

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: P848703

Luminaire Tested: **GLAN-SB5B-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848703  
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-SB5B-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 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: 18158 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

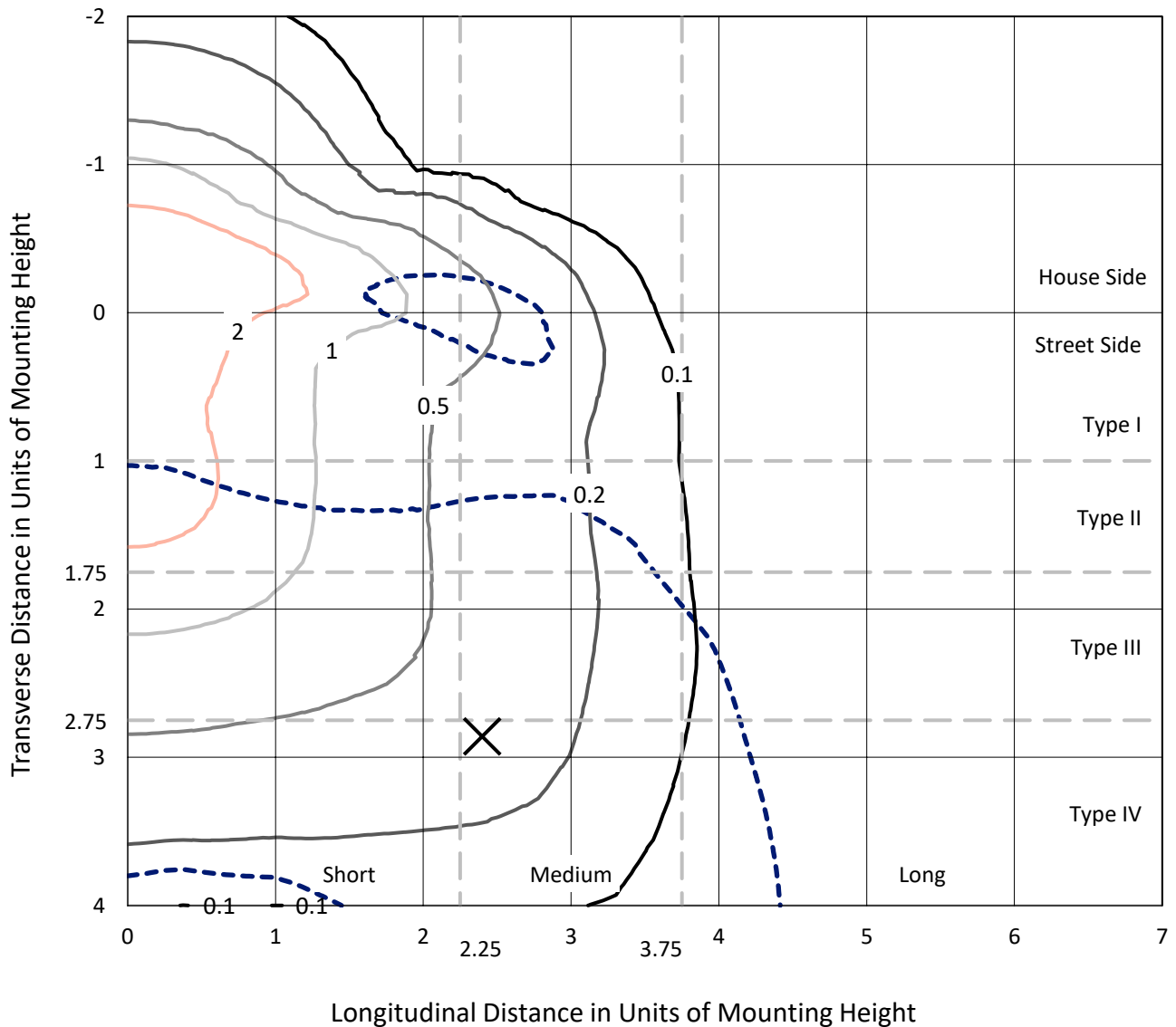
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848703  
 CATALOG NUMBER: GLAN-SB5B-927-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

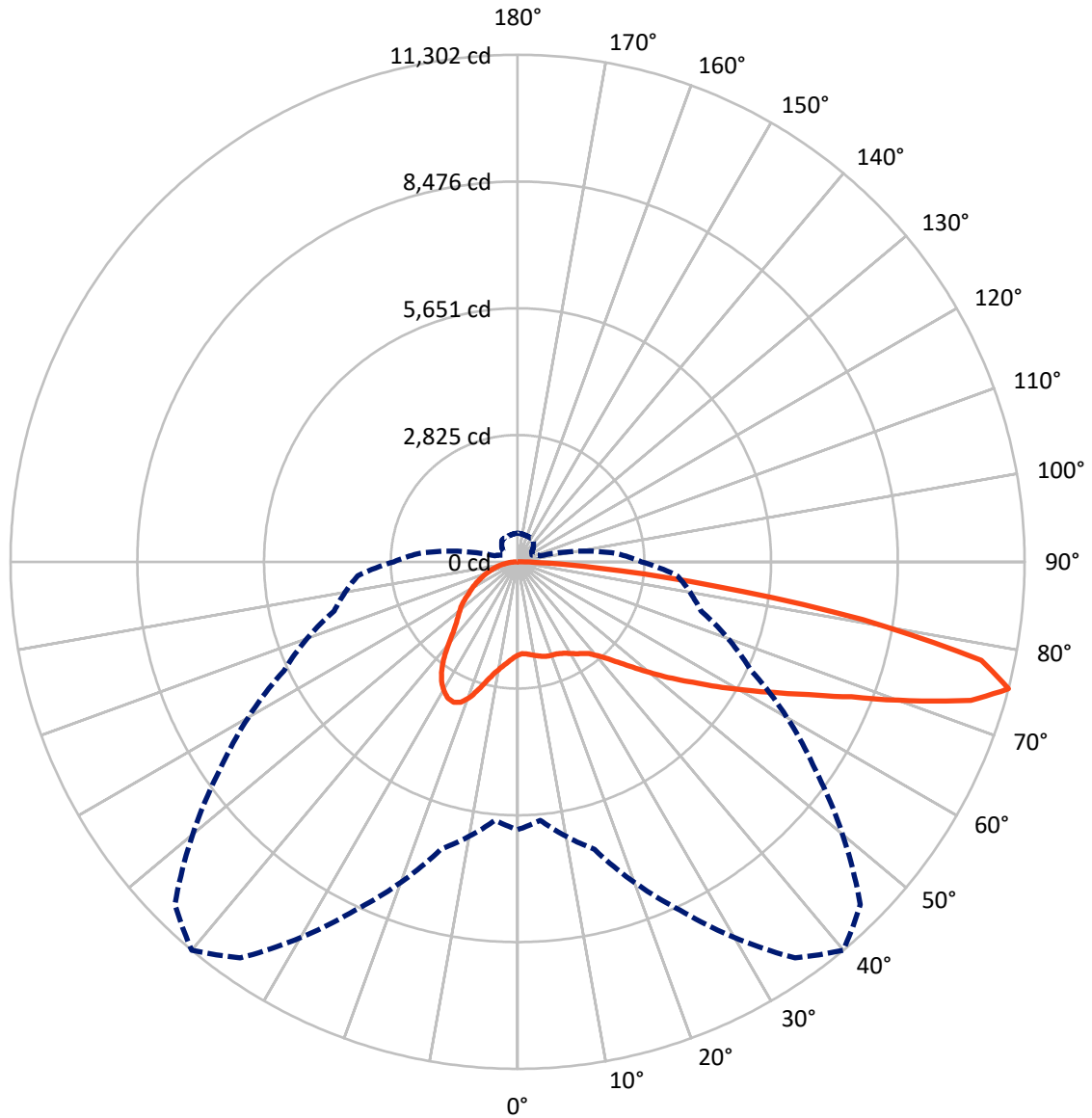
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P848703  
CATALOG NUMBER: GLAN-SB5B-927-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P848703  
 CATALOG NUMBER: GLAN-SB5B-927-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5626.0	0.0	5626.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	12532.0	0.0	12532.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	18158.0	0.0	18158.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.3	1.1
10°-20°	695.9	3.8
20°-30°	1270.6	7.0
30°-40°	1802.1	9.9
40°-50°	2433.4	13.4
50°-60°	3273.5	18.0
60°-70°	4154.8	22.9
70°-80°	3770.8	20.8
80°-90°	549.7	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°	18158.0	100.0
0°-180°	18158.0	100.0

**Coefficient of Utilization**

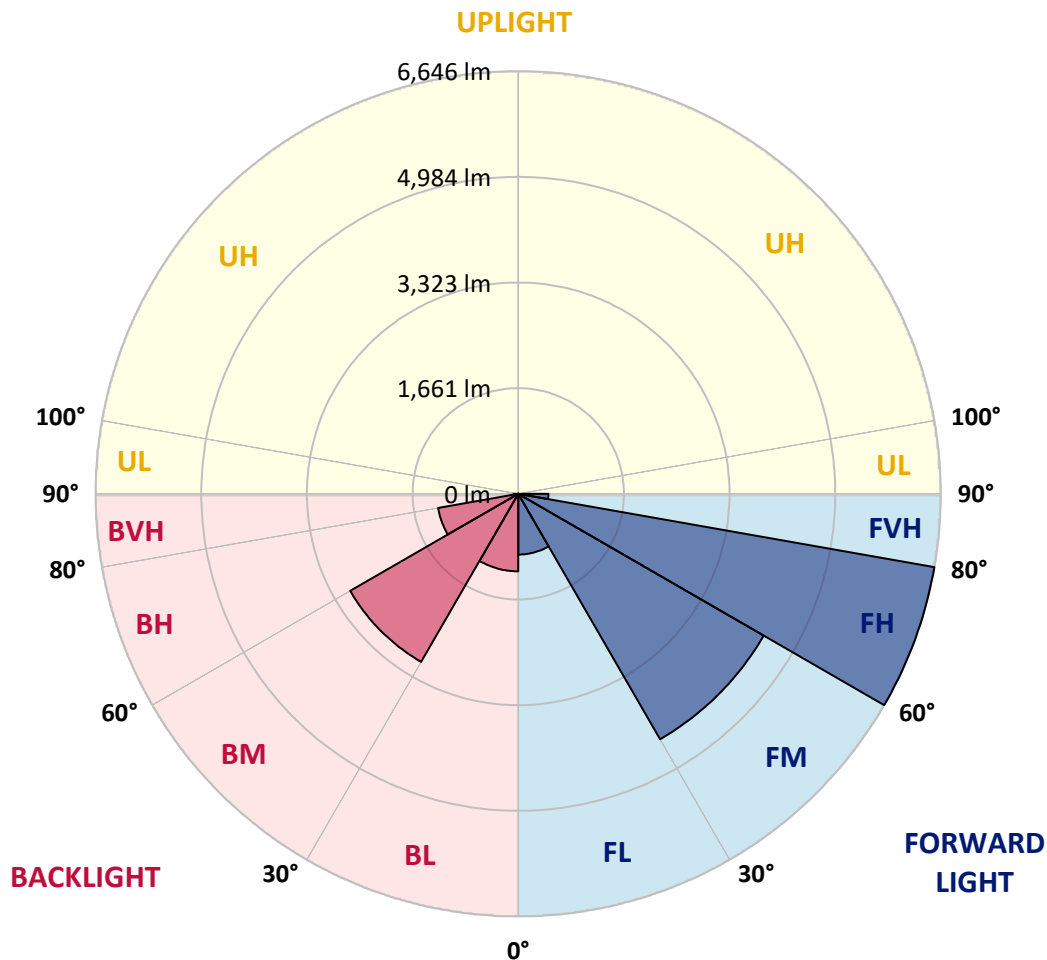


REPORT NUMBER: P848703  
 CATALOG NUMBER: GLAN-SB5B-927-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	955.1	5.3			
FM (30°-60°)	4457.4	24.5			
