

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: P847903

Luminaire Tested: **GLAN-SB4B-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847903  
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-SB4B-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17494 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

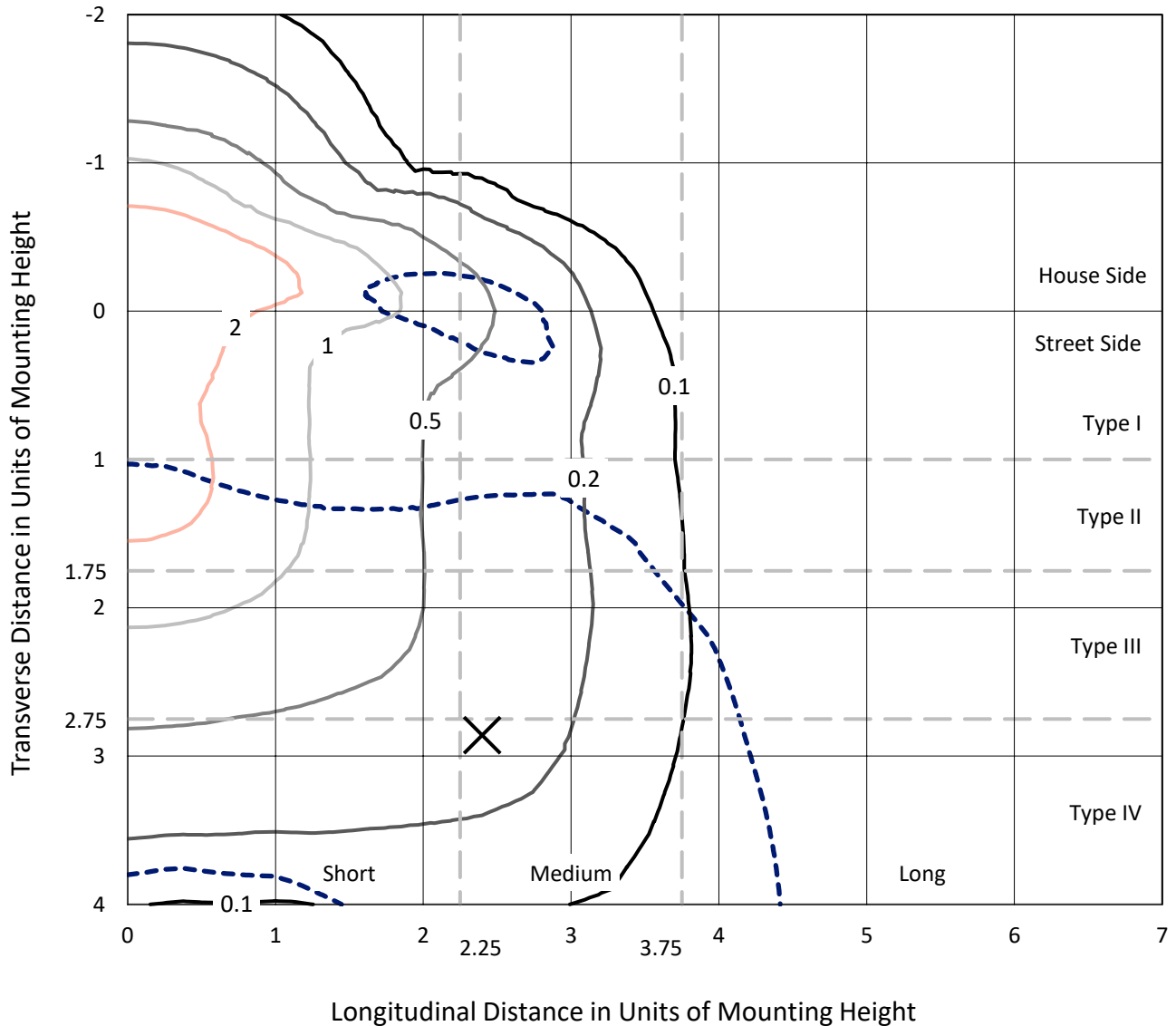
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847903  
 CATALOG NUMBER: GLAN-SB4B-722-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

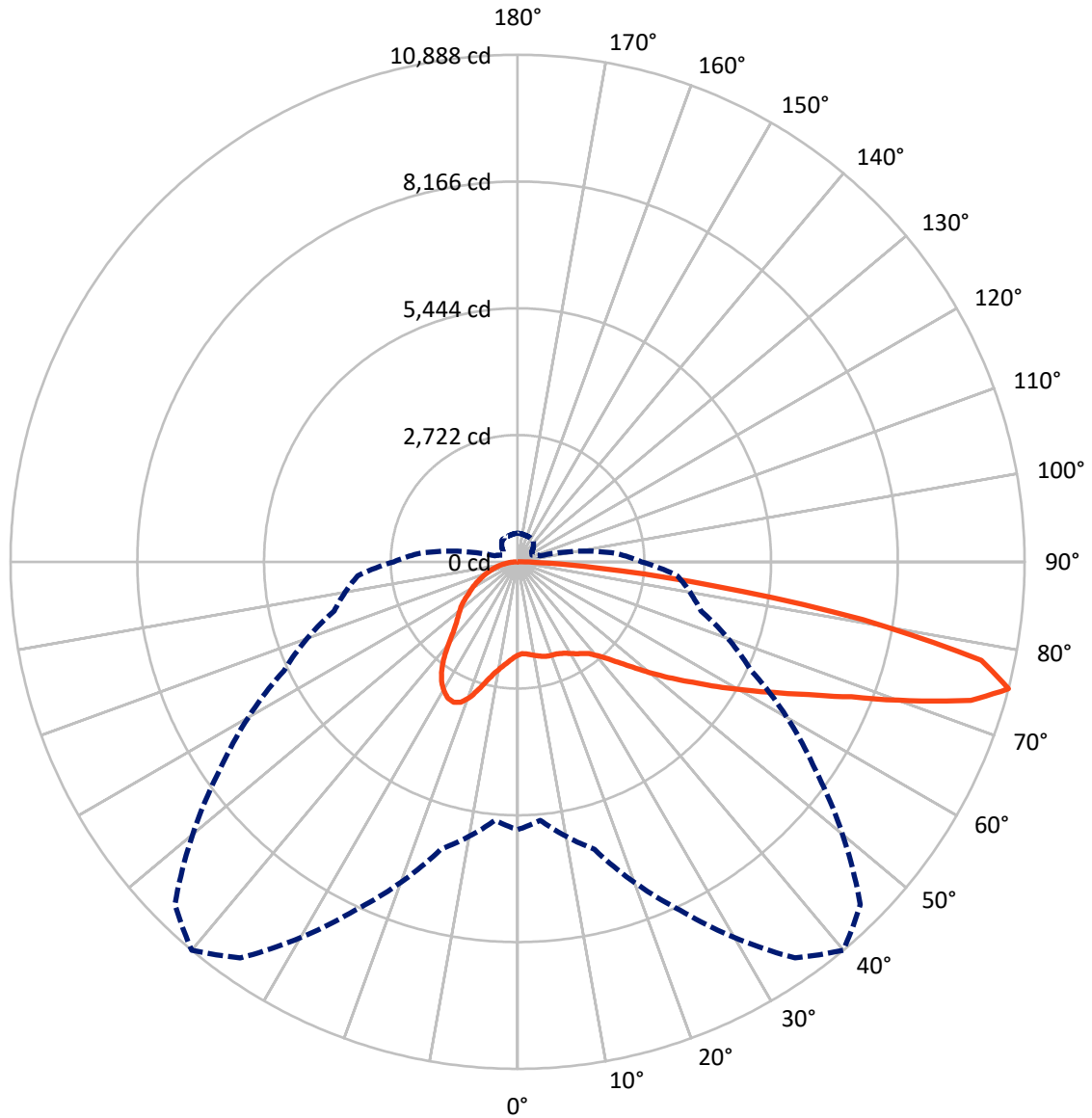
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P847903  
CATALOG NUMBER: GLAN-SB4B-722-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P847903  
 CATALOG NUMBER: GLAN-SB4B-722-U-SL4

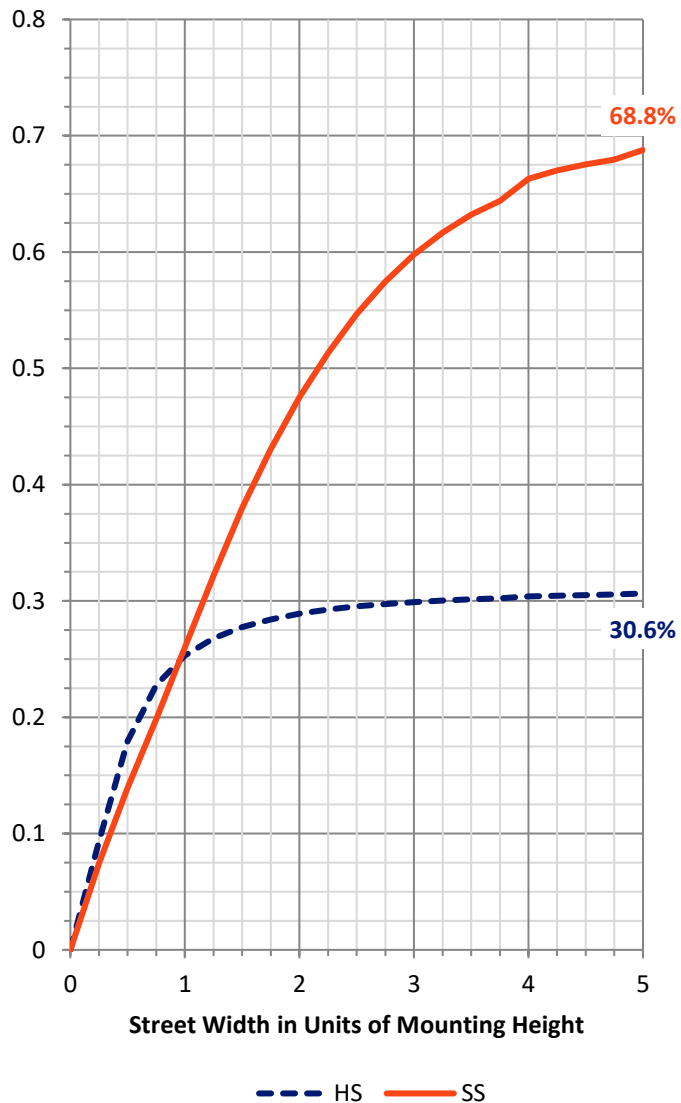
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5420.2	0.0	5420.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	12073.8	0.0	12073.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	17494.0	0.0	17494.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.7	1.1
10°-20°	670.4	3.8
20°-30°	1224.2	7.0
30°-40°	1736.2	9.9
40°-50°	2344.4	13.4
50°-60°	3153.8	18.0
60°-70°	4002.9	22.9
70°-80°	3632.9	20.8
80°-90°	529.6	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°	17494.0	100.0
