

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: P846906

Luminaire Tested: **GLAN-SB2D-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846906  
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-SB2D-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19478 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

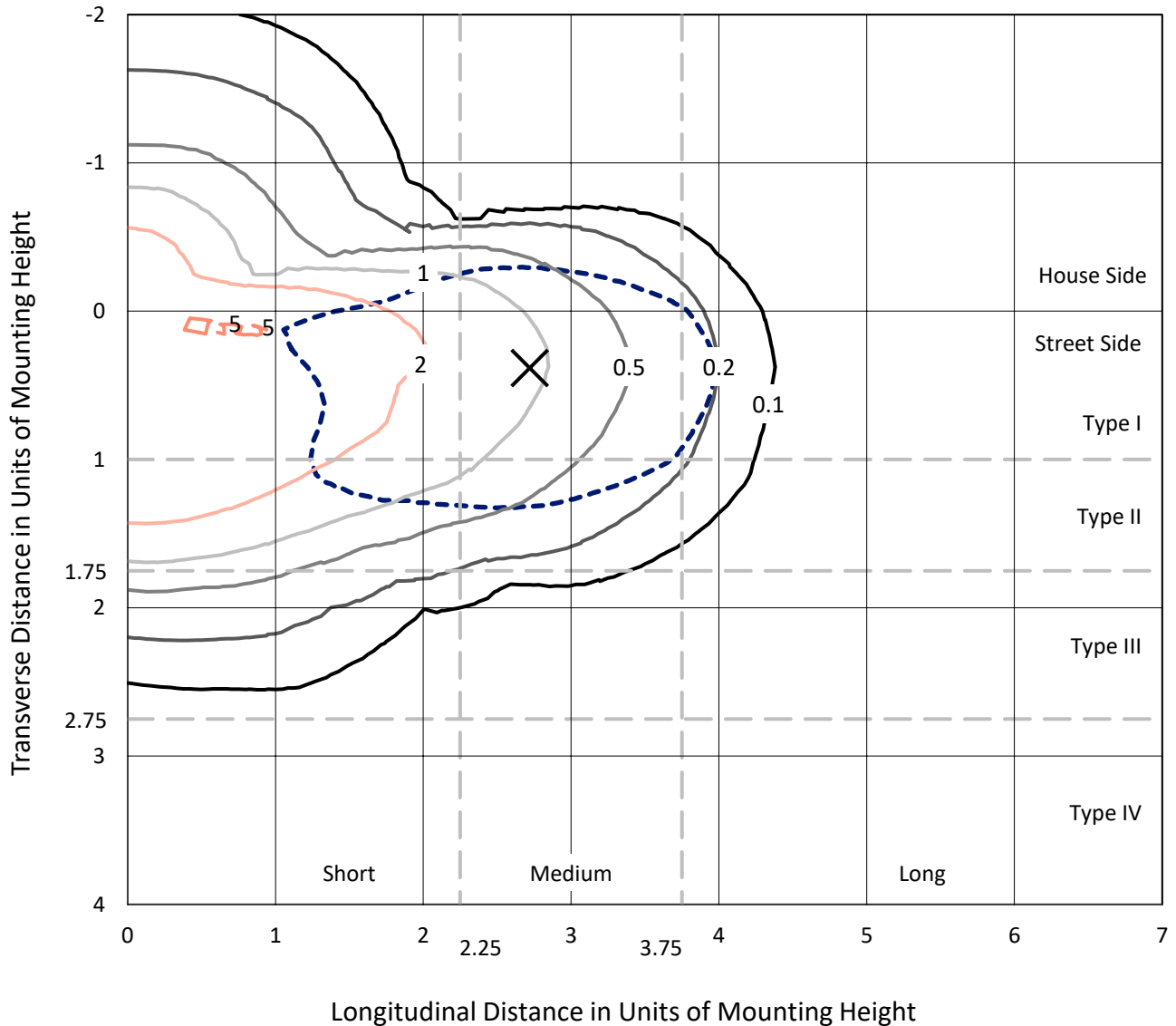
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846906  
 CATALOG NUMBER: GLAN-SB2D-730-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

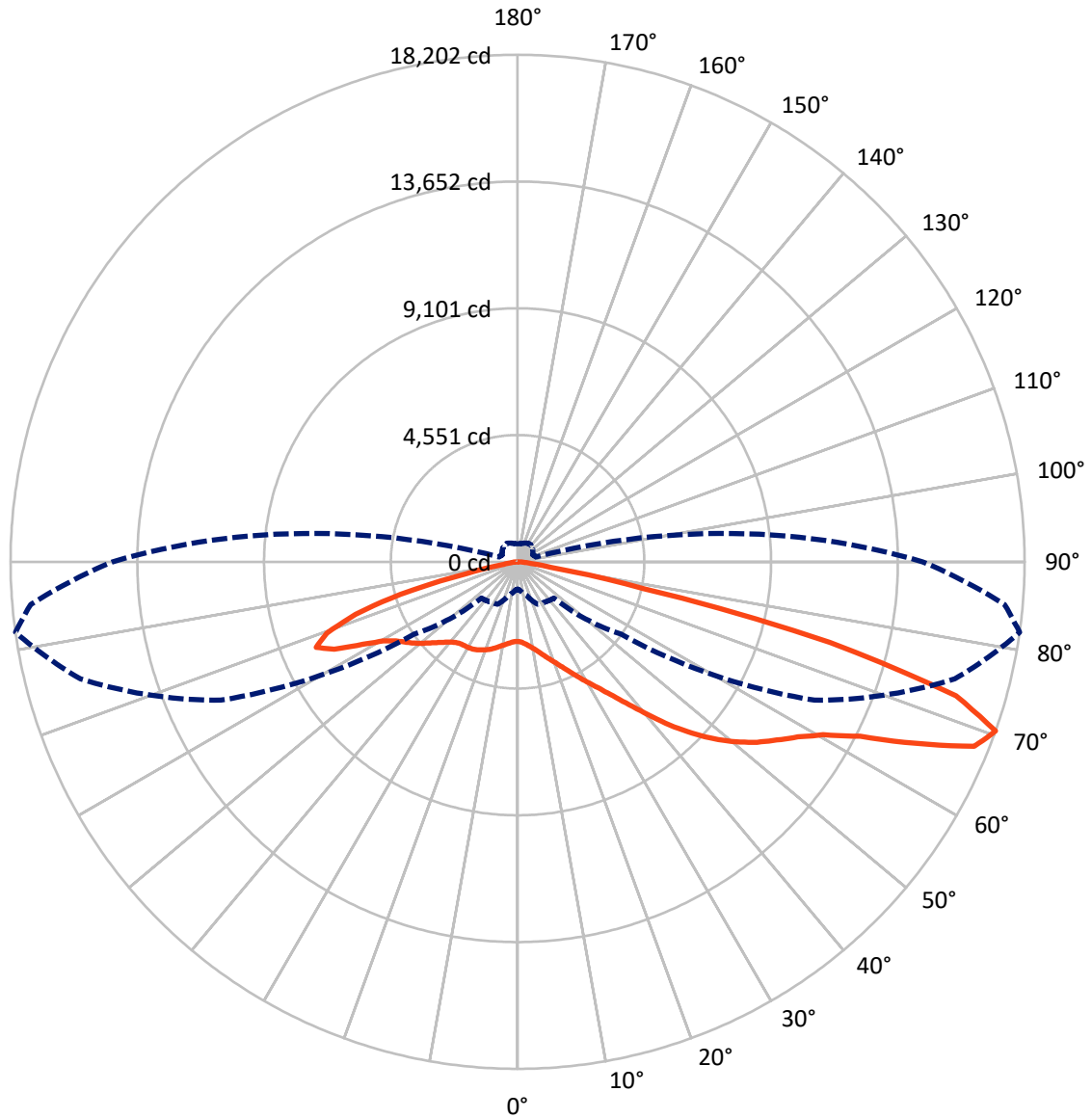
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P846906  
CATALOG NUMBER: GLAN-SB2D-730-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846906  
 CATALOG NUMBER: GLAN-SB2D-730-U-T2

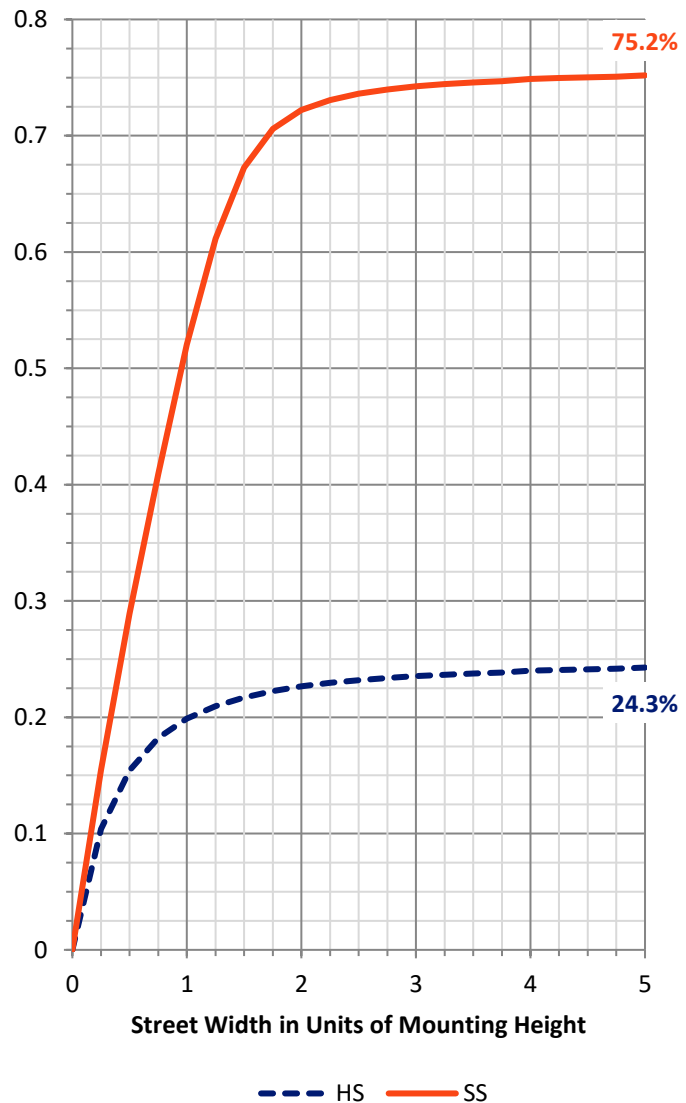
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4801.8	0.0	4801.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	14676.2	0.0	14676.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	19478.0	0.0	19478.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.6	1.4
10°-20°	774.7	4.0
20°-30°	1295.9	6.7
30°-40°	2024.6	10.4
40°-50°	3224.4	16.6
50°-60°	4487.1	23.0
60°-70°	4693.7	24.1
70°-80°	2453.2	12.6
80°-90°	254.7	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°	19478.0	100.0
