

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: P852515

Luminaire Tested: **GLAN-SB4B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852515
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-SB4B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14364 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

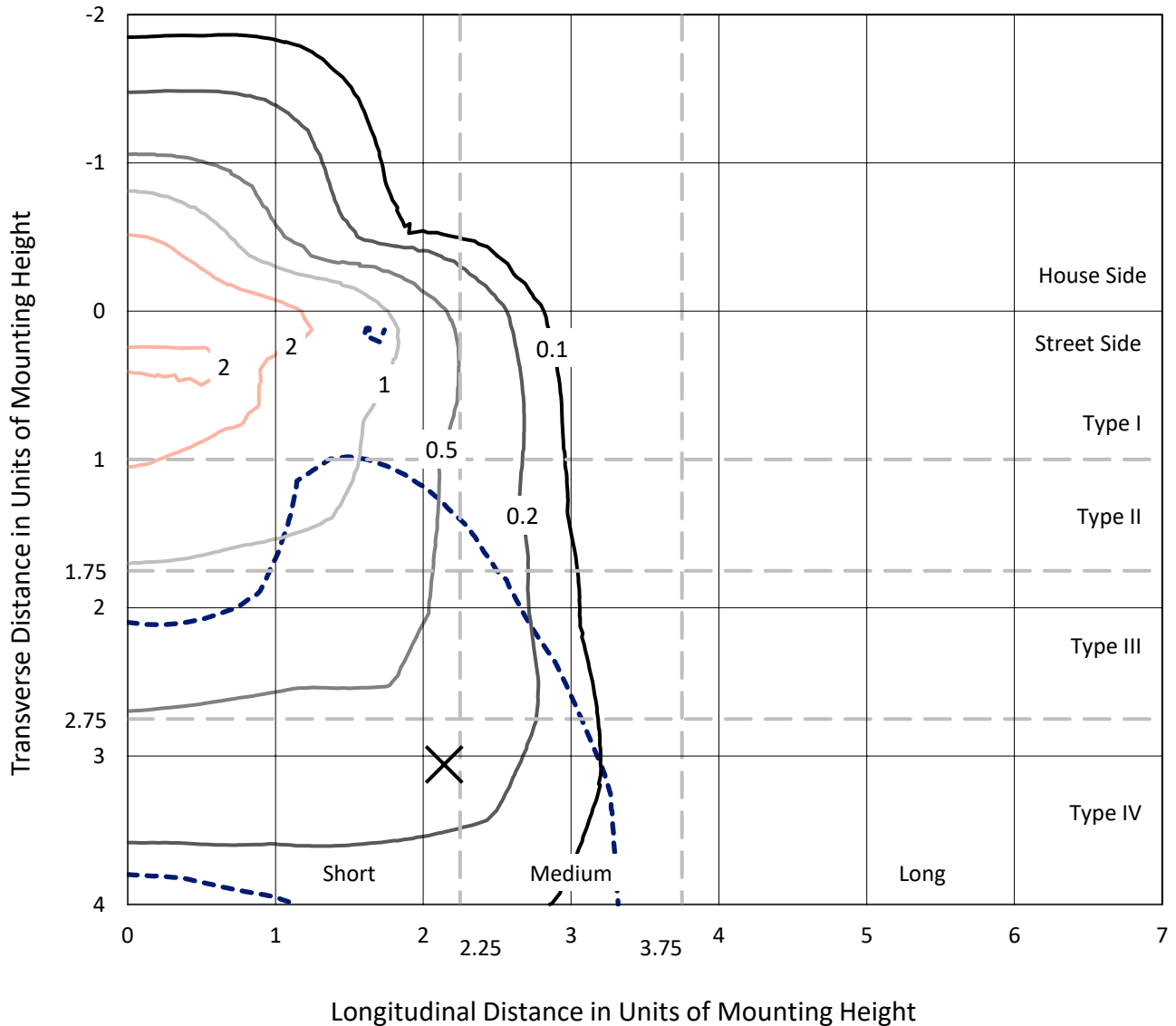
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852515
 CATALOG NUMBER: GLAN-SB4B-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

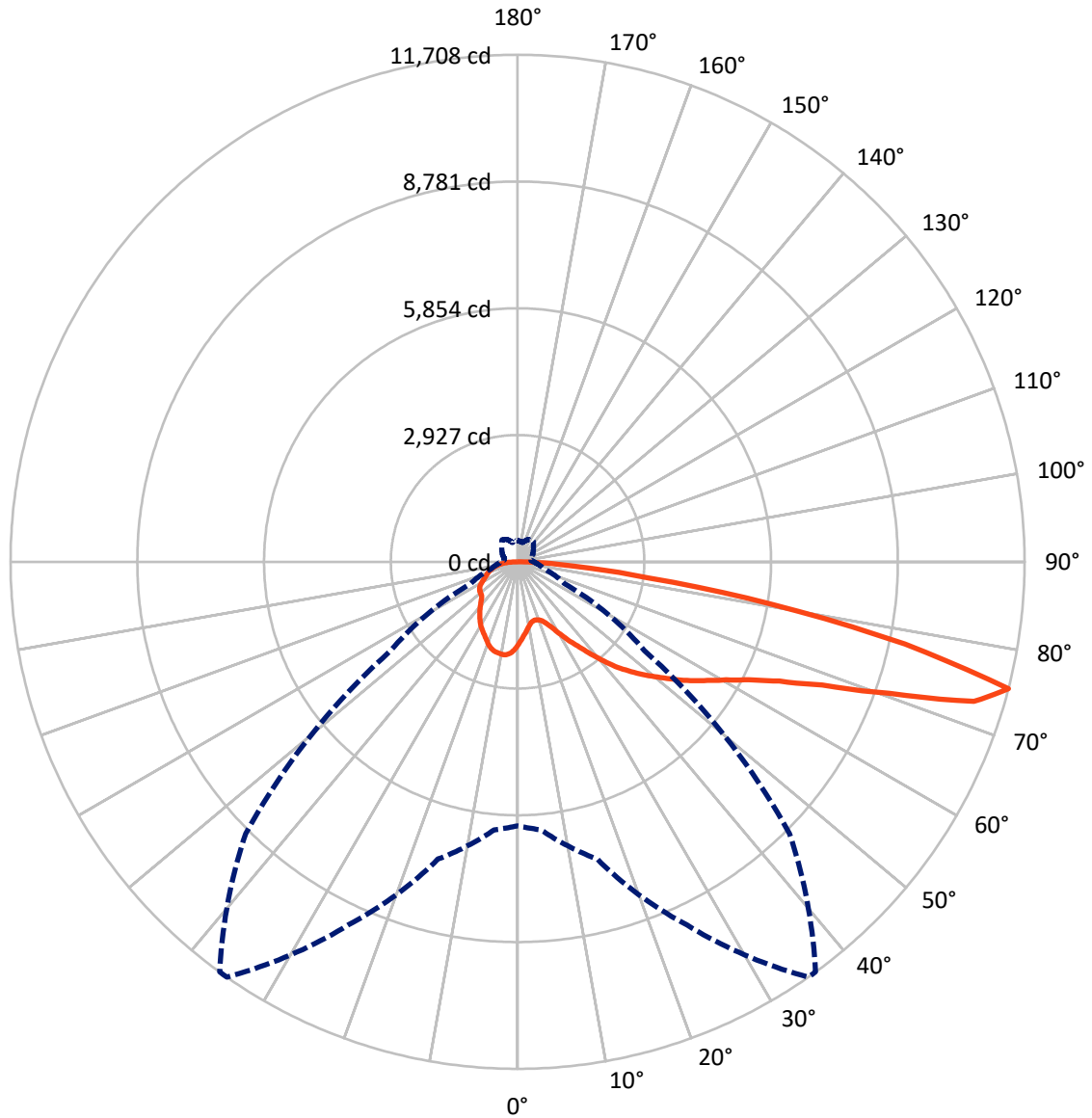
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P852515
CATALOG NUMBER: GLAN-SB4B-927-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852515
 CATALOG NUMBER: GLAN-SB4B-927-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3418.3	0.0	3418.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10945.7	0.0	10945.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	14364.0	0.0	14364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	1.3
10°-20°	522.7	3.6
20°-30°	877.8	6.1
30°-40°	1364.2	9.5
40°-50°	2024.9	14.1
50°-60°	2795.5	19.5
60°-70°	3391.6	23.6
70°-80°	2802.9	19.5
80°-90°	403.1	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°	14364.0	100.0
0°-180°	14364.0	100.0

Coefficient of Utilization



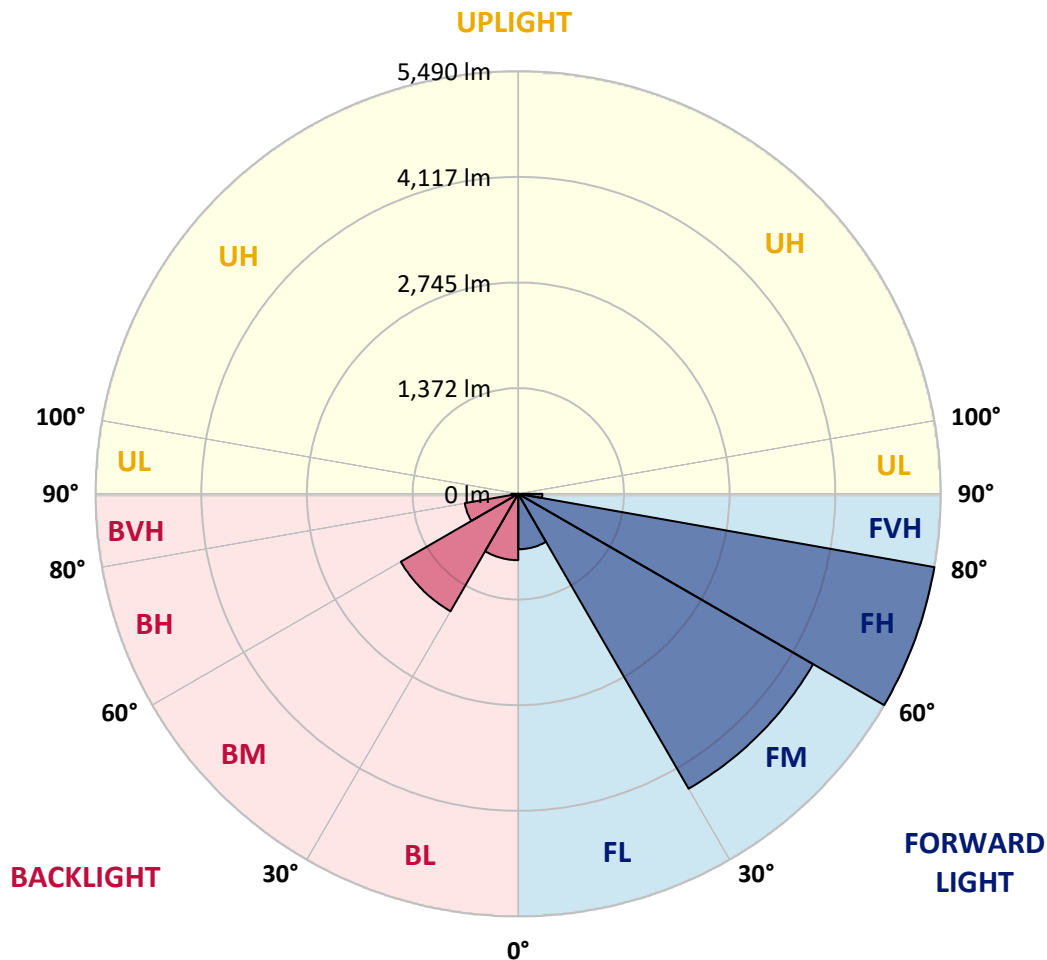
REPORT NUMBER: P852515
 CATALOG NUMBER: GLAN-SB4B-927-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	720.3	5.0			
FM (30°-60°)	4423.3	30.8			
FH (60°-80°)	5489.7	38.2			G3/7500
FVH (80°-90°)	312.4	2.2			G3/500