0°-180°	17494.0	100.0

**Coefficient of Utilization**

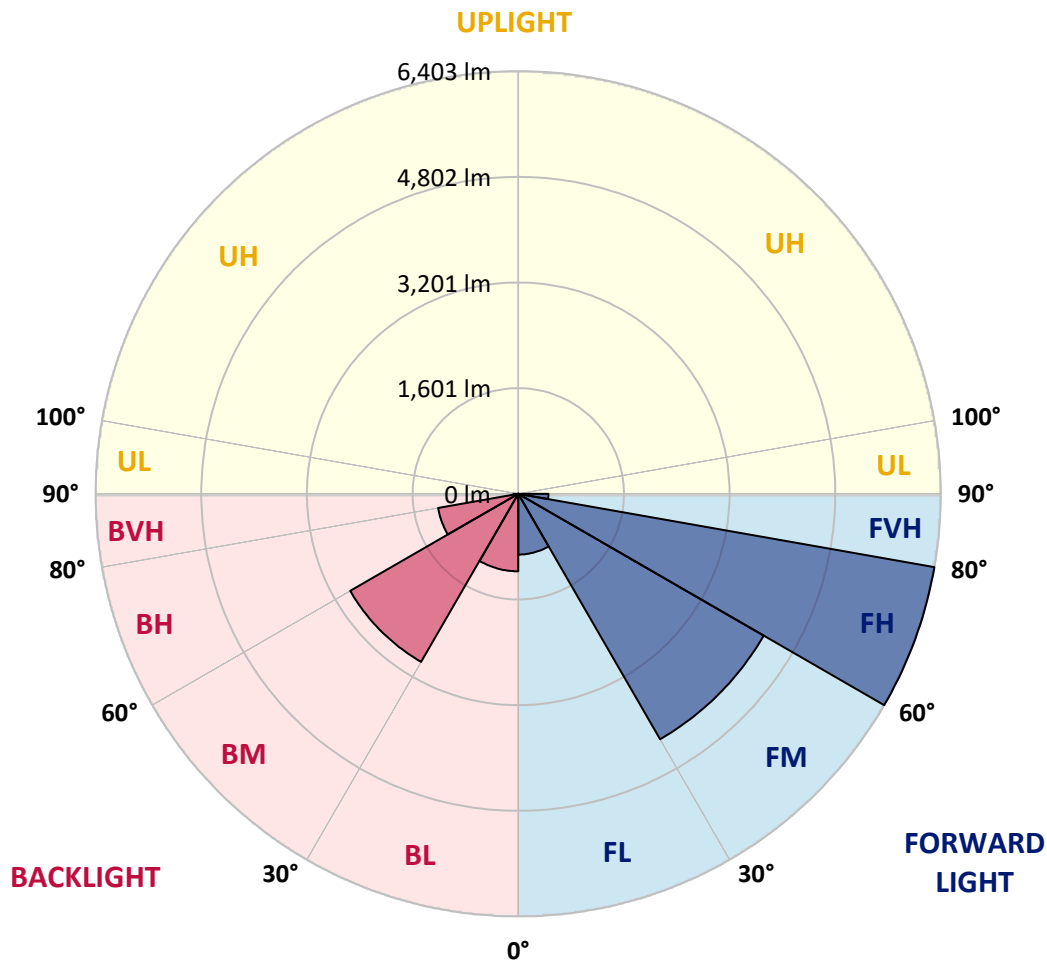


REPORT NUMBER: P847903  
 CATALOG NUMBER: GLAN-SB4B-722-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	920.2	5.3			
FM (30°-60°)	4294.4	24.5			
FH (60°-80°)	6402.5	36.6			G3/7500
FVH (80°-90°)	456.7	2.6			G3/500
BL (0°-30°)	1174.1	6.7	B3/2500		
BM (30°-60°)	2940.0	16.8	B3/5000		
BH (60°-80°)	1233.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	72.9	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: P847903  
 CATALOG NUMBER: GLAN-SB4B-722-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5
2.5°	1969.8	1981.0	1978.2	1974.5	1974.5	1975.4	1974.5	1981.0	1987.5	1994.0
5°	1990.3	2001.4	1995.8	1991.2	1987.5	1986.5	1983.8	1982.8	1986.5	1994.9
7.5°	2030.2	2041.3	2032.9	2024.6	2017.2	2013.5	2009.7	2004.2	2001.4	2006.0
10°	2074.7	2085.8	2075.6	2060.8	2048.7	2044.1	2040.4	2034.8	2031.1	2033.9
12.5°	2119.2	2130.4	2116.4	2096.0	2080.3	2077.5	2072.8	2071.0	2070.1	2069.1
15°	2161.0	2170.3	2152.6	2128.5	2111.8	2107.2	2102.5	2105.3	2109.9	2115.5
17.5°	2193.5	2202.7	2176.8	2145.2	2129.4	2127.6	2124.8	2134.1	2147.1	2161.0
20°	2223.1	2232.4	2199.0	2156.3	2137.8	2137.8	2138.7	2158.2	2176.8	2197.2
22.5°	2264.9	2272.3	2231.5	2173.0	2146.1	2148.0	2155.4	2174.9	2198.1	2225.9
