

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: P849776

Luminaire Tested: **GLAN-SB7A-722-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849776  
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-SB7A-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24718 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

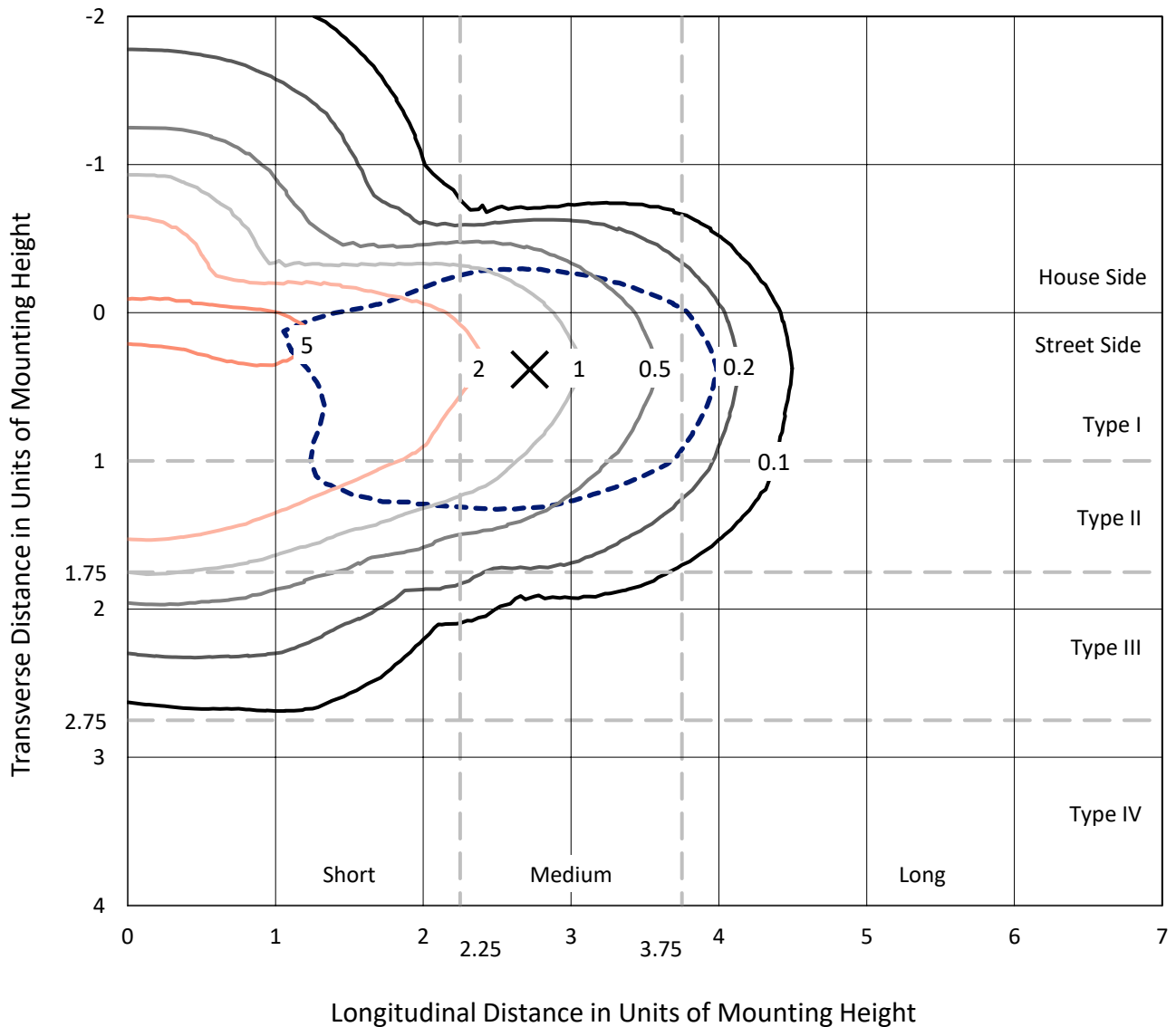
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849776  
 CATALOG NUMBER: GLAN-SB7A-722-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

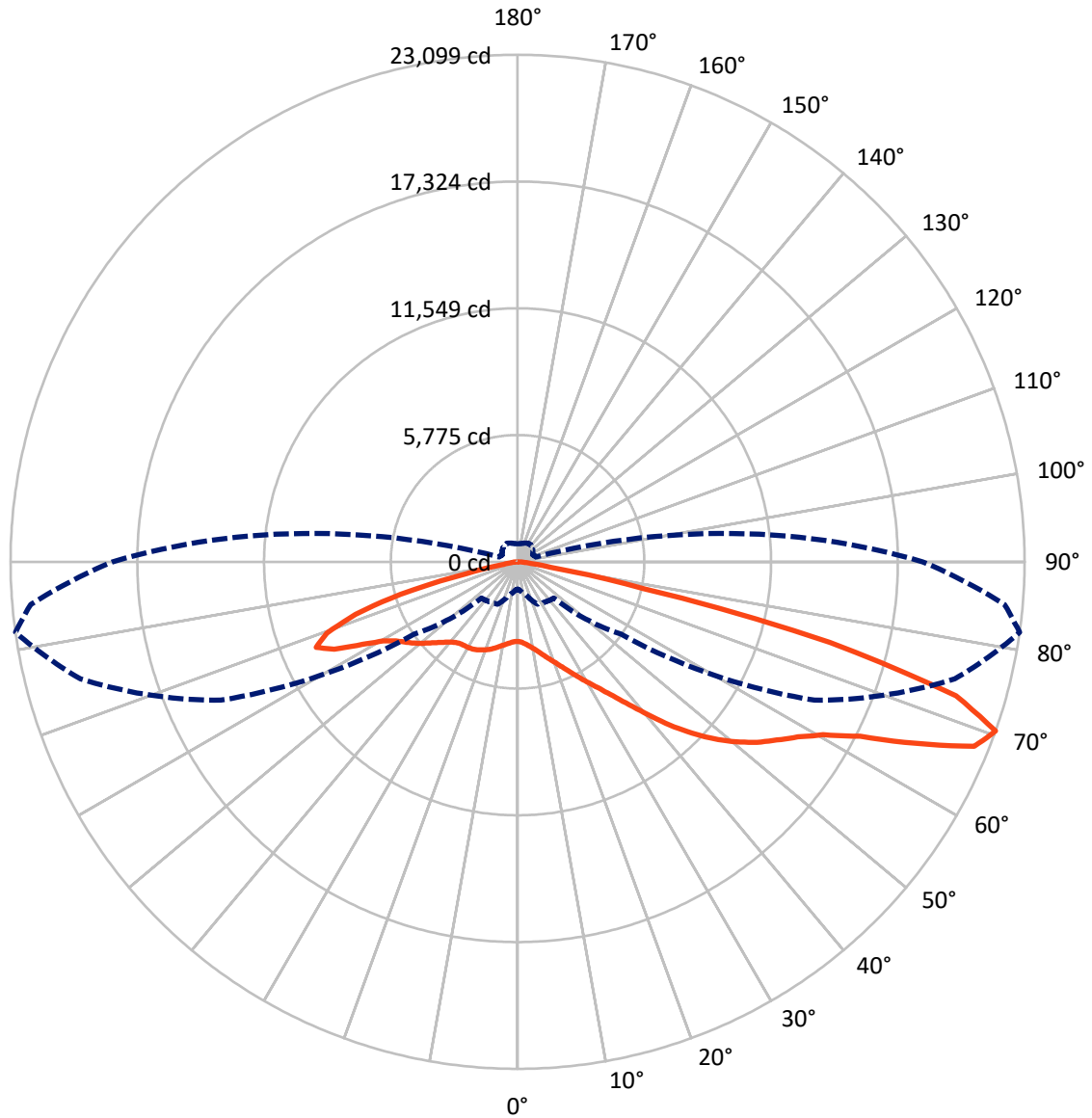
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P849776  
CATALOG NUMBER: GLAN-SB7A-722-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P849776  
 CATALOG NUMBER: GLAN-SB7A-722-U-T2

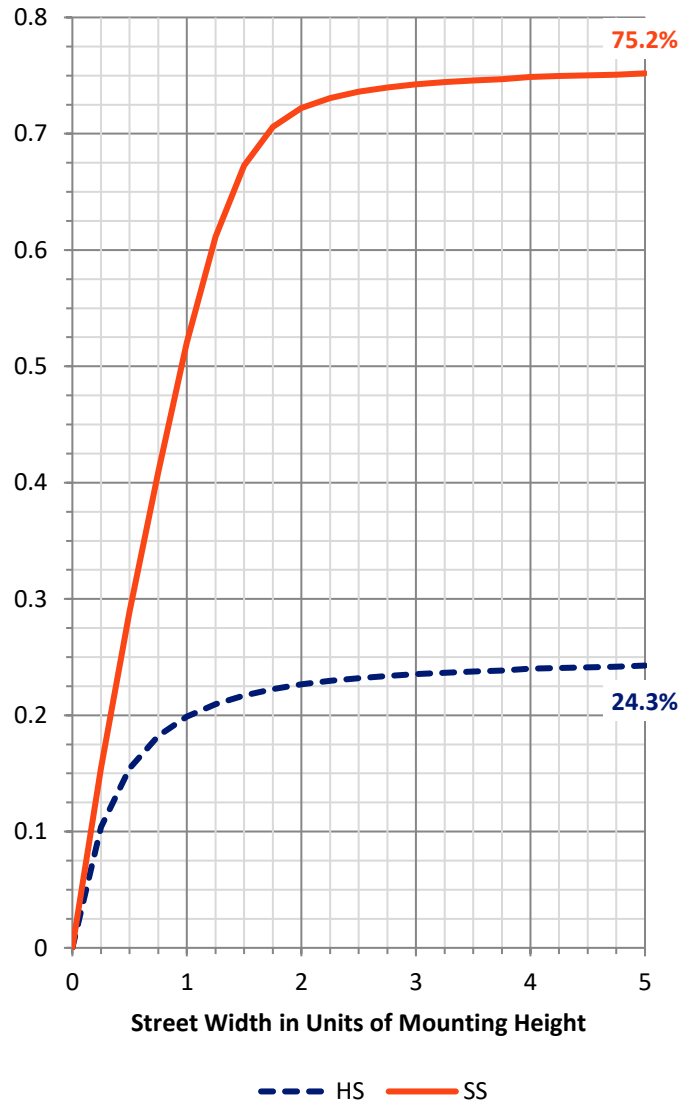
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6093.6	0.0	6093.6
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	18624.4	0.0	18624.4
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	24718.0	0.0	24718.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.2	1.4
10°-20°	983.1	4.0
20°-30°	1644.6	6.7
30°-40°	2569.2	10.4
40°-50°	4091.8	16.6
50°-60°	5694.3	23.0
60°-70°	5956.5	24.1
70°-80°	3113.2	12.6
80°-90°	323.3	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°	24718.0	100.0
0°-180°	24718.0	100.0

