

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: P847486

Luminaire Tested: **GLAN-SB3C-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847486  
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-SB3C-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18434 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

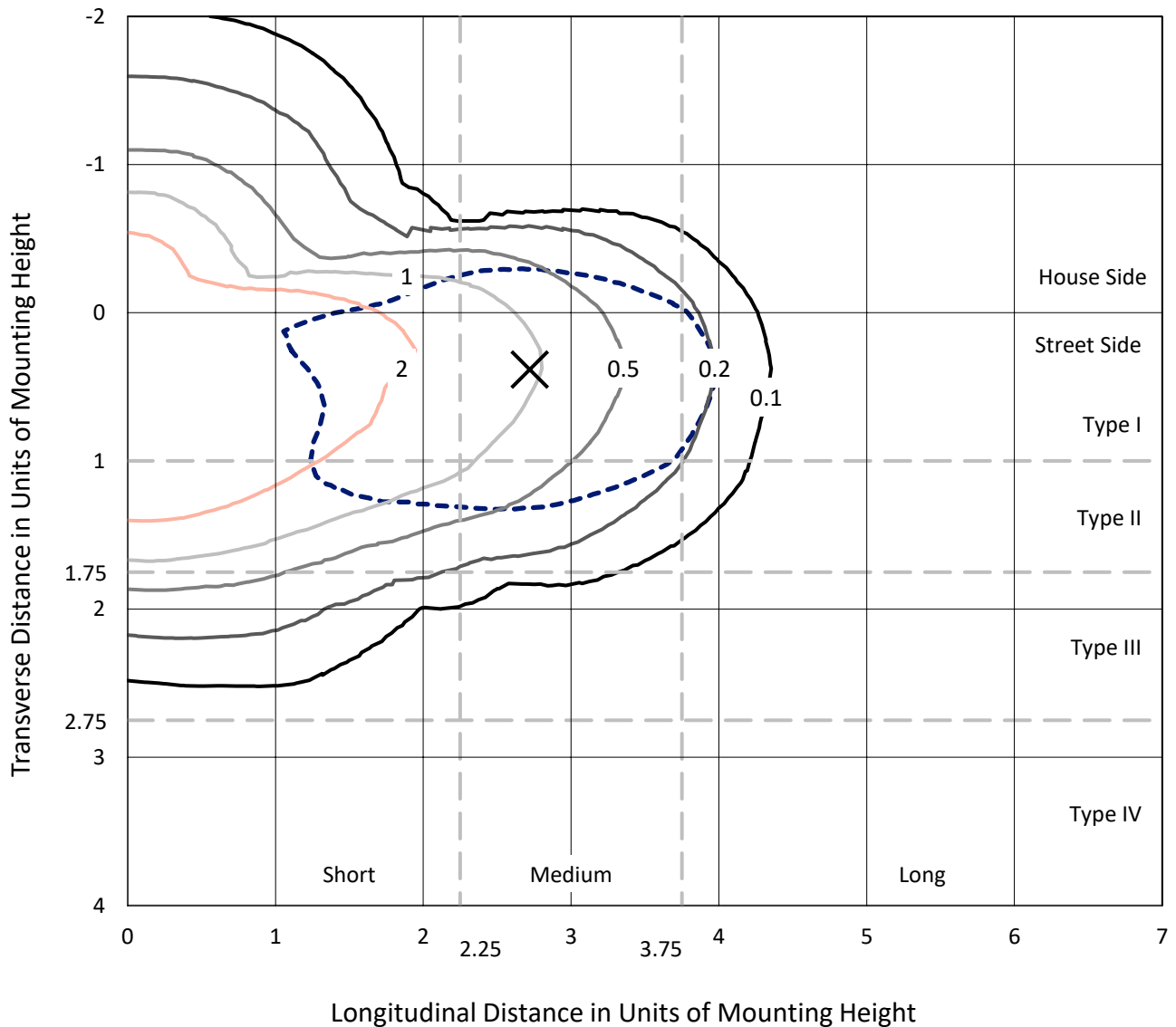
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847486  
 CATALOG NUMBER: GLAN-SB3C-835-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

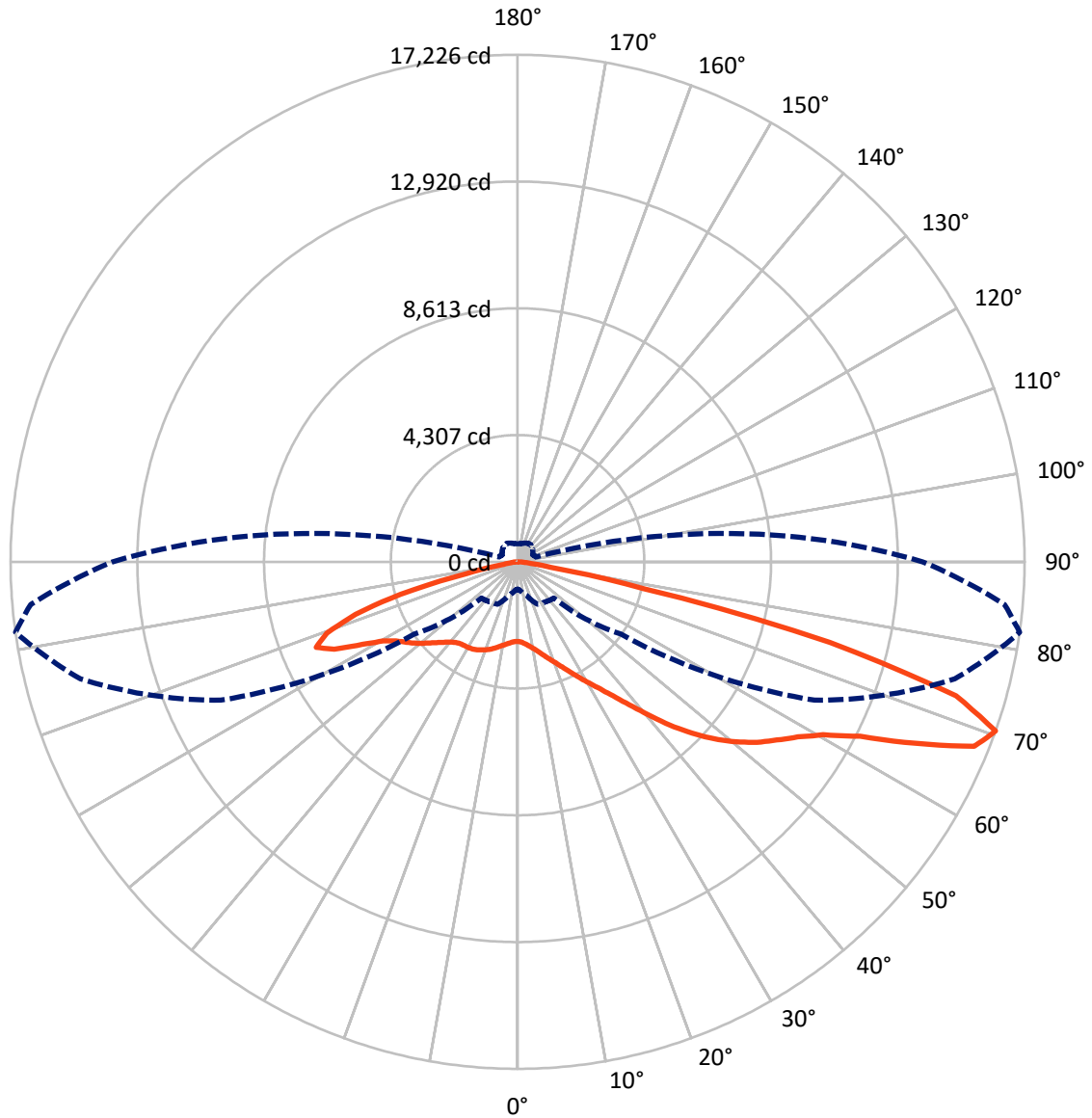
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P847486  
CATALOG NUMBER: GLAN-SB3C-835-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P847486  
 CATALOG NUMBER: GLAN-SB3C-835-U-T2

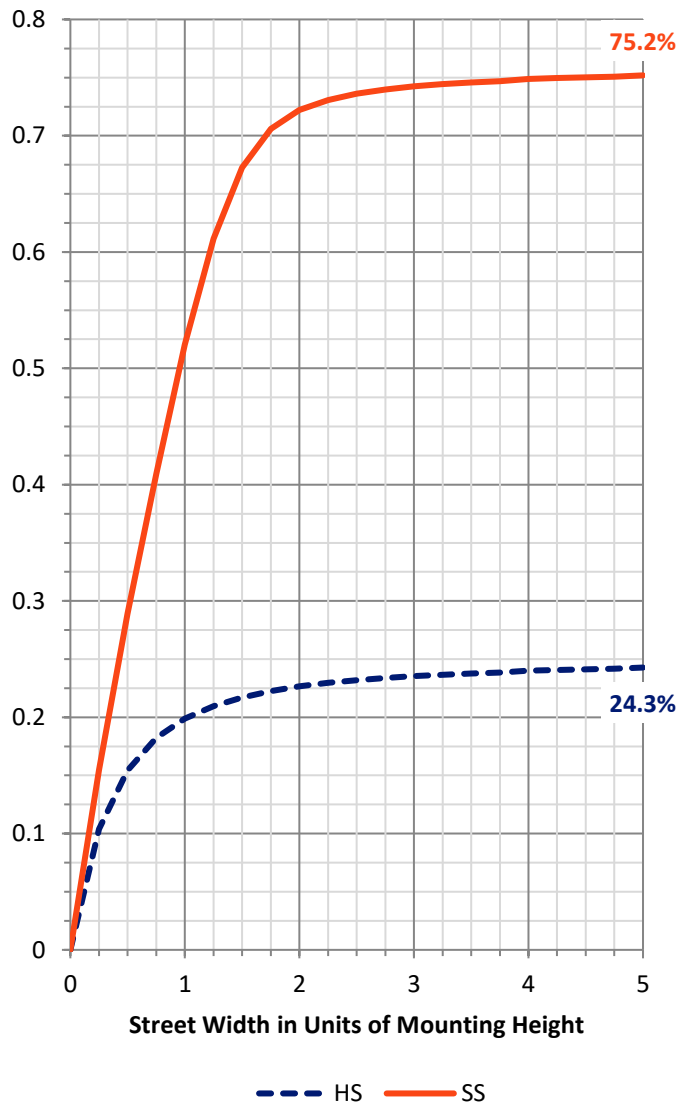
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4544.4	0.0	4544.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	13889.6	0.0	13889.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	18434.0	0.0	18434.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.2	1.4
10°-20°	733.1	4.0
20°-30°	1226.5	6.7
30°-40°	1916.1	10.4
40°-50°	3051.6	16.6
50°-60°	4246.6	23.0
60°-70°	4442.2	24.1
70°-80°	2321.7	12.6
80°-90°	241.1	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°	18434.0	100.0
