

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: P852267

Luminaire Tested: **GLAN-SB2C-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11802 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

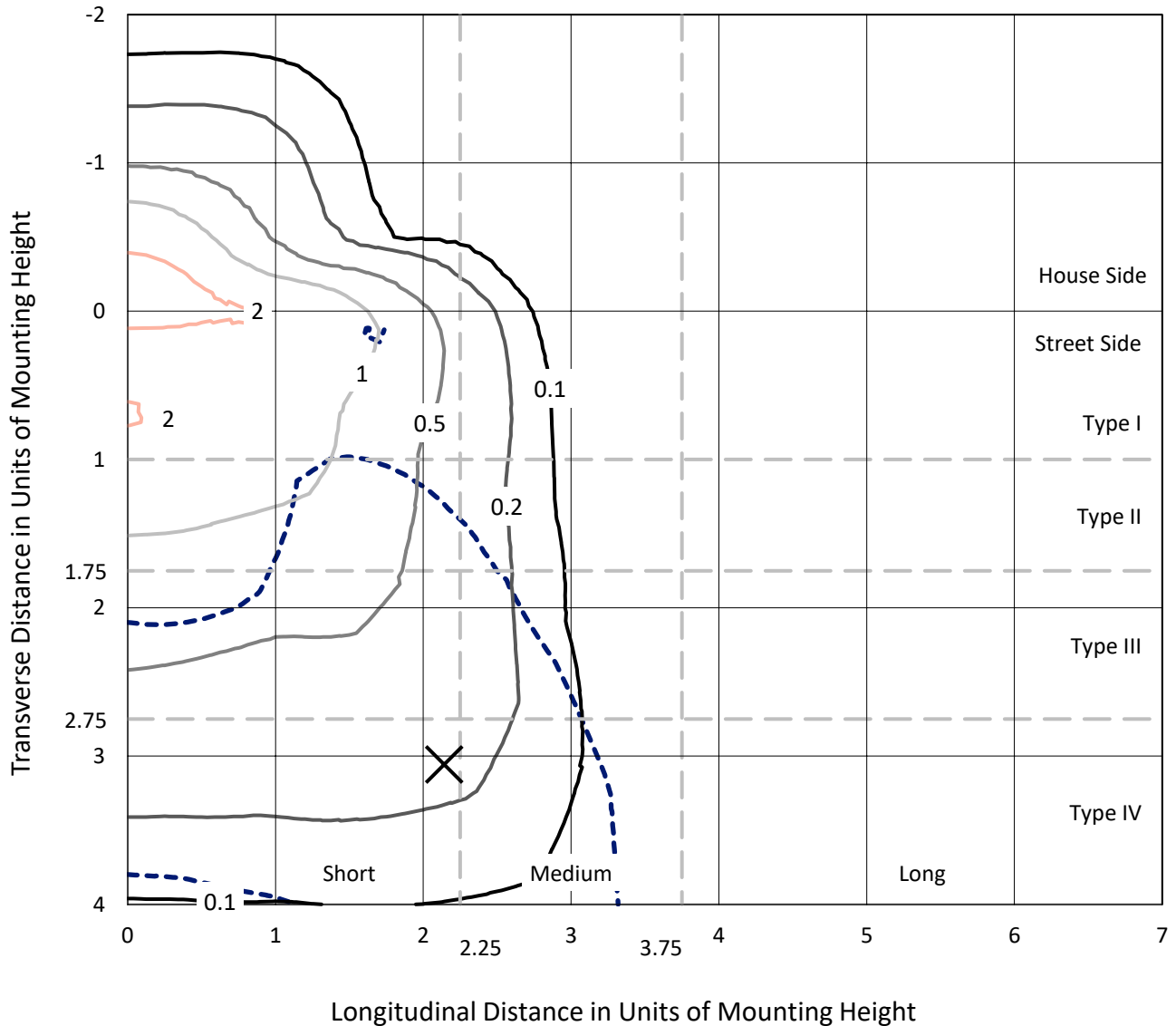
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852267
 CATALOG NUMBER: GLAN-SB2C-827-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

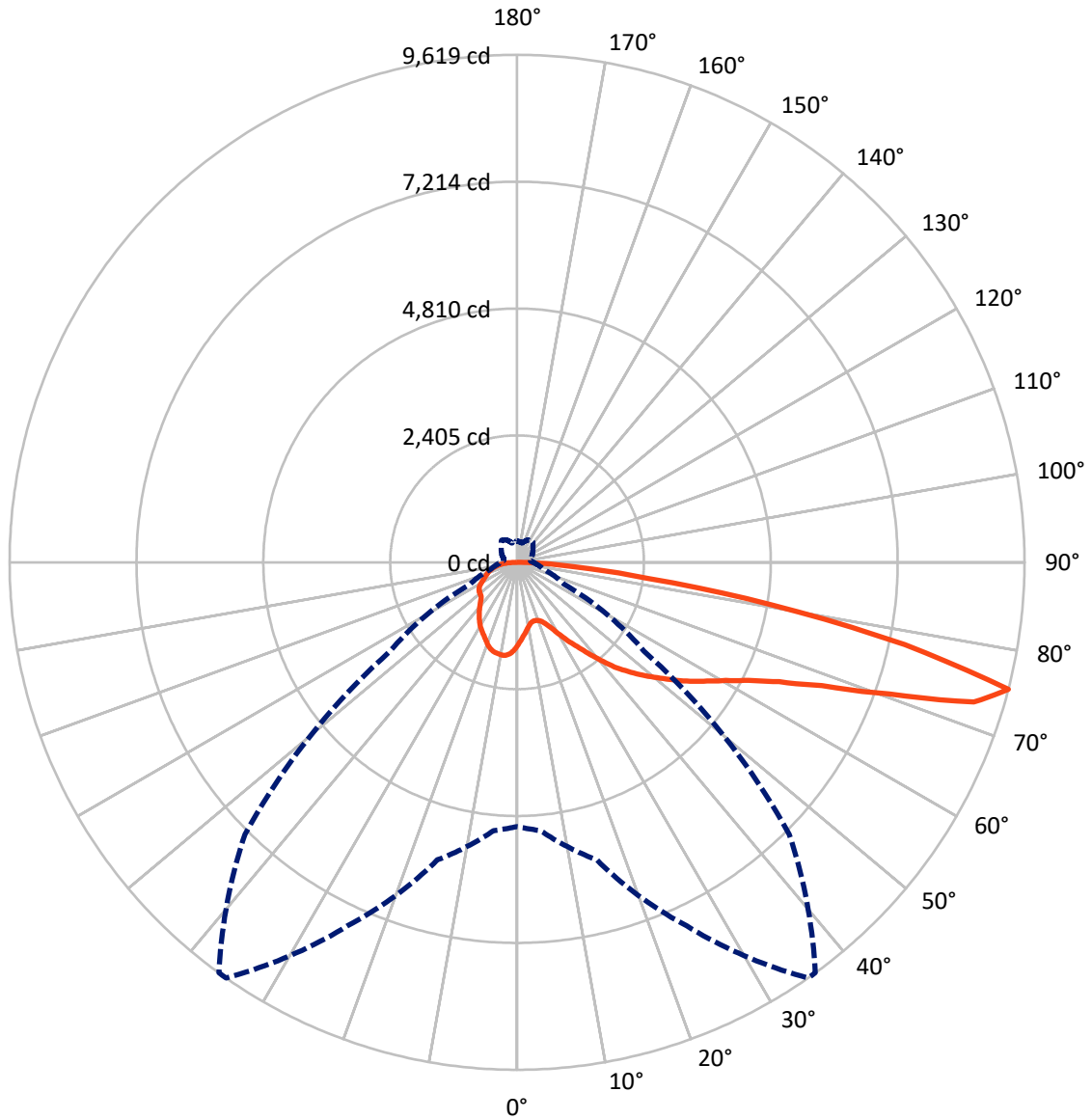
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P852267
CATALOG NUMBER: GLAN-SB2C-827-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852267
 CATALOG NUMBER: GLAN-SB2C-827-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2808.6	0.0	2808.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8993.4	0.0	8993.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	11802.0	0.0	11802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	1.3
10°-20°	429.5	3.6
20°-30°	721.2	6.1
30°-40°	1120.9	9.5
40°-50°	1663.7	14.1
50°-60°	2296.9	19.5
60°-70°	2786.6	23.6
70°-80°	2302.9	19.5
80°-90°	331.2	2.8
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°	11802.0	100.0
0°-180°	11802.0	100.0

Coefficient of Utilization



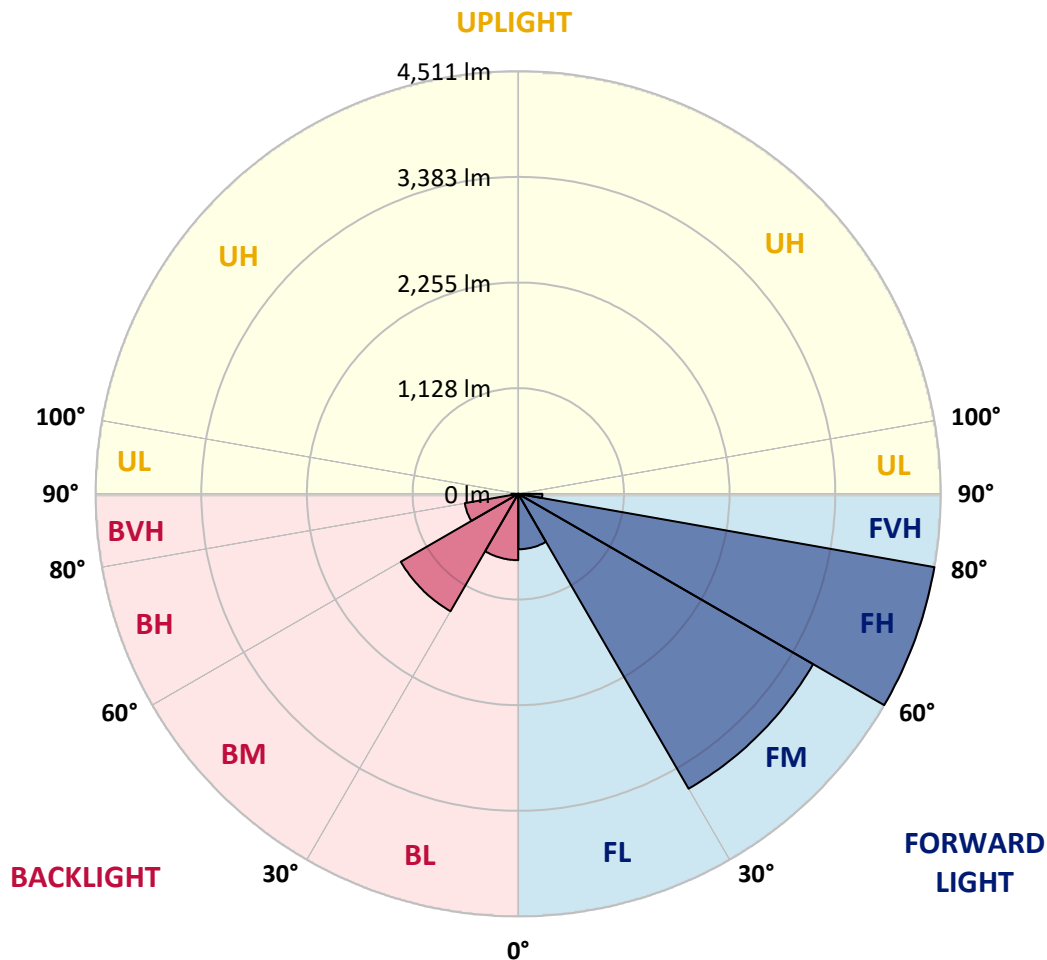
REPORT NUMBER: P852267
 CATALOG NUMBER: GLAN-SB2C-827-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.8	5.0			
FM (30°-60°)	3634.4	30.8			
FH (60°-80°)	4510.5	38.2			G2/5000
FVH (80°-90°)	256.6	2.2			G3/500
BL (0°-30°)	707.8	6.0	B2/1000		
BM (30°-60°)	1447.1	12.3	B2/2500		
