

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: P846643

Luminaire Tested: **GLAN-SB2B-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846643
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-SB2B-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9927 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

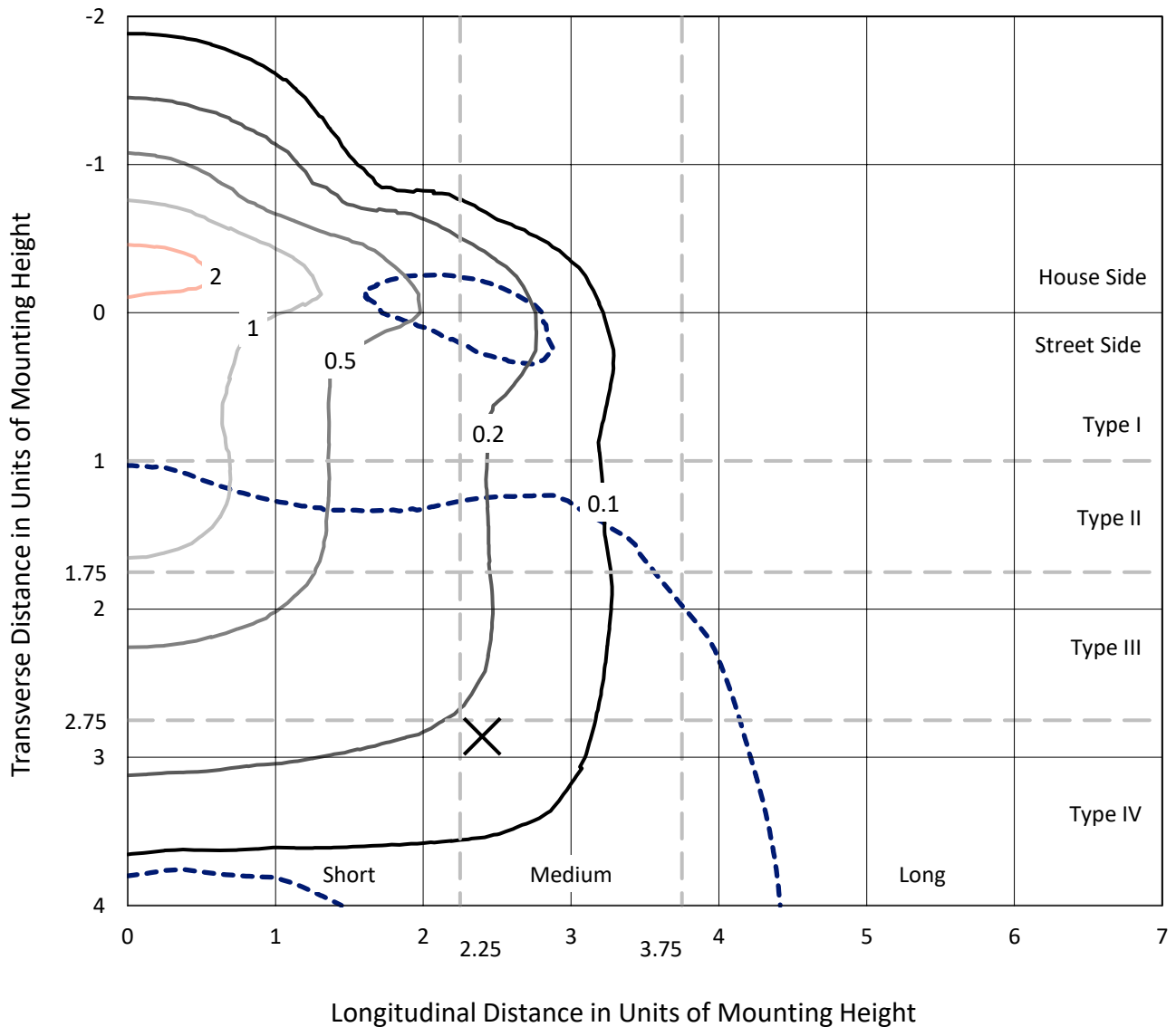
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846643
 CATALOG NUMBER: GLAN-SB2B-840-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

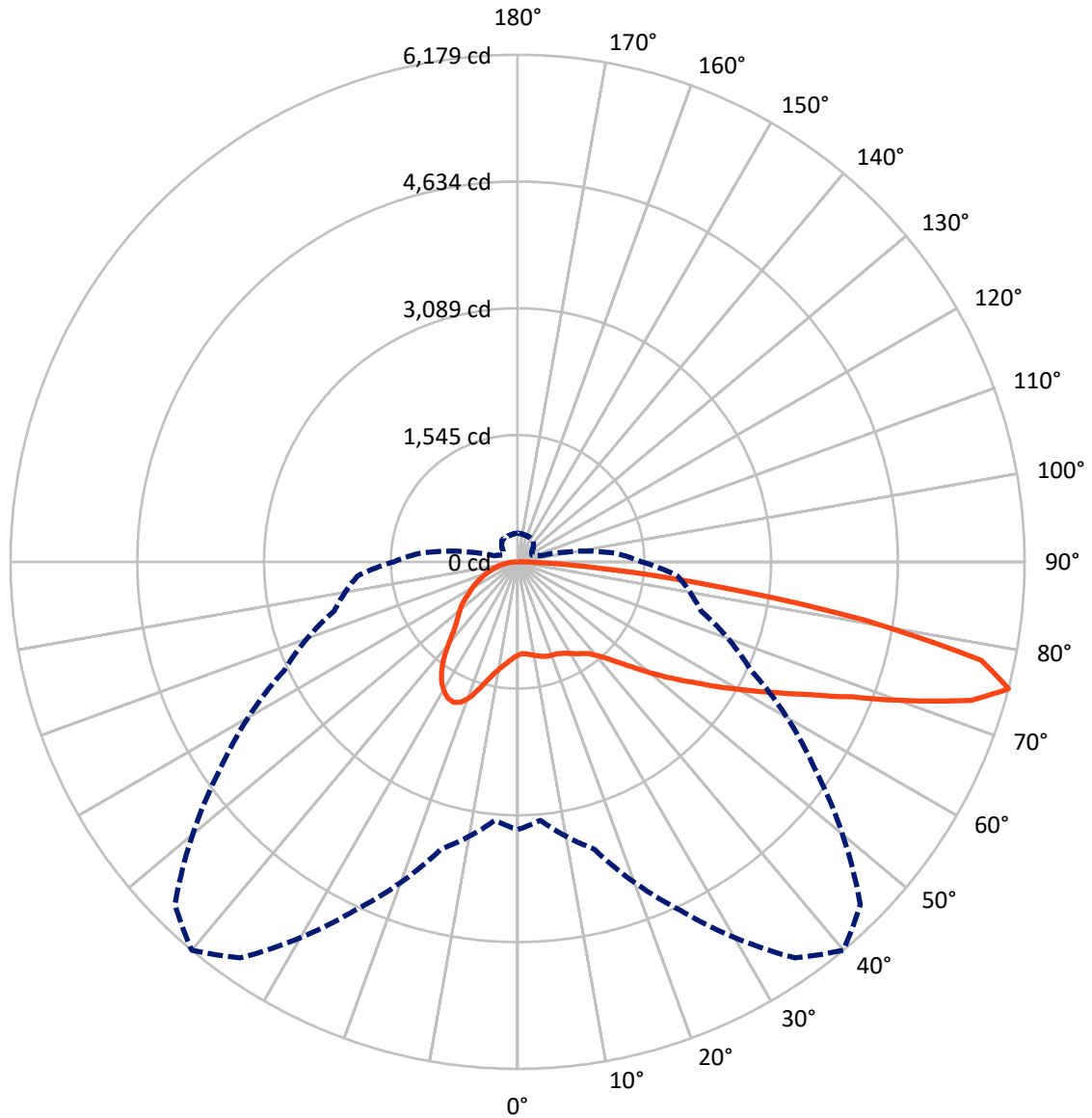
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P846643
CATALOG NUMBER: GLAN-SB2B-840-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846643
 CATALOG NUMBER: GLAN-SB2B-840-U-SL4

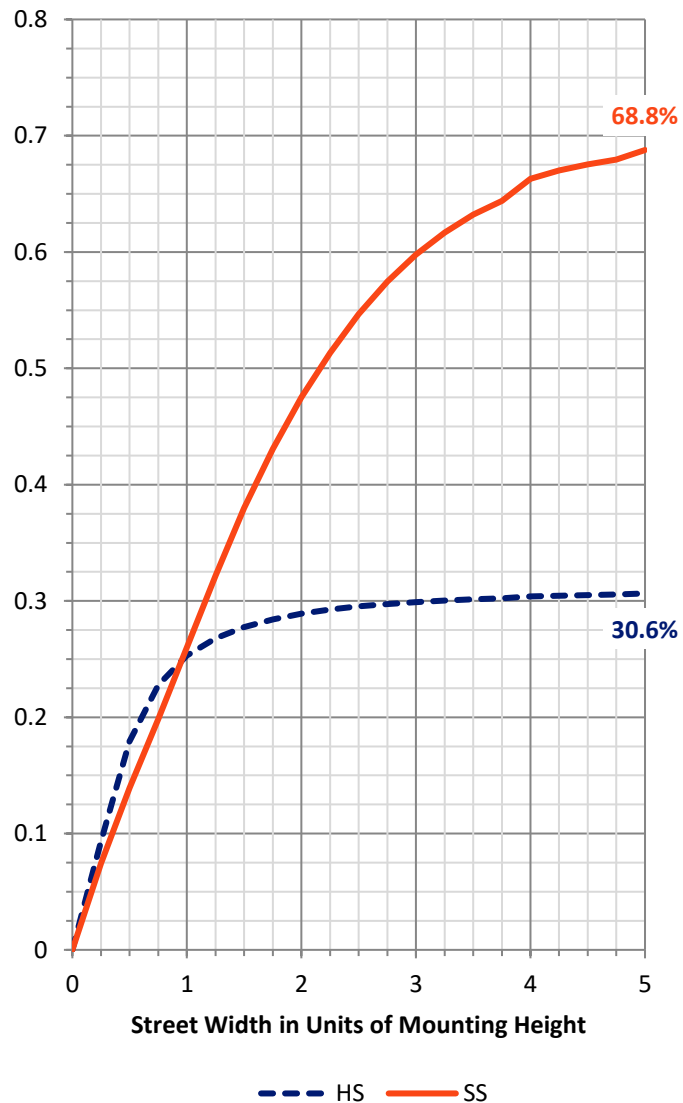
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3075.7	0.0	3075.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6851.3	0.0	6851.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	9927.0	0.0	9927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	1.1
10°-20°	380.4	3.8
20°-30°	694.6	7.0
30°-40°	985.2	9.9
40°-50°	1330.3	13.4
50°-60°	1789.6	18.0
60°-70°	2271.5	22.9
70°-80°	2061.5	20.8
80°-90°	300.5	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°	9927.0	100.0