0°-180°	18434.0	100.0

**Coefficient of Utilization**

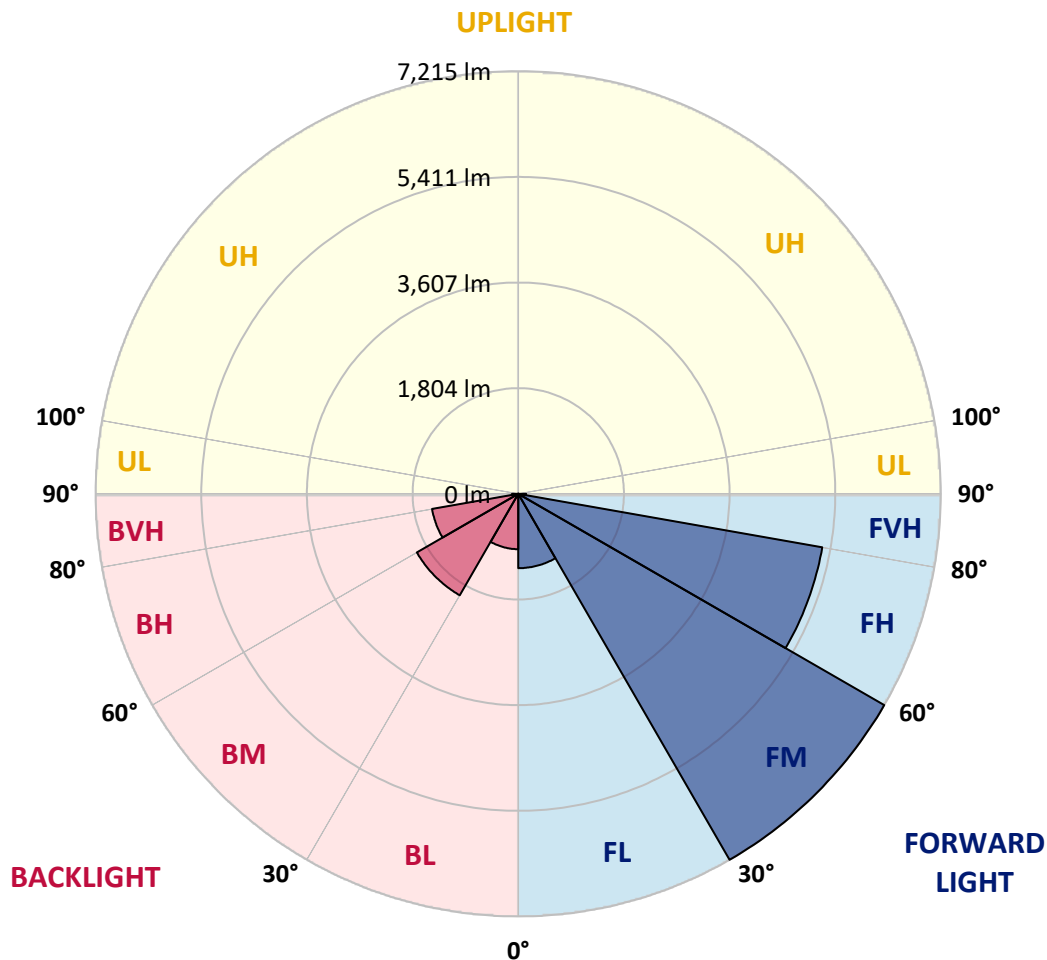


REPORT NUMBER: P847486  
 CATALOG NUMBER: GLAN-SB3C-835-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.4	6.9			
FM (30°-60°)	7214.9	39.1			
FH (60°-80°)	5270.3	28.6			G3/7500
FVH (80°-90°)	135.0	0.7			G2/225
BL (0°-30°)	945.4	5.1	B2/1000		
BM (30°-60°)	1999.4	10.8	B2/2500		
BH (60°-80°)	1493.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	106.1	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: P847486  
 CATALOG NUMBER: GLAN-SB3C-835-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7
2.5°	2767.2	2782.9	2778.0	2773.1	2773.1	2766.2	2765.3	2755.5	2747.7	2734.9
5°	2802.4	2819.1	2817.1	2821.0	2833.7	2836.7	2839.6	2833.7	2818.1	2802.4
7.5°	2771.1	2789.7	2795.6	2819.1	2858.2	2893.4	2919.8	2930.6	2915.9	2893.4
10°	2665.5	2686.0	2706.6	2762.3	2831.8	2914.9	2985.3	3027.4	3024.5	3002.9
12.5°	2451.3	2472.8	2516.8	2625.4	2752.5	2899.3	3030.3	3118.4	3148.7	3133.0
15°	2280.1	2298.7	2331.9	2443.4	2608.8	2831.8	3047.0	3218.1	3295.4	3286.6
17.5°	2275.2	2283.0	2303.6	2356.4	2483.5	2726.1	3029.4	3316.0	3463.7	3462.7
20°	2361.3	2364.2	2375.9	2386.7	2459.1	2645.9	2984.4	3397.1	3652.4	3652.4
22.5°	2480.6	2478.7	2490.4	2480.6	2515.8	2639.1	2956.0	3468.6	3862.8	3878.4