BH (60°-80°)	579.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	74.6	0.6			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 Short



REPORT NUMBER: P852267
 CATALOG NUMBER: GLAN-SB2C-827-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7
2.5°	1450.2	1459.1	1463.0	1461.0	1470.6	1469.3	1482.7	1499.3	1522.3	1544.6
5°	1338.5	1348.1	1356.4	1364.1	1382.6	1388.3	1409.4	1441.3	1483.4	1526.1
7.5°	1234.6	1242.8	1255.6	1269.6	1300.9	1306.6	1341.7	1391.5	1450.2	1512.7
10°	1149.7	1158.0	1171.4	1187.3	1226.3	1233.3	1277.9	1344.3	1420.8	1500.0
12.5°	1113.3	1115.9	1123.5	1139.5	1173.3	1177.8	1226.9	1302.8	1392.1	1490.4
15°	1111.4	1116.5	1117.2	1125.5	1153.5	1155.4	1200.7	1276.0	1374.3	1488.5
17.5°	1130.6	1134.4	1128.6	1133.7	1157.4	1160.5	1196.3	1263.3	1368.5	1496.8
20°	1181.6	1184.8	1167.6	1160.5	1177.8	1180.3	1215.4	1271.6	1374.3	1514.0
22.5°	1290.1	1292.0	1249.9	1221.2	1222.4	1223.7	1254.3	1305.4	1396.6	1545.3
25°	1459.1	1457.9	1390.9	1335.4	1303.5	1296.4	1316.9	1360.2	1434.2	1586.7
27.5°	1656.9	1647.3	1580.4	1497.4	1427.9	1417.7	1413.2	1431.7	1487.8	1641.6
30°	1880.2	1871.3	1799.2	1690.7	1594.4	1577.8	1535.7	1526.1	1567.6	1716.2
32.5°	2125.2	2119.5	2033.3	1901.9	1773.0	1753.9	1683.1	1657.6	1690.1	1829.2
35°	2330.7	2325.5	2254.1	2118.8	1961.2	1937.6	1865.5	1836.8	1853.4	1974.0
37.5°	2516.3	2513.8	2452.5	2346.0	2183.3	2154.6	2073.5	2064.0	2060.8	2164.8
40°	2688.6	2682.2	2618.4	2562.3	2441.7	2415.5	2344.1	2335.8	2311.5	2399.6
42.5°	2879.3	2862.8	2770.2	2744.1	2711.5	2689.9	2647.1	2648.4	2594.8	2664.3
