

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: P847163

Luminaire Tested: **GLAN-SB3A-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847163  
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-SB3A-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 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: 11455 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

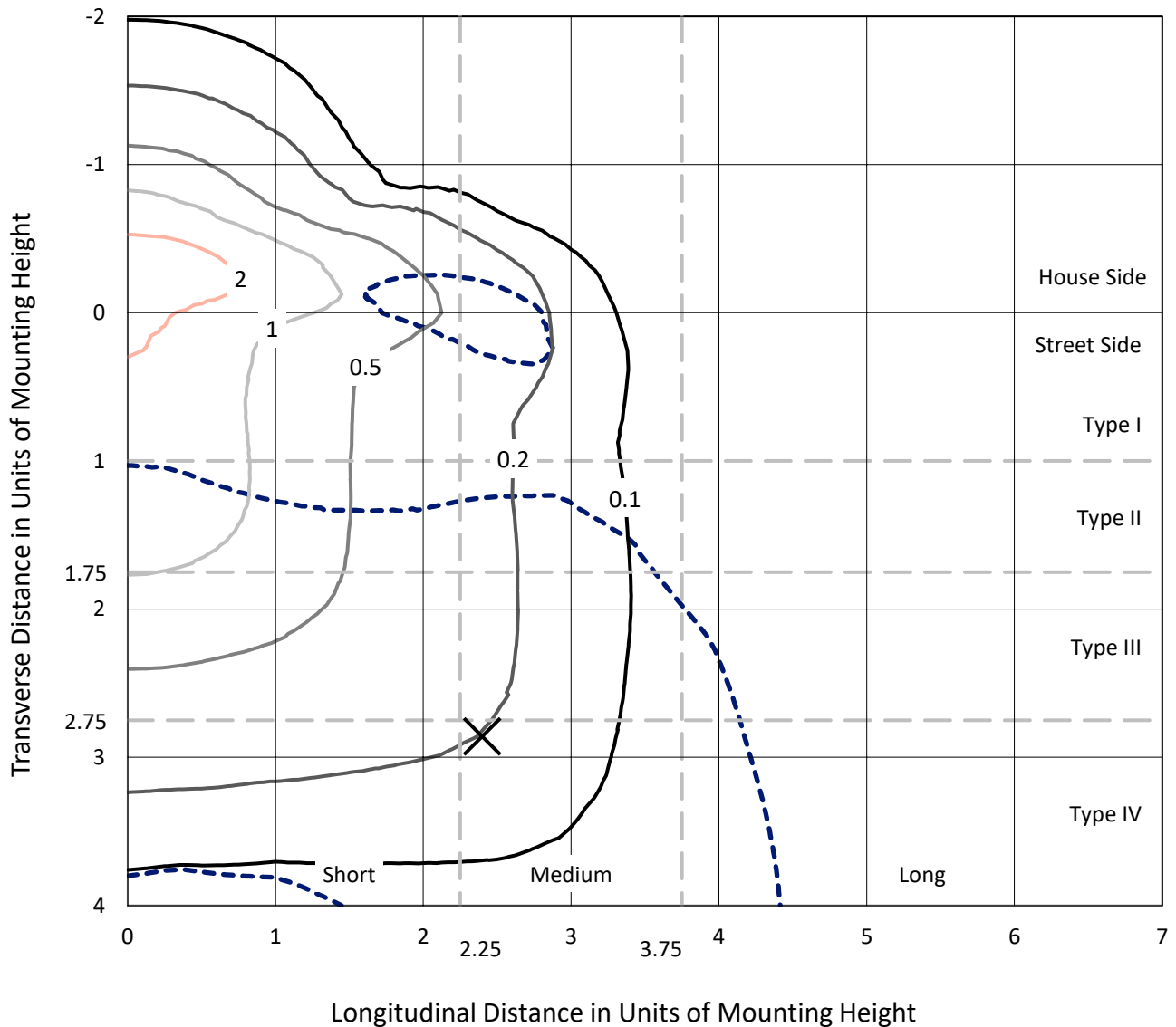
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847163  
 CATALOG NUMBER: GLAN-SB3A-850-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

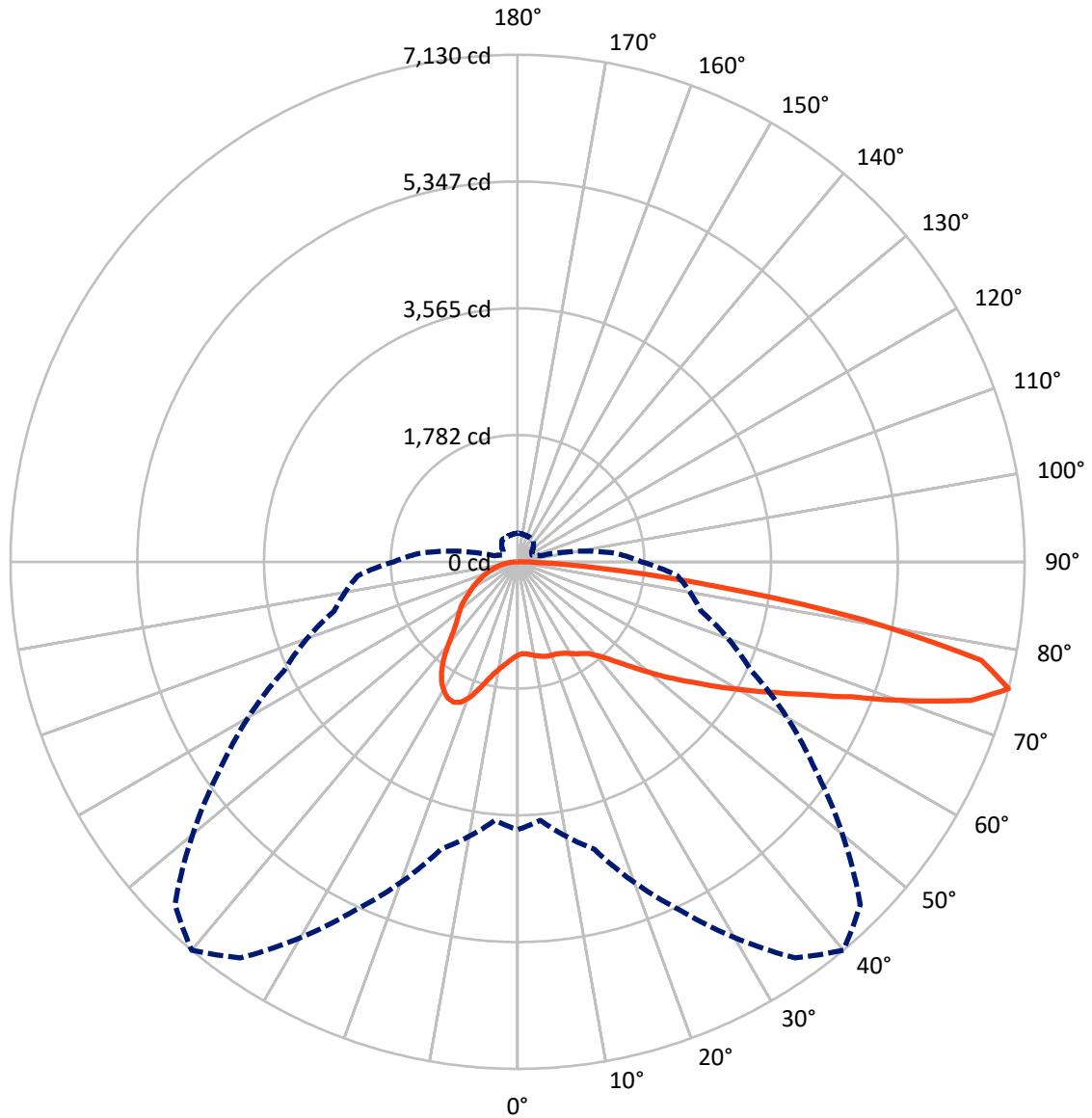
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P847163  
CATALOG NUMBER: GLAN-SB3A-850-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P847163  
 CATALOG NUMBER: GLAN-SB3A-850-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3549.1	0.0	3549.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	7905.9	0.0	7905.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	11455.0	0.0	11455.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.8	1.1
10°-20°	439.0	3.8
20°-30°	801.6	7.0
30°-40°	1136.8	9.9
40°-50°	1535.1	13.4
50°-60°	2065.1	18.0
60°-70°	2621.1	22.9
70°-80°	2378.8	20.8
80°-90°	346.8	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°	11455.0	100.0
0°-180°	11455.0	100.0

**Coefficient of Utilization**

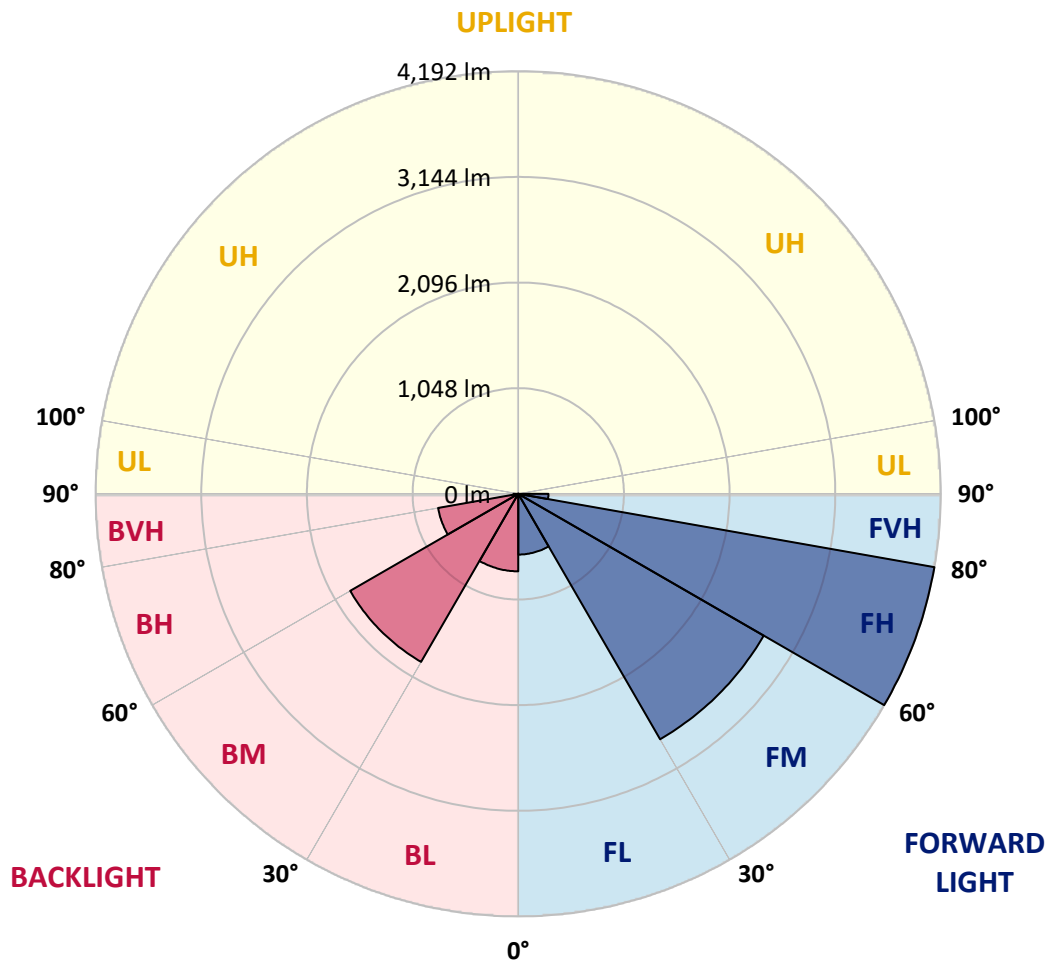


REPORT NUMBER: P847163  
 CATALOG NUMBER: GLAN-SB3A-850-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.5	5.3			
FM (30°-60°)	2811.9	24.5			