25°	2659.6	2649.8	2646.9	2624.4	2631.2	2702.7	2987.3	3549.7	4112.2	4144.5
27.5°	2898.3	2882.6	2871.9	2820.0	2802.4	2833.7	3083.2	3647.6	4390.0	4445.7
30°	3209.3	3181.0	3165.3	3075.3	3011.8	3016.6	3227.9	3777.7	4680.5	4770.5
32.5°	3633.9	3589.8	3547.8	3400.1	3283.7	3245.5	3414.8	3957.6	4995.5	5139.3
35°	4109.2	4074.0	4029.0	3801.1	3622.1	3534.1	3667.1	4209.0	5364.2	5592.1
37.5°	4567.0	4536.7	4558.2	4251.1	4020.2	3892.1	3997.7	4546.5	5819.1	6155.6
40°	5040.5	5017.0	5019.9	4726.5	4457.5	4313.7	4398.8	4970.0	6340.4	6825.6
42.5°	5555.0	5537.4	5478.7	5218.5	4916.2	4782.2	4860.5	5459.1	6899.9	7588.6
45°	6131.1	6120.3	6065.6	5767.2	5421.0	5270.3	5376.0	5999.1	7462.4	8306.5
47.5°	6629.0	6637.8	6630.9	6379.6	6020.6	5799.5	5925.7	6562.5	7985.7	8981.5
50°	6868.6	6914.6	6982.1	6903.9	6680.8	6455.9	6480.3	7106.3	8484.6	9614.3
52.5°	6743.4	6830.5	7014.4	7139.6	7225.7	7178.7	7113.2	7646.3	8954.1	10185.6
55°	6276.9	6399.1	6704.3	7006.6	7445.8	7787.1	7873.2	8244.9	9411.9	10688.3
57.5°	5426.8	5625.4	5899.3	6510.6	7250.1	8081.6	8759.4	9075.4	9897.0	11225.4
60°	3969.4	4235.4	4575.8	5485.5	6565.4	7924.1	9513.6	10350.9	10586.6	11920.8
62.5°	2540.3	2704.6	3017.6	3874.5	5115.8	7117.1	9744.4	11945.3	11755.5	13061.4
65°	1739.2	1844.8	2131.4	2612.7	3307.2	5297.7	9126.2	13140.6	13612.1	14869.0