25°	2327.1	2332.6	2282.5	2204.6	2174.0	2179.5	2186.0	2195.3	2217.6	2250.1
27.5°	2427.3	2431.9	2366.0	2260.3	2213.9	2223.1	2232.4	2225.9	2236.1	2264.0
30°	2568.3	2571.1	2487.6	2347.5	2281.6	2286.2	2288.1	2261.2	2241.7	2264.0
32.5°	2735.3	2734.4	2635.1	2453.3	2358.6	2354.0	2338.2	2285.3	2239.8	2259.3
35°	2994.2	2984.0	2855.9	2601.7	2445.8	2417.1	2380.0	2312.2	2249.1	2254.7
37.5°	3422.9	3391.3	3214.1	2844.8	2575.7	2502.4	2447.7	2355.8	2269.5	2252.8
40°	3906.3	3866.4	3671.5	3177.9	2770.6	2652.7	2564.6	2418.0	2302.9	2261.2
42.5°	4479.7	4423.1	4213.4	3570.4	3017.4	2846.7	2714.0	2496.9	2352.1	2288.1
45°	5183.9	5108.8	4811.9	4013.0	3328.2	3100.9	2923.7	2616.6	2427.3	2340.1
47.5°	5895.6	5914.2	5492.0	4519.6	3701.2	3414.5	3186.3	2796.6	2536.8	2423.6
50°	6651.8	6664.8	6168.4	5081.0	4124.3	3769.0	3481.3	2997.9	2688.9	2542.3
52.5°	7241.9	7243.8	6782.6	5668.3	4565.1	4158.7	3799.6	3228.0	2865.2	2700.1
55°	7611.2	7606.6	7213.2	6224.1	5071.7	4567.8	4152.2	3489.7	3080.5	2885.6
57.5°	7879.4	7865.5	7510.1	6701.9	5611.7	5051.3	4551.1	3786.6	3334.7	3106.5
60°	7981.4	7973.1	7711.4	7114.8	6179.5	5585.7	5011.4	4118.8	3623.3	3367.2
62.5°	8020.4	8036.2	7909.1	7514.7	6787.3	6177.7	5517.0	4515.9	3948.0	3662.3
65°	8157.7	8186.5	8160.5	8038.0	7473.9	6870.8	6187.9	4988.2	4302.5	3978.7
67.5°	8429.6	8458.4	8469.5	8664.3	8312.7	7734.6	7024.8	5576.4	4717.2	4307.1