FH (60°-80°)	6645.6	36.6			G3/7500
FVH (80°-90°)	474.0	2.6			G3/500
BL (0°-30°)	1218.6	6.7	B3/2500		
BM (30°-60°)	3051.6	16.8	B3/5000		
BH (60°-80°)	1280.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	75.7	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: P848703  
 CATALOG NUMBER: GLAN-SB5B-927-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2044.6	2056.2	2053.3	2049.4	2049.4	2050.4	2049.4	2056.2	2062.9	2069.6
5°	2065.8	2077.4	2071.6	2066.8	2062.9	2061.9	2059.1	2058.1	2061.9	2070.6
7.5°	2107.2	2118.8	2110.1	2101.4	2093.7	2089.9	2086.0	2080.2	2077.4	2082.2
10°	2153.4	2165.0	2154.4	2139.0	2126.5	2121.7	2117.8	2112.0	2108.2	2111.1
12.5°	2199.7	2211.2	2196.8	2175.6	2159.2	2156.3	2151.5	2149.6	2148.6	2147.7
15°	2243.0	2252.6	2234.3	2209.3	2192.0	2187.1	2182.3	2185.2	2190.0	2195.8
17.5°	2276.7	2286.3	2259.4	2226.6	2210.3	2208.3	2205.4	2215.1	2228.6	2243.0
20°	2307.5	2317.2	2282.5	2238.2	2218.9	2218.9	2219.9	2240.1	2259.4	2280.6
22.5°	2350.9	2358.6	2316.2	2255.5	2227.6	2229.5	2237.2	2257.4	2281.5	2310.4
25°	2415.4	2421.2	2369.2	2288.3	2256.5	2262.3	2269.0	2278.6	2301.8	2335.5
27.5°	2519.4	2524.2	2455.8	2346.1	2297.9	2307.5	2317.2	2310.4	2321.0	2349.9
30°	2665.8	2668.7	2582.0	2436.6	2368.2	2373.0	2374.9	2347.0	2326.8	2349.9
32.5°	2839.1	2838.2	2735.1	2546.4	2448.1	2443.3	2427.0	2372.1	2324.9	2345.1
35°	3107.8	3097.3	2964.3	2700.5	2538.7	2508.8	2470.3	2400.0	2334.5	2340.3
37.5°	3552.8	3520.0	3336.1	2952.8	2673.5	2597.4	2540.6	2445.2	2355.7	2338.3
40°	4054.5	4013.1	3810.9	3298.5	2875.7	2753.4	2661.9	2509.8	2390.4	2347.0
