

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: P849386

Luminaire Tested: **GLAN-SB6B-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849386  
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-SB6B-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21789 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

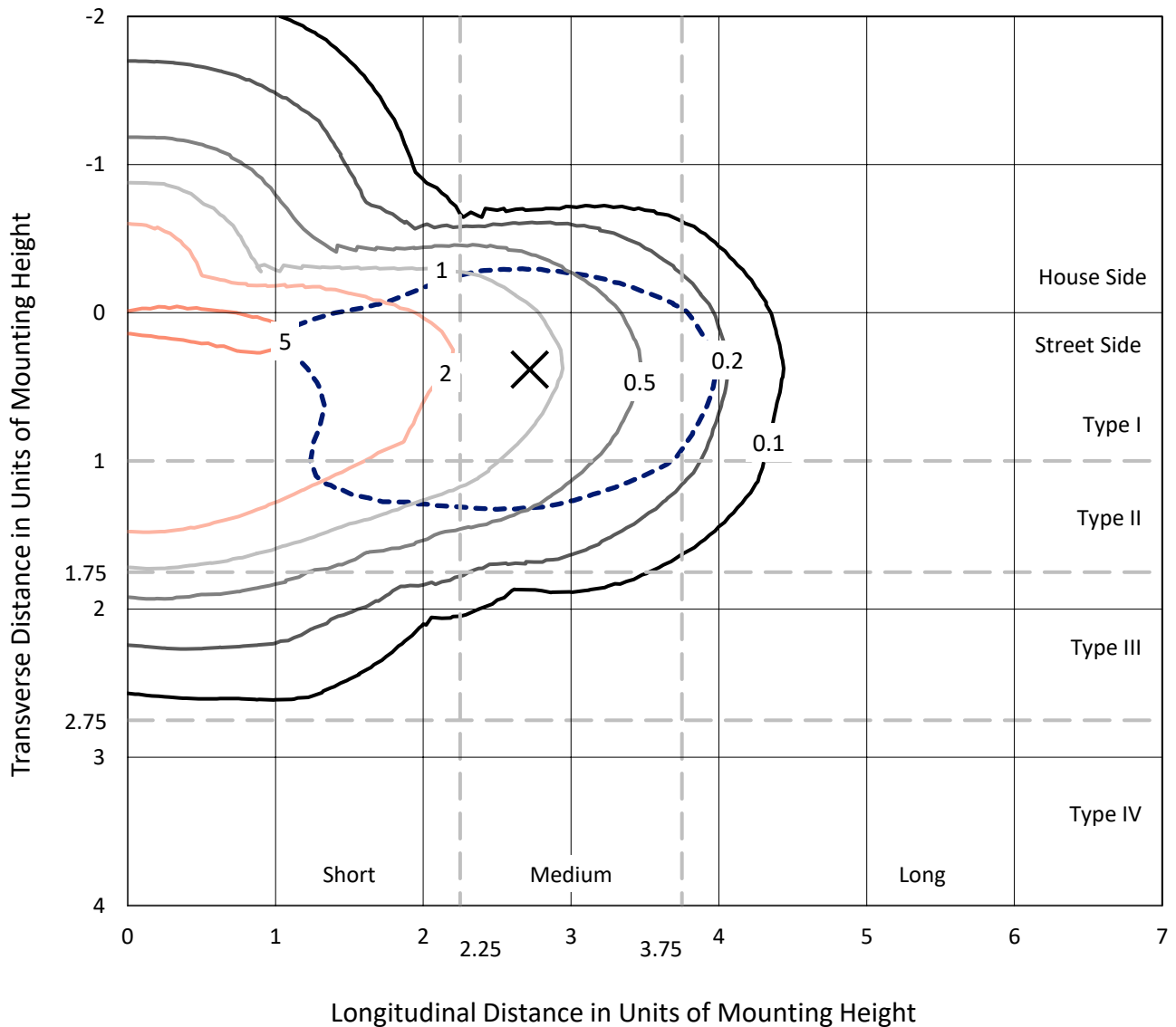
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849386  
 CATALOG NUMBER: GLAN-SB6B-927-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

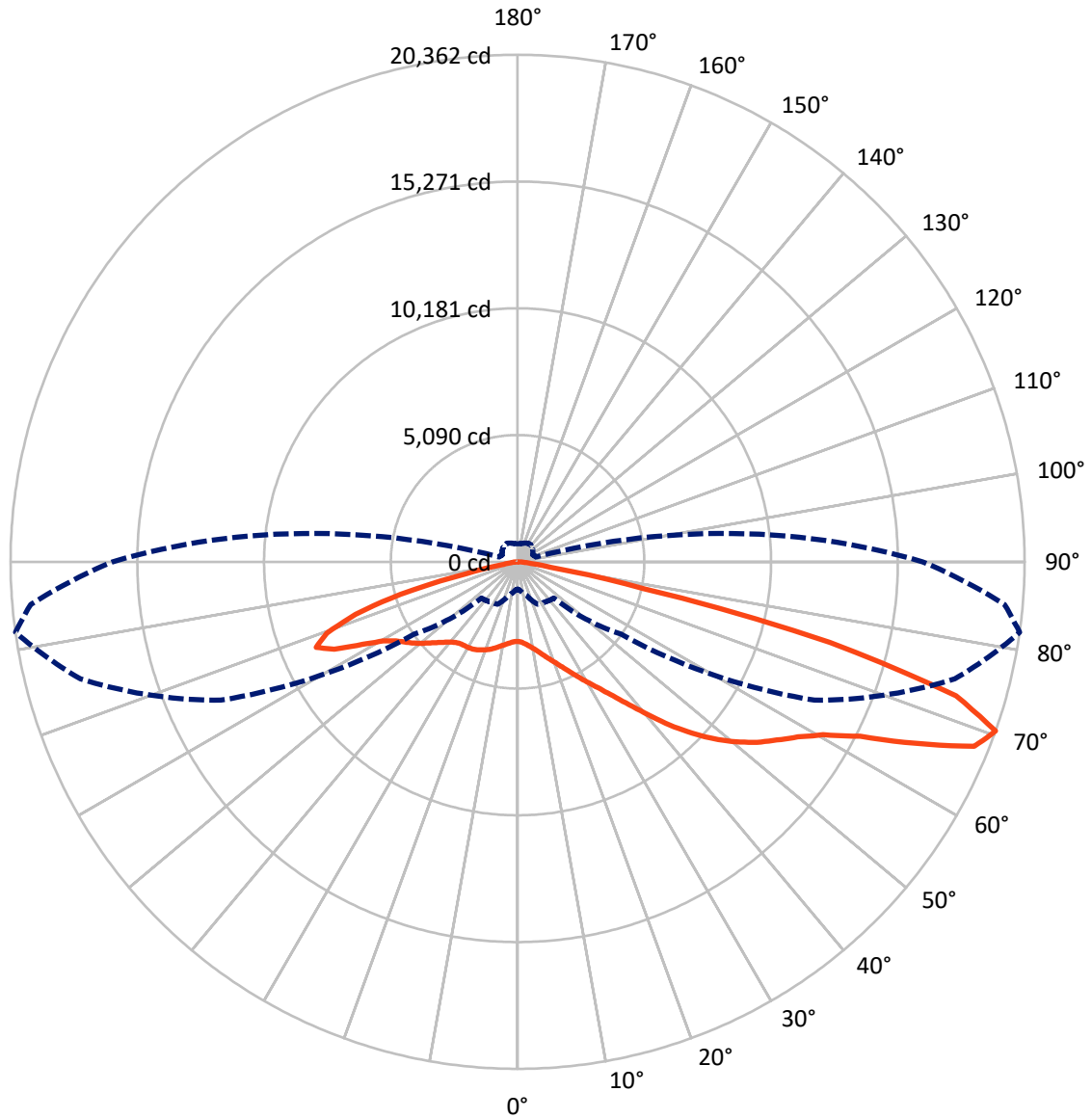
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P849386  
CATALOG NUMBER: GLAN-SB6B-927-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P849386  
 CATALOG NUMBER: GLAN-SB6B-927-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5371.5	0.0	5371.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	16417.5	0.0	16417.5
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	21789.0	0.0	21789.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.6	1.4
10°-20°	866.6	4.0
20°-30°	1449.7	6.7
30°-40°	2264.8	10.4
40°-50°	3606.9	16.6
50°-60°	5019.5	23.0
60°-70°	5250.6	24.1
70°-80°	2744.3	12.6
80°-90°	285.0	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°	21789.0	100.0
0°-180°	21789.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P849386

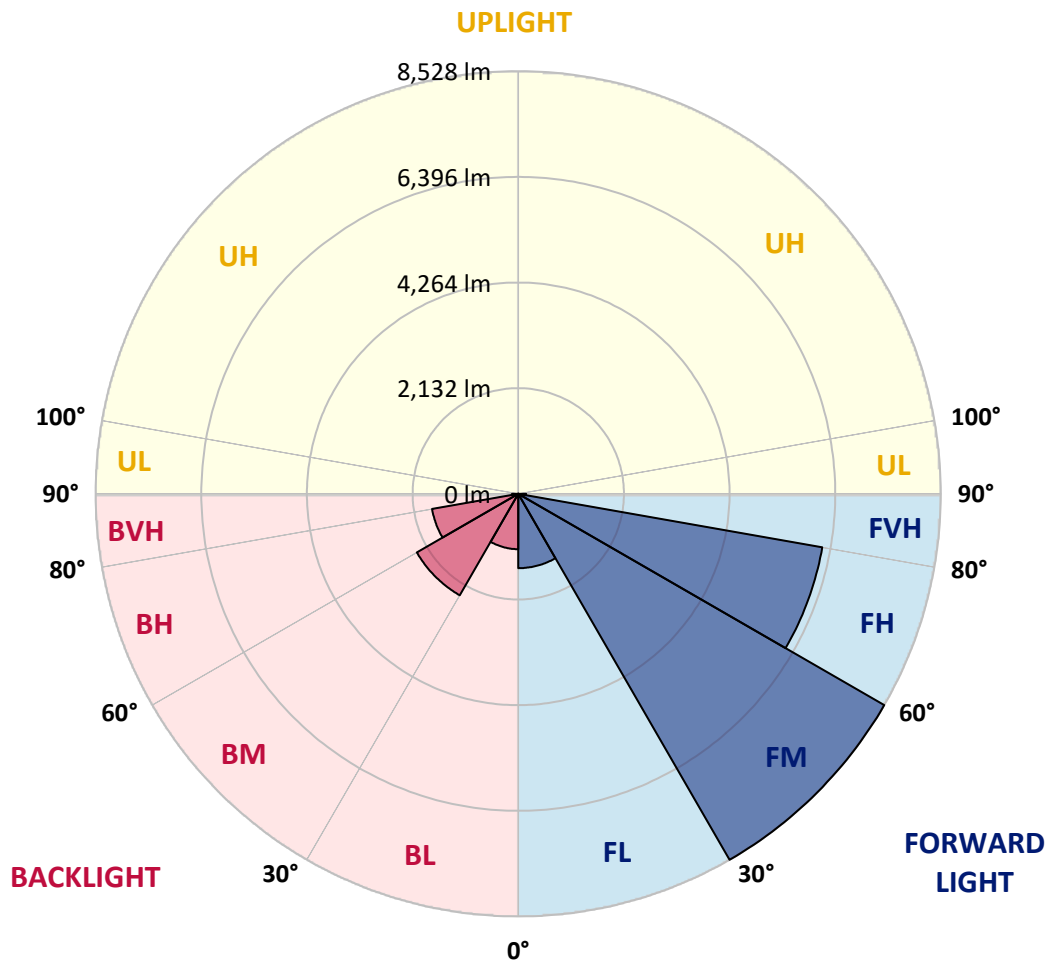
CATALOG NUMBER: GLAN-SB6B-927-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.4	6.9			
FM (30°-60°)	8528.0	39.1			
FH (60°-80°)	6229.5	28.6			G3/7500
FVH (80°-90°)	159.5	0.7			G2/225
