

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: P846886

Luminaire Tested: **GLAN-SB2D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846886
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-SB2D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15768 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

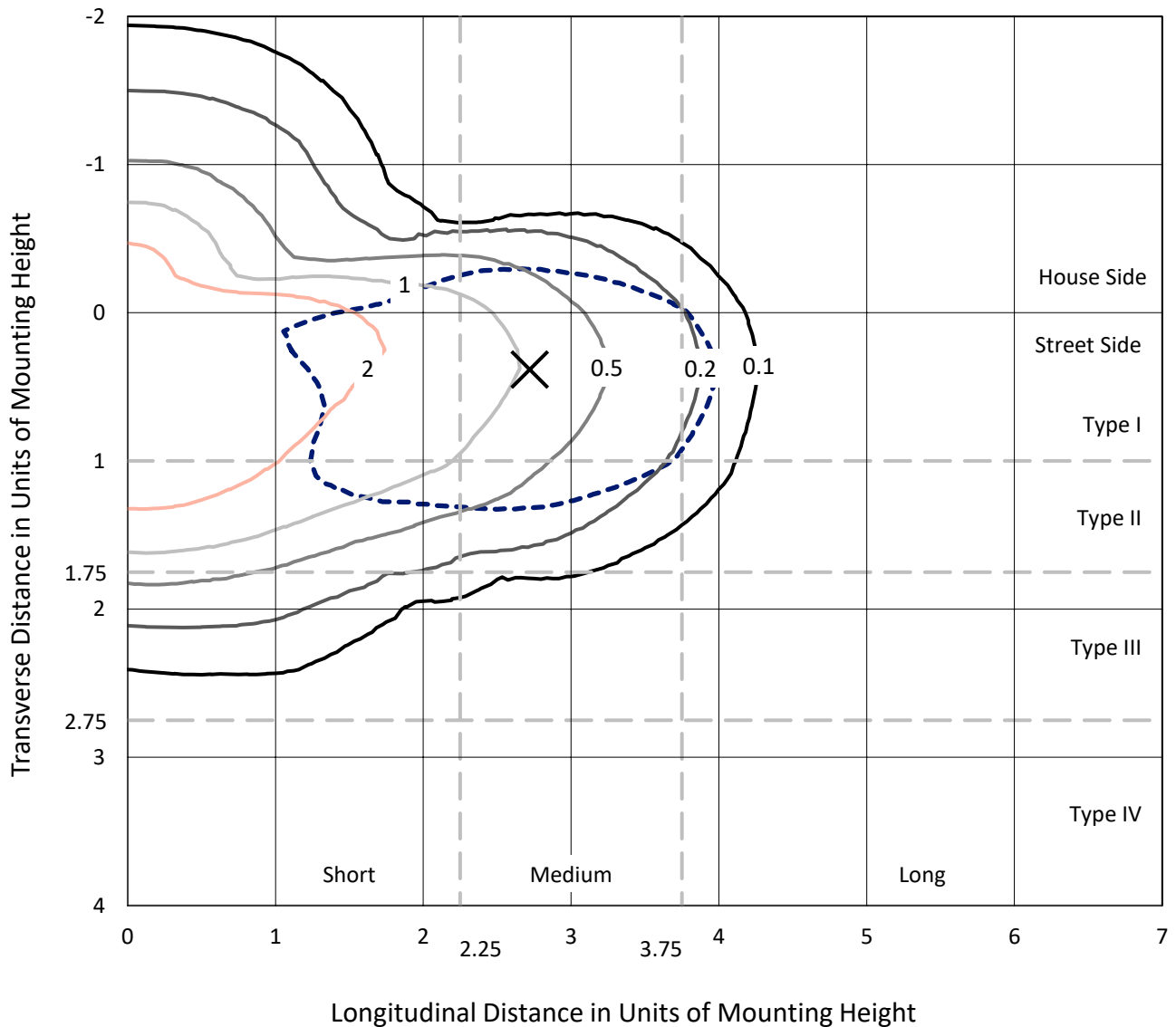
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846886
 CATALOG NUMBER: GLAN-SB2D-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

