

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: P848013

Luminaire Tested: **GLAN-SB4B-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848013  
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-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 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: 19209 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

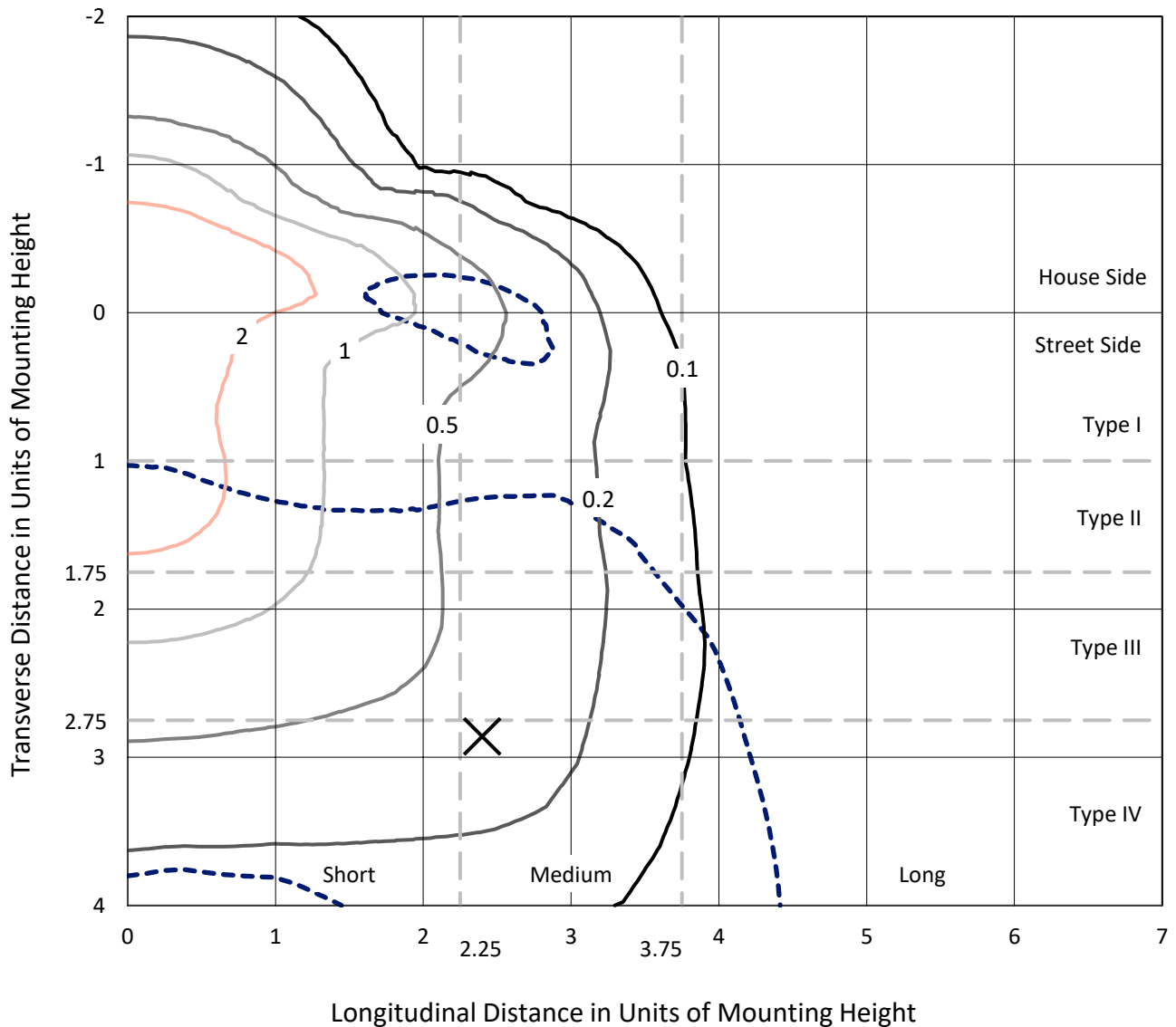
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848013  
 CATALOG NUMBER: GLAN-SB4B-850-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

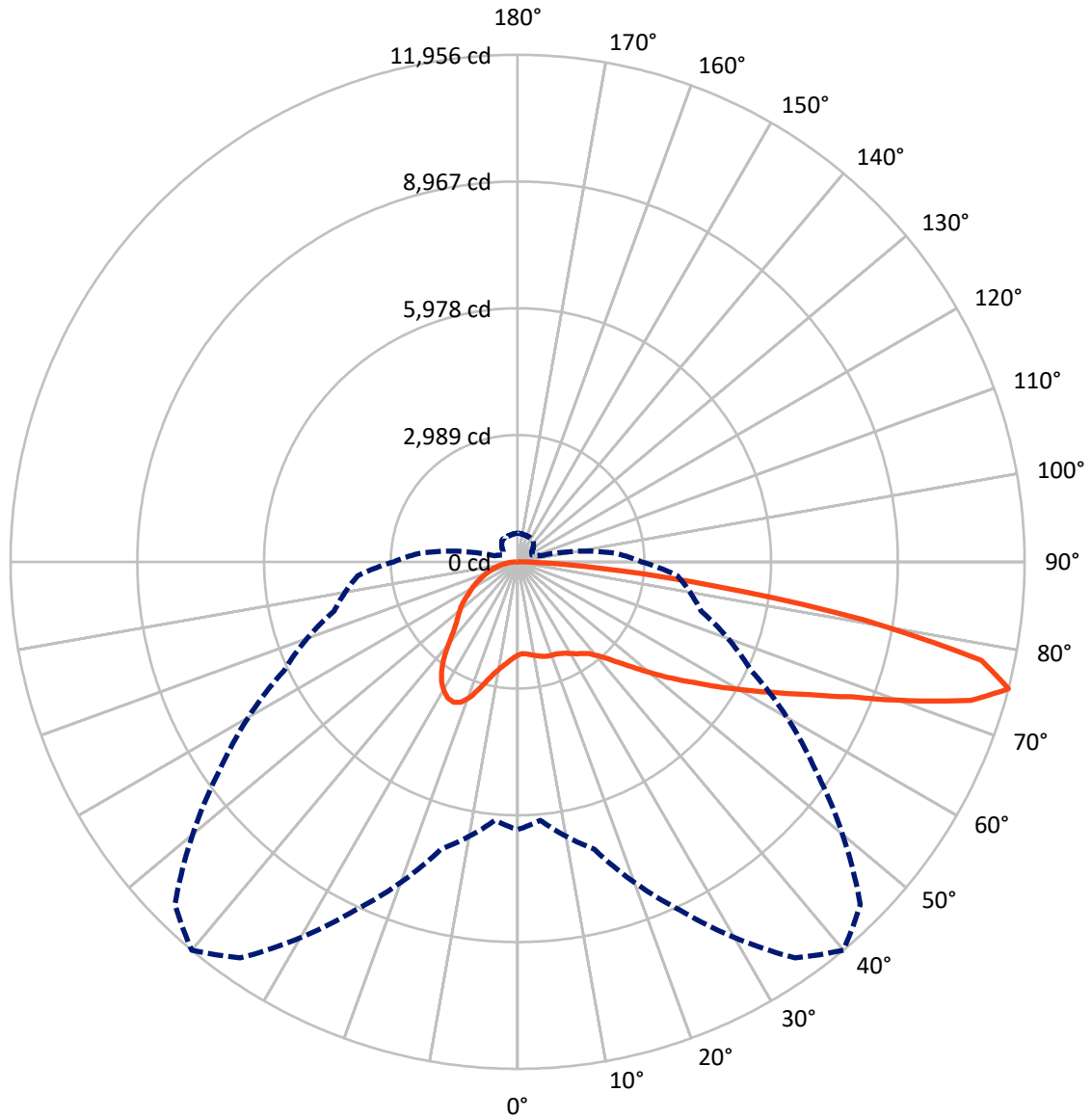
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P848013  
CATALOG NUMBER: GLAN-SB4B-850-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P848013  
 CATALOG NUMBER: GLAN-SB4B-850-U-SL4

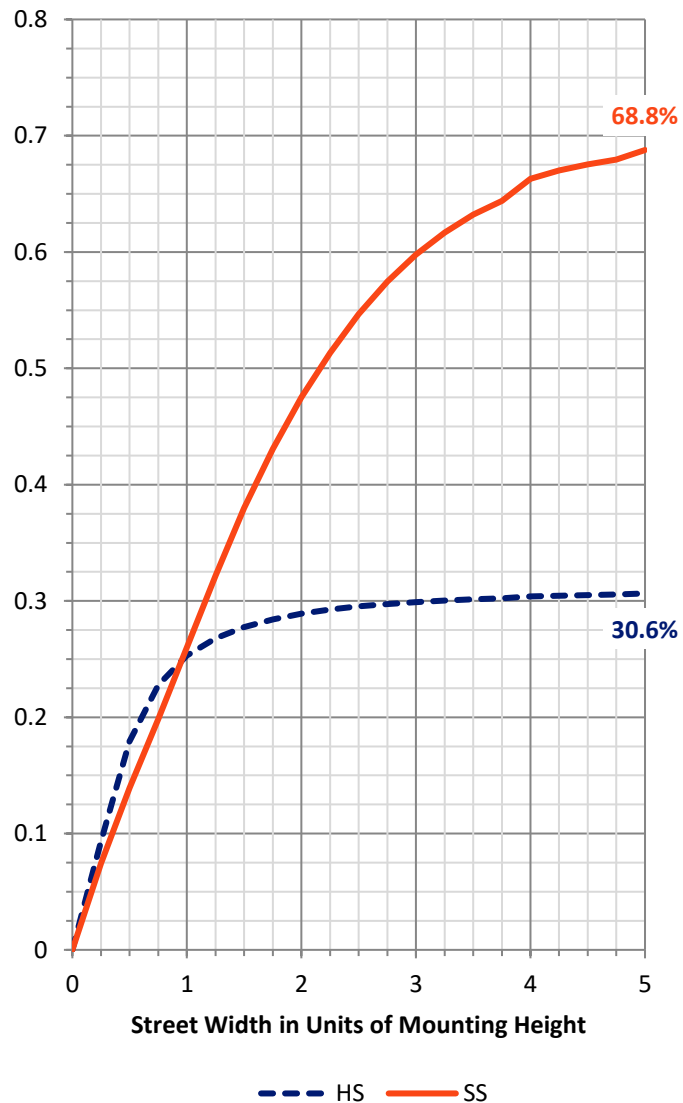
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5951.6	0.0	5951.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	13257.4	0.0	13257.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	19209.0	0.0	19209.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.3	1.1
10°-20°	736.2	3.8
20°-30°	1344.2	7.0
30°-40°	1906.4	9.9
40°-50°	2574.2	13.4
50°-60°	3463.0	18.0
60°-70°	4395.3	22.9
70°-80°	3989.0	20.8
80°-90°	581.5	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°	19209.0	100.0
