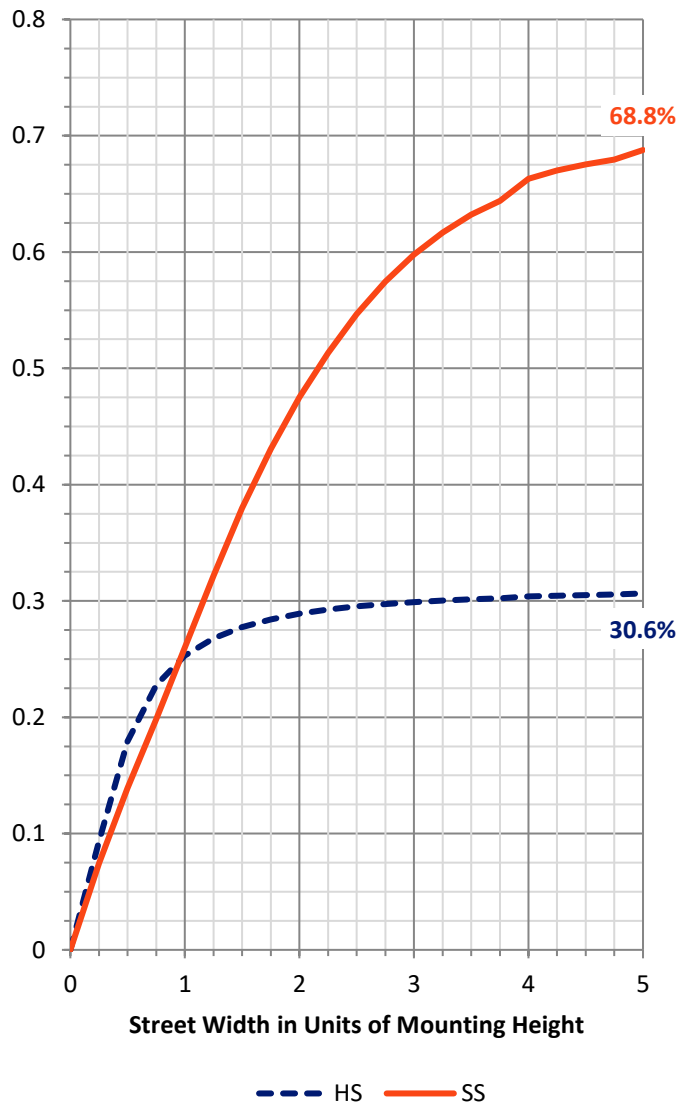
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2588.6	0.0	2588.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5766.3	0.0	5766.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	8355.0	0.0	8355.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.1
10°-20°	320.2	3.8
20°-30°	584.6	7.0
30°-40°	829.2	9.9
40°-50°	1119.7	13.4
50°-60°	1506.2	18.0
60°-70°	1911.8	22.9
70°-80°	1735.0	20.8
80°-90°	252.9	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°	8355.0	100.0
0°-180°	8355.0	100.0

Coefficient of Utilization

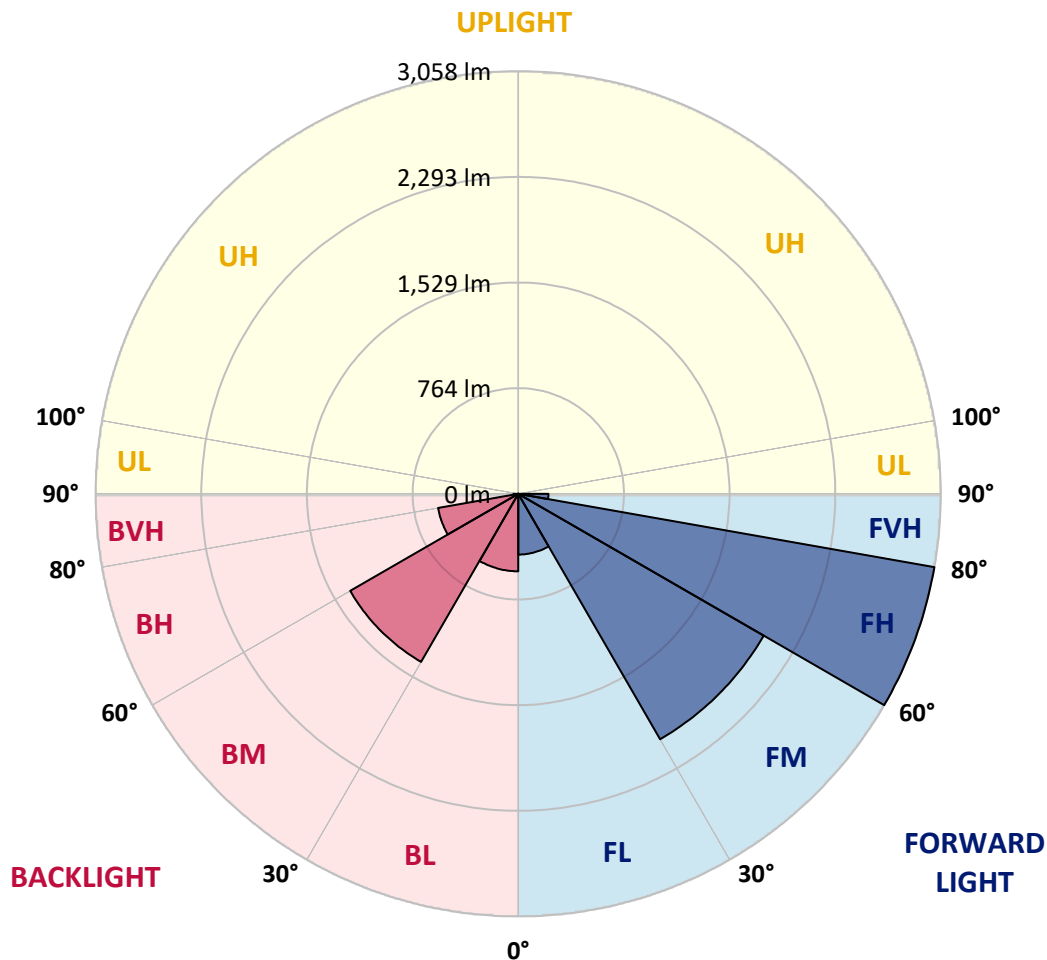


REPORT NUMBER: P846293
 CATALOG NUMBER: GLAN-SB1D-835-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.5	5.3			
FM (30°-60°)	2051.0	24.5			
FH (60°-80°)	3057.8	36.6			G2/5000
FVH (80°-90°)	218.1	2.6			G2/225
BL (0°-30°)	560.7	6.7	B2/1000		
BM (30°-60°)	1404.1	16.8	B2/2500		
BH (60°-80°)	589.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	34.8	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: P846293
 CATALOG NUMBER: GLAN-SB1D-835-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4
2.5°	940.8	946.1	944.8	943.0	943.0	943.0	943.0	946.1	949.2	952.3
5°	950.5	955.8	953.2	951.0	949.2	948.8	947.4	947.0	948.8	952.7
7.5°	969.6	974.9	970.9	966.9	963.4	961.6	959.8	957.2	955.8	958.1
10°	990.9	996.2	991.3	984.2	978.4	976.2	974.5	971.8	970.0	971.4
12.5°	1012.1	1017.4	1010.8	1001.0	993.5	992.2	990.0	989.1	988.6	988.2
15°	1032.1	1036.5	1028.1	1016.6	1008.6	1006.4	1004.2	1005.5	1007.7	1010.4
17.5°	1047.6	1052.0	1039.6	1024.5	1017.0	1016.1	1014.8	1019.2	1025.4	1032.1
20°	1061.8	1066.2	1050.2	1029.9	1021.0	1021.0	1021.4	1030.7	1039.6	1049.4