**Coefficient of Utilization**

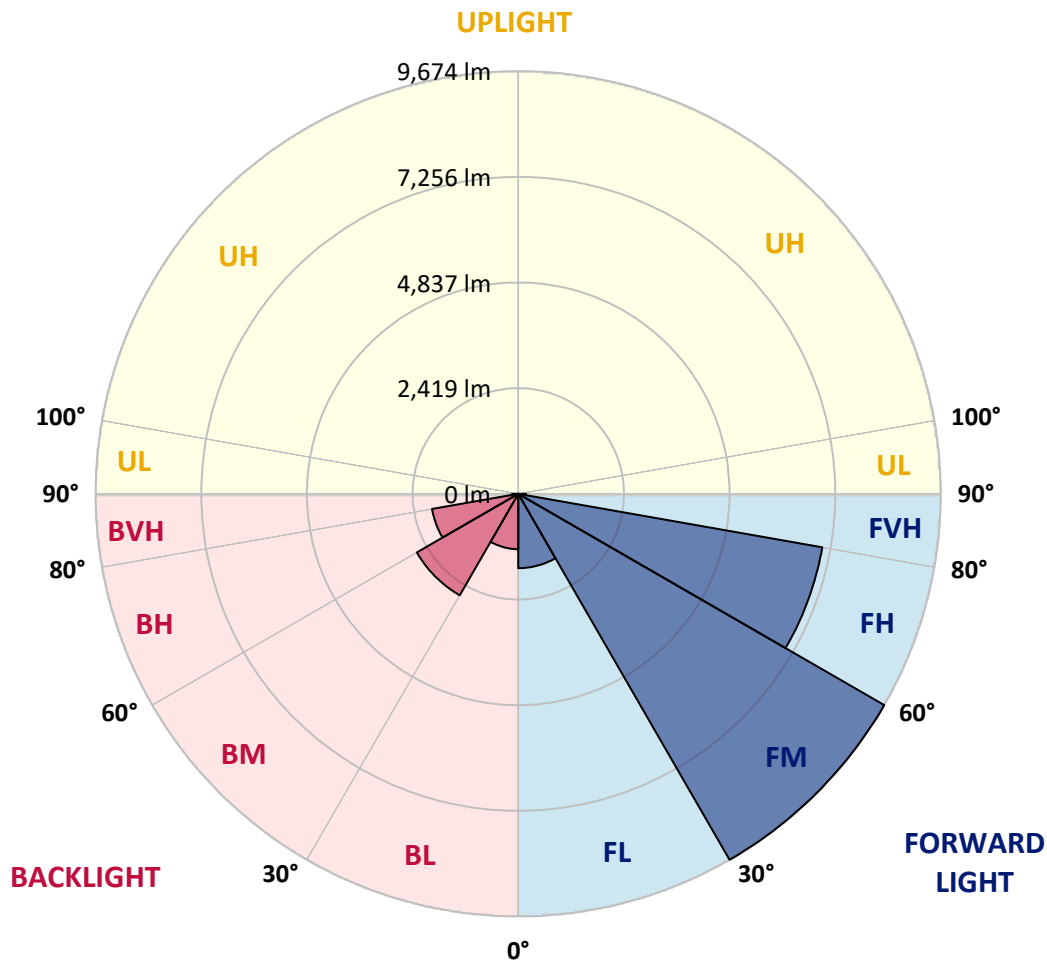


REPORT NUMBER: P849776  
 CATALOG NUMBER: GLAN-SB7A-722-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.1	6.9			
FM (30°-60°)	9674.4	39.1			
FH (60°-80°)	7067.0	28.6			G3/7500
FVH (80°-90°)	181.0	0.7			G2/225
BL (0°-30°)	1267.7	5.1	B3/2500		
BM (30°-60°)	2680.9	10.8	B3/5000		
BH (60°-80°)	2002.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	142.3	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: P849776  
 CATALOG NUMBER: GLAN-SB7A-722-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0
2.5°	3710.5	3731.5	3725.0	3718.4	3718.4	3709.2	3707.9	3694.8	3684.3	3667.3
5°	3757.8	3780.0	3777.4	3782.7	3799.7	3803.7	3807.6	3799.7	3778.7	3757.8
7.5°	3715.8	3740.7	3748.6	3780.0	3832.5	3879.7	3915.1	3929.6	3909.9	3879.7
10°	3574.1	3601.7	3629.2	3704.0	3797.1	3908.6	4003.0	4059.4	4055.5	4026.6
12.5°	3286.9	3315.7	3374.8	3520.4	3690.9	3887.6	4063.4	4181.4	4222.1	4201.1
15°	3057.4	3082.3	3126.9	3276.4	3498.1	3797.1	4085.7	4315.2	4418.8	4407.0
17.5°	3050.8	3061.3	3088.8	3159.7	3330.2	3655.4	4062.0	4446.3	4644.4	4643.1
20°	3166.2	3170.2	3185.9	3200.3	3297.4	3547.9	4001.7	4555.2	4897.5	4897.5
22.5°	3326.2	3323.6	3339.3	3326.2	3373.5	3538.7	3963.7	4651.0	5179.5	5200.5
25°	3566.3	3553.1	3549.2	3519.0	3528.2	3624.0	4005.6	4759.8	5514.0	5557.3
