

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: P849106

Luminaire Tested: **GLAN-SB6A-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849106
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-SB6A-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23969 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

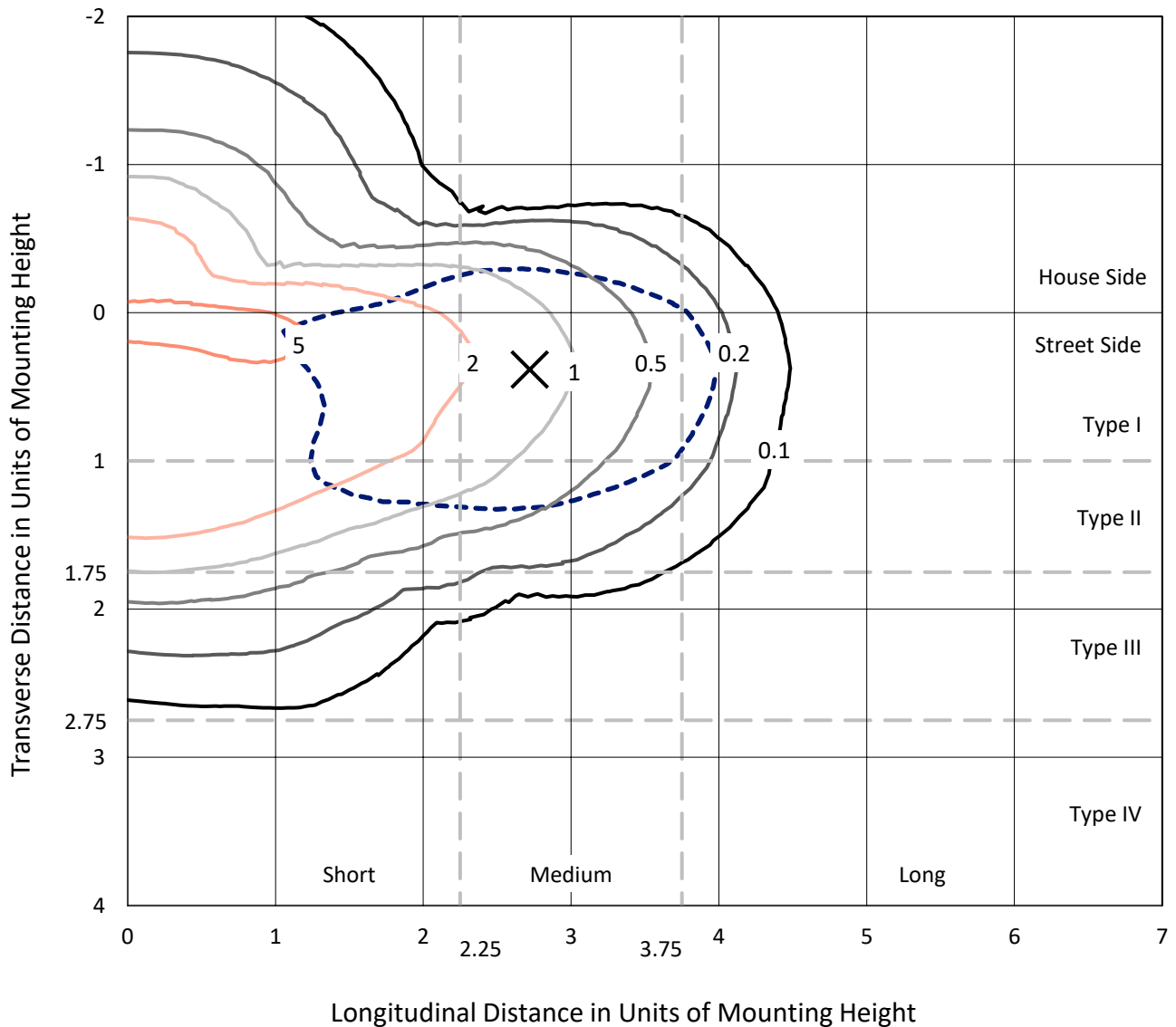
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849106
 CATALOG NUMBER: GLAN-SB6A-727-U-T2