BL (0°-30°)	861.5	6.0	B2/1000		
BM (30°-60°)	1761.3	12.3	B2/2500		
BH (60°-80°)	704.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	90.8	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: P852515
 CATALOG NUMBER: GLAN-SB4B-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1
2.5°	1765.0	1775.9	1780.5	1778.2	1789.9	1788.3	1804.6	1824.8	1852.8	1879.9
5°	1629.1	1640.8	1650.9	1660.2	1682.7	1689.7	1715.3	1754.1	1805.4	1857.4
7.5°	1502.5	1512.6	1528.2	1545.3	1583.3	1590.3	1633.0	1693.6	1765.0	1841.1
10°	1399.3	1409.4	1425.7	1445.1	1492.5	1501.0	1555.4	1636.1	1729.3	1825.6
12.5°	1355.0	1358.1	1367.4	1386.8	1428.0	1433.4	1493.2	1585.6	1694.3	1813.9
15°	1352.7	1358.9	1359.7	1369.8	1403.9	1406.3	1461.4	1553.0	1672.6	1811.6
17.5°	1376.0	1380.6	1373.6	1379.9	1408.6	1412.5	1456.0	1537.5	1665.6	1821.7
20°	1438.1	1442.0	1421.0	1412.5	1433.4	1436.5	1479.3	1547.6	1672.6	1842.7
22.5°	1570.1	1572.4	1521.2	1486.2	1487.8	1489.3	1526.6	1588.7	1699.8	1880.7
25°	1775.9	1774.3	1692.8	1625.2	1586.4	1577.9	1602.7	1655.5	1745.6	1931.2
27.5°	2016.6	2005.0	1923.4	1822.5	1737.8	1725.4	1720.0	1742.5	1810.8	1998.0
30°	2288.4	2277.5	2189.8	2057.8	1940.5	1920.3	1869.1	1857.4	1907.9	2088.8
32.5°	2586.6	2579.6	2474.7	2314.8	2157.9	2134.6	2048.4	2017.4	2057.0	2226.3
35°	2836.6	2830.4	2743.4	2578.8	2387.0	2358.3	2270.5	2235.6	2255.8	2402.5
37.5°	3062.6	3059.5	2984.9	2855.2	2657.2	2622.3	2523.7	2512.0	2508.1	2634.7
40°	3272.2	3264.5	3186.8	3118.5	2971.7	2939.9	2852.9	2842.8	2813.3	2920.5
42.5°	3504.4	3484.2	3371.6	3339.8	3300.2	3273.8	3221.7	3223.3	3158.1	3242.7