70°	8423.1	8414.7	8611.5	9162.6	9363.0	8930.6	8153.1	6300.2	5211.8	4579.9
72.5°	7666.9	7600.1	8064.9	9157.0	10237.1	10179.5	9531.0	7233.6	5638.6	4613.3
75°	5751.8	5573.6	6394.8	8252.4	10382.7	10888.4	10406.9	7812.6	5537.5	4076.1
77.5°	2459.8	2280.7	3248.4	6109.0	9292.5	10178.6	9603.3	6816.0	4420.3	2695.4
80°	643.9	643.0	981.7	2769.7	6319.6	7516.6	6594.3	4401.8	2525.6	963.1
82.5°	266.3	259.8	360.9	1077.2	3087.9	4218.0	3442.4	1963.3	912.1	260.7
85°	99.3	98.4	175.4	372.1	1089.3	1739.7	1259.1	502.0	227.3	127.1
87.5°	27.8	26.9	38.0	129.0	265.4	402.7	215.3	82.6	64.0	50.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847903  
 CATALOG NUMBER: GLAN-SB4B-722-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2000.5	0°	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5	2000.5
2004.2	2.5°	2007.0	2011.6	2019.9	2026.4	2034.8	2044.1	2057.1	2065.4	2073.8	2079.3
2008.8	5°	2015.3	2025.5	2046.9	2068.2	2093.2	2116.4	2143.4	2162.8	2178.6	2183.3
2025.5	7.5°	2033.9	2050.6	2086.8	2122.9	2162.8	2200.9	2239.8	2273.3	2300.2	2310.4
2055.2	10°	2066.3	2088.6	2139.6	2190.7	2243.6	2302.0	2352.1	2400.4	2438.4	2454.2
2090.5	12.5°	2107.2	2135.0	2201.8	2272.3	2345.6	2426.3	2491.3	2550.7	2598.0	2619.3
2139.6	15°	2160.1	2196.2	2281.6	2376.2	2483.9	2596.1	2678.7	2744.6	2797.5	2823.5