27.5°	3886.3	3865.3	3850.9	3781.4	3757.8	3799.7	4134.2	4891.0	5886.5	5961.3
30°	4303.4	4265.3	4244.4	4123.7	4038.4	4045.0	4328.3	5065.4	6276.0	6396.7
32.5°	4872.6	4813.6	4757.2	4559.1	4403.1	4351.9	4578.8	5306.8	6698.4	6891.2
35°	5510.1	5462.8	5402.5	5096.9	4856.9	4738.8	4917.2	5643.8	7192.8	7498.5
37.5°	6123.9	6083.2	6112.1	5700.2	5390.7	5218.9	5360.5	6096.3	7802.7	8253.9
40°	6758.7	6727.2	6731.2	6337.7	5977.0	5784.2	5898.3	6664.3	8501.8	9152.4
42.5°	7448.6	7425.0	7346.3	6997.4	6592.1	6412.4	6517.4	7320.1	9252.1	10175.4
45°	8221.1	8206.7	8133.3	7733.2	7268.9	7066.9	7208.6	8044.1	10006.2	11138.2
47.5°	8888.8	8900.6	8891.4	8554.3	8072.9	7776.5	7945.7	8799.6	10708.0	12043.2
50°	9210.1	9271.7	9362.2	9257.3	8958.3	8656.6	8689.4	9528.8	11376.9	12891.8
52.5°	9042.2	9158.9	9405.5	9573.4	9688.8	9625.9	9538.0	10252.8	12006.4	13657.8
55°	8416.6	8580.5	8989.7	9395.0	9983.9	10441.7	10557.1	11055.5	12620.3	14331.9
57.5°	7276.8	7543.0	7910.3	8730.1	9721.6	10836.5	11745.4	12169.1	13270.8	15052.0
60°	5322.5	5679.3	6135.7	7355.5	8803.5	10625.3	12756.7	13879.4	14195.5	15984.5
62.5°	3406.2	3626.6	4046.3	5195.3	6859.7	9543.2	13066.2	16017.3	15762.9	17513.9
65°	2332.0	2473.7	2858.0	3503.3	4434.5	7103.7	12237.3	17620.1	18252.3	19937.7
67.5°	1694.6	1802.1	2130.0	2695.4	2889.5	4203.7	9496.0	17546.7	20672.2	22435.0
