

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: P848413

Luminaire Tested: **GLAN-SB5A-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17565 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

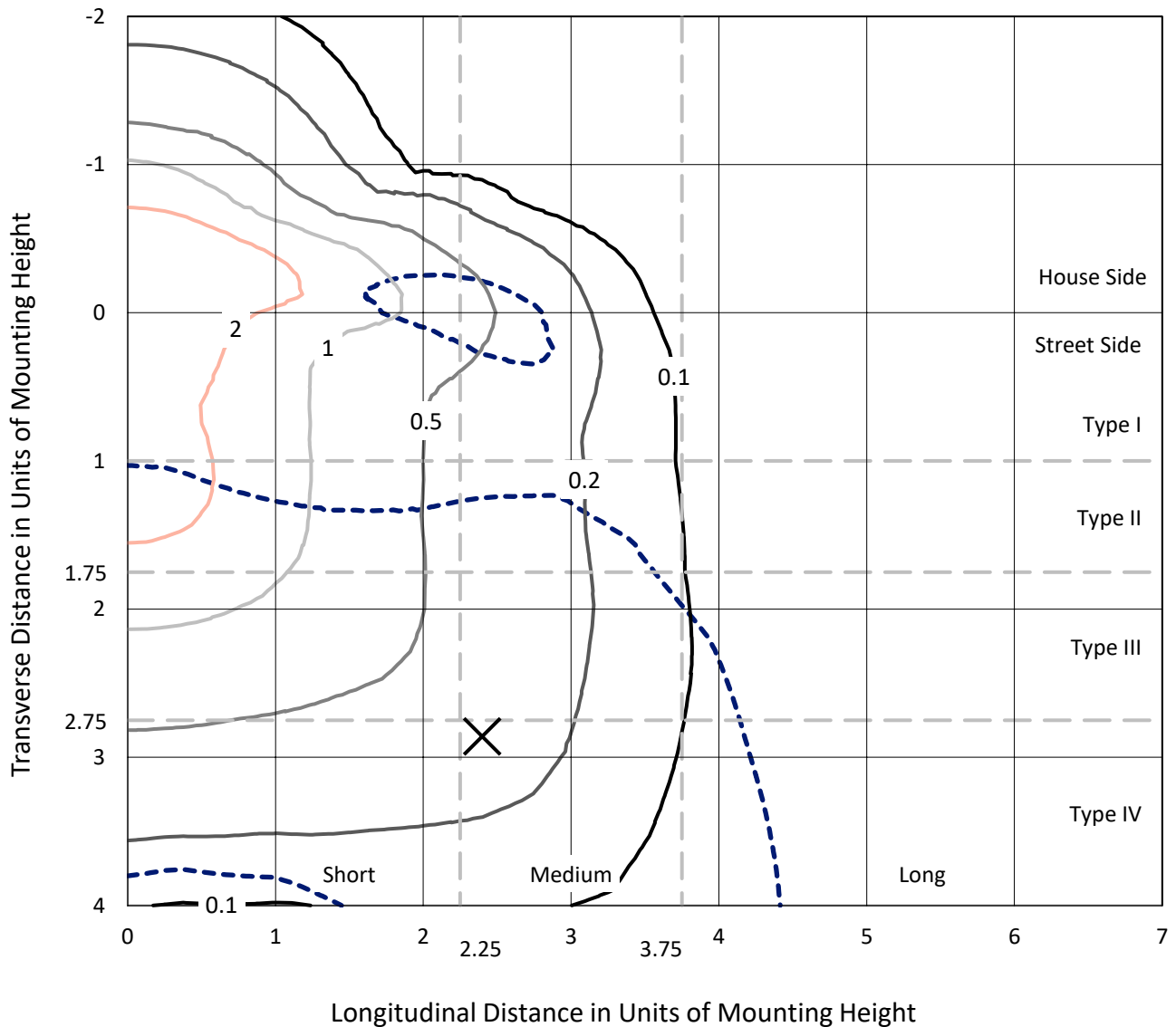
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848413
 CATALOG NUMBER: GLAN-SB5A-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