0°-180°	9927.0	100.0

Coefficient of Utilization

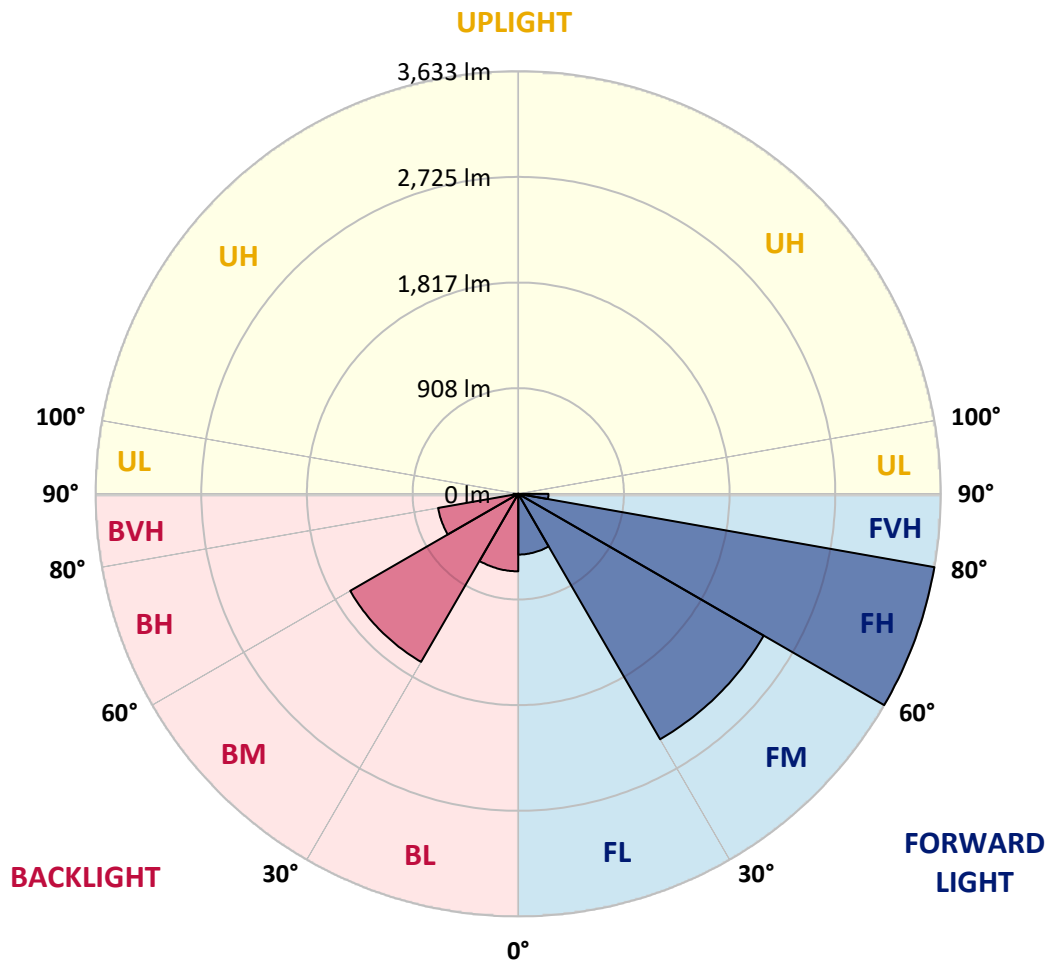


REPORT NUMBER: P846643
 CATALOG NUMBER: GLAN-SB2B-840-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.2	5.3			
FM (30°-60°)	2436.9	24.5			
FH (60°-80°)	3633.1	36.6			G2/5000
FVH (80°-90°)	259.1	2.6			G3/500
BL (0°-30°)	666.2	6.7	B2/1000		
BM (30°-60°)	1668.3	16.8	B2/2500		
BH (60°-80°)	699.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	41.4	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: P846643
 CATALOG NUMBER: GLAN-SB2B-840-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2
2.5°	1117.8	1124.1	1122.5	1120.4	1120.4	1120.9	1120.4	1124.1	1127.8	1131.5
5°	1129.4	1135.7	1132.5	1129.9	1127.8	1127.3	1125.7	1125.2	1127.3	1132.0
7.5°	1152.0	1158.3	1153.6	1148.9	1144.6	1142.5	1140.4	1137.3	1135.7	1138.3
10°	1177.3	1183.6	1177.8	1169.4	1162.5	1159.9	1157.8	1154.6	1152.5	1154.1
12.5°	1202.6	1208.9	1201.0	1189.4	1180.4	1178.9	1176.2	1175.2	1174.7	1174.1
15°	1226.3	1231.5	1221.5	1207.8	1198.3	1195.7	1193.1	1194.7	1197.3	1200.5
17.5°	1244.7	1249.9	1235.2	1217.3	1208.4	1207.3	1205.7	1211.0	1218.4	1226.3
20°	1261.5	1266.8	1247.8	1223.6	1213.1	1213.1	1213.6	1224.7	1235.2	1246.8
22.5°	1285.2	1289.4	1266.3	1233.1	1217.8	1218.9	1223.1	1234.2	1247.3	1263.1