70°	1235.5	1311.6	1587.0	2130.0	2223.2	2338.6	5752.7	14915.6	20619.8	23098.7
72.5°	915.5	968.0	1152.9	1652.6	1799.5	1579.2	2847.5	10840.4	17718.5	20892.6
75°	662.4	701.7	838.1	1264.4	1440.1	1202.7	1420.5	6335.1	12359.3	14696.5
77.5°	506.3	536.4	625.6	926.0	1152.9	902.4	881.4	2914.4	5860.3	5889.1
80°	406.6	426.3	474.8	651.9	884.0	675.5	574.5	1176.5	1852.0	1567.4
82.5°	299.0	331.8	401.4	457.8	632.2	465.6	350.2	594.2	704.3	606.0
85°	170.5	192.8	242.6	327.9	404.0	284.6	200.7	263.6	327.9	268.9
87.5°	60.3	78.7	85.3	128.5	175.8	118.0	77.4	76.1	107.6	80.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849776  
 CATALOG NUMBER: GLAN-SB7A-722-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3624.0	0°	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0	3624.0
3663.3	2.5°	3650.2	3643.6	3617.4	3582.0	3545.3	3509.9	3498.1	3473.1	3456.1	3446.9
3748.6	5°	3723.6	3702.7	3641.0	3562.3	3479.7	3390.5	3327.5	3269.8	3227.9	3188.5
3865.3	7.5°	3828.6	3791.9	3685.6	3547.9	3401.0	3252.8	3142.6	3058.7	3002.3	2965.5
4001.7	10°	3950.6	3894.2	3731.5	3525.6	3298.7	3086.2	2956.4	2884.2	2848.8	2829.1
4157.8	12.5°	4090.9	4010.9	3778.7	3474.4	3142.6	2900.0	2810.8	2789.8	2791.1	2792.4
4354.5	15°	4264.0	4152.5	3816.8	3363.0	2939.3	2757.0	2741.3	2775.4	2810.8	2827.8