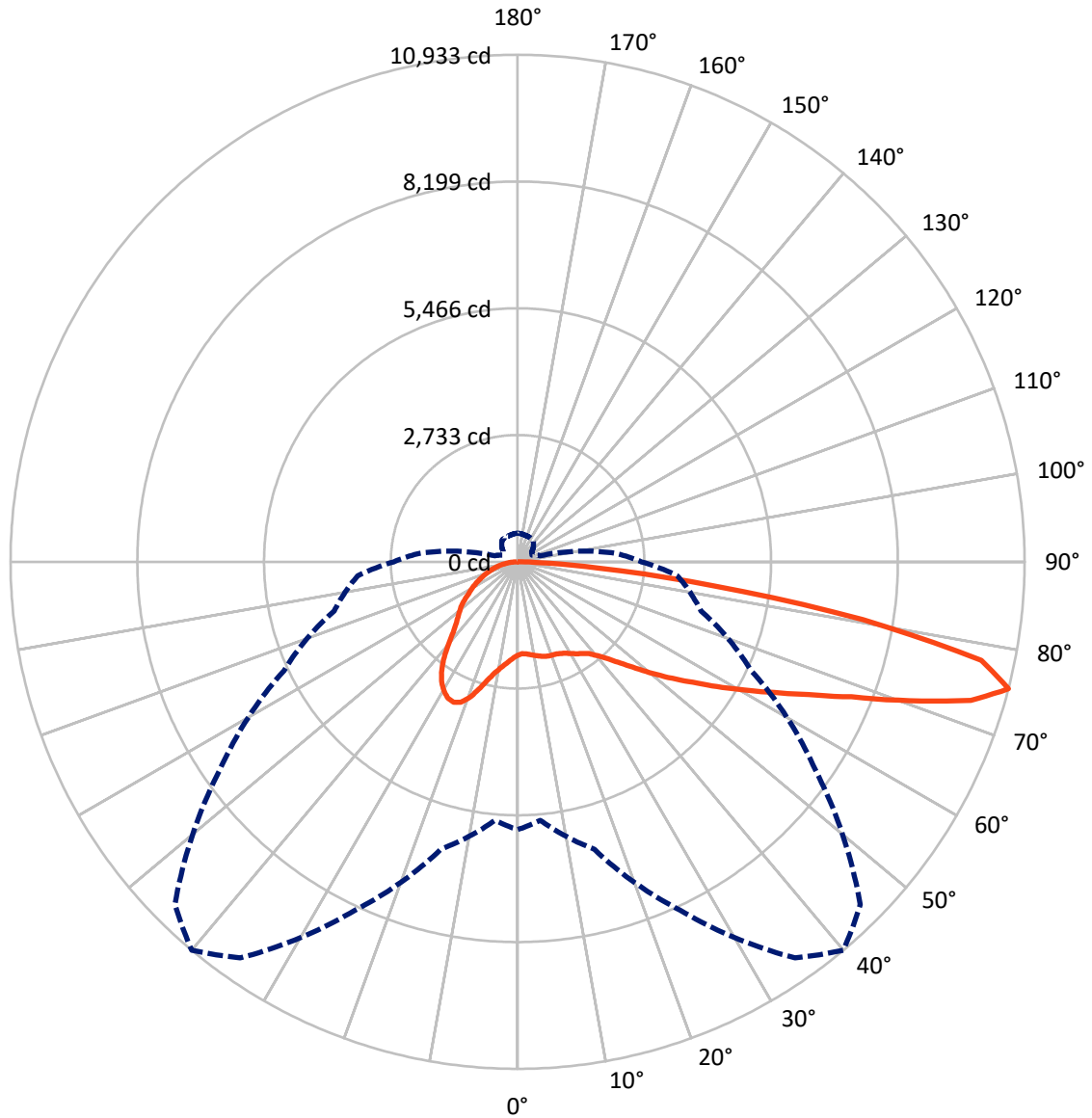
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P848413
CATALOG NUMBER: GLAN-SB5A-722-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P848413
 CATALOG NUMBER: GLAN-SB5A-722-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5442.2	0.0	5442.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12122.8	0.0	12122.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	17565.0	0.0	17565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	1.1
10°-20°	673.2	3.8
20°-30°	1229.1	7.0
30°-40°	1743.2	9.9
40°-50°	2353.9	13.4
50°-60°	3166.6	18.0
60°-70°	4019.2	22.9
70°-80°	3647.6	20.8
80°-90°	531.7	3.0
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°	17565.0	100.0
0°-180°	17565.0	100.0