0°-180°	19478.0	100.0

**Coefficient of Utilization**

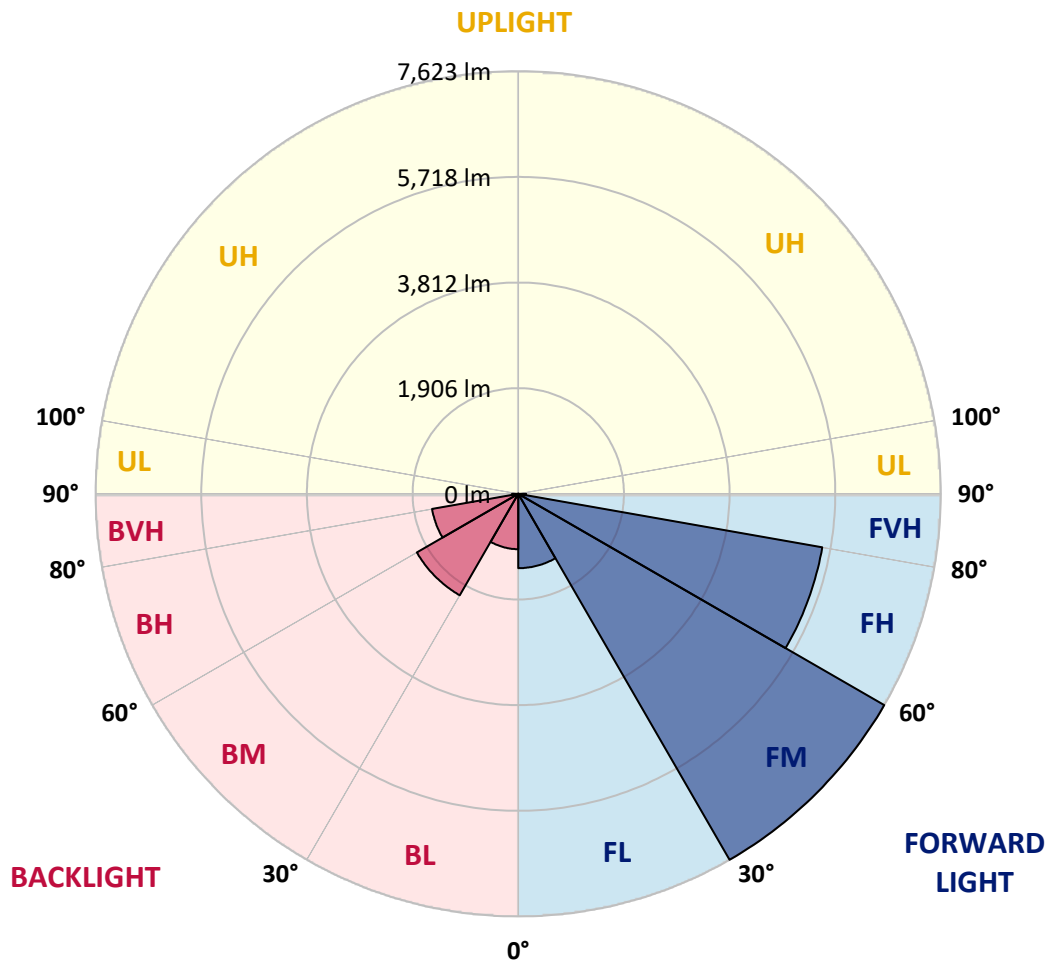


REPORT NUMBER: P846906  
 CATALOG NUMBER: GLAN-SB2D-730-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.3	6.9			
FM (30°-60°)	7623.5	39.1			
FH (60°-80°)	5568.8	28.6			G3/7500
FVH (80°-90°)	142.6	0.7			G2/225
BL (0°-30°)	999.0	5.1	B2/1000		
BM (30°-60°)	2112.6	10.8	B2/2500		
BH (60°-80°)	1578.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	112.1	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: P846906  
 CATALOG NUMBER: GLAN-SB2D-730-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7
2.5°	2923.9	2940.5	2935.3	2930.1	2930.1	2922.9	2921.9	2911.5	2903.3	2889.8
5°	2961.1	2978.7	2976.6	2980.8	2994.2	2997.3	3000.4	2994.2	2977.7	2961.1
7.5°	2928.1	2947.7	2953.9	2978.7	3020.1	3057.3	3085.2	3096.5	3081.0	3057.3
10°	2816.4	2838.1	2859.9	2918.8	2992.1	3080.0	3154.4	3198.9	3195.8	3173.0
12.5°	2590.1	2612.8	2659.3	2774.1	2908.4	3063.5	3202.0	3295.0	3327.0	3310.5
15°	2409.2	2428.9	2464.0	2581.8	2756.5	2992.1	3219.5	3400.4	3482.1	3472.8
17.5°	2404.1	2412.3	2434.0	2489.8	2624.2	2880.5	3200.9	3503.8	3659.8	3658.8
20°	2495.0	2498.1	2510.5	2521.9	2598.4	2795.8	3153.4	3589.5	3859.3	3859.3
22.5°	2621.1	2619.0	2631.4	2621.1	2658.3	2788.5	3123.4	3665.0	4081.5	4098.1