FH (60°-80°)	4192.4	36.6			G2/5000
FVH (80°-90°)	299.0	2.6			G3/500
BL (0°-30°)	768.8	6.7	B2/1000		
BM (30°-60°)	1925.1	16.8	B2/2500		
BH (60°-80°)	807.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	47.7	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: P847163  
 CATALOG NUMBER: GLAN-SB3A-850-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9
2.5°	1289.8	1297.1	1295.3	1292.9	1292.9	1293.5	1292.9	1297.1	1301.4	1305.6
5°	1303.2	1310.5	1306.9	1303.8	1301.4	1300.8	1299.0	1298.4	1300.8	1306.2
7.5°	1329.3	1336.6	1331.2	1325.7	1320.8	1318.4	1316.0	1312.3	1310.5	1313.5
10°	1358.5	1365.8	1359.1	1349.4	1341.5	1338.4	1336.0	1332.4	1329.9	1331.8
12.5°	1387.7	1395.0	1385.8	1372.5	1362.1	1360.3	1357.3	1356.1	1355.5	1354.9
15°	1415.0	1421.1	1409.5	1393.7	1382.8	1379.8	1376.7	1378.5	1381.6	1385.2
17.5°	1436.3	1442.3	1425.3	1404.7	1394.3	1393.1	1391.3	1397.4	1405.9	1415.0
20°	1455.7	1461.8	1439.9	1412.0	1399.8	1399.8	1400.4	1413.2	1425.3	1438.7
22.5°	1483.0	1487.9	1461.2	1422.9	1405.3	1406.5	1411.4	1424.1	1439.3	1457.5
25°	1523.8	1527.4	1494.6	1443.6	1423.5	1427.2	1431.4	1437.5	1452.1	1473.3
27.5°	1589.4	1592.4	1549.3	1480.0	1449.6	1455.7	1461.8	1457.5	1464.2	1482.4
30°	1681.7	1683.5	1628.9	1537.1	1494.0	1497.0	1498.2	1480.6	1467.9	1482.4
32.5°	1791.1	1790.5	1725.5	1606.4	1544.4	1541.4	1531.0	1496.4	1466.6	1479.4
35°	1960.6	1953.9	1870.1	1703.6	1601.5	1582.7	1558.4	1514.0	1472.7	1476.4
37.5°	2241.3	2220.6	2104.6	1862.8	1686.6	1638.6	1602.7	1542.6	1486.1	1475.2
40°	2557.8	2531.7	2404.1	2080.9	1814.2	1737.0	1679.3	1583.3	1508.0	1480.6