25°	1320.5	1323.7	1295.2	1251.0	1233.6	1236.8	1240.5	1245.7	1258.4	1276.8
27.5°	1377.4	1380.0	1342.6	1282.6	1256.3	1261.5	1266.8	1263.1	1268.9	1284.7
30°	1457.4	1459.0	1411.6	1332.1	1294.7	1297.3	1298.4	1283.1	1272.1	1284.7
32.5°	1552.2	1551.6	1495.3	1392.1	1338.4	1335.8	1326.8	1296.8	1271.0	1282.1
35°	1699.1	1693.3	1620.6	1476.3	1387.9	1371.6	1350.5	1312.1	1276.3	1279.4
37.5°	1942.3	1924.4	1823.8	1614.3	1461.6	1420.0	1388.9	1336.8	1287.9	1278.4
40°	2216.6	2194.0	2083.4	1803.3	1572.2	1505.3	1455.3	1372.1	1306.8	1283.1
42.5°	2542.0	2509.9	2390.9	2026.0	1712.2	1615.3	1540.1	1416.9	1334.7	1298.4
45°	2941.6	2899.0	2730.5	2277.2	1888.6	1759.6	1659.0	1484.8	1377.4	1327.9
47.5°	3345.5	3356.0	3116.4	2564.7	2100.3	1937.6	1808.1	1586.9	1439.5	1375.3
50°	3774.6	3782.0	3500.3	2883.2	2340.4	2138.7	1975.5	1701.2	1525.8	1442.7
52.5°	4109.4	4110.5	3848.8	3216.5	2590.5	2359.8	2156.1	1831.7	1625.9	1532.2
55°	4319.0	4316.4	4093.1	3531.9	2877.9	2592.0	2356.2	1980.2	1748.0	1637.5
57.5°	4471.2	4463.3	4261.6	3803.0	3184.4	2866.3	2582.6	2148.7	1892.3	1762.8
60°	4529.1	4524.3	4375.9	4037.3	3506.6	3169.6	2843.7	2337.2	2056.0	1910.7
62.5°	4551.2	4560.1	4488.0	4264.2	3851.5	3505.5	3130.7	2562.5	2240.3	2078.2
65°	4629.1	4645.4	4630.7	4561.2	4241.1	3898.8	3511.3	2830.5	2441.4	2257.7
