

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: P848026

Luminaire Tested: **GLAN-SB4B-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14400 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

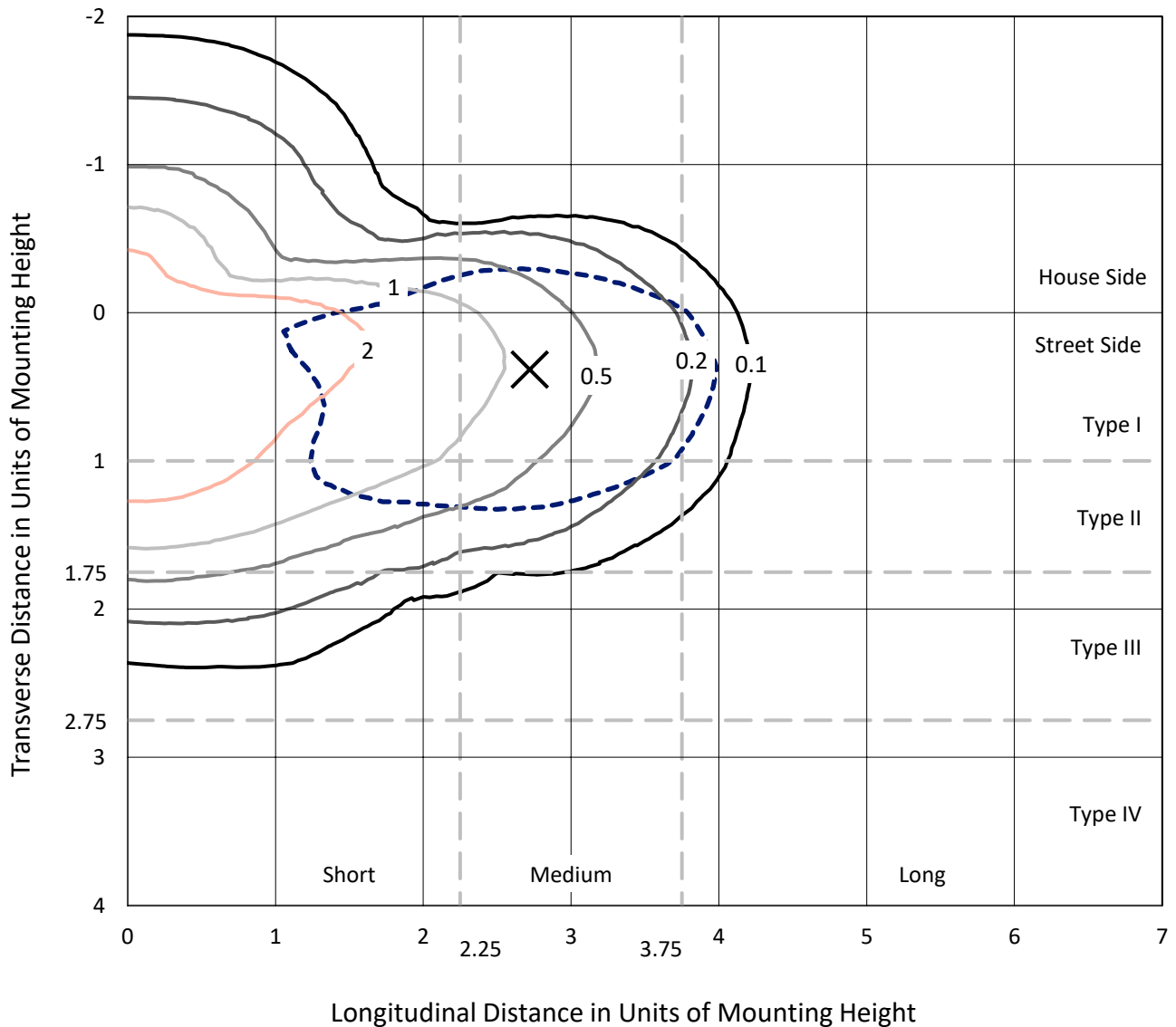
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848026  
 CATALOG NUMBER: GLAN-SB4B-927-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