Coefficient of Utilization

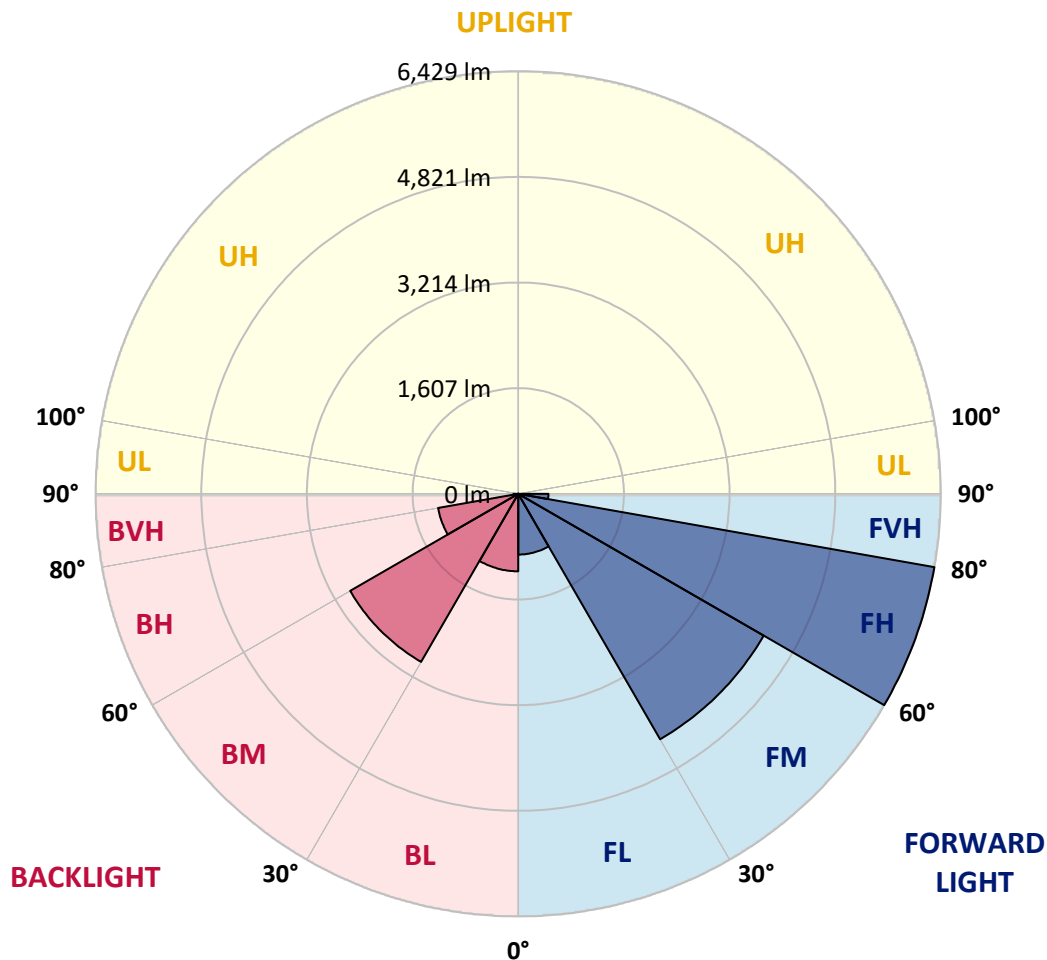


REPORT NUMBER: P848413
 CATALOG NUMBER: GLAN-SB5A-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.9	5.3			
FM (30°-60°)	4311.8	24.5			
FH (60°-80°)	6428.5	36.6			G3/7500
FVH (80°-90°)	458.5	2.6			G3/500
BL (0°-30°)	1178.8	6.7	B3/2500		
BM (30°-60°)	2951.9	16.8	B3/5000		
BH (60°-80°)	1238.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	73.2	0.4			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 IV Medium