BL (0°-30°)	1117.5	5.1	B3/2500		
BM (30°-60°)	2363.3	10.8	B2/2500		
BH (60°-80°)	1765.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	125.4	0.6			G2/225
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: P849386  
 CATALOG NUMBER: GLAN-SB6B-927-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5
2.5°	3270.8	3289.3	3283.6	3277.8	3277.8	3269.7	3268.5	3257.0	3247.7	3232.7
5°	3312.5	3332.1	3329.8	3334.4	3349.5	3352.9	3356.4	3349.5	3331.0	3312.5
7.5°	3275.5	3297.4	3304.4	3332.1	3378.4	3420.0	3451.2	3463.9	3446.6	3420.0
10°	3150.6	3174.9	3199.2	3265.1	3347.2	3445.4	3528.7	3578.4	3574.9	3549.5
12.5°	2897.4	2922.8	2974.9	3103.2	3253.5	3426.9	3581.9	3685.9	3721.8	3703.3
15°	2695.1	2717.0	2756.3	2888.2	3083.5	3347.2	3601.5	3803.8	3895.2	3884.8
17.5°	2689.3	2698.5	2722.8	2785.3	2935.6	3222.3	3580.7	3919.5	4094.1	4092.9
20°	2791.0	2794.5	2808.4	2821.1	2906.6	3127.5	3527.5	4015.4	4317.2	4317.2
22.5°	2932.1	2929.8	2943.6	2932.1	2973.7	3119.4	3494.0	4099.8	4565.8	4584.3
25°	3143.7	3132.1	3128.6	3102.0	3110.1	3194.5	3531.0	4195.8	4860.6	4898.8
27.5°	3425.8	3407.3	3394.6	3333.3	3312.5	3349.5	3644.3	4311.4	5189.0	5254.9
30°	3793.4	3759.9	3741.4	3635.0	3559.9	3565.7	3815.4	4465.2	5532.3	5638.7
32.5°	4295.2	4243.2	4193.5	4018.9	3881.3	3836.2	4036.2	4677.9	5904.6	6074.6
35°	4857.1	4815.5	4762.3	4492.9	4281.4	4177.3	4334.5	4975.1	6340.5	6609.9
37.5°	5398.2	5362.4	5387.8	5024.8	4751.9	4600.5	4725.3	5373.9	6878.1	7275.9
40°	5957.8	5930.1	5933.5	5586.7	5268.7	5098.8	5199.4	5874.6	7494.4	8067.9
42.5°	6566.0	6545.2	6475.8	6168.2	5811.0	5652.6	5745.1	6452.7	8155.7	8969.7