67.5°	4783.4	4799.7	4806.0	4916.6	4717.0	4389.0	3986.2	3164.4	2676.8	2444.1
70°	4779.7	4775.0	4886.6	5199.3	5313.1	5067.7	4626.5	3575.0	2957.4	2598.9
72.5°	4350.6	4312.7	4576.5	5196.2	5809.0	5776.4	5408.4	4104.7	3199.6	2617.8
75°	3263.9	3162.8	3628.7	4682.8	5891.7	6178.6	5905.4	4433.3	3142.2	2313.0
77.5°	1395.8	1294.2	1843.3	3466.6	5273.0	5775.9	5449.4	3867.8	2508.3	1529.5
80°	365.4	364.9	557.1	1571.6	3586.1	4265.3	3741.9	2497.8	1433.2	546.5
82.5°	151.1	147.4	204.8	611.3	1752.2	2393.5	1953.4	1114.1	517.6	148.0
85°	56.3	55.8	99.5	211.1	618.1	987.2	714.5	284.8	129.0	72.1
87.5°	15.8	15.3	21.6	73.2	150.6	228.5	122.2	46.9	36.3	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846643
 CATALOG NUMBER: GLAN-SB2B-840-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1135.2	0°	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2
1137.3	2.5°	1138.9	1141.5	1146.2	1149.9	1154.6	1159.9	1167.3	1172.0	1176.8	1179.9
1139.9	5°	1143.6	1149.4	1161.5	1173.6	1187.8	1201.0	1216.2	1227.3	1236.3	1238.9
1149.4	7.5°	1154.1	1163.6	1184.1	1204.7	1227.3	1248.9	1271.0	1290.0	1305.2	1311.0
1166.2	10°	1172.5	1185.2	1214.1	1243.1	1273.1	1306.3	1334.7	1362.1	1383.7	1392.6
1186.2	12.5°	1195.7	1211.5	1249.4	1289.4	1331.0	1376.8	1413.7	1447.4	1474.2	1486.4
1214.1	15°	1225.7	1246.3	1294.7	1348.4	1409.5	1473.2	1520.0	1557.4	1587.4	1602.2