45°	3693.9	3682.2	3566.5	3547.9	3590.6	3579.7	3624.8	3636.4	3509.8	3580.5
47.5°	3897.3	3886.4	3788.6	3775.4	3891.1	3894.2	4053.4	4057.3	3853.0	3931.5
50°	4148.1	4132.6	4035.5	4051.8	4181.5	4193.2	4484.4	4458.0	4169.1	4287.9
52.5°	4313.5	4322.8	4301.9	4328.3	4505.3	4516.2	4908.3	4840.8	4482.0	4639.7
55°	4435.4	4454.1	4519.3	4579.9	4847.0	4857.9	5308.2	5205.0	4741.4	4965.8
57.5°	4592.3	4565.9	4687.8	4805.8	5171.6	5200.3	5697.3	5555.9	4971.2	5246.9
60°	4817.5	4798.8	4893.6	5068.3	5535.0	5580.8	6108.8	5872.0	5139.7	5469.7
62.5°	5274.1	5227.5	5242.2	5396.8	5993.1	6053.7	6573.2	6147.6	5223.6	5556.7
65°	5956.6	5876.6	5802.1	5909.3	6638.4	6698.2	7097.3	6364.3	5192.5	5388.2
67.5°	6816.2	6737.0	6645.4	6746.3	7588.8	7636.2	7744.1	6486.2	4947.9	4739.0
70°	7525.2	7495.7	7605.2	8020.6	9106.9	9108.5	8573.5	6385.3	4277.8	3360.0
72.5°	7431.2	7413.4	7990.3	9274.7	11020.2	10979.1	9358.5	5621.2	2881.6	1515.7
75°	6096.4	6212.1	7105.9	9252.1	11707.5	11702.0	8877.9	3573.5	1191.9	628.2
77.5°	3269.1	3452.4	4613.3	6831.0	9139.5	9277.0	6241.6	1250.2	511.7	402.2
80°	1066.1	1226.1	1838.8	3478.0	5938.8	5913.1	2675.1	490.8	350.2	285.0
82.5°	452.7	471.3	821.5	1642.3	3047.8	3000.4	851.8	281.9	246.2	194.9
85°	177.0	198.0	362.6	759.4	1320.1	1291.3	307.5	139.8	157.6	127.3
87.5°	58.2	70.7	129.7	260.1	410.8	396.0	75.3	48.1	68.3	58.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852515
 CATALOG NUMBER: GLAN-SB4B-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1914.1	0°	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1	1914.1