22.5°	1081.7	1085.2	1065.7	1037.8	1025.0	1025.9	1029.4	1038.7	1049.8	1063.1
25°	1111.4	1114.0	1090.1	1052.9	1038.3	1040.9	1044.0	1048.5	1059.1	1074.6
27.5°	1159.2	1161.5	1130.0	1079.5	1057.3	1061.8	1066.2	1063.1	1068.0	1081.3
30°	1226.6	1227.9	1188.1	1121.1	1089.7	1091.9	1092.8	1079.9	1070.6	1081.3
32.5°	1306.4	1305.9	1258.5	1171.7	1126.5	1124.2	1116.7	1091.4	1069.7	1079.0
35°	1430.0	1425.1	1364.0	1242.6	1168.1	1154.4	1136.6	1104.3	1074.2	1076.8
37.5°	1634.7	1619.7	1535.0	1358.7	1230.2	1195.1	1169.0	1125.1	1083.9	1075.9
40°	1865.6	1846.6	1753.5	1517.7	1323.2	1266.9	1224.8	1154.8	1099.9	1079.9
42.5°	2139.5	2112.4	2012.3	1705.2	1441.1	1359.5	1296.2	1192.5	1123.4	1092.8
45°	2475.8	2439.9	2298.1	1916.6	1589.5	1481.0	1396.3	1249.6	1159.2	1117.6
47.5°	2815.7	2824.6	2622.9	2158.5	1767.7	1630.7	1521.7	1335.6	1211.5	1157.5
50°	3176.9	3183.1	2946.0	2426.6	1969.7	1800.0	1662.7	1431.8	1284.2	1214.2
52.5°	3458.7	3459.6	3239.3	2707.1	2180.2	1986.1	1814.6	1541.7	1368.4	1289.5
55°	3635.1	3632.8	3445.0	2972.6	2422.2	2181.6	1983.0	1666.6	1471.2	1378.2
57.5°	3763.1	3756.5	3586.8	3200.8	2680.1	2412.4	2173.6	1808.4	1592.6	1483.6
60°	3811.9	3807.9	3682.9	3398.0	2951.3	2667.7	2393.4	1967.1	1730.5	1608.1
62.5°	3830.5	3838.0	3777.3	3589.0	3241.6	2950.4	2634.9	2156.8	1885.6	1749.1
65°	3896.1	3909.8	3897.4	3838.9	3569.5	3281.4	2955.3	2382.3	2054.8	1900.2
67.5°	4025.9	4039.6	4045.0	4138.0	3970.1	3694.0	3355.0	2663.3	2252.9	2057.0
70°	4022.8	4018.8	4112.8	4376.0	4471.7	4265.2	3893.9	3008.9	2489.1	2187.3
72.5°	3661.6	3629.7	3851.8	4373.3	4889.1	4861.7	4551.9	3454.7	2692.9	2203.3
75°	2747.0	2661.9	3054.1	3941.3	4958.7	5200.2	4970.2	3731.2	2644.6	1946.7
77.5°	1174.8	1089.2	1551.4	2917.6	4438.0	4861.2	4586.5	3255.3	2111.1	1287.3