67.5°	1263.8	1344.0	1588.5	2010.1	2154.9	3135.0	7081.9	13085.8	15416.8	16731.4
70°	921.4	978.2	1183.6	1588.5	1658.0	1744.1	4290.2	11123.6	15377.6	17226.4
72.5°	682.8	721.9	859.8	1232.5	1342.0	1177.7	2123.6	8084.5	13214.0	15581.1
75°	494.0	523.3	625.0	942.9	1074.0	897.0	1059.3	4724.5	9217.2	10960.3
77.5°	377.6	400.1	466.6	690.6	859.8	673.0	657.3	2173.5	4370.4	4391.9
80°	303.2	317.9	354.1	486.1	659.3	503.8	428.4	877.4	1381.2	1168.9
82.5°	223.0	247.5	299.3	341.4	471.5	347.2	261.2	443.1	525.3	451.9
85°	127.2	143.8	181.0	244.5	301.3	212.3	149.7	196.6	244.5	200.5
87.5°	45.0	58.7	63.6	95.9	131.1	88.0	57.7	56.7	80.2	59.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847486  
 CATALOG NUMBER: GLAN-SB3C-835-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2702.7	0°	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7	2702.7
2732.0	2.5°	2722.2	2717.3	2697.8	2671.4	2644.0	2617.6	2608.8	2590.2	2577.5	2570.6
2795.6	5°	2777.0	2761.3	2715.4	2656.7	2595.1	2528.5	2481.6	2438.6	2407.3	2377.9
2882.6	7.5°	2855.2	2827.9	2748.6	2645.9	2536.4	2425.8	2343.7	2281.1	2239.0	2211.6
2984.4	10°	2946.2	2904.2	2782.9	2629.3	2460.1	2301.6	2204.8	2151.0	2124.6	2109.9
3100.8	12.5°	3050.9	2991.2	2818.1	2591.1	2343.7	2162.7	2096.2	2080.5	2081.5	2082.5
3247.5	15°	3180.0	3096.9	2846.4	2508.0	2192.1	2056.1	2044.4	2069.8	2096.2	2108.9