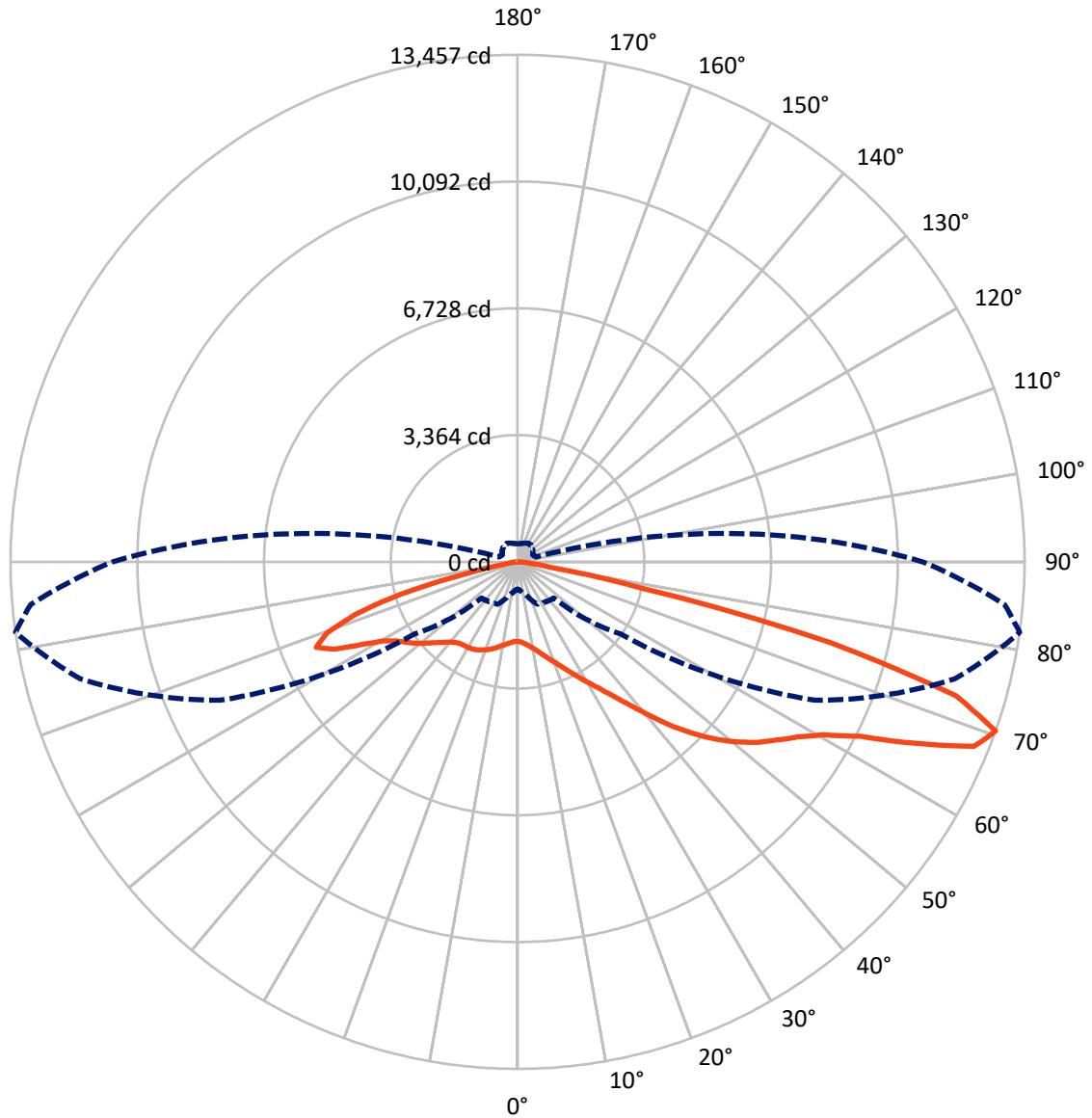
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P848026  
CATALOG NUMBER: GLAN-SB4B-927-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P848026  
 CATALOG NUMBER: GLAN-SB4B-927-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3550.0	0.0	3550.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10850.1	0.0	10850.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	14400.0	0.0	14400.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.3	1.4
10°-20°	572.7	4.0
20°-30°	958.1	6.7
30°-40°	1496.8	10.4
40°-50°	2383.8	16.6
50°-60°	3317.3	23.0
60°-70°	3470.1	24.1
70°-80°	1813.6	12.6
80°-90°	188.3	1.3
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°	14400.0	100.0
0°-180°	14400.0	100.0