2190.7	17.5°	2217.6	2265.8	2373.5	2516.4	2670.4	2817.9	2914.4	2962.7	3017.4	3042.4
2238.0	20°	2273.3	2332.6	2486.7	2694.5	2899.6	3056.4	3134.3	3147.3	3151.0	3153.8
2282.5	22.5°	2330.8	2410.6	2628.6	2919.0	3138.9	3247.5	3258.6	3203.0	3125.0	3088.8
2326.1	25°	2393.9	2499.6	2814.2	3166.8	3344.9	3357.9	3272.6	3137.1	2989.6	2921.8
2361.4	27.5°	2455.1	2602.6	3036.9	3403.4	3493.4	3379.3	3195.5	3003.5	2825.3	2753.9
2386.5	30°	2516.4	2720.5	3282.8	3610.3	3561.1	3326.4	3074.0	2859.7	2680.6	2605.4
2408.7	32.5°	2578.5	2857.8	3565.8	3759.7	3549.1	3214.1	2922.8	2698.2	2540.5	2461.6
2428.2	35°	2649.0	3026.7	3833.9	3841.3	3468.3	3048.9	2723.3	2505.2	2367.9	2304.8
2451.4	37.5°	2740.9	3241.0	4070.5	3861.7	3327.3	2806.8	2475.5	2277.0	2163.8	2135.0
2485.7	40°	2855.0	3499.0	4251.4	3829.3	3118.5	2512.6	2204.6	2045.9	1981.9	1988.4
2532.1	42.5°	3003.5	3787.5	4378.6	3745.8	2828.1	2209.2	1967.1	1896.5	1927.2	1953.1
2601.7	45°	3196.5	4087.2	4457.4	3603.8	2499.6	1952.2	1827.0	1843.7	1866.9	1869.6
2714.0	47.5°	3443.3	4390.6	4509.4	3389.5	2164.7	1771.3	1737.9	1741.6	1737.0	1717.5
2881.9	50°	3751.3	4685.7	4555.8	3105.5	1879.8	1658.1	1613.5	1600.6	1536.5	1473.4
3105.5	52.5°	4102.1	4956.6	4575.3	2753.0	1658.1	1563.4	1491.1	1409.4	1289.7	1270.2
3386.7	55°	4491.8	5207.1	4525.2	2319.6	1471.6	1441.9	1332.4	1234.1	1221.1	1204.4