3413.8	17.5°	3325.7	3208.4	2851.3	2371.1	2043.4	1987.6	2024.8	2079.6	2119.7	2137.3
3599.6	20°	3482.2	3321.8	2816.1	2177.4	1921.1	1931.9	1998.4	2068.8	2112.8	2135.3
3811.9	22.5°	3661.3	3443.1	2732.0	1973.9	1821.3	1871.2	1949.5	2017.9	2063.9	2086.4
4061.3	25°	3865.7	3579.1	2599.9	1802.7	1735.3	1802.7	1881.0	1937.7	1974.9	1995.4
4340.1	27.5°	4092.6	3720.9	2423.9	1666.8	1659.9	1732.3	1796.9	1840.9	1860.5	1876.1
4636.5	30°	4320.5	3850.0	2210.6	1564.1	1594.4	1662.9	1708.8	1728.4	1734.3	1737.2
4967.1	32.5°	4567.0	3961.5	1986.6	1479.0	1531.8	1595.4	1622.8	1631.6	1604.2	1585.6
5368.1	35°	4865.4	4080.9	1767.5	1411.5	1470.2	1525.0	1533.8	1525.9	1493.6	1455.5
5870.9	37.5°	5234.1	4229.6	1592.4	1363.6	1412.5	1448.7	1437.9	1435.9	1438.9	1393.9
6475.4	40°	5686.0	4423.2	1464.3	1326.4	1365.5	1373.3	1343.0	1359.6	1374.3	1305.8
7138.6	42.5°	6187.8	4657.0	1383.1	1301.0	1326.4	1307.8	1260.8	1279.4	1277.5	1187.5
7804.7	45°	6699.4	4911.3	1354.8	1282.4	1290.2	1253.0	1201.2	1206.1	1165.0	1083.8
8443.5	47.5°	7208.1	5184.2	1372.4	1266.7	1245.2	1203.1	1163.0	1141.5	1080.9	1020.2
9055.8	50°	7706.9	5470.8	1436.9	1235.4	1183.6	1159.1	1129.8	1091.6	1027.1	975.2
9634.9	52.5°	8169.6	5759.4	1509.3	1183.6	1106.3	1121.0	1102.4	1058.4	994.8	942.0
10182.6	55°	8607.8	6048.0	1537.7	1112.2	1033.9	1087.7	1077.0	995.8	919.5	876.4