4577.5	17.5°	4459.5	4302.1	3823.3	3179.3	2739.9	2665.2	2715.0	2788.5	2842.3	2865.9
4826.7	20°	4669.3	4454.2	3776.1	2919.6	2576.0	2590.4	2679.6	2774.0	2833.1	2863.2
5111.3	22.5°	4909.3	4616.9	3663.3	2646.8	2442.2	2509.1	2614.0	2705.8	2767.5	2797.7
5445.8	25°	5183.5	4799.2	3486.2	2417.3	2326.8	2417.3	2522.2	2598.3	2648.1	2675.7
5819.6	27.5°	5487.8	4989.3	3250.2	2235.0	2225.8	2322.9	2409.4	2468.4	2494.7	2515.7
6217.0	30°	5793.4	5162.5	2964.2	2097.3	2137.9	2229.7	2291.4	2317.6	2325.5	2329.4
6660.3	32.5°	6123.9	5312.0	2663.9	1983.1	2054.0	2139.2	2176.0	2187.8	2151.0	2126.1
7198.1	35°	6523.9	5472.0	2370.1	1892.6	1971.3	2044.8	2056.6	2046.1	2002.8	1951.7
7872.3	37.5°	7018.4	5671.4	2135.3	1828.4	1894.0	1942.5	1928.1	1925.4	1929.4	1869.0
8682.8	40°	7624.4	5931.1	1963.5	1778.5	1831.0	1841.5	1800.8	1823.1	1842.8	1751.0
9572.1	42.5°	8297.2	6244.6	1854.6	1744.4	1778.5	1753.6	1690.7	1715.6	1713.0	1592.3
10465.3	45°	8983.2	6585.6	1816.6	1719.5	1730.0	1680.2	1610.7	1617.2	1562.1	1453.3
11321.8	47.5°	9665.2	6951.5	1840.2	1698.5	1669.7	1613.3	1559.5	1530.6	1449.3	1368.0
12142.9	50°	10334.1	7335.8	1926.7	1656.6	1587.0	1554.3	1514.9	1463.8	1377.2	1307.7
12919.3	52.5°	10954.5	7722.7	2023.8	1587.0	1483.4	1503.1	1478.2	1419.2	1333.9	1263.1
13653.8	55°	11542.1	8109.7	2061.8	1491.3	1386.4	1458.5	1444.1	1335.2	1232.9	1175.2