0°-180°	19209.0	100.0

**Coefficient of Utilization**

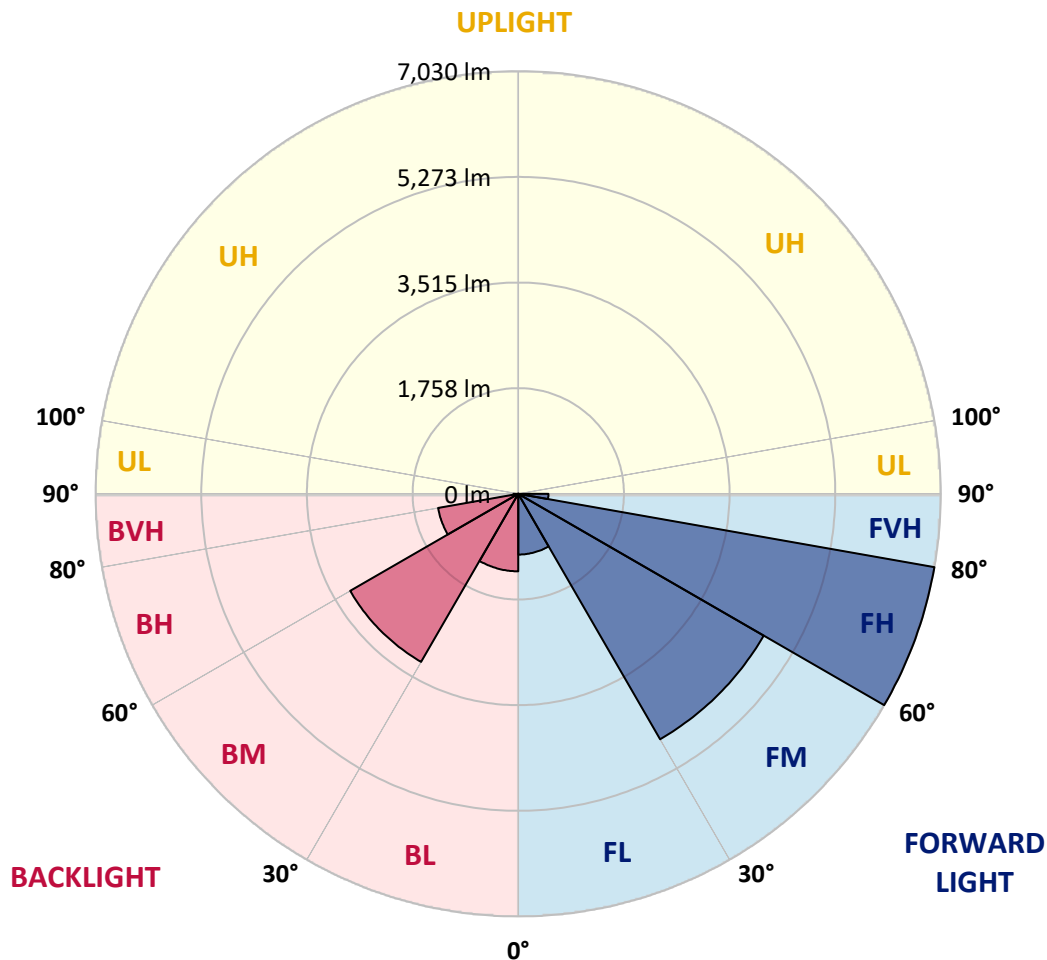


REPORT NUMBER: P848013  
 CATALOG NUMBER: GLAN-SB4B-850-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1010.4	5.3			
FM (30°-60°)	4715.4	24.5			
FH (60°-80°)	7030.2	36.6			G3/7500
FVH (80°-90°)	501.4	2.6			G4/750
BL (0°-30°)	1289.2	6.7	B3/2500		
BM (30°-60°)	3228.2	16.8	B3/5000		
BH (60°-80°)	1354.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	80.1	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-G4**  
 Type IV Medium



REPORT NUMBER: P848013  
 CATALOG NUMBER: GLAN-SB4B-850-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6
2.5°	2163.0	2175.2	2172.1	2168.0	2168.0	2169.1	2168.0	2175.2	2182.3	2189.4
5°	2185.4	2197.6	2191.5	2186.4	2182.3	2181.3	2178.2	2177.2	2181.3	2190.5
7.5°	2229.2	2241.4	2232.2	2223.1	2214.9	2210.8	2206.8	2200.7	2197.6	2202.7
10°	2278.1	2290.3	2279.1	2262.8	2249.6	2244.5	2240.4	2234.3	2230.2	2233.3
12.5°	2327.0	2339.2	2323.9	2301.5	2284.2	2281.1	2276.0	2274.0	2273.0	2272.0
15°	2372.8	2383.0	2363.7	2337.2	2318.8	2313.7	2308.6	2311.7	2316.8	2322.9
17.5°	2408.5	2418.7	2390.2	2355.5	2338.2	2336.2	2333.1	2343.3	2357.5	2372.8
20°	2441.1	2451.3	2414.6	2367.7	2347.4	2347.4	2348.4	2369.8	2390.2	2412.6
22.5°	2486.9	2495.1	2450.3	2386.1	2356.5	2358.6	2366.7	2388.1	2413.6	2444.1