45°	7247.0	7234.3	7169.5	6816.9	6407.6	6229.5	6354.4	7090.9	8820.5	9818.3
47.5°	7835.5	7845.9	7837.8	7540.6	7116.3	6855.0	7004.2	7756.8	9439.1	10616.1
50°	8118.7	8173.1	8252.9	8160.4	7896.7	7630.8	7659.7	8399.7	10028.8	11364.1
52.5°	7970.7	8073.6	8291.0	8439.0	8540.7	8485.2	8407.8	9037.9	10583.7	12039.4
55°	7419.2	7563.8	7924.5	8281.8	8800.9	9204.4	9306.1	9745.5	11124.8	12633.6
57.5°	6414.5	6649.2	6973.0	7695.6	8569.6	9552.4	10353.6	10727.1	11698.3	13268.4
60°	4691.8	5006.3	5408.6	6483.9	7760.3	9366.3	11245.1	12234.8	12513.4	14090.4
62.5°	3002.6	3196.9	3566.8	4579.6	6046.8	8412.4	11517.9	14119.3	13895.0	15438.5
65°	2055.7	2180.6	2519.3	3088.2	3909.1	6261.9	10787.2	15532.2	16089.5	17575.2
67.5°	1493.8	1588.6	1877.6	2376.0	2547.1	3705.6	8370.8	15467.4	18222.6	19776.5
70°	1089.1	1156.2	1399.0	1877.6	1959.7	2061.5	5071.0	13148.1	18176.4	20361.6
72.5°	807.0	853.3	1016.3	1456.8	1586.3	1392.0	2510.1	9555.9	15618.9	18416.9
75°	583.9	618.6	738.8	1114.6	1269.5	1060.2	1252.1	5584.4	10894.7	12955.1
77.5°	446.3	472.9	551.5	816.3	1016.3	795.5	777.0	2569.0	5165.8	5191.3
80°	358.4	375.8	418.5	574.6	779.3	595.4	506.4	1037.1	1632.5	1381.6
82.5°	263.6	292.5	353.8	403.5	557.3	410.4	308.7	523.8	620.9	534.2
85°	150.3	170.0	213.9	289.0	356.1	250.9	176.9	232.4	289.0	237.0
87.5°	53.2	69.4	75.2	113.3	154.9	104.1	68.2	67.1	94.8	70.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849386  
 CATALOG NUMBER: GLAN-SB6B-927-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3194.5	0°	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5	3194.5