REPORT NUMBER: P848413
 CATALOG NUMBER: GLAN-SB5A-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6
2.5°	1977.8	1989.0	1986.2	1982.5	1982.5	1983.4	1982.5	1989.0	1995.5	2002.1
5°	1998.3	2009.5	2003.9	1999.3	1995.5	1994.6	1991.8	1990.9	1994.6	2003.0
7.5°	2038.4	2049.6	2041.2	2032.8	2025.4	2021.6	2017.9	2012.3	2009.5	2014.2
10°	2083.1	2094.3	2084.0	2069.1	2057.0	2052.4	2048.6	2043.1	2039.3	2042.1
12.5°	2127.8	2139.0	2125.0	2104.5	2088.7	2085.9	2081.2	2079.4	2078.5	2077.5
15°	2169.8	2179.1	2161.4	2137.1	2120.4	2115.7	2111.1	2113.9	2118.5	2124.1
17.5°	2202.4	2211.7	2185.6	2153.9	2138.1	2136.2	2133.4	2142.7	2155.8	2169.8
20°	2232.2	2241.5	2207.9	2165.1	2146.5	2146.5	2147.4	2167.0	2185.6	2206.1
22.5°	2274.1	2281.5	2240.6	2181.9	2154.8	2156.7	2164.2	2183.7	2207.0	2235.0
25°	2336.5	2342.1	2291.8	2213.5	2182.8	2188.4	2194.9	2204.2	2226.6	2259.2
27.5°	2437.1	2441.8	2375.6	2269.4	2222.9	2232.2	2241.5	2235.0	2245.2	2273.2
30°	2578.7	2581.5	2497.7	2357.0	2290.9	2295.5	2297.4	2270.4	2250.8	2273.2
32.5°	2746.4	2745.5	2645.8	2463.2	2368.2	2363.5	2347.7	2294.6	2248.9	2268.5
35°	3006.4	2996.1	2867.5	2612.3	2455.8	2426.9	2389.6	2321.6	2258.3	2263.8
37.5°	3436.8	3405.1	3227.1	2856.4	2586.2	2512.6	2457.6	2365.4	2278.8	2262.0
40°	3922.1	3882.1	3686.4	3190.8	2781.8	2663.5	2575.0	2427.8	2312.3	2270.4
42.5°	4497.9	4441.1	4230.5	3584.9	3029.6	2858.2	2725.0	2507.0	2361.7	2297.4
45°	5205.0	5129.5	4831.4	4029.3	3341.7	3113.5	2935.5	2627.2	2437.1	2349.6
47.5°	5919.5	5938.2	5514.3	4537.9	3716.2	3428.4	3199.2	2807.9	2547.1	2433.4
50°	6678.8	6691.9	6193.4	5101.6	4141.1	3784.3	3495.5	3010.1	2699.8	2552.6
52.5°	7271.3	7273.2	6810.2	5691.3	4583.6	4175.5	3815.0	3241.1	2876.9	2711.0
55°	7642.1	7637.5	7242.4	6249.3	5092.3	4586.4	4169.0	3503.8	3093.0	2897.4
57.5°	7911.4	7897.4	7540.6	6729.1	5634.5	5071.8	4569.6	3802.0	3348.3	3119.1
60°	8013.8	8005.4	7742.7	7143.7	6204.6	5608.4	5031.7	4135.5	3638.0	3380.9
62.5°	8053.0	8068.8	7941.2	7545.2	6814.8	6202.8	5539.4	4534.2	3964.1	3677.1
65°	8190.8	8219.7	8193.6	8070.7	7504.2	6898.7	6213.0	5008.4	4319.9	3994.8
67.5°	8463.8	8492.7	8503.9	8699.5	8346.4	7766.0	7053.3	5599.1	4736.4	4324.6
70°	8457.3	8448.9	8646.4	9199.8	9401.0	8966.9	8186.2	6325.7	5232.9	4598.5
72.5°	7698.0	7630.9	8097.7	9194.2	10278.6	10220.8	9569.6	7262.9	5661.5	4632.0
75°	5775.1	5596.3	6420.8	8285.9	10424.9	10932.6	10449.1	7844.3	5559.9	4092.6
77.5°	2469.7	2289.9	3261.6	6133.8	9330.2	10219.9	9642.3	6843.7	4438.3	2706.4
80°	646.5	645.6	985.7	2780.9	6345.3	7547.1	6621.1	4419.6	2535.9	967.0
82.5°	267.4	260.9	362.4	1081.6	3100.4	4235.2	3456.3	1971.3	915.8	261.8
85°	99.7	98.8	176.1	373.6	1093.7	1746.8	1264.2	504.0	228.2	127.6
87.5°	27.9	27.0	38.2	129.5	266.4	404.3	216.1	82.9	64.3	50.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848413
 CATALOG NUMBER: GLAN-SB5A-722-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2008.6	0°	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6
2012.3	2.5°	2015.1	2019.8	2028.1	2034.7	2043.1	2052.4	2065.4	2073.8	2082.2	2087.8