25°	2555.2	2561.3	2506.3	2420.7	2387.1	2393.2	2400.3	2410.5	2435.0	2470.6
27.5°	2665.2	2670.3	2598.0	2481.8	2430.9	2441.1	2451.3	2444.1	2455.4	2485.9
30°	2820.1	2823.1	2731.5	2577.6	2505.3	2510.4	2512.4	2482.9	2461.5	2485.9
32.5°	3003.5	3002.5	2893.4	2693.8	2589.8	2584.7	2567.4	2509.4	2459.4	2480.8
35°	3287.7	3276.5	3135.9	2856.8	2685.6	2654.0	2613.3	2538.9	2469.6	2475.7
37.5°	3758.4	3723.8	3529.2	3123.7	2828.2	2747.8	2687.6	2586.8	2492.0	2473.7
40°	4289.2	4245.4	4031.5	3489.5	3042.2	2912.8	2816.0	2655.0	2528.7	2482.9
42.5°	4918.9	4856.7	4626.5	3920.4	3313.2	3125.7	2980.0	2741.6	2582.7	2512.4
45°	5692.1	5609.6	5283.6	4406.4	3654.5	3404.9	3210.3	2873.1	2665.2	2569.5
47.5°	6473.6	6494.0	6030.4	4962.7	4064.1	3749.3	3498.6	3070.7	2785.5	2661.2
50°	7303.9	7318.2	6773.1	5579.1	4528.7	4138.4	3822.6	3291.8	2952.5	2791.6
52.5°	7951.9	7953.9	7447.6	6224.0	5012.6	4566.3	4172.1	3544.5	3146.1	2964.8
55°	8357.4	8352.3	7920.3	6834.2	5568.9	5015.6	4559.2	3831.8	3382.5	3168.5
57.5°	8651.8	8636.5	8246.3	7358.9	6161.8	5546.5	4997.3	4157.8	3661.6	3411.0
60°	8763.9	8754.7	8467.4	7812.3	6785.3	6133.3	5502.6	4522.5	3978.5	3697.3
62.5°	8806.7	8824.0	8684.4	8251.4	7452.7	6783.3	6057.9	4958.6	4335.1	4021.3
65°	8957.5	8989.0	8960.5	8826.0	8206.6	7544.4	6794.5	5477.2	4724.3	4368.7
