

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: P847838

Luminaire Tested: **GLAN-SB4A-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847838  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15999 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

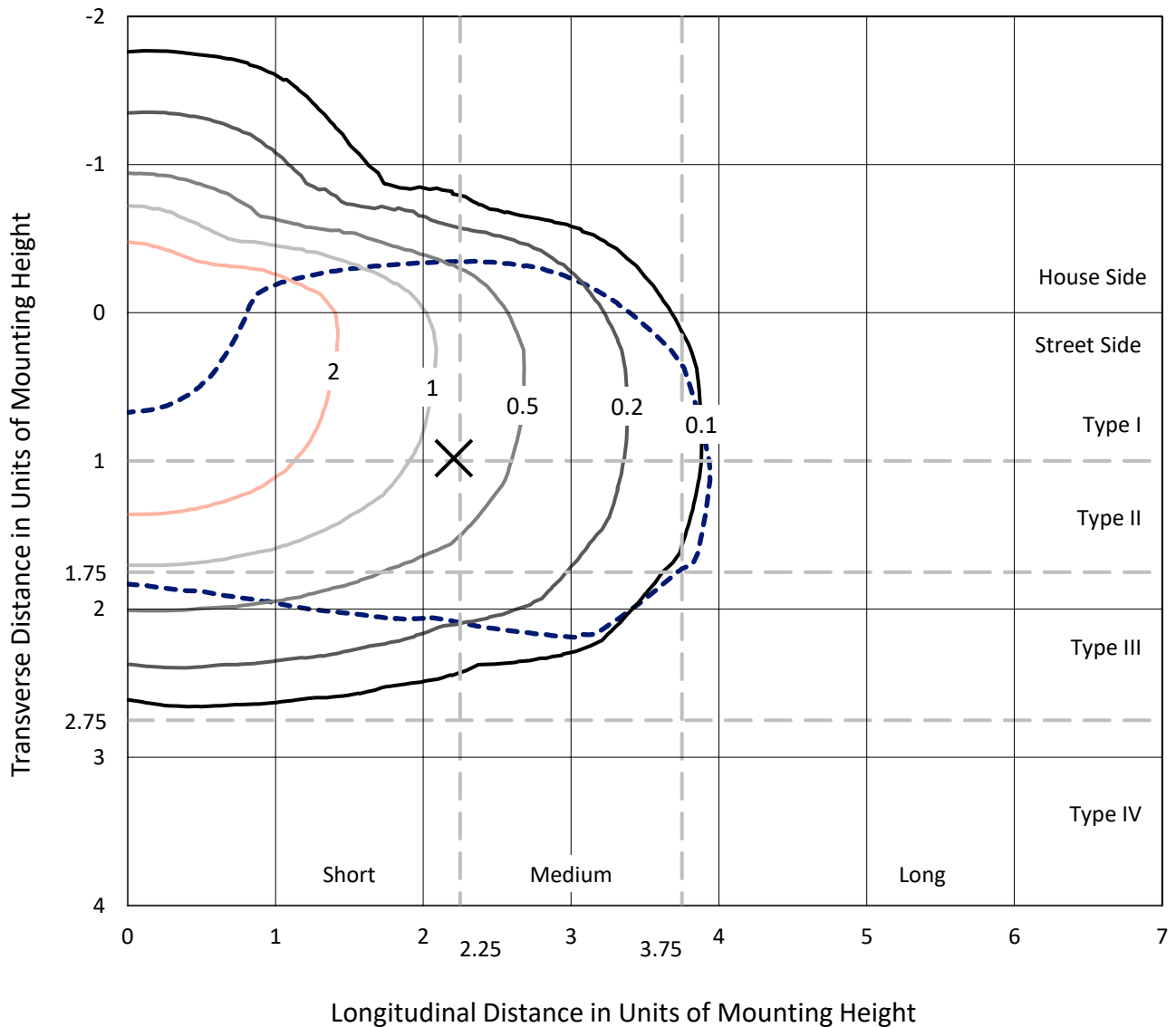
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847838  
 CATALOG NUMBER: GLAN-SB4A-840-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