10755.8	57.5°	9085.1	6395.2	1506.4	1021.2	975.2	1049.6	1008.5	918.5	874.5	842.2
11502.2	60°	9746.4	6940.0	1438.9	908.7	919.5	992.8	922.4	885.2	837.3	801.1
12621.2	62.5°	10844.9	7956.3	1330.3	797.2	853.9	908.7	881.3	844.2	795.2	760.0
14534.5	65°	12468.6	9368.8	1125.9	710.1	780.6	826.5	837.3	800.1	749.3	712.1
16211.0	67.5°	13838.0	10255.0	852.0	637.8	705.3	760.0	790.4	754.2	700.4	664.2
16603.3	70°	13762.7	9611.4	650.5	566.4	638.7	694.5	733.6	705.3	647.5	613.3
15081.3	72.5°	12224.1	8040.5	526.2	494.0	571.2	626.0	673.0	651.5	592.8	559.5
11048.3	75°	8980.5	5707.6	420.6	420.6	487.1	554.6	606.5	592.8	539.0	515.5
4638.4	77.5°	3785.5	2394.5	329.6	349.2	405.0	476.4	540.9	545.8	498.9	528.2
1226.6	80°	1006.5	660.3	251.4	274.9	317.9	393.2	470.5	468.5	417.7	390.3
455.8	82.5°	383.4	260.2	179.0	193.7	229.9	301.3	372.7	384.4	333.6	288.6
179.0	85°	147.7	111.5	110.5	116.4	134.0	199.5	281.7	291.5	251.4	213.2
49.9	87.5°	38.1	33.3	41.1	39.1	61.6	106.6	161.4	167.3	153.6	89.0
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°
<hr/>
2702.7
2578.4
2389.6
2217.5
2113.8
2084.5
2107.9
2141.2
2141.2
2092.3
2001.3
1882.0
1744.1
1591.5
1457.5
1396.8
1307.8
1186.5
1086.7
1020.2
971.3
942.9
872.5
839.3
799.2
760.0
714.1
665.1
616.2
559.5
508.6
479.3
362.9
288.6
220.1
127.2
0.0

F REPORT)