14422.4	57.5°	12182.2	8575.3	2019.9	1369.3	1307.7	1407.4	1352.3	1231.6	1172.6	1129.3
15423.2	60°	13068.8	9305.8	1929.4	1218.5	1232.9	1331.3	1236.8	1187.0	1122.7	1074.2
16923.7	62.5°	14541.8	10668.6	1783.8	1069.0	1145.0	1218.5	1181.8	1131.9	1066.3	1019.1
19489.2	65°	16719.0	12562.6	1509.7	952.2	1046.7	1108.3	1122.7	1072.9	1004.7	954.8
21737.2	67.5°	18555.3	13750.9	1142.4	855.2	945.7	1019.1	1059.8	1011.2	939.1	890.6
22263.2	70°	18454.3	12887.8	872.2	759.4	856.5	931.2	983.7	945.7	868.3	822.4
20222.3	72.5°	16391.1	10781.4	705.6	662.4	766.0	839.4	902.4	873.5	794.8	750.2
14814.6	75°	12041.9	7653.2	564.0	564.0	653.2	743.7	813.2	794.8	722.7	691.2
6219.6	77.5°	5075.9	3210.8	442.0	468.2	543.0	638.8	725.3	731.9	668.9	708.3
1644.8	80°	1349.6	885.3	337.1	368.6	426.3	527.3	630.9	628.3	560.1	523.3
611.2	82.5°	514.1	348.9	240.0	259.7	308.2	404.0	499.7	515.5	447.3	386.9
240.0	85°	198.1	149.5	148.2	156.1	179.7	267.6	377.7	390.9	337.1	285.9
66.9	87.5°	51.2	44.6	55.1	52.5	82.6	143.0	216.4	224.3	205.9	119.4
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°
3624.0
3457.4
3204.3
2973.4
2834.4
2795.0
2826.5
2871.1
2871.1
2805.5
2683.5
2523.5
2338.6
2134.0
1954.3
1873.0
1753.6
1591.0
1457.2
1368.0
1302.4
1264.4
1170.0
1125.4
1071.6
1019.1
957.5
891.9
826.3
750.2
682.0
642.7
486.6
386.9
295.1
170.5
0.0

F REPORT)