**Coefficient of Utilization**

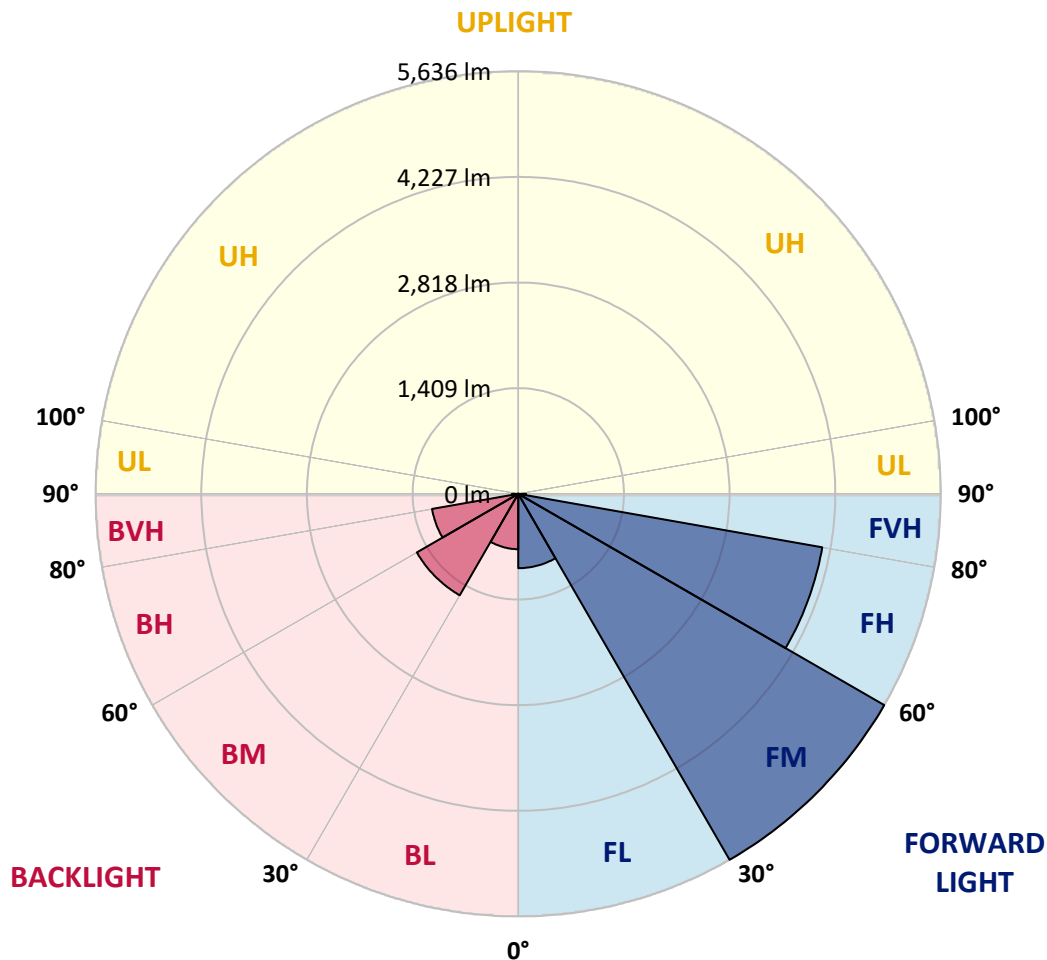


REPORT NUMBER: P848026  
 CATALOG NUMBER: GLAN-SB4B-927-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.6	6.9			
FM (30°-60°)	5636.0	39.1			
FH (60°-80°)	4117.0	28.6			G2/5000
FVH (80°-90°)	105.4	0.7			G2/225
BL (0°-30°)	738.5	5.1	B2/1000		
BM (30°-60°)	1561.8	10.8	B2/2500		
BH (60°-80°)	1166.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	82.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