25°	2810.2	2799.9	2796.8	2773.0	2780.3	2855.7	3156.5	3750.8	4345.1	4379.2
27.5°	3062.4	3045.9	3034.5	2979.7	2961.1	2994.2	3257.8	3854.1	4638.6	4697.5
30°	3391.1	3361.1	3344.6	3249.5	3182.3	3187.5	3410.7	3991.6	4945.6	5040.7
32.5°	3839.7	3793.2	3748.7	3592.6	3469.7	3429.3	3608.1	4181.8	5278.4	5430.3
35°	4342.0	4304.8	4257.2	4016.4	3827.3	3734.2	3874.8	4447.4	5668.0	5908.8
37.5°	4825.7	4793.6	4816.4	4491.8	4247.9	4112.5	4224.1	4804.0	6148.6	6504.2
40°	5325.9	5301.1	5304.2	4994.1	4709.9	4558.0	4647.9	5251.5	6699.5	7212.2
42.5°	5869.6	5851.0	5789.0	5514.0	5194.7	5053.1	5135.7	5768.3	7290.7	8018.3
45°	6478.3	6467.0	6409.1	6093.9	5728.0	5568.8	5680.4	6338.8	7885.0	8777.0
47.5°	7004.4	7013.7	7006.5	6740.9	6361.5	6128.0	6261.3	6934.1	8438.0	9490.1
50°	7257.6	7306.2	7377.5	7294.8	7059.2	6821.5	6847.3	7508.8	8965.1	10158.8
52.5°	7125.3	7217.3	7411.6	7543.9	7634.9	7585.3	7516.0	8079.3	9461.2	10762.4
55°	6632.3	6761.5	7084.0	7403.4	7867.4	8228.1	8319.1	8711.9	9944.9	11293.7
57.5°	5734.2	5944.0	6233.4	6879.4	7660.7	8539.2	9255.5	9589.3	10457.5	11861.1
60°	4194.2	4475.3	4835.0	5796.2	6937.2	8372.8	10052.4	10937.1	11186.2	12596.0
62.5°	2684.1	2857.8	3188.5	4093.9	5405.5	7520.2	10296.3	12621.8	12421.3	13801.1
65°	1837.7	1949.3	2252.1	2760.6	3494.5	5597.7	9643.1	13884.8	14383.0	15711.1