45°	3035.0	3025.4	2930.4	2915.1	2950.2	2941.2	2978.2	2987.8	2883.8	2941.9
47.5°	3202.2	3193.2	3112.9	3102.0	3197.1	3199.6	3330.4	3333.6	3165.8	3230.2
50°	3408.3	3395.5	3315.7	3329.1	3435.7	3445.3	3684.5	3662.8	3425.5	3523.1
52.5°	3544.1	3551.8	3534.6	3556.3	3701.7	3710.7	4032.9	3977.4	3682.6	3812.1
55°	3644.3	3659.6	3713.2	3763.0	3982.5	3991.4	4361.4	4276.6	3895.7	4080.1
57.5°	3773.2	3751.5	3851.7	3948.6	4249.2	4272.8	4681.1	4565.0	4084.5	4311.0
60°	3958.2	3942.9	4020.7	4164.3	4547.7	4585.4	5019.2	4824.6	4223.0	4494.1
62.5°	4333.4	4295.1	4307.2	4434.2	4924.2	4973.9	5400.8	5051.1	4291.9	4565.6
65°	4894.2	4828.5	4767.2	4855.3	5454.4	5503.5	5831.4	5229.1	4266.4	4427.2
67.5°	5600.5	5535.4	5460.1	5543.0	6235.3	6274.2	6362.9	5329.3	4065.4	3893.8
70°	6183.0	6158.7	6248.7	6590.0	7482.6	7483.9	7044.3	5246.4	3514.8	2760.7
72.5°	6105.8	6091.1	6565.1	7620.4	9054.6	9020.8	7689.3	4618.6	2367.7	1245.4
75°	5009.0	5104.1	5838.4	7601.9	9619.3	9614.8	7294.4	2936.1	979.3	516.2
77.5°	2686.0	2836.6	3790.4	5612.6	7509.4	7622.3	5128.3	1027.2	420.4	330.5
80°	876.0	1007.4	1510.8	2857.6	4879.5	4858.5	2197.9	403.2	287.7	234.1
82.5°	372.0	387.3	675.0	1349.4	2504.2	2465.3	699.9	231.6	202.2	160.1
85°	145.5	162.7	298.0	624.0	1084.6	1061.0	252.7	114.8	129.5	104.6
87.5°	47.9	58.1	106.5	213.7	337.5	325.4	61.9	39.6	56.1	47.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852267
 CATALOG NUMBER: GLAN-SB2C-827-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1572.7	0°	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7	1572.7