REPORT NUMBER: P848026  
 CATALOG NUMBER: GLAN-SB4B-927-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2
2.5°	2161.7	2173.9	2170.1	2166.2	2166.2	2160.9	2160.1	2152.5	2146.4	2136.4
5°	2189.2	2202.1	2200.6	2203.7	2213.6	2215.9	2218.2	2213.6	2201.4	2189.2
7.5°	2164.7	2179.2	2183.8	2202.1	2232.7	2260.2	2280.9	2289.3	2277.8	2260.2
10°	2082.2	2098.2	2114.3	2157.8	2212.1	2277.0	2332.0	2364.9	2362.6	2345.8
12.5°	1914.8	1931.7	1966.0	2050.9	2150.2	2264.8	2367.2	2436.0	2459.7	2447.4
15°	1781.1	1795.6	1821.6	1908.7	2037.9	2212.1	2380.2	2513.9	2574.3	2567.4
17.5°	1777.3	1783.4	1799.5	1840.7	1940.1	2129.6	2366.4	2590.3	2705.7	2704.9
20°	1844.5	1846.8	1856.0	1864.4	1921.0	2066.9	2331.3	2653.7	2853.2	2853.2
22.5°	1937.8	1936.2	1945.4	1937.8	1965.3	2061.6	2309.1	2709.5	3017.4	3029.7
25°	2077.6	2070.0	2067.7	2050.1	2055.4	2111.2	2333.6	2772.9	3212.3	3237.5
27.5°	2264.0	2251.8	2243.4	2202.9	2189.2	2213.6	2408.5	2849.3	3429.3	3472.9
30°	2507.0	2484.9	2472.6	2402.3	2352.7	2356.5	2521.5	2951.0	3656.2	3726.5
32.5°	2838.6	2804.3	2771.4	2656.0	2565.1	2535.3	2667.5	3091.6	3902.3	4014.6
35°	3210.0	3182.5	3147.3	2969.3	2829.5	2760.7	2864.6	3287.9	4190.3	4368.4
37.5°	3567.6	3543.9	3560.7	3320.8	3140.5	3040.4	3122.9	3551.6	4545.7	4808.5
40°	3937.4	3919.1	3921.4	3692.2	3482.0	3369.7	3436.2	3882.4	4952.9	5331.9
42.5°	4339.3	4325.6	4279.7	4076.5	3840.4	3735.7	3796.8	4264.5	5390.0	5927.9
45°	4789.4	4781.0	4738.2	4505.2	4234.7	4117.0	4199.5	4686.3	5829.4	6488.8
47.5°	5178.3	5185.2	5179.9	4983.5	4703.1	4530.4	4628.9	5126.4	6238.1	7016.0
50°	5365.5	5401.5	5454.2	5393.0	5218.8	5043.1	5062.2	5551.2	6627.8	7510.4
52.5°	5267.7	5335.7	5479.4	5577.2	5644.4	5607.8	5556.6	5973.0	6994.6	7956.6
55°	4903.3	4998.8	5237.2	5473.3	5816.4	6083.0	6150.3	6440.6	7352.2	8349.4
57.5°	4239.3	4394.4	4608.3	5085.9	5663.5	6313.0	6842.6	7089.4	7731.2	8768.9
60°	3100.7	3308.6	3574.5	4285.1	5128.7	6190.0	7431.7	8085.8	8269.9	9312.1
62.5°	1984.4	2112.7	2357.3	3026.6	3996.3	5559.6	7612.0	9331.2	9183.0	10203.1
65°	1358.6	1441.1	1665.0	2040.9	2583.4	4138.4	7129.1	10265.0	10633.3	11615.1
67.5°	987.2	1049.9	1240.9	1570.2	1683.3	2449.0	5532.1	10222.2	12043.0	13070.0
70°	719.8	764.1	924.6	1240.9	1295.2	1362.4	3351.4	8689.4	12012.5	13456.6
72.5°	533.3	563.9	671.6	962.8	1048.4	920.0	1658.9	6315.3	10322.3	12171.4
75°	385.9	408.8	488.3	736.6	839.0	700.7	827.5	3690.6	7200.2	8561.8
77.5°	294.9	312.5	364.5	539.5	671.6	525.7	513.5	1697.8	3414.0	3430.8
80°	236.9	248.3	276.6	379.8	515.0	393.5	334.7	685.4	1078.9	913.1
82.5°	174.2	193.3	233.8	266.7	368.3	271.3	204.0	346.1	410.3	353.0
85°	99.3	112.3	141.4	191.0	235.3	165.8	116.9	153.6	191.0	156.6
87.5°	35.1	45.8	49.7	74.9	102.4	68.8	45.1	44.3	62.7	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848026  
 CATALOG NUMBER: GLAN-SB4B-927-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2111.2	0°	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2	2111.2
2134.1	2.5°	2126.5	2122.7	2107.4	2086.8	2065.4	2044.7	2037.9	2023.3	2013.4	2008.1