1919.5	2.5°	1930.4	1942.8	1957.6	1979.3	1998.0	2013.5	2029.8	2039.9	2043.8	2055.4
1922.6	5°	1944.4	1971.6	2008.1	2043.8	2078.7	2099.7	2118.3	2127.6	2136.2	2142.4
1931.2	7.5°	1967.7	2002.6	2060.1	2106.7	2136.2	2153.3	2165.7	2162.6	2165.7	2167.2
1940.5	10°	1987.9	2036.8	2105.1	2149.4	2171.9	2172.7	2169.6	2158.7	2153.3	2154.0
1954.5	12.5°	2011.9	2066.3	2140.1	2177.3	2183.5	2166.5	2153.3	2134.6	2127.6	2124.5
1975.4	15°	2044.6	2106.7	2178.1	2192.1	2176.6	2154.8	2132.3	2102.0	2086.5	2074.1
2011.2	17.5°	2084.2	2152.5	2207.6	2197.5	2164.1	2128.4	2091.9	2046.1	2014.3	2001.1
2060.1	20°	2139.3	2200.6	2230.1	2185.9	2135.4	2081.1	2018.9	1963.0	1933.5	1920.3
2122.2	22.5°	2206.1	2265.1	2251.9	2165.7	2094.3	2007.3	1929.6	1888.5	1873.7	1864.4
2202.2	25°	2286.0	2336.5	2267.4	2136.2	2026.7	1909.4	1849.6	1836.4	1829.5	1822.5
2300.0	27.5°	2390.1	2417.3	2279.1	2092.7	1921.1	1805.4	1783.6	1786.0	1783.6	1772.0
2435.9	30°	2527.5	2522.1	2289.9	2022.0	1800.0	1711.4	1713.0	1723.1	1724.6	1716.9
2625.4	32.5°	2708.5	2653.3	2295.4	1930.4	1684.3	1629.1	1630.7	1641.5	1649.3	1636.1
2873.1	35°	2927.4	2806.3	2286.8	1815.5	1595.0	1550.7	1539.0	1542.2	1544.5	1532.1
3173.6	37.5°	3182.9	2977.9	2248.8	1688.1	1521.2	1473.8	1449.0	1428.0	1415.6	1403.9
3513.7	40°	3463.2	3165.1	2178.9	1563.9	1438.9	1392.3	1355.0	1315.4	1273.5	1257.9
3874.0	42.5°	3756.8	3357.6	2094.3	1445.1	1344.1	1306.1	1266.5	1209.0	1146.1	1114.3
4248.3	45°	4061.2	3554.9	2011.2	1327.8	1247.1	1230.8	1185.0	1115.8	1047.5	1007.1