42.5°	4649.7	4591.0	4373.3	3705.9	3131.9	2954.7	2817.0	2591.6	2441.4	2374.9
45°	5380.7	5302.7	4994.5	4165.3	3454.6	3218.6	3034.7	2715.9	2519.4	2428.9
47.5°	6119.4	6138.6	5700.4	4691.1	3841.7	3544.1	3307.2	2902.7	2633.0	2515.6
50°	6904.3	6917.8	6402.5	5273.8	4280.9	3912.0	3613.5	3111.7	2791.0	2638.8
52.5°	7516.8	7518.7	7040.1	5883.4	4738.3	4316.5	3943.8	3350.5	2974.0	2802.6
55°	7900.1	7895.3	7487.0	6460.3	5264.2	4741.2	4309.8	3622.1	3197.4	2995.2
57.5°	8178.4	8164.0	7795.1	6956.3	5824.7	5243.0	4723.9	3930.3	3461.3	3224.4
60°	8284.4	8275.7	8004.1	7384.9	6414.1	5797.7	5201.6	4275.1	3760.8	3495.0
62.5°	8324.8	8341.2	8209.3	7800.0	7044.9	6412.2	5726.4	4687.3	4097.9	3801.3
65°	8467.4	8497.2	8470.3	8343.1	7757.6	7131.6	6422.8	5177.5	4465.8	4129.7
67.5°	8749.5	8779.4	8791.0	8993.2	8628.2	8028.2	7291.4	5788.1	4896.3	4470.6
70°	8742.8	8734.1	8938.3	9510.4	9718.4	9269.6	8462.5	6539.3	5409.6	4753.7
72.5°	7957.9	7888.6	8371.1	9504.6	10625.6	10565.9	9892.7	7508.1	5852.6	4788.4
75°	5970.1	5785.2	6637.5	8565.6	10776.8	11301.7	10801.9	8109.1	5747.6	4230.8
77.5°	2553.1	2367.2	3371.7	6340.9	9645.2	10564.9	9967.8	7074.8	4588.1	2797.7
80°	668.4	667.4	1018.9	2874.8	6559.5	7801.9	6844.6	4568.8	2621.5	999.7
82.5°	276.4	269.7	374.6	1118.1	3205.1	4378.1	3573.0	2037.9	946.7	270.6
85°	103.0	102.1	182.0	386.2	1130.7	1805.8	1306.9	521.0	236.0	131.9
87.5°	28.9	27.9	39.5	133.9	275.4	418.0	223.4	85.7	66.5	52.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848703  