67.5°	9256.0	9287.6	9299.8	9513.7	9127.6	8492.9	7713.5	6123.1	5179.7	4729.4
70°	9248.8	9239.7	9455.7	10060.8	10280.9	9806.1	8952.4	6917.8	5722.7	5028.9
72.5°	8418.5	8345.2	8855.6	10054.7	11240.6	11177.5	10465.3	7942.7	6191.4	5065.6
75°	6315.7	6120.0	7021.7	9061.4	11400.6	11955.8	11427.1	8578.5	6080.3	4475.7
77.5°	2700.9	2504.3	3566.9	6707.9	10203.5	11176.4	10544.8	7484.2	4853.7	2959.7
80°	707.1	706.0	1077.9	3041.2	6939.2	8253.5	7240.7	4833.3	2773.2	1057.5
82.5°	292.4	285.3	396.3	1182.8	3390.6	4631.6	3779.8	2155.8	1001.5	286.3
85°	109.0	108.0	192.6	408.5	1196.1	1910.3	1382.5	551.2	249.6	139.6
87.5°	30.6	29.5	41.8	141.6	291.4	442.2	236.4	90.7	70.3	55.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848013  
 CATALOG NUMBER: GLAN-SB4B-850-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2196.6	0°	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6	2196.6
2200.7	2.5°	2203.7	2208.8	2218.0	2225.1	2234.3	2244.5	2258.7	2267.9	2277.1	2283.2
2205.7	5°	2212.9	2224.1	2247.5	2270.9	2298.5	2323.9	2353.5	2374.9	2392.2	2397.3
2224.1	7.5°	2233.3	2251.6	2291.3	2331.1	2374.9	2416.6	2459.4	2496.1	2525.7	2536.9
2256.7	10°	2268.9	2293.4	2349.4	2405.4	2463.5	2527.7	2582.7	2635.7	2677.5	2694.8
2295.4	12.5°	2313.7	2344.3	2417.7	2495.1	2575.6	2664.2	2735.5	2800.7	2852.7	2876.1