1577.2	2.5°	1586.1	1596.3	1608.4	1626.3	1641.6	1654.4	1667.8	1676.1	1679.2	1688.8
1579.7	5°	1597.6	1619.9	1649.9	1679.2	1708.0	1725.2	1740.5	1748.1	1755.2	1760.3
1586.7	7.5°	1616.7	1645.4	1692.6	1730.9	1755.2	1769.2	1779.4	1776.9	1779.4	1780.7
1594.4	10°	1633.3	1673.5	1729.6	1766.0	1784.5	1785.2	1782.6	1773.7	1769.2	1769.8
1605.9	12.5°	1653.1	1697.7	1758.4	1789.0	1794.1	1780.0	1769.2	1753.9	1748.1	1745.6
1623.1	15°	1679.9	1730.9	1789.6	1801.1	1788.3	1770.5	1752.0	1727.1	1714.3	1704.1
1652.4	17.5°	1712.4	1768.6	1813.9	1805.6	1778.1	1748.8	1718.8	1681.2	1655.0	1644.2
1692.6	20°	1757.7	1808.1	1832.4	1796.0	1754.5	1709.9	1658.8	1612.9	1588.6	1577.8
1743.7	22.5°	1812.6	1861.1	1850.2	1779.4	1720.7	1649.3	1585.5	1551.6	1539.5	1531.9
1809.4	25°	1878.3	1919.8	1863.0	1755.2	1665.2	1568.9	1519.7	1508.9	1503.2	1497.4
1889.8	27.5°	1963.8	1986.1	1872.6	1719.4	1578.4	1483.4	1465.5	1467.4	1465.5	1455.9
2001.4	30°	2076.7	2072.3	1881.5	1661.4	1478.9	1406.2	1407.5	1415.7	1417.0	1410.6
2157.1	32.5°	2225.4	2180.1	1886.0	1586.1	1383.8	1338.5	1339.8	1348.8	1355.1	1344.3
2360.6	35°	2405.3	2305.8	1878.9	1491.7	1310.5	1274.1	1264.5	1267.1	1269.0	1258.8
2607.5	37.5°	2615.2	2446.8	1847.7	1387.0	1249.9	1210.9	1190.5	1173.3	1163.1	1153.5
2887.0	40°	2845.5	2600.5	1790.3	1285.0	1182.2	1144.0	1113.3	1080.8	1046.3	1033.6
3183.0	42.5°	3086.7	2758.8	1720.7	1187.3	1104.4	1073.1	1040.6	993.4	941.7	915.5
3490.6	45°	3336.8	2920.8	1652.4	1091.0	1024.6	1011.2	973.6	916.8	860.7	827.5