42.5°	2933.3	2896.2	2758.9	2337.9	1975.8	1864.0	1777.1	1634.9	1540.2	1498.2
45°	3394.4	3345.2	3150.8	2627.7	2179.3	2030.5	1914.4	1713.3	1589.4	1532.3
47.5°	3860.4	3872.6	3596.1	2959.4	2423.5	2235.8	2086.4	1831.2	1661.1	1586.9
50°	4355.6	4364.1	4039.0	3327.0	2700.6	2467.9	2279.6	1963.0	1760.7	1664.7
52.5°	4742.0	4743.2	4441.2	3711.6	2989.2	2723.1	2487.9	2113.7	1876.1	1768.0
55°	4983.8	4980.8	4723.2	4075.5	3320.9	2991.0	2718.8	2285.0	2017.1	1889.5
57.5°	5159.4	5150.3	4917.6	4388.4	3674.5	3307.5	2980.1	2479.4	2183.6	2034.1
60°	5226.2	5220.7	5049.4	4658.8	4046.3	3657.5	3281.4	2696.9	2372.5	2204.8
62.5°	5251.7	5262.1	5178.8	4920.6	4444.3	4045.1	3612.5	2957.0	2585.2	2398.0
65°	5341.6	5360.5	5343.5	5263.3	4893.9	4499.0	4051.8	3266.2	2817.2	2605.2
67.5°	5519.7	5538.5	5545.8	5673.4	5443.1	5064.6	4599.8	3651.4	3088.8	2820.3
70°	5515.4	5509.9	5638.7	5999.6	6130.9	5847.7	5338.6	4125.3	3412.7	2998.9
72.5°	5020.2	4976.5	5280.9	5996.0	6703.2	6665.5	6240.8	4736.5	3692.1	3020.8
75°	3766.3	3649.6	4187.3	5403.6	6798.6	7129.7	6814.4	5115.6	3625.9	2669.0
77.5°	1610.6	1493.4	2127.1	4000.2	6084.7	6664.9	6288.2	4463.1	2894.4	1765.0
80°	421.6	421.0	642.8	1813.6	4138.1	4921.8	4317.9	2882.3	1653.8	630.6
82.5°	174.4	170.1	236.3	705.4	2022.0	2762.0	2254.0	1285.6	597.2	170.7
85°	65.0	64.4	114.8	243.6	713.3	1139.2	824.5	328.7	148.9	83.2
87.5°	18.2	17.6	24.9	84.5	173.8	263.7	141.0	54.1	41.9	32.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847163  
 CATALOG NUMBER: GLAN-SB3A-850-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1309.9	0°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9