67.5°	1335.4	1420.1	1678.5	2124.0	2276.9	3312.6	7483.0	13826.9	16289.9	17679.0
70°	973.6	1033.6	1250.6	1678.5	1751.9	1842.8	4533.2	11753.6	16248.6	18202.0
72.5°	721.4	762.8	908.5	1302.3	1418.0	1244.4	2243.9	8542.3	13962.3	16463.5
75°	521.9	553.0	660.4	996.3	1134.8	947.8	1119.3	4992.1	9739.2	11581.0
77.5°	399.0	422.7	493.0	729.7	908.5	711.1	694.6	2296.6	4617.9	4640.7
80°	320.4	335.9	374.1	513.7	696.6	532.3	452.7	927.1	1459.4	1235.1
82.5°	235.7	261.5	316.3	360.7	498.2	366.9	276.0	468.2	555.0	477.5
85°	134.4	151.9	191.2	258.4	318.3	224.3	158.1	207.7	258.4	211.9
87.5°	47.5	62.0	67.2	101.3	138.5	93.0	61.0	59.9	84.8	63.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846906  
 CATALOG NUMBER: GLAN-SB2D-730-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2855.7	0°	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7
2886.7	2.5°	2876.4	2871.2	2850.6	2822.6	2793.7	2765.8	2756.5	2736.9	2723.4	2716.2
2953.9	5°	2934.3	2917.7	2869.2	2807.1	2742.0	2671.7	2622.1	2576.7	2543.6	2512.6
3045.9	7.5°	3017.0	2988.0	2904.3	2795.8	2680.0	2563.2	2476.4	2410.3	2365.8	2336.9
3153.4	10°	3113.1	3068.6	2940.5	2778.2	2599.4	2432.0	2329.6	2272.8	2244.9	2229.4
3276.4	12.5°	3223.7	3160.6	2977.7	2737.9	2476.4	2285.2	2214.9	2198.4	2199.4	2200.4
3431.4	15°	3360.1	3272.2	3007.7	2650.0	2316.2	2172.5	2160.1	2187.0	2214.9	2228.3