2183.8	5°	2169.3	2157.1	2121.2	2075.3	2027.2	1975.2	1938.5	1904.9	1880.5	1857.5
2251.8	7.5°	2230.4	2209.0	2147.1	2066.9	1981.3	1895.0	1830.8	1781.9	1749.0	1727.6
2331.3	10°	2301.5	2268.6	2173.9	2053.9	1921.7	1797.9	1722.3	1680.3	1659.6	1648.2
2422.2	12.5°	2383.2	2336.6	2201.4	2024.1	1830.8	1689.4	1637.5	1625.2	1626.0	1626.8
2536.8	15°	2484.1	2419.2	2223.5	1959.2	1712.4	1606.1	1597.0	1616.8	1637.5	1647.4
2666.7	17.5°	2598.0	2506.3	2227.4	1852.2	1596.2	1552.7	1581.7	1624.5	1655.8	1669.6
2811.9	20°	2720.2	2594.9	2199.9	1700.9	1500.7	1509.1	1561.1	1616.1	1650.5	1668.0
2977.7	22.5°	2860.0	2689.6	2134.1	1542.0	1422.8	1461.7	1522.9	1576.3	1612.3	1629.8
3172.6	25°	3019.7	2795.9	2031.0	1408.2	1355.5	1408.2	1469.4	1513.7	1542.7	1558.8
3390.3	27.5°	3197.0	2906.7	1893.5	1302.0	1296.7	1353.2	1403.7	1438.0	1453.3	1465.6
3621.9	30°	3375.0	3007.5	1726.9	1221.8	1245.5	1299.0	1334.9	1350.2	1354.8	1357.0
3880.1	32.5°	3567.6	3094.6	1551.9	1155.3	1196.6	1246.3	1267.6	1274.5	1253.1	1238.6
4193.4	35°	3800.7	3187.8	1380.7	1102.6	1148.4	1191.2	1198.1	1192.0	1166.8	1137.0
4586.2	37.5°	4088.7	3304.0	1244.0	1065.2	1103.4	1131.6	1123.2	1121.7	1124.0	1088.8
5058.4	40°	4441.7	3455.3	1143.9	1036.1	1066.7	1072.8	1049.1	1062.1	1073.6	1020.1
5576.4	42.5°	4833.7	3637.9	1080.4	1016.3	1036.1	1021.6	984.9	999.4	997.9	927.6
6096.8	45°	5233.4	3836.6	1058.3	1001.7	1007.9	978.8	938.3	942.1	910.0	846.6
6595.7	47.5°	5630.7	4049.8	1072.0	989.5	972.7	939.8	908.5	891.7	844.3	797.0
7074.1	50°	6020.4	4273.6	1122.5	965.1	924.6	905.5	882.5	852.7	802.3	761.8
7526.4	52.5°	6381.8	4499.0	1179.0	924.6	864.2	875.7	861.1	826.8	777.1	735.8
7954.3	55°	6724.1	4724.5	1201.2	868.8	807.7	849.7	841.3	777.9	718.3	684.6
8402.1	57.5°	7097.0	4995.7	1176.7	797.7	761.8	819.9	787.8	717.5	683.1	657.9
8985.1	60°	7613.5	5421.3	1124.0	709.9	718.3	775.6	720.6	691.5	654.1	625.8
9859.2	62.5°	8471.6	6215.2	1039.2	622.7	667.1	709.9	688.5	659.4	621.2	593.7
11353.8	65°	9740.0	7318.6	879.5	554.7	609.8	645.7	654.1	625.0	585.3	556.3
12663.5	67.5°	10809.8	8010.9	665.5	498.2	550.9	593.7	617.4	589.1	547.1	518.8
12969.9	70°	10750.9	7508.1	508.1	442.4	499.0	542.5	573.1	550.9	505.8	479.1
11781.0	72.5°	9549.0	6280.9	411.1	385.9	446.2	489.0	525.7	508.9	463.0	437.1
8630.6	75°	7015.2	4458.5	328.6	328.6	380.5	433.2	473.7	463.0	421.0	402.7
3623.4	77.5°	2957.1	1870.5	257.5	272.8	316.3	372.1	422.5	426.4	389.7	412.6
958.2	80°	786.3	515.8	196.4	214.7	248.3	307.2	367.5	366.0	326.3	304.9
356.1	82.5°	299.5	203.3	139.8	151.3	179.6	235.3	291.1	300.3	260.6	225.4
139.8	85°	115.4	87.1	86.3	90.9	104.7	155.9	220.1	227.7	196.4	166.6
39.0	87.5°	29.8	26.0	32.1	30.6	48.1	83.3	126.1	130.7	120.0	69.5
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°
2111.2
2014.2
1866.7
1732.2
1651.2
1628.3
1646.6
1672.6
1672.6
1634.4
1563.4
1470.1
1362.4
1243.2
1138.5
1091.1
1021.6
926.9
848.9
797.0
758.8
736.6
681.6
655.6
624.3
593.7
557.8
519.6
481.4
437.1
397.3
374.4
283.5
225.4
171.9
99.3
0.0

F REPORT)