2349.4	15°	2371.8	2411.5	2505.3	2609.2	2727.4	2850.7	2941.3	3013.7	3071.7	3100.3
2405.4	17.5°	2435.0	2488.0	2606.1	2763.0	2932.2	3094.2	3200.1	3253.1	3313.2	3340.7
2457.4	20°	2496.1	2561.3	2730.4	2958.7	3183.8	3356.0	3441.6	3455.8	3459.9	3463.0
2506.3	22.5°	2559.3	2646.9	2886.3	3205.2	3446.7	3565.9	3578.1	3517.0	3431.4	3391.6
2554.2	25°	2628.6	2744.7	3090.1	3477.2	3672.8	3687.1	3593.4	3444.6	3282.6	3208.3
2592.9	27.5°	2695.8	2857.8	3334.6	3737.0	3835.9	3710.5	3508.8	3297.9	3102.3	3023.9
2620.4	30°	2763.0	2987.2	3604.6	3964.2	3910.2	3652.5	3375.3	3140.0	2943.4	2860.8
2644.9	32.5°	2831.3	3138.0	3915.3	4128.3	3897.0	3529.2	3209.3	2962.7	2789.5	2702.9
2666.3	35°	2908.7	3323.4	4209.8	4217.9	3808.3	3347.8	2990.2	2750.8	2600.0	2530.7
2691.7	37.5°	3009.6	3558.7	4469.6	4240.3	3653.5	3081.9	2718.2	2500.2	2375.9	2344.3
2729.4	40°	3134.9	3842.0	4668.2	4204.7	3424.3	2759.0	2420.7	2246.5	2176.2	2183.3
2780.4	42.5°	3297.9	4158.8	4807.8	4113.0	3105.4	2425.8	2159.9	2082.5	2116.1	2144.6
2856.8	45°	3509.8	4487.9	4894.4	3957.1	2744.7	2143.6	2006.1	2024.4	2049.9	2052.9
2980.0	47.5°	3780.8	4821.1	4951.5	3721.7	2376.9	1944.9	1908.2	1912.3	1907.2	1885.8
3164.5	50°	4119.1	5145.0	5002.4	3410.0	2064.1	1820.6	1771.7	1757.5	1687.2	1617.9
3410.0	52.5°	4504.2	5442.5	5023.8	3022.8	1820.6	1716.7	1637.2	1547.6	1416.2	1394.8
3718.7	55°	4932.1	5717.6	4968.8	2547.0	1615.8	1583.2	1463.0	1355.0	1340.8	1322.4