80°	307.5	307.1	468.8	1322.8	3018.2	3589.9	3149.4	2102.2	1206.2	460.0
82.5°	127.2	124.1	172.4	514.5	1474.8	2014.5	1644.0	937.7	435.6	124.5
85°	47.4	47.0	83.8	177.7	520.2	830.9	601.3	239.7	108.6	60.7
87.5°	13.3	12.9	18.2	61.6	126.7	192.3	102.8	39.4	30.6	23.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846293
 CATALOG NUMBER: GLAN-SB1D-835-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
955.4	0°	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4
957.2	2.5°	958.5	960.7	964.7	967.8	971.8	976.2	982.4	986.4	990.4	993.1
959.4	5°	962.5	967.4	977.6	987.8	999.7	1010.8	1023.6	1033.0	1040.5	1042.7
967.4	7.5°	971.4	979.3	996.6	1013.9	1033.0	1051.1	1069.7	1085.7	1098.5	1103.4
981.6	10°	986.9	997.5	1021.9	1046.2	1071.5	1099.4	1123.4	1146.4	1164.6	1172.1
998.4	12.5°	1006.4	1019.7	1051.6	1085.2	1120.3	1158.8	1189.8	1218.2	1240.8	1251.0
1021.9	15°	1031.6	1048.9	1089.7	1134.9	1186.3	1239.9	1279.3	1310.8	1336.1	1348.5
1046.2	17.5°	1059.1	1082.1	1133.5	1201.8	1275.4	1345.8	1391.9	1414.9	1441.1	1453.0
1068.8	20°	1085.7	1114.0	1187.6	1286.9	1384.8	1459.7	1496.9	1503.1	1504.9	1506.2
1090.1	22.5°	1113.2	1151.3	1255.4	1394.1	1499.1	1551.0	1556.3	1529.7	1492.5	1475.2
1110.9	25°	1143.3	1193.8	1344.0	1512.4	1597.5	1603.7	1562.9	1498.2	1427.8	1395.4
1127.8	27.5°	1172.5	1243.0	1450.4	1625.4	1668.4	1613.9	1526.2	1434.4	1349.4	1315.2
1139.8	30°	1201.8	1299.3	1567.8	1724.2	1700.8	1588.6	1468.1	1365.8	1280.2	1244.3
1150.4	32.5°	1231.5	1364.9	1703.0	1795.6	1695.0	1535.0	1395.9	1288.6	1213.3	1175.6
1159.7	35°	1265.2	1445.5	1831.0	1834.6	1656.4	1456.2	1300.6	1196.5	1130.9	1100.8
1170.8	37.5°	1309.0	1547.9	1944.0	1844.3	1589.1	1340.5	1182.3	1087.5	1033.4	1019.7
1187.2	40°	1363.5	1671.1	2030.5	1828.8	1489.4	1200.0	1052.9	977.1	946.5	949.6