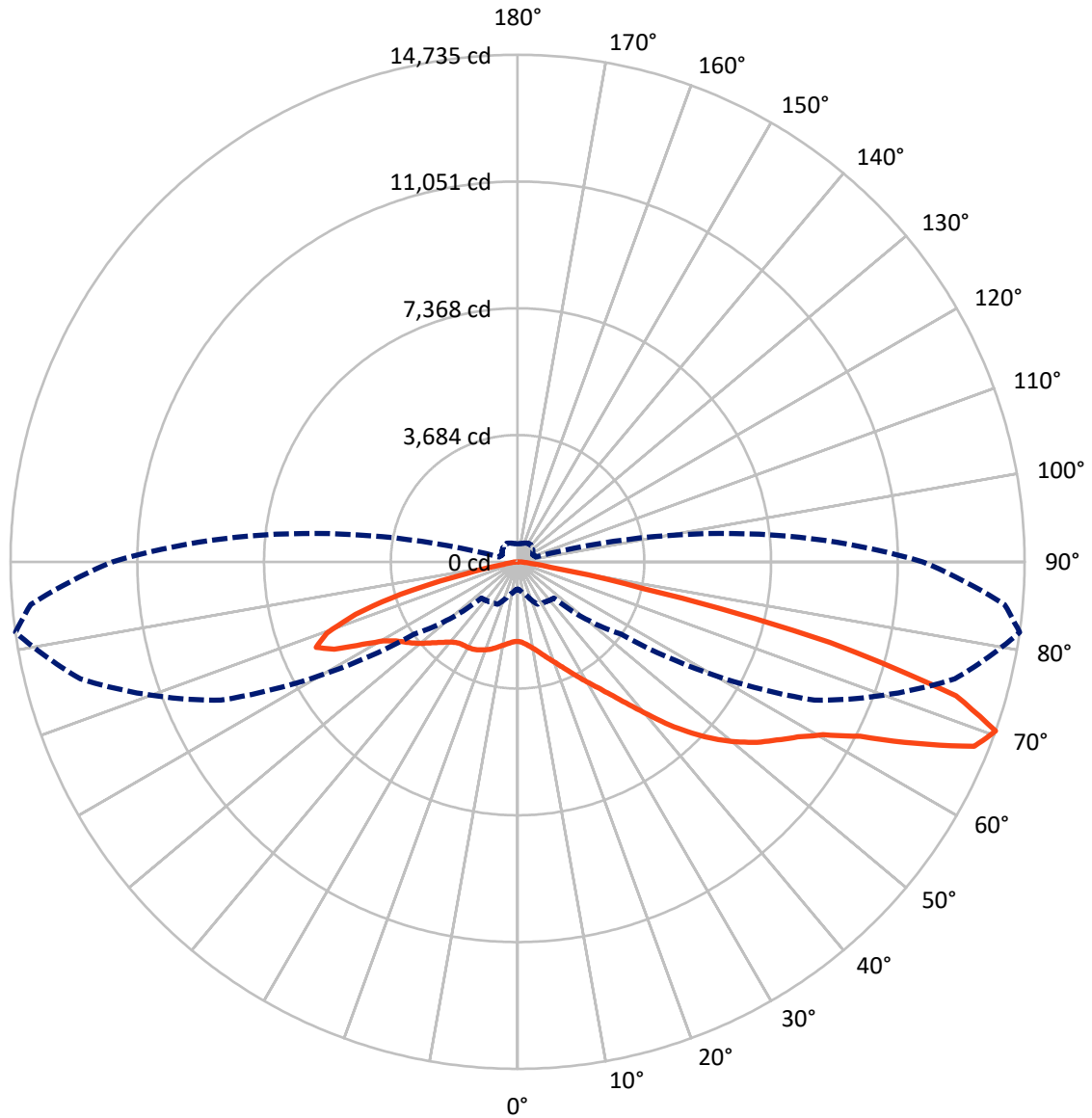
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P846886
CATALOG NUMBER: GLAN-SB2D-722-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846886
 CATALOG NUMBER: GLAN-SB2D-722-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3887.2	0.0	3887.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11880.8	0.0	11880.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	15768.0	0.0	15768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.4
10°-20°	627.1	4.0
20°-30°	1049.1	6.7
30°-40°	1639.0	10.4
40°-50°	2610.2	16.6
50°-60°	3632.5	23.0
60°-70°	3799.7	24.1
70°-80°	1985.9	12.6
80°-90°	206.2	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°	15768.0	100.0
0°-180°	15768.0	100.0