3229.2	2.5°	3217.7	3211.9	3188.8	3157.5	3125.2	3094.0	3083.5	3061.6	3046.5	3038.5
3304.4	5°	3282.4	3263.9	3209.6	3140.2	3067.4	2988.7	2933.2	2882.4	2845.4	2810.7
3407.3	7.5°	3374.9	3342.5	3248.9	3127.5	2998.0	2867.3	2770.2	2696.2	2646.5	2614.1
3527.5	10°	3482.4	3432.7	3289.3	3107.8	2907.8	2720.5	2606.0	2542.5	2511.2	2493.9
3665.1	12.5°	3606.1	3535.6	3331.0	3062.7	2770.2	2556.3	2477.7	2459.2	2460.4	2461.5
3838.5	15°	3758.8	3660.5	3364.5	2964.5	2591.0	2430.3	2416.4	2446.5	2477.7	2492.7
4035.1	17.5°	3931.0	3792.3	3370.3	2802.6	2415.3	2349.4	2393.3	2458.0	2505.5	2526.3
4254.8	20°	4116.0	3926.4	3328.7	2573.7	2270.7	2283.5	2362.1	2445.3	2497.4	2524.0
4505.7	22.5°	4327.6	4069.8	3229.2	2333.2	2152.8	2211.8	2304.3	2385.2	2439.6	2466.1
4800.5	25°	4569.2	4230.5	3073.1	2130.8	2051.1	2130.8	2223.3	2290.4	2334.3	2358.6
5130.0	27.5°	4837.5	4398.1	2865.0	1970.1	1962.0	2047.6	2123.9	2175.9	2199.1	2217.6
5480.3	30°	5106.9	4550.7	2613.0	1848.7	1884.6	1965.5	2019.9	2043.0	2049.9	2053.4
5871.1	32.5°	5398.2	4682.6	2348.2	1748.2	1810.6	1885.7	1918.1	1928.5	1896.1	1874.2
6345.1	35°	5750.9	4823.6	2089.2	1668.4	1737.7	1802.5	1812.9	1803.6	1765.5	1720.4
6939.4	37.5°	6186.7	4999.3	1882.3	1611.7	1669.5	1712.3	1699.6	1697.3	1700.7	1647.6
7653.9	40°	6720.9	5228.3	1730.8	1567.8	1614.0	1623.3	1587.4	1607.1	1624.4	1543.5
8437.8	42.5°	7314.0	5504.6	1634.8	1537.7	1567.8	1545.8	1490.3	1512.3	1510.0	1403.6
9225.2	45°	7918.7	5805.2	1601.3	1515.8	1525.0	1481.1	1419.8	1425.6	1377.0	1281.1
9980.2	47.5°	8519.9	6127.8	1622.1	1497.3	1471.8	1422.1	1374.7	1349.3	1277.6	1205.9