4623.3	47.5°	4359.3	3741.2	1889.3	1209.8	1156.2	1174.1	1138.4	1074.7	998.6	934.9
4995.3	50°	4644.3	3915.9	1689.7	1090.2	1082.5	1157.0	1122.8	1031.2	944.2	862.7
5360.3	52.5°	4927.0	4057.3	1434.2	981.5	1042.9	1152.3	1102.6	1001.7	895.3	809.9
5703.5	55°	5166.9	4130.3	1188.1	888.3	985.4	1112.7	1078.6	966.8	826.2	735.4
5938.8	57.5°	5303.6	4071.2	983.1	796.7	906.2	1047.5	1037.4	892.2	743.9	674.0
5984.6	60°	5244.6	3832.1	815.3	716.7	830.9	976.9	966.0	818.4	681.0	615.0
5739.2	62.5°	4919.2	3376.3	682.6	646.8	762.5	904.6	894.5	761.8	632.9	569.2
5087.7	65°	4263.8	2746.5	579.3	588.6	693.4	817.7	832.4	714.4	594.8	532.7
3936.1	67.5°	3252.0	1989.4	498.5	538.1	625.9	732.3	775.0	680.2	563.0	504.0
2277.5	70°	1853.5	1129.8	430.2	489.2	566.1	653.0	730.7	653.0	528.8	479.9
853.4	72.5°	702.7	518.7	371.9	440.3	508.6	586.3	681.8	610.3	489.2	452.7
441.1	75°	375.1	316.0	312.9	382.8	442.6	521.0	620.4	568.4	459.7	478.3
305.2	77.5°	255.5	223.6	261.7	327.7	370.4	448.8	555.2	504.7	398.4	396.8
211.2	80°	177.0	158.4	212.8	264.0	286.5	377.4	484.5	433.3	324.6	302.8
130.5	82.5°	106.4	103.3	159.2	197.2	202.7	291.2	401.5	363.4	265.6	231.4
77.7	85°	58.2	61.3	101.7	115.7	118.0	203.4	314.5	281.1	204.2	171.6
28.0	87.5°	16.3	21.0	37.3	45.8	56.7	105.6	187.1	166.9	102.5	71.4
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°
1914.1
2054.6
2143.9
2169.6
2155.6
2123.0
2077.9
2001.8
1918.8
1866.0
1822.5
1774.3
1720.7
1642.3
1540.6
1411.7
1264.9
1118.2
1004.0
927.9
855.7
800.6
727.6
664.7
605.7
559.1
522.6
494.6
473.7
446.5
493.9
365.7
289.6
233.0
173.2
71.4
0.0

F REPORT)