Coefficient of Utilization

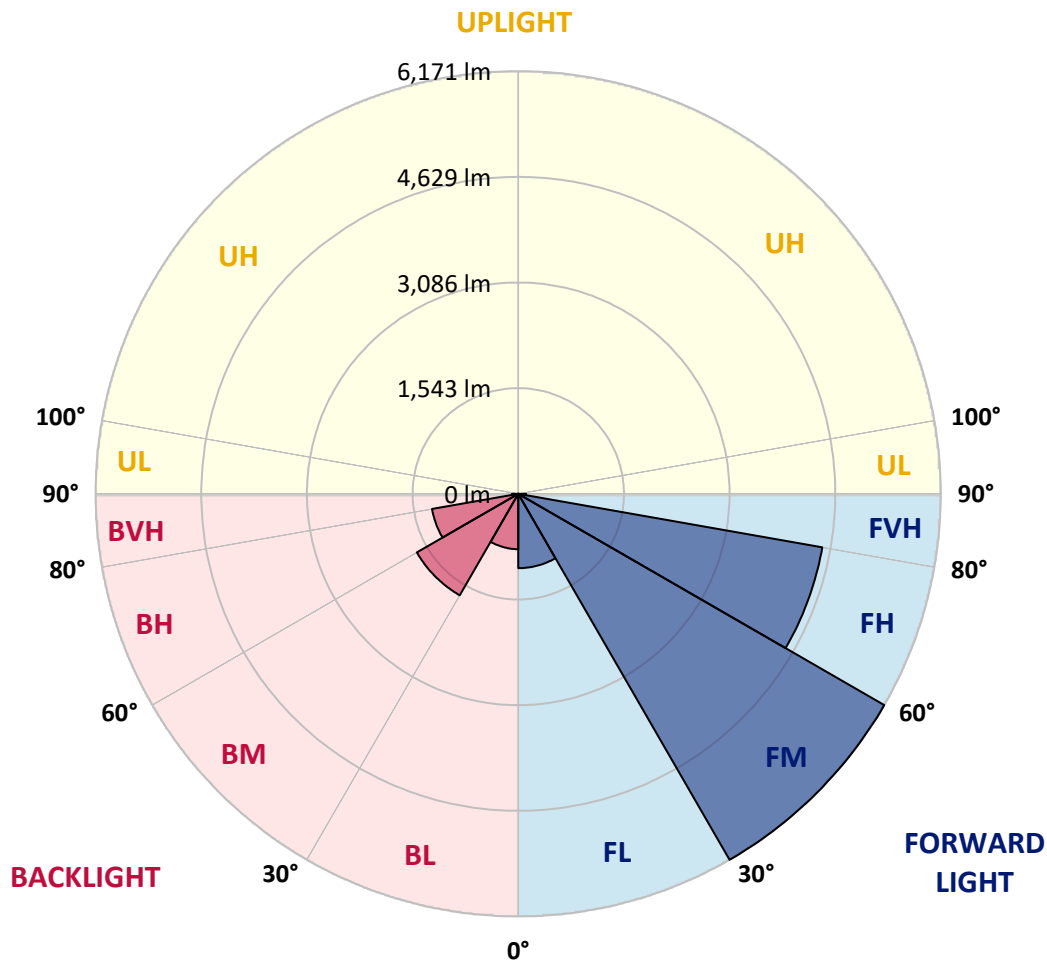


REPORT NUMBER: P846886
 CATALOG NUMBER: GLAN-SB2D-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1085.8	6.9			
FM (30°-60°)	6171.4	39.1			
FH (60°-80°)	4508.1	28.6			G2/5000
FVH (80°-90°)	115.4	0.7			G2/225
BL (0°-30°)	808.7	5.1	B2/1000		
BM (30°-60°)	1710.2	10.8	B2/2500		
BH (60°-80°)	1277.5	8.1	B3/2500		G3/2500
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: B3-U0-G3
 Type II Medium