1312.3	2.5°	1314.1	1317.2	1322.7	1326.9	1332.4	1338.4	1347.0	1352.4	1357.9	1361.5
1315.4	5°	1319.6	1326.3	1340.3	1354.2	1370.7	1385.8	1403.5	1416.2	1426.5	1429.6
1326.3	7.5°	1331.8	1342.7	1366.4	1390.1	1416.2	1441.1	1466.6	1488.5	1506.1	1512.8
1345.7	10°	1353.0	1367.6	1401.0	1434.4	1469.1	1507.4	1540.2	1571.8	1596.7	1607.0
1368.8	12.5°	1379.8	1398.0	1441.7	1487.9	1535.9	1588.8	1631.3	1670.2	1701.2	1715.1
1401.0	15°	1414.4	1438.1	1494.0	1556.0	1626.4	1699.9	1754.0	1797.2	1831.8	1848.8
1434.4	17.5°	1452.1	1483.7	1554.1	1647.7	1748.6	1845.2	1908.3	1939.9	1975.8	1992.2
1465.4	20°	1488.5	1527.4	1628.3	1764.3	1898.6	2001.3	2052.3	2060.8	2063.3	2065.1
1494.6	22.5°	1526.2	1578.4	1721.2	1911.4	2055.4	2126.5	2133.7	2097.3	2046.3	2022.6
1523.1	25°	1567.5	1636.8	1842.7	2073.6	2190.2	2198.8	2142.9	2054.2	1957.6	1913.2
1546.2	27.5°	1607.6	1704.2	1988.5	2228.5	2287.5	2212.7	2092.4	1966.7	1850.0	1803.2
1562.6	30°	1647.7	1781.4	2149.5	2364.0	2331.8	2178.1	2012.8	1872.5	1755.2	1706.0
1577.2	32.5°	1688.4	1871.3	2334.8	2461.8	2323.9	2104.6	1913.8	1766.8	1663.5	1611.9
1590.0	35°	1734.6	1981.9	2510.4	2515.3	2271.1	1996.4	1783.2	1640.4	1550.5	1509.2
1605.2	37.5°	1794.7	2122.2	2665.4	2528.7	2178.7	1837.9	1621.0	1490.9	1416.8	1398.0
1627.6	40°	1869.5	2291.1	2783.8	2507.4	2042.0	1645.3	1443.6	1339.7	1297.7	1302.0
1658.0	42.5°	1966.7	2480.1	2867.1	2452.7	1851.8	1446.6	1288.0	1241.8	1261.9	1278.9
1703.6	45°	2093.0	2676.3	2918.7	2359.8	1636.8	1278.3	1196.3	1207.2	1222.4	1224.2