10704.0	50°	9109.6	6466.5	1698.4	1460.3	1399.0	1370.1	1335.4	1290.3	1214.0	1152.7
11388.4	52.5°	9656.5	6807.6	1784.0	1399.0	1307.6	1325.0	1303.0	1251.0	1175.8	1113.4
12035.9	55°	10174.4	7148.7	1817.5	1314.6	1222.1	1285.7	1273.0	1177.0	1086.8	1035.9
12713.4	57.5°	10738.6	7559.1	1780.5	1207.1	1152.7	1240.6	1192.0	1085.7	1033.6	995.5
13595.6	60°	11520.2	8203.1	1700.7	1074.1	1086.8	1173.5	1090.3	1046.3	989.7	946.9
14918.3	62.5°	12818.6	9404.4	1572.4	942.3	1009.3	1074.1	1041.7	997.8	940.0	898.4
17179.8	65°	14737.9	11073.9	1330.8	839.4	922.6	977.0	989.7	945.8	885.6	841.7
19161.5	67.5°	16356.6	12121.4	1007.0	753.8	833.6	898.4	934.2	891.4	827.8	785.0
19625.1	70°	16267.5	11360.7	768.9	669.4	755.0	820.9	867.1	833.6	765.4	724.9
17826.1	72.5°	14448.8	9503.8	622.0	583.9	675.2	740.0	795.5	770.0	700.6	661.3
13059.1	75°	10614.9	6746.3	497.2	497.2	575.8	655.6	716.8	700.6	637.1	609.3
5482.6	77.5°	4474.4	2830.3	389.6	412.8	478.7	563.1	639.4	645.2	589.7	624.3
1449.9	80°	1189.7	780.4	297.1	324.9	375.8	464.8	556.1	553.8	493.7	461.3
538.8	82.5°	453.2	307.5	211.6	228.9	271.7	356.1	440.5	454.4	394.3	341.1
211.6	85°	174.6	131.8	130.6	137.6	158.4	235.9	333.0	344.5	297.1	252.0
59.0	87.5°	45.1	39.3	48.6	46.2	72.8	126.0	190.8	197.7	181.5	105.2
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°
3194.5
3047.7
2824.6
2621.1
2498.5
2463.8
2491.6
2530.9
2530.9
2473.1
2365.6
2224.5
2061.5
1881.1
1722.7
1651.0
1545.8
1402.5
1284.5
1205.9
1148.1
1114.6
1031.3
992.0
944.6
898.4
844.0
786.2
728.4
661.3
601.2
566.5
428.9
341.1
260.1
150.3
0.0

F REPORT)