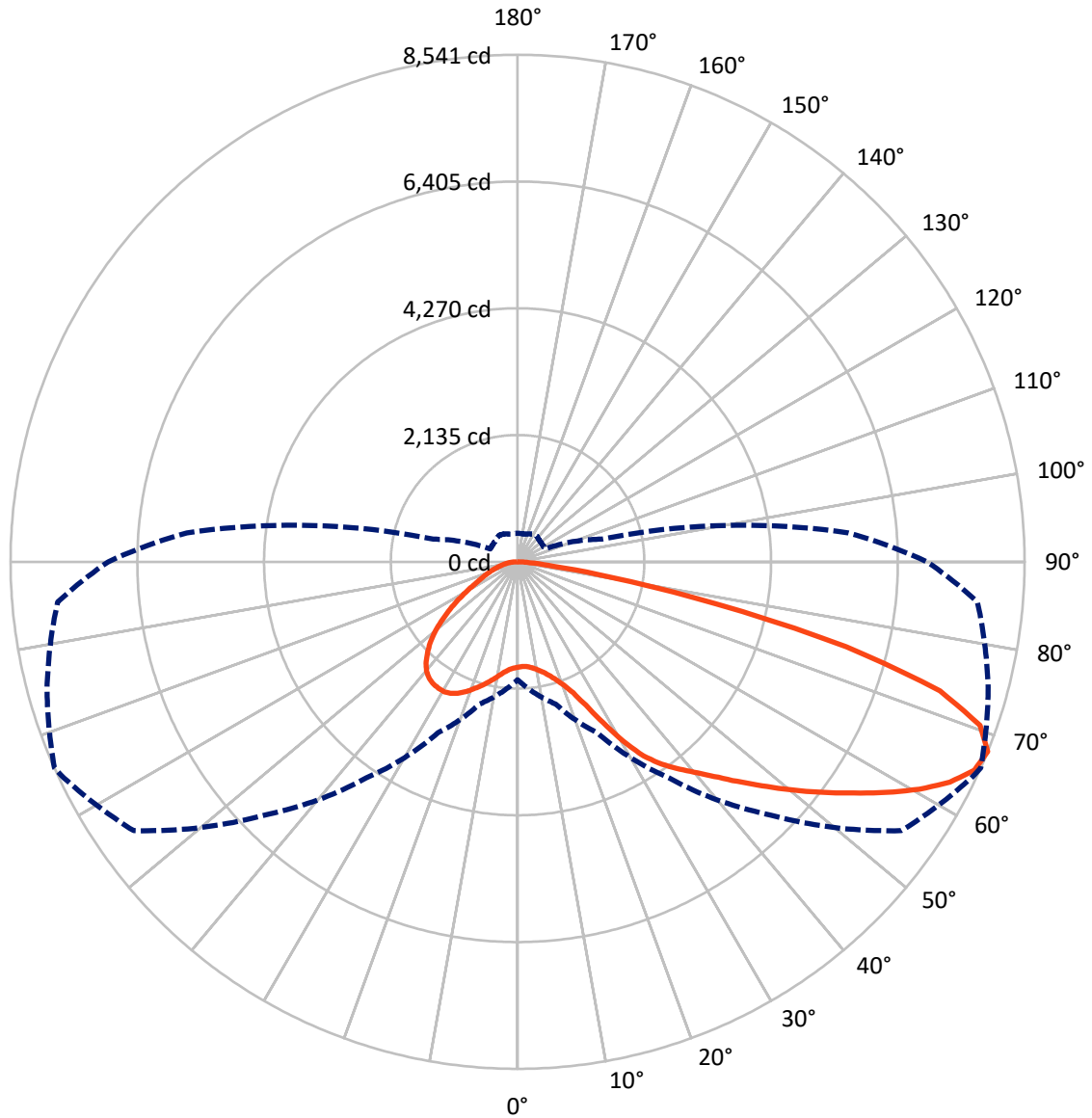
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - N/A

REPORT NUMBER: P847838  
CATALOG NUMBER: GLAN-SB4A-840-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P847838  
 CATALOG NUMBER: GLAN-SB4A-840-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3978.1	0.0	3978.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	12020.9	0.0	12020.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	15999.0	0.0	15999.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.9	1.1
10°-20°	581.3	3.6
20°-30°	1120.4	7.0
30°-40°	1964.4	12.3
40°-50°	2920.4	18.3
50°-60°	3701.9	23.1
60°-70°	3622.2	22.6
70°-80°	1727.8	10.8
80°-90°	184.7	1.2
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°	15999.0	100.0
0°-180°	15999.0	100.0