3607.1	17.5°	3514.1	3390.1	3012.8	2505.3	2159.1	2100.2	2139.5	2197.3	2239.7	2258.3
3803.5	20°	3679.5	3510.0	2975.6	2300.7	2029.9	2041.3	2111.6	2186.0	2232.5	2256.3
4027.8	22.5°	3868.6	3638.1	2886.7	2085.7	1924.5	1977.2	2059.9	2132.2	2180.8	2204.6
4291.3	25°	4084.6	3781.8	2747.2	1904.8	1833.5	1904.8	1987.5	2047.5	2086.8	2108.5
4585.9	27.5°	4324.4	3931.7	2561.2	1761.2	1753.9	1830.4	1898.6	1945.2	1965.8	1982.4
4899.1	30°	4565.2	4068.1	2335.8	1652.7	1684.7	1757.0	1805.6	1826.3	1832.5	1835.6
5248.4	32.5°	4825.7	4185.9	2099.2	1562.7	1618.6	1685.7	1714.7	1724.0	1695.0	1675.4
5672.2	35°	5140.9	4312.0	1867.6	1491.4	1553.4	1611.3	1620.6	1612.3	1578.2	1537.9
6203.4	37.5°	5530.6	4469.1	1682.6	1440.8	1492.5	1530.7	1519.3	1517.3	1520.4	1472.8
6842.1	40°	6008.1	4673.7	1547.2	1401.5	1442.8	1451.1	1419.1	1436.6	1452.1	1379.8
7542.9	42.5°	6538.3	4920.8	1461.4	1374.6	1401.5	1381.9	1332.3	1351.9	1349.8	1254.7
8246.8	45°	7078.8	5189.5	1431.5	1355.0	1363.3	1324.0	1269.2	1274.4	1231.0	1145.2
8921.7	47.5°	7616.3	5477.9	1450.1	1338.5	1315.7	1271.3	1228.9	1206.2	1142.1	1078.0
9568.7	50°	8143.4	5780.7	1518.3	1305.4	1250.6	1224.8	1193.8	1153.4	1085.2	1030.5
10180.5	52.5°	8632.3	6085.6	1594.8	1250.6	1169.0	1184.5	1164.8	1118.3	1051.1	995.3
10759.3	55°	9095.3	6390.5	1624.8	1175.2	1092.5	1149.3	1137.9	1052.2	971.5	926.1