1209.3	42.5°	1434.4	1808.9	2091.2	1788.9	1350.7	1055.1	939.5	905.8	920.4	932.8
1242.6	45°	1526.6	1952.0	2128.8	1721.1	1193.8	932.4	872.5	880.5	891.6	892.9
1296.2	47.5°	1644.5	2096.9	2153.7	1618.8	1033.8	846.0	830.0	831.8	829.6	820.2
1376.4	50°	1791.6	2237.8	2175.8	1483.2	897.8	791.9	770.6	764.4	733.8	703.7
1483.2	52.5°	1959.1	2367.2	2185.1	1314.8	791.9	746.7	712.1	673.1	616.0	606.7
1617.5	55°	2145.2	2486.9	2161.2	1107.8	702.8	688.6	636.3	589.4	583.2	575.2
1794.3	57.5°	2367.7	2615.8	2112.4	877.0	611.5	620.8	569.9	575.2	564.1	551.7
2021.6	60°	2611.0	2749.2	2026.9	666.5	517.1	536.2	552.6	552.1	549.0	538.9
2261.3	62.5°	2829.9	2837.0	1858.5	510.5	434.3	470.6	515.4	514.9	512.3	506.5
2511.7	65°	2960.2	2823.7	1577.6	401.9	366.0	416.5	464.9	468.4	468.8	468.4
2700.0	67.5°	2937.1	2668.1	1192.0	319.9	309.8	361.6	414.8	419.7	423.2	424.1
2724.0	70°	2676.6	2326.5	777.3	255.2	259.7	313.3	367.4	372.2	375.3	378.9
2363.7	72.5°	2086.3	1710.5	444.9	206.5	215.8	271.6	320.4	326.1	327.9	334.6
1644.9	75°	1271.4	1005.9	240.2	162.6	177.3	232.2	273.9	280.5	283.6	291.6
807.8	77.5°	604.4	435.6	136.9	126.7	142.7	189.7	231.3	238.9	230.4	234.9
222.9	80°	204.3	161.7	86.4	96.6	109.0	148.0	185.2	192.8	175.0	174.2
74.0	82.5°	71.3	65.6	54.9	64.3	70.5	105.9	140.0	149.8	130.3	129.8
33.2	85°	27.9	26.6	30.6	35.0	42.1	65.1	92.2	97.0	80.2	64.7
9.7	87.5°	5.8	6.2	7.5	8.0	12.9	22.6	33.2	40.8	32.3	27.5
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°
955.4
991.3
1043.6
1103.9
1172.5
1251.0
1347.6
1452.6
1509.8
1480.1
1400.3
1319.2
1248.3
1180.5
1107.4
1029.4
960.3
944.3
901.8
827.3
707.7
609.8
576.5
549.5
535.3
504.3
468.4
425.0
380.7
337.2
292.5
231.3
172.4
123.6
63.8
25.3
0.0

F REPORT)