**Coefficient of Utilization**



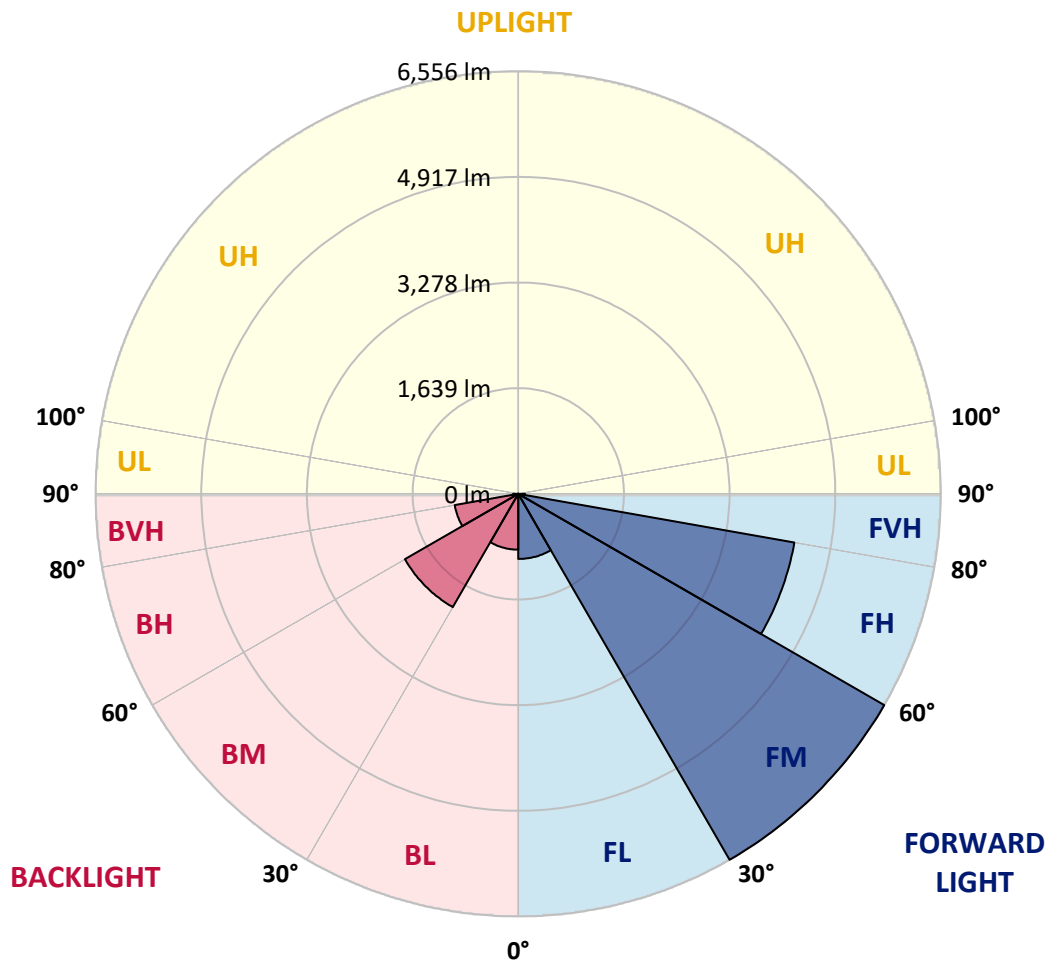
REPORT NUMBER: P847838  
 CATALOG NUMBER: GLAN-SB4A-840-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1011.0	6.3			
FM (30°-60°)	6556.3	41.0			
FH (60°-80°)	4349.0	27.2			G2/5000
FVH (80°-90°)	104.7	0.7			G2/225
BL (0°-30°)	866.6	5.4	B2/1000		
BM (30°-60°)	2030.5	12.7	B2/2500		
BH (60°-80°)	1001.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	80.0	0.5			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 III Short