2017.0	5°	2023.5	2033.7	2055.2	2076.6	2101.7	2125.0	2152.1	2171.6	2187.5	2192.1
2033.7	7.5°	2042.1	2058.9	2095.2	2131.6	2171.6	2209.8	2248.9	2282.5	2309.5	2319.7
2063.5	10°	2074.7	2097.1	2148.3	2199.6	2252.7	2311.4	2361.7	2410.1	2448.3	2464.1
2098.9	12.5°	2115.7	2143.7	2210.7	2281.5	2355.1	2436.2	2501.4	2561.0	2608.5	2630.0
2148.3	15°	2168.8	2205.2	2290.9	2385.9	2494.0	2606.7	2689.6	2755.7	2808.8	2834.9
2199.6	17.5°	2226.6	2275.0	2383.1	2526.6	2681.2	2829.3	2926.2	2974.7	3029.6	3054.8
2247.1	20°	2282.5	2342.1	2496.8	2705.4	2911.3	3068.8	3147.0	3160.1	3163.8	3166.6
2291.8	22.5°	2340.2	2420.4	2639.3	2930.9	3151.7	3260.7	3271.9	3216.0	3137.7	3101.4
2335.6	25°	2403.6	2509.8	2825.6	3179.6	3358.5	3371.5	3285.8	3149.8	3001.7	2933.7
2371.0	27.5°	2465.1	2613.2	3049.2	3417.2	3507.6	3393.0	3208.5	3015.7	2836.8	2765.1
2396.1	30°	2526.6	2731.5	3296.1	3624.9	3575.6	3339.9	3086.5	2871.3	2691.5	2616.0
2418.5	32.5°	2589.0	2869.4	3580.2	3774.9	3563.5	3227.1	2934.6	2709.2	2550.8	2471.6
2438.1	35°	2659.8	3039.0	3849.5	3856.9	3482.4	3061.3	2734.3	2515.4	2377.5	2314.2
2461.4	37.5°	2752.0	3254.2	4087.0	3877.4	3340.8	2818.2	2485.6	2286.2	2172.5	2143.7
2495.8	40°	2866.6	3513.2	4268.7	3844.8	3131.2	2522.8	2213.5	2054.2	1989.9	1996.5
2542.4	42.5°	3015.7	3802.9	4396.3	3761.0	2839.6	2218.2	1975.0	1904.2	1935.0	1961.1
2612.3	45°	3209.4	4103.8	4475.5	3618.4	2509.8	1960.1	1834.4	1851.1	1874.4	1877.2
2725.0	47.5°	3457.3	4408.4	4527.7	3403.2	2173.5	1778.5	1744.9	1748.7	1744.0	1724.4
2893.6	50°	3766.6	4704.7	4574.3	3118.1	1887.5	1664.8	1620.1	1607.1	1542.8	1479.4
3118.1	52.5°	4118.7	4976.7	4593.8	2764.1	1664.8	1569.8	1497.1	1415.1	1295.0	1275.4
3400.4	55°	4510.0	5228.3	4543.5	2329.1	1477.6	1447.7	1337.8	1239.1	1226.0	1209.2
3772.1	57.5°	4977.7	5499.4	4441.1	1843.7	1285.6	1305.2	1198.1	1209.2	1186.0	1159.9
4250.1	60°	5489.1	5779.8	4261.2	1401.2	1087.2	1127.3	1161.7	1160.8	1154.3	1132.9
4754.1	62.5°	5949.4	5964.3	3907.2	1073.2	913.0	989.4	1083.5	1082.5	1077.0	1064.8
5280.4	65°	6223.2	5936.3	3316.6	845.0	769.5	875.7	977.3	984.7	985.7	984.7
5676.4	67.5°	6174.8	5609.3	2506.1	672.6	651.2	760.2	872.0	882.2	889.7	891.6
5726.7	70°	5627.0	4891.0	1634.1	536.6	545.9	658.7	772.3	782.6	789.1	796.5
4969.3	72.5°	4386.1	3596.1	935.4	434.1	453.7	571.1	673.6	685.7	689.4	703.4
3458.2	75°	2672.8	2114.8	504.9	341.9	372.6	488.2	575.7	589.7	596.2	613.0
1698.4	77.5°	1270.7	915.8	287.9	266.4	300.0	398.7	486.3	502.1	484.4	493.8
468.6	80°	429.5	340.0	181.7	203.1	229.2	311.2	389.4	405.3	368.0	366.1
155.6	82.5°	150.0	137.9	115.5	135.1	148.1	222.7	294.4	314.9	273.9	273.0
69.9	85°	58.7	55.9	64.3	73.6	88.5	136.9	193.8	204.0	168.6	136.0
20.5	87.5°	12.1	13.0	15.8	16.8	27.0	47.5	69.9	85.7	68.0	57.8
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

<u>180°</u>
2008.6
2084.0
2194.0
2320.7
2465.1
2630.0
2833.1
3053.9
3174.0
3111.6
2943.9
2773.4
2624.4
2481.8
2328.1
2164.2
2018.8
1985.3
1895.9
1739.3
1487.8
1281.9
1212.0
1155.2
1125.4
1060.2
984.7
893.4
800.3
709.0
614.9
486.3
362.4
259.9
134.2
53.1
0.0

F REPORT)