3756.9	57.5°	4957.5	5477.1	4423.1	1836.2	1280.4	1299.9	1193.2	1204.4	1181.2	1155.2
4232.9	60°	5466.9	5756.4	4244.0	1395.5	1082.8	1122.7	1157.0	1156.1	1149.6	1128.3
4734.9	62.5°	5925.3	5940.1	3891.4	1068.9	909.3	985.4	1079.1	1078.2	1072.6	1060.5
5259.1	65°	6198.1	5912.3	3303.2	841.6	766.4	872.2	973.3	980.7	981.7	980.7
5653.4	67.5°	6149.8	5586.6	2495.9	669.9	648.6	757.1	868.5	878.7	886.1	888.0
5703.5	70°	5604.3	4871.3	1627.5	534.4	543.7	656.0	769.2	779.4	785.9	793.3
4949.2	72.5°	4368.4	3581.5	931.6	432.4	451.9	568.8	670.8	682.9	686.6	700.5
3444.2	75°	2662.0	2106.2	502.9	340.5	371.1	486.2	573.4	587.3	593.8	610.5
1691.5	77.5°	1265.6	912.1	286.7	265.4	298.8	397.1	484.3	500.1	482.5	491.8
466.7	80°	427.7	338.7	180.9	202.3	228.3	309.9	387.8	403.6	366.5	364.6
155.0	82.5°	149.4	137.3	115.1	134.5	147.5	221.8	293.2	313.6	272.8	271.9
69.6	85°	58.5	55.7	64.0	73.3	88.1	136.4	193.0	203.2	167.9	135.5
20.4	87.5°	12.1	13.0	15.8	16.7	26.9	47.3	69.6	85.4	67.7	57.5
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



<u>180°</u>
2000.5
2075.6
2185.1
2311.3
2455.1
2619.3
2821.6
3041.5
3161.2
3099.0
2932.0
2762.2
2613.8
2471.8
2318.7
2155.4
2010.7
1977.3
1888.2
1732.3
1481.8
1276.7
1207.1
1150.5
1120.9
1055.9
980.7
889.8
797.0
706.1
612.4
484.3
360.9
258.9
133.6
52.9
0.0

F REPORT)