REPORT NUMBER: P846886
 CATALOG NUMBER: GLAN-SB2D-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8
2.5°	2367.0	2380.4	2376.2	2372.0	2372.0	2366.2	2365.3	2357.0	2350.3	2339.4
5°	2397.1	2411.4	2409.7	2413.0	2423.9	2426.4	2428.9	2423.9	2410.5	2397.1
7.5°	2370.4	2386.3	2391.3	2411.4	2444.8	2474.9	2497.5	2506.7	2494.2	2474.9
10°	2280.0	2297.6	2315.1	2362.8	2422.2	2493.3	2553.6	2589.6	2587.1	2568.7
12.5°	2096.8	2115.2	2152.8	2245.7	2354.5	2480.0	2592.1	2667.4	2693.3	2679.9
15°	1950.3	1966.2	1994.7	2090.1	2231.5	2422.2	2606.3	2752.7	2818.8	2811.3
17.5°	1946.2	1952.8	1970.4	2015.6	2124.4	2331.9	2591.2	2836.4	2962.7	2961.9
20°	2019.8	2022.3	2032.3	2041.5	2103.4	2263.3	2552.8	2905.8	3124.2	3124.2
22.5°	2121.9	2120.2	2130.2	2121.9	2152.0	2257.4	2528.5	2966.9	3304.1	3317.5
25°	2275.0	2266.6	2264.1	2244.9	2250.7	2311.8	2555.3	3036.4	3517.5	3545.1
27.5°	2479.1	2465.7	2456.5	2412.2	2397.1	2423.9	2637.3	3120.0	3755.1	3802.8
30°	2745.2	2720.9	2707.5	2630.6	2576.2	2580.4	2761.1	3231.3	4003.6	4080.6
32.5°	3108.3	3070.7	3034.7	2908.3	2808.8	2776.2	2920.9	3385.3	4273.0	4396.0
35°	3515.0	3484.8	3446.3	3251.4	3098.3	3023.0	3136.8	3600.3	4588.4	4783.4
37.5°	3906.5	3880.6	3899.0	3636.3	3438.8	3329.2	3419.6	3889.0	4977.5	5265.3
40°	4311.5	4291.4	4293.9	4042.9	3812.8	3689.8	3762.6	4251.2	5423.5	5838.5
42.5°	4751.6	4736.5	4686.3	4463.8	4205.2	4090.6	4157.5	4669.6	5902.0	6491.1
45°	5244.4	5235.2	5188.3	4933.1	4637.0	4508.1	4598.5	5131.4	6383.1	7105.2
47.5°	5670.3	5677.8	5671.9	5456.9	5149.9	4960.8	5068.7	5613.4	6830.8	7682.5
50°	5875.3	5914.6	5972.3	5905.4	5714.6	5522.2	5543.1	6078.6	7257.5	8223.9
52.5°	5768.2	5842.6	5999.9	6107.0	6180.7	6140.5	6084.4	6540.4	7659.1	8712.5
55°	5369.1	5473.7	5734.7	5993.2	6368.9	6660.9	6734.6	7052.5	8050.7	9142.6
57.5°	4642.0	4811.8	5046.1	5569.0	6201.6	6912.8	7492.6	7762.8	8465.7	9601.9
60°	3395.3	3622.9	3914.1	4692.2	5615.9	6778.1	8137.7	8853.9	9055.5	10196.8
62.5°	2172.9	2313.5	2581.2	3314.1	4375.9	6087.8	8335.1	10217.7	10055.4	11172.4
65°	1487.6	1578.0	1823.2	2234.8	2828.9	4531.5	7806.4	11240.1	11643.4	12718.6
67.5°	1081.0	1149.6	1358.8	1719.4	1843.2	2681.6	6057.7	11193.3	13187.1	14311.7
70°	788.2	836.7	1012.4	1358.8	1418.2	1491.8	3669.7	9514.9	13153.7	14735.0
72.5°	584.0	617.5	735.5	1054.2	1147.9	1007.4	1816.5	6915.3	11302.9	13327.7
75°	422.5	447.6	534.6	806.6	918.7	767.2	906.1	4041.2	7884.2	9375.2
77.5°	323.0	342.2	399.1	590.7	735.5	575.6	562.3	1859.1	3738.3	3756.8
80°	259.4	271.9	302.9	415.8	563.9	430.9	366.5	750.5	1181.4	999.8
82.5°	190.8	211.7	256.0	292.0	403.3	297.0	223.4	379.0	449.3	386.6
85°	108.8	123.0	154.8	209.2	257.7	181.6	128.0	168.2	209.2	171.5
87.5°	38.5	50.2	54.4	82.0	112.1	75.3	49.4	48.5	68.6	51.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846886
 CATALOG NUMBER: GLAN-SB2D-722-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2311.8	0°	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8
2336.9	2.5°	2328.5	2324.3	2307.6	2285.0	2261.6	2239.0	2231.5	2215.6	2204.7	2198.8