1777.1	47.5°	2254.6	2875.0	2952.7	2219.4	1417.4	1159.8	1138.0	1140.4	1137.3	1124.6
1887.1	50°	2456.4	3068.2	2983.1	2033.5	1230.9	1085.7	1056.5	1048.0	1006.1	964.8
2033.5	52.5°	2686.0	3245.6	2995.9	1802.6	1085.7	1023.7	976.3	922.9	844.5	831.7
2217.6	55°	2941.2	3409.6	2963.1	1518.9	963.6	944.1	872.5	808.1	799.5	788.6
2460.0	57.5°	3246.2	3586.4	2896.2	1202.4	838.4	851.2	781.3	788.6	773.4	756.4
2771.7	60°	3579.7	3769.3	2779.0	913.8	709.0	735.1	757.6	757.0	752.8	738.8
3100.4	62.5°	3879.9	3889.6	2548.1	699.9	595.4	645.2	706.6	706.0	702.3	694.4
3443.6	65°	4058.5	3871.4	2162.9	551.1	501.8	571.1	637.3	642.2	642.8	642.2
3701.8	67.5°	4026.9	3658.1	1634.3	438.7	424.7	495.8	568.7	575.4	580.2	581.4
3734.7	70°	3669.6	3189.7	1065.7	350.0	356.0	429.5	503.7	510.3	514.6	519.5
3240.7	72.5°	2860.4	2345.2	610.0	283.1	295.9	372.4	439.3	447.2	449.6	458.7
2255.3	75°	1743.1	1379.2	329.3	223.0	243.0	318.4	375.5	384.6	388.8	399.8
1107.6	77.5°	828.7	597.2	187.7	173.8	195.6	260.0	317.1	327.5	315.9	322.0
305.6	80°	280.1	221.8	118.5	132.4	149.5	202.9	254.0	264.3	240.0	238.8
101.5	82.5°	97.8	89.9	75.3	88.1	96.6	145.2	192.0	205.4	178.6	178.0
45.6	85°	38.3	36.5	41.9	48.0	57.7	89.3	126.4	133.1	110.0	88.7
13.4	87.5°	7.9	8.5	10.3	10.9	17.6	31.0	45.6	55.9	44.4	37.7
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°
1309.9
1359.1
1430.8
1513.4
1607.6
1715.1
1847.6
1991.6
2069.9
2029.2
1919.9
1808.7
1711.5
1618.5
1518.3
1411.4
1316.6
1294.7
1236.4
1134.3
970.3
836.0
790.4
753.4
733.9
691.4
642.2
582.6
521.9
462.4
401.0
317.1
236.3
169.5
87.5
34.6
0.0

F REPORT)