1243.1	17.5°	1258.4	1285.7	1346.8	1427.9	1515.3	1599.0	1653.8	1681.2	1712.2	1726.4
1270.0	20°	1290.0	1323.7	1411.1	1529.0	1645.4	1734.3	1778.6	1785.9	1788.0	1789.6
1295.2	22.5°	1322.6	1367.9	1491.6	1656.4	1781.2	1842.8	1849.1	1817.5	1773.3	1752.8
1320.0	25°	1358.4	1418.4	1596.9	1797.0	1898.1	1905.5	1857.0	1780.1	1696.4	1658.0
1340.0	27.5°	1393.2	1476.9	1723.3	1931.3	1982.3	1917.6	1813.3	1704.3	1603.2	1562.7
1354.2	30°	1427.9	1543.7	1862.8	2048.7	2020.8	1887.6	1744.3	1622.7	1521.1	1478.5
1366.8	32.5°	1463.2	1621.7	2023.4	2133.4	2013.9	1823.8	1658.5	1531.1	1441.6	1396.8
1377.9	35°	1503.2	1717.5	2175.6	2179.8	1968.1	1730.1	1545.3	1421.6	1343.7	1307.9
1391.1	37.5°	1555.3	1839.1	2309.8	2191.4	1888.1	1592.7	1404.7	1292.1	1227.8	1211.5
1410.5	40°	1620.1	1985.5	2412.5	2172.9	1769.6	1425.8	1251.0	1161.0	1124.6	1128.3
1436.9	42.5°	1704.3	2149.2	2484.6	2125.5	1604.8	1253.6	1116.2	1076.2	1093.6	1108.3
1476.3	45°	1813.8	2319.3	2529.4	2045.0	1418.4	1107.8	1036.7	1046.2	1059.3	1060.9
1540.1	47.5°	1953.9	2491.5	2558.9	1923.4	1228.4	1005.1	986.2	988.3	985.6	974.6
1635.4	50°	2128.7	2658.9	2585.2	1762.2	1066.7	940.9	915.6	908.2	871.9	836.1
1762.2	52.5°	2327.7	2812.6	2596.2	1562.2	940.9	887.2	846.1	799.8	731.9	720.8