2391.3	5°	2375.4	2362.0	2322.7	2272.5	2219.7	2162.9	2122.7	2085.9	2059.1	2034.0
2465.7	7.5°	2442.3	2418.9	2351.1	2263.3	2169.5	2075.0	2004.7	1951.2	1915.2	1891.8
2552.8	10°	2520.1	2484.1	2380.4	2249.0	2104.3	1968.7	1885.9	1839.9	1817.3	1804.7
2652.3	12.5°	2609.6	2558.6	2410.5	2216.4	2004.7	1849.9	1793.0	1779.6	1780.5	1781.3
2777.8	15°	2720.1	2649.0	2434.8	2145.3	1875.0	1758.7	1748.7	1770.4	1793.0	1803.9
2920.1	17.5°	2844.8	2744.4	2439.0	2028.1	1747.9	1700.2	1732.0	1778.8	1813.1	1828.2
3079.0	20°	2978.6	2841.4	2408.8	1862.5	1643.3	1652.5	1709.4	1769.6	1807.3	1826.5
3260.6	22.5°	3131.7	2945.2	2336.9	1688.4	1557.9	1600.6	1667.5	1726.1	1765.4	1784.7
3474.0	25°	3306.6	3061.5	2223.9	1542.0	1484.3	1542.0	1609.0	1657.5	1689.3	1706.9
3712.4	27.5°	3500.7	3182.8	2073.3	1425.7	1419.9	1481.8	1537.0	1574.7	1591.4	1604.8
3965.9	30°	3695.7	3293.2	1890.9	1337.9	1363.8	1422.4	1461.7	1478.4	1483.5	1486.0
4248.7	32.5°	3906.5	3388.6	1699.3	1265.1	1310.3	1364.6	1388.1	1395.6	1372.2	1356.3
4591.8	35°	4161.7	3490.7	1511.9	1207.3	1257.6	1304.4	1311.9	1305.2	1277.6	1245.0
5021.8	37.5°	4477.2	3617.9	1362.1	1166.4	1208.2	1239.1	1229.9	1228.3	1230.8	1192.3
5538.9	40°	4863.7	3783.5	1252.5	1134.6	1168.0	1174.7	1148.8	1163.0	1175.6	1117.0
6106.2	42.5°	5292.9	3983.5	1183.1	1112.8	1134.6	1118.7	1078.5	1094.4	1092.7	1015.7
6676.0	45°	5730.5	4201.0	1158.8	1096.9	1103.6	1071.8	1027.5	1031.6	996.5	927.1
7222.3	47.5°	6165.6	4434.5	1173.9	1083.5	1065.1	1029.1	994.8	976.4	924.5	872.7
7746.1	50°	6592.3	4679.6	1229.1	1056.7	1012.4	991.5	966.4	933.8	878.5	834.2
8241.4	52.5°	6988.1	4926.5	1291.0	1012.4	946.3	958.9	943.0	905.3	850.9	805.7
8710.0	55°	7362.9	5173.3	1315.3	951.3	884.4	930.4	921.2	851.8	786.5	749.7
9200.3	57.5°	7771.2	5470.3	1288.5	873.5	834.2	897.8	862.6	785.7	748.0	720.4
9838.7	60°	8336.8	5936.3	1230.8	777.3	786.5	849.2	789.0	757.2	716.2	685.3
10795.9	62.5°	9276.4	6805.7	1137.9	681.9	730.4	777.3	753.9	722.1	680.2	650.1
12432.4	65°	10665.3	8013.9	963.0	607.4	667.7	707.0	716.2	684.4	640.9	609.1
13866.5	67.5°	11836.7	8771.9	728.8	545.5	603.3	650.1	676.0	645.1	599.1	568.1
14202.0	70°	11772.3	8221.4	556.4	484.4	546.4	594.1	627.5	603.3	553.9	524.6
12900.2	72.5°	10456.2	6877.6	450.1	422.5	488.6	535.5	575.6	557.2	507.0	478.6
9450.5	75°	7681.7	4882.1	359.8	359.8	416.7	474.4	518.8	507.0	461.0	440.9
3967.6	77.5°	3238.0	2048.2	282.0	298.7	346.4	407.5	462.7	466.9	426.7	451.8
1049.2	80°	861.0	564.8	215.0	235.1	271.9	336.4	402.4	400.8	357.3	333.8
389.9	82.5°	328.0	222.6	153.1	165.7	196.6	257.7	318.8	328.8	285.3	246.8
153.1	85°	126.3	95.4	94.5	99.6	114.6	170.7	241.0	249.3	215.0	182.4
42.7	87.5°	32.6	28.4	35.1	33.5	52.7	91.2	138.1	143.1	131.4	76.1
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°
2311.8
2205.5
2044.0
1896.8
1808.1
1783.0
1803.1
1831.5
1831.5
1789.7
1711.9
1609.8
1491.8
1361.3
1246.7
1194.8
1118.7
1014.9
929.6
872.7
830.8
806.6
746.3
717.9
683.6
650.1
610.8
569.0
527.1
478.6
435.1
410.0
310.4
246.8
188.3
108.8
0.0

F REPORT)