11365.0	57.5°	9599.7	6757.4	1591.7	1079.0	1030.5	1109.0	1065.6	970.5	924.0	889.9
12153.6	60°	10298.4	7333.1	1520.4	960.2	971.5	1049.1	974.6	935.4	884.7	846.5
13336.0	62.5°	11459.0	8407.0	1405.6	842.3	902.3	960.2	931.2	892.0	840.3	803.1
15357.6	65°	13174.8	9899.4	1189.6	750.4	824.8	873.4	884.7	845.4	791.7	752.4
17129.1	67.5°	14621.7	10835.8	900.2	673.9	745.2	803.1	835.1	796.9	740.0	701.8
17543.6	70°	14542.1	10155.7	687.3	598.4	674.9	733.8	775.2	745.2	684.2	648.0
15935.4	72.5°	12916.4	8495.8	556.1	521.9	603.6	661.5	711.1	688.3	626.3	591.2
11674.0	75°	9489.1	6030.8	444.4	444.4	514.7	586.0	640.8	626.3	569.5	544.7
4901.1	77.5°	3999.9	2530.1	348.3	369.0	427.9	503.3	571.6	576.7	527.1	558.1
1296.1	80°	1063.5	697.7	265.6	290.4	335.9	415.5	497.1	495.1	441.3	412.4
481.6	82.5°	405.2	274.9	189.1	204.6	242.9	318.3	393.8	406.2	352.4	304.9
189.1	85°	156.1	117.8	116.8	123.0	141.6	210.8	297.7	308.0	265.6	225.3
52.7	87.5°	40.3	35.1	43.4	41.3	65.1	112.7	170.5	176.7	162.3	94.1
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



<u>180°</u>
2855.7
2724.5
2525.0
2343.1
2233.5
2202.5
2227.3
2262.5
2262.5
2210.8
2114.7
1988.6
1842.8
1681.6
1540.0
1475.9
1381.9
1253.7
1148.3
1078.0
1026.3
996.3
921.9
886.8
844.4
803.1
754.5
702.8
651.1
591.2
537.4
506.4
383.4
304.9
232.6
134.4
0.0

F REPORT)