REPORT NUMBER: P847838  
 CATALOG NUMBER: GLAN-SB4A-840-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5
2.5°	1756.0	1766.1	1763.6	1759.4	1758.5	1760.2	1762.7	1765.3	1764.4	1768.6
5°	1751.0	1761.1	1760.2	1760.2	1763.6	1770.3	1774.5	1778.7	1774.5	1779.5
7.5°	1754.3	1761.9	1765.3	1768.6	1777.0	1789.6	1799.7	1809.0	1803.9	1809.8
10°	1797.2	1803.1	1806.4	1806.4	1812.3	1826.6	1836.7	1853.5	1849.3	1858.6
12.5°	1875.4	1881.3	1881.3	1877.9	1882.1	1891.3	1894.7	1913.2	1905.6	1920.8
15°	1971.2	1983.0	1973.7	1967.8	1969.5	1978.8	1977.9	1992.2	1984.6	1997.3
17.5°	2077.1	2092.2	2077.1	2076.3	2072.9	2083.0	2083.8	2096.4	2083.0	2092.2
20°	2202.4	2223.4	2210.8	2215.0	2207.4	2211.6	2215.8	2234.3	2213.3	2220.0
22.5°	2378.9	2404.1	2390.7	2406.6	2401.6	2398.2	2397.4	2430.2	2397.4	2399.9
25°	2636.1	2666.4	2642.8	2664.7	2664.7	2675.6	2688.2	2730.3	2675.6	2659.6
27.5°	3016.1	3046.3	3000.1	3013.5	3009.3	3036.2	3022.8	3127.0	3068.2	3042.1
30°	3473.3	3527.1	3439.7	3436.4	3432.2	3475.0	3494.4	3563.3	3503.6	3477.6
32.5°	3967.6	4023.9	3919.7	3889.4	3873.5	3899.5	3883.6	3939.0	3897.8	3857.5
35°	4490.5	4545.9	4446.8	4387.9	4324.0	4269.4	4212.2	4226.5	4187.9	4126.5
37.5°	4984.7	5086.5	4981.4	4918.3	4800.7	4693.9	4534.2	4467.8	4431.6	4375.3
40°	5488.3	5546.3	5466.4	5412.6	5284.8	5117.6	4862.0	4721.6	4672.9	4618.2
42.5°	5859.0	5914.4	5871.6	5834.6	5734.6	5540.4	5210.0	5034.3	4963.7	4902.4
45°	6153.2	6194.4	6167.5	6180.9	6138.0	5949.7	5570.6	5369.7	5296.6	5221.8
47.5°	6271.7	6315.4	6358.3	6438.1	6511.3	6372.6	5958.2	5732.9	5655.5	5579.0
50°	6258.2	6302.8	6427.2	6597.0	6824.0	6777.7	6366.7	6119.5	6048.1	5960.7
52.5°	6150.6	6201.1	6360.8	6643.2	7004.7	7081.2	6782.8	6518.8	6451.6	6347.3
55°	5868.2	5898.5	6138.0	6538.2	7047.6	7293.0	7190.5	6944.2	6876.9	6731.5
57.5°	5344.5	5388.2	5737.1	6254.9	6940.0	7436.8	7548.6	7391.4	7326.6	7117.3
60°	4661.1	4730.9	5130.2	5779.1	6665.9	7435.9	7873.9	7831.0	7777.2	7497.3
62.5°	3887.8	3968.5	4352.6	5106.6	6186.8	7224.9	8077.3	8199.2	8171.4	7847.8
65°	2985.8	3041.3	3423.8	4236.6	5441.2	6771.9	8100.8	8450.5	8455.6	8114.3
67.5°	1988.0	2147.7	2479.8	3179.1	4442.6	6031.3	7894.0	8491.7	8540.5	8205.9
70°	970.0	1180.2	1505.5	2066.2	3179.1	4895.6	7353.5	8153.8	8262.2	7938.6
72.5°	402.6	470.7	648.1	1019.6	1824.9	3303.5	6267.5	7237.5	7438.4	7034.1
75°	271.5	294.2	370.7	522.9	831.4	1629.1	4519.9	5396.6	5720.3	5312.6
77.5°	209.3	223.6	269.8	365.7	494.3	616.2	2419.2	3252.3	3419.5	3165.7
80°	164.8	175.7	201.7	266.5	350.5	329.5	824.6	1473.6	1570.2	1317.2
82.5°	142.9	147.1	144.6	180.7	232.8	192.5	270.7	543.9	600.2	435.4
85°	103.4	115.2	120.2	111.8	123.6	97.5	111.0	192.5	211.8	189.1
87.5°	42.0	62.2	76.5	72.3	45.4	27.7	34.5	56.3	64.7	70.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847838  
 CATALOG NUMBER: GLAN-SB4A-840-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1774.5	0°	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5	1774.5
1775.3	2.5°	1776.2	1782.1	1786.3	1791.3	1794.7	1799.7	1809.8	1815.7	1816.5	1820.7