 CATALOG NUMBER: GLAN-SB5B-927-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2076.4	0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2080.2	2.5°	2083.1	2087.9	2096.6	2103.4	2112.0	2121.7	2135.1	2143.8	2152.5	2158.3
2085.1	5°	2091.8	2102.4	2124.5	2146.7	2172.7	2196.8	2224.7	2244.9	2261.3	2266.1
2102.4	7.5°	2111.1	2128.4	2166.0	2203.5	2244.9	2284.4	2324.9	2359.5	2387.5	2398.1
2133.2	10°	2144.8	2167.9	2220.9	2273.8	2328.7	2389.4	2441.4	2491.5	2531.0	2547.3
2169.8	12.5°	2187.1	2216.0	2285.4	2358.6	2434.7	2518.4	2585.9	2647.5	2696.6	2718.8
2220.9	15°	2242.0	2279.6	2368.2	2466.4	2578.2	2694.7	2780.4	2848.8	2903.7	2930.6
2273.8	17.5°	2301.8	2351.8	2463.5	2611.9	2771.7	2924.9	3025.0	3075.1	3131.9	3157.9
2322.9	20°	2359.5	2421.2	2581.0	2796.8	3009.6	3172.4	3253.3	3266.8	3270.6	3273.5
2369.2	22.5°	2419.2	2502.1	2728.4	3029.8	3258.1	3370.8	3382.3	3324.5	3243.6	3206.1
2414.4	25°	2484.7	2594.5	2921.0	3287.0	3471.9	3485.4	3396.8	3256.2	3103.0	3032.7
2451.0	27.5°	2548.3	2701.4	3152.1	3532.6	3626.0	3507.5	3316.8	3117.5	2932.6	2858.4
2477.0	30°	2611.9	2823.7	3407.4	3747.3	3696.3	3452.6	3190.7	2968.2	2782.3	2704.3
2500.1	32.5°	2676.4	2966.3	3701.1	3902.4	3683.8	3336.1	3033.7	2800.6	2636.9	2555.0
2520.4	35°	2749.6	3141.6	3979.4	3987.1	3600.0	3164.7	2826.6	2600.3	2457.8	2392.3
2544.4	37.5°	2844.9	3364.0	4225.0	4008.3	3453.6	2913.3	2569.5	2363.4	2245.9	2216.0
2580.1	40°	2963.4	3631.8	4412.8	3974.6	3236.9	2608.0	2288.3	2123.6	2057.1	2063.9
2628.2	42.5°	3117.5	3931.3	4544.8	3887.9	2935.5	2293.1	2041.7	1968.5	2000.3	2027.3
2700.5	45°	3317.8	4242.3	4626.6	3740.6	2594.5	2026.3	1896.3	1913.6	1937.7	1940.6
2817.0	47.5°	3574.0	4557.3	4680.5	3518.1	2246.9	1838.5	1803.8	1807.7	1802.9	1782.7