1921.8	55°	2548.9	2954.8	2567.8	1316.3	835.1	818.2	756.1	700.3	692.9	683.4
2131.9	57.5°	2813.2	3108.0	2509.9	1042.0	726.6	737.6	677.1	683.4	670.3	655.5
2402.0	60°	3102.2	3266.5	2408.3	791.9	614.4	637.1	656.6	656.0	652.4	640.2
2686.8	62.5°	3362.3	3370.7	2208.2	606.5	516.0	559.2	612.3	611.8	608.7	601.8
2984.3	65°	3517.1	3355.0	1874.4	477.5	434.9	494.9	552.3	556.5	557.1	556.5
3208.1	67.5°	3489.7	3170.1	1416.3	380.1	368.0	429.6	492.8	498.6	502.8	503.9
3236.5	70°	3180.1	2764.2	923.5	303.3	308.5	372.2	436.5	442.3	446.0	450.2
2808.4	72.5°	2478.8	2032.3	528.6	245.4	256.4	322.8	380.7	387.5	389.6	397.5
1954.4	75°	1510.6	1195.2	285.4	193.2	210.6	275.9	325.4	333.3	337.0	346.4
959.8	77.5°	718.2	517.6	162.7	150.6	169.5	225.3	274.8	283.8	273.8	279.1
264.8	80°	242.7	192.2	102.7	114.8	129.5	175.9	220.1	229.0	208.0	206.9
87.9	82.5°	84.8	77.9	65.3	76.3	83.7	125.8	166.4	178.0	154.8	154.3
39.5	85°	33.2	31.6	36.3	41.6	50.0	77.4	109.5	115.3	95.3	76.9
11.6	87.5°	6.8	7.4	9.0	9.5	15.3	26.9	39.5	48.4	38.4	32.6
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°
1135.2
1177.8
1239.9
1311.5
1393.2
1486.4
1601.1
1725.9
1793.8
1758.6
1663.8
1567.4
1483.2
1402.6
1315.8
1223.1
1141.0
1122.0
1071.5
983.0
840.8
724.5
685.0
652.9
636.0
599.2
556.5
504.9
452.3
400.7
347.5
274.8
204.8
146.9
75.8
30.0
0.0

F REPORT)