1788.8	5°	1792.2	1800.6	1809.8	1823.3	1838.4	1851.0	1870.3	1883.8	1888.8	1893.0
1821.6	7.5°	1826.6	1838.4	1855.2	1878.7	1900.6	1917.4	1940.9	1956.9	1972.9	1978.8
1873.7	10°	1877.9	1894.7	1919.1	1951.0	1974.6	1996.4	2020.8	2034.2	2050.2	2056.9
1935.9	12.5°	1941.8	1959.4	1991.4	2035.9	2057.8	2072.9	2081.3	2078.0	2081.3	2087.2
2010.7	15°	2014.9	2034.2	2070.4	2118.3	2133.4	2120.0	2101.5	2084.7	2082.2	2083.8
2101.5	17.5°	2101.5	2115.8	2157.8	2198.2	2187.2	2131.8	2091.4	2064.5	2051.1	2046.9
2217.5	20°	2222.5	2222.5	2257.0	2282.2	2209.1	2114.9	2051.9	2008.2	1980.4	1968.7
2375.5	22.5°	2369.6	2356.2	2378.0	2360.4	2204.9	2067.9	1980.4	1904.8	1862.8	1846.0
2596.6	25°	2556.3	2540.3	2534.4	2425.1	2174.6	1993.1	1851.0	1759.4	1722.4	1713.1
2915.2	27.5°	2837.9	2797.5	2721.0	2460.4	2119.1	1875.4	1699.7	1614.8	1593.8	1594.6
3324.6	30°	3212.8	3132.1	2944.6	2466.3	2028.4	1708.9	1545.0	1484.5	1474.4	1478.6
3668.4	32.5°	3559.9	3483.4	3173.3	2439.4	1888.8	1545.9	1406.3	1366.0	1350.8	1355.9
3930.6	35°	3832.3	3811.3	3385.1	2401.6	1717.3	1392.9	1281.9	1247.4	1218.0	1211.3
4177.8	37.5°	4089.5	4081.1	3544.0	2348.6	1547.5	1284.4	1181.9	1136.5	1093.6	1070.1
4451.0	40°	4371.9	4363.5	3648.2	2267.1	1397.1	1190.3	1091.9	1032.3	979.3	936.4
4760.3	42.5°	4689.7	4640.1	3697.8	2150.2	1269.3	1110.4	1018.8	938.1	868.3	828.8
5110.0	45°	5036.9	4925.1	3696.9	2001.5	1161.7	1037.3	940.6	826.3	761.6	724.6
5468.9	47.5°	5405.0	5197.4	3651.6	1836.7	1057.5	956.6	819.6	732.2	689.3	666.6
5859.0	50°	5785.0	5452.1	3574.2	1647.6	950.7	865.0	743.9	684.2	651.5	630.4
6245.6	52.5°	6142.2	5683.3	3480.9	1433.2	842.3	775.9	710.3	664.1	629.6	606.1
6620.5	55°	6474.3	5882.5	3348.9	1213.8	754.0	716.2	694.3	655.7	616.2	588.4
7001.3	57.5°	6769.3	6012.0	3121.1	1007.9	691.0	675.0	677.5	641.4	596.0	572.4
7376.2	60°	7014.8	6106.9	2784.1	817.1	639.7	634.7	651.5	614.5	561.5	534.6
7693.1	62.5°	7161.9	6105.3	2370.5	669.1	596.0	597.7	617.0	580.9	527.1	501.8
7858.7	65°	7149.3	5955.6	1916.6	572.4	554.0	555.6	580.9	543.9	498.5	483.3
7775.5	67.5°	6896.3	5590.8	1470.2	509.4	507.7	515.3	544.7	518.6	480.8	479.1
7279.6	70°	6211.2	4833.4	1059.2	459.0	459.8	470.7	509.4	502.7	471.6	474.9
6120.4	72.5°	4980.5	3685.2	711.1	406.0	406.8	424.5	475.8	490.1	462.3	506.9
4342.5	75°	3317.0	2298.2	457.3	349.7	350.5	373.2	446.4	465.7	437.1	505.2
2259.5	77.5°	1593.8	1033.1	331.2	294.2	294.2	315.2	385.8	416.9	372.4	392.6
726.3	80°	550.6	388.4	260.6	237.0	232.0	246.3	325.3	361.5	321.1	295.9
237.0	82.5°	216.9	201.7	209.3	184.1	167.3	176.5	253.0	298.4	236.2	213.5
133.7	85°	124.4	131.1	147.9	121.9	96.7	108.4	185.8	214.4	178.2	157.2
43.7	87.5°	33.6	46.2	68.1	63.0	43.7	46.2	88.3	118.5	102.6	79.0
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°
1774.5
1819.9
1892.2
1979.6
2060.3
2088.9
2089.7
2052.7
1966.2
1843.4
1714.8
1597.1
1492.9
1362.6
1216.3
1070.9
940.6
831.4
722.9
661.5
622.9
596.0
577.5
557.3
522.9
494.3
482.5
481.7
474.1
513.6
509.4
359.8
277.4
212.7
160.6
81.5
0.0

F REPORT)