2991.3	50°	3893.7	4863.5	4728.7	3223.4	1951.2	1721.0	1674.8	1661.3	1594.9	1529.4
3223.4	52.5°	4257.8	5144.8	4748.9	2857.4	1721.0	1622.8	1547.7	1462.9	1338.7	1318.5
3515.2	55°	4662.3	5404.8	4696.9	2407.7	1527.4	1496.6	1383.0	1280.9	1267.4	1250.1
3899.5	57.5°	5145.7	5685.0	4591.0	1905.9	1329.0	1349.3	1238.5	1250.1	1226.0	1199.0
4393.6	60°	5674.4	5974.9	4405.1	1448.5	1123.9	1165.3	1201.0	1200.0	1193.3	1171.1
4914.6	62.5°	6150.2	6165.6	4039.1	1109.5	943.8	1022.8	1120.1	1119.1	1113.3	1100.8
5458.7	65°	6433.3	6136.7	3428.5	873.5	795.5	905.3	1010.3	1018.0	1018.9	1018.0
5868.0	67.5°	6383.3	5798.7	2590.7	695.3	673.2	785.9	901.4	912.0	919.7	921.7
5920.0	70°	5817.0	5056.1	1689.2	554.7	564.4	680.9	798.4	809.0	815.7	823.4
5137.0	72.5°	4534.2	3717.5	966.9	448.8	469.0	590.4	696.3	708.8	712.7	727.1
3574.9	75°	2763.1	2186.2	522.0	353.4	385.2	504.7	595.2	609.6	616.4	633.7
1755.7	77.5°	1313.6	946.7	297.6	275.4	310.1	412.2	502.7	519.1	500.8	510.4
484.4	80°	444.0	351.5	187.8	210.0	236.9	321.7	402.6	418.9	380.4	378.5
160.8	82.5°	155.1	142.5	119.4	139.6	153.1	230.2	304.3	325.5	283.1	282.2
72.2	85°	60.7	57.8	66.5	76.1	91.5	141.6	200.3	210.9	174.3	140.6
21.2	87.5°	12.5	13.5	16.4	17.3	27.9	49.1	72.2	88.6	70.3	59.7
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°
2076.4
2154.4
2268.0
2399.0
2548.3
2718.8
2928.7
3157.0
3281.2
3216.7
3043.3
2867.1
2713.0
2565.6
2406.7
2237.2
2087.0
2052.3
1959.9
1798.1
1538.0
1325.2
1253.0
1194.2
1163.4
1096.0
1018.0
923.6
827.3
732.9
635.6
502.7
374.6
268.7
138.7
54.9
0.0

F REPORT)