3798.7	47.5°	3581.8	3073.9	1552.3	994.0	950.0	964.7	935.3	883.0	820.5	768.2
4104.3	50°	3815.9	3217.5	1388.3	895.8	889.4	950.6	922.6	847.3	775.8	708.8
4404.2	52.5°	4048.2	3333.6	1178.4	806.4	856.8	946.8	906.0	823.0	735.6	665.4
4686.2	55°	4245.3	3393.6	976.2	729.9	809.6	914.3	886.2	794.3	678.8	604.2
4879.5	57.5°	4357.6	3345.1	807.7	654.6	744.6	860.7	852.4	733.1	611.2	553.8
4917.1	60°	4309.1	3148.6	669.9	588.9	682.7	802.6	793.7	672.5	559.5	505.3
4715.5	62.5°	4041.8	2774.1	560.8	531.5	626.5	743.3	735.0	625.9	520.0	467.7
4180.2	65°	3503.3	2256.6	476.0	483.6	569.7	671.8	683.9	587.0	488.7	437.7
3234.1	67.5°	2672.0	1634.6	409.6	442.1	514.2	601.6	636.7	558.9	462.6	414.1
1871.3	70°	1522.9	928.3	353.5	401.9	465.1	536.6	600.4	536.6	434.5	394.3
701.2	72.5°	577.4	426.2	305.6	361.8	417.9	481.7	560.2	501.5	401.9	372.0
362.4	75°	308.2	259.7	257.1	314.5	363.7	428.1	509.8	467.0	377.7	393.0
250.7	77.5°	209.9	183.7	215.0	269.2	304.3	368.8	456.2	414.7	327.3	326.0
173.5	80°	145.5	130.2	174.8	216.9	235.4	310.1	398.1	356.0	266.7	248.8
107.2	82.5°	87.4	84.9	130.8	162.1	166.5	239.3	329.9	298.6	218.2	190.1
63.8	85°	47.9	50.4	83.6	95.1	97.0	167.2	258.4	231.0	167.8	141.0
23.0	87.5°	13.4	17.2	30.6	37.6	46.6	86.8	153.8	137.2	84.2	58.7
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°
1572.7
1688.2
1761.5
1782.6
1771.1
1744.3
1707.3
1644.8
1576.5
1533.1
1497.4
1457.9
1413.8
1349.4
1265.8
1159.9
1039.3
918.7
824.9
762.4
703.1
657.8
597.8
546.1
497.6
459.4
429.4
406.4
389.2
366.9
405.8
300.5
238.0
191.4
142.3
58.7
0.0

F REPORT)