4125.2	57.5°	5443.6	6014.1	4856.7	2016.2	1406.0	1427.4	1310.2	1322.4	1297.0	1268.4
4647.9	60°	6002.9	6320.8	4660.1	1532.3	1189.0	1232.8	1270.5	1269.4	1262.3	1238.9
5199.0	62.5°	6506.2	6522.5	4272.9	1173.7	998.4	1082.0	1184.9	1183.9	1177.8	1164.5
5774.7	65°	6805.7	6491.9	3627.0	924.1	841.5	957.7	1068.7	1076.9	1077.9	1076.9
6207.7	67.5°	6752.7	6134.3	2740.6	735.6	712.2	831.4	953.6	964.8	973.0	975.0
6262.7	70°	6153.7	5348.8	1787.0	586.8	597.0	720.3	844.6	855.8	862.9	871.1
5434.4	72.5°	4796.6	3932.6	1022.9	474.8	496.2	624.5	736.6	749.9	753.9	769.2
3781.9	75°	2923.0	2312.7	552.2	373.9	407.5	533.9	629.6	644.9	652.0	670.4
1857.3	77.5°	1389.7	1001.5	314.8	291.4	328.1	436.1	531.8	549.1	529.8	540.0
512.5	80°	469.7	371.9	198.7	222.1	250.6	340.3	425.9	443.2	402.4	400.4
170.1	82.5°	164.0	150.8	126.3	147.7	162.0	243.5	321.9	344.4	299.5	298.5
76.4	85°	64.2	61.1	70.3	80.5	96.8	149.8	211.9	223.1	184.4	148.7
22.4	87.5°	13.2	14.3	17.3	18.3	29.5	52.0	76.4	93.7	74.4	63.2
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°
2196.6
2279.1
2399.3
2537.9
2695.8
2876.1
3098.2
3339.7
3471.1
3402.9
3219.5
3033.0
2870.0
2714.1
2546.0
2366.7
2207.8
2171.1
2073.3
1902.1
1627.1
1401.9
1325.5
1263.3
1230.7
1159.4
1076.9
977.0
875.2
775.3
672.4
531.8
396.3
284.3
146.7
58.1
0.0

F REPORT)