Iso-Footcandle Lines of Horizontal Illumination

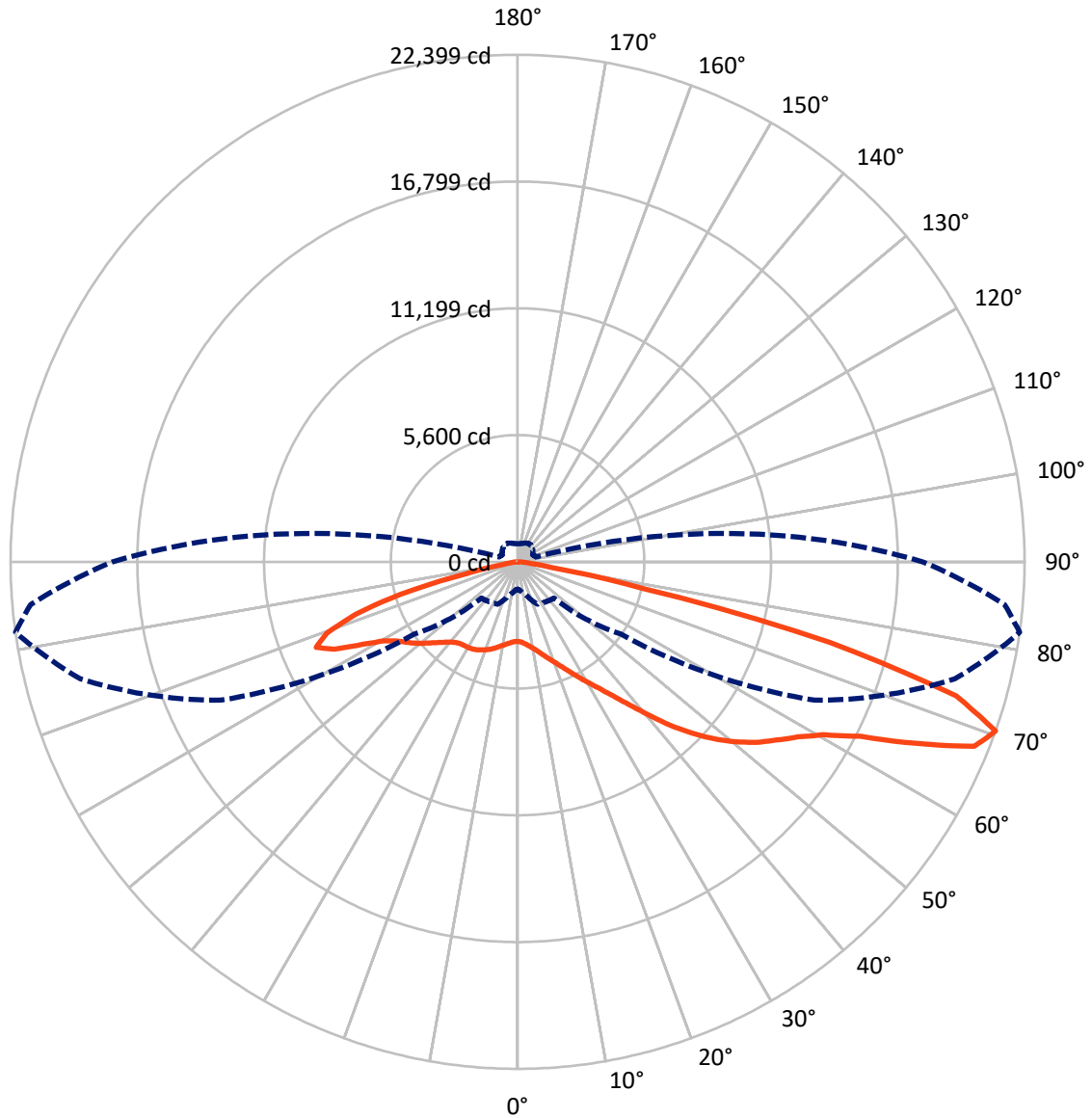
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P849106
CATALOG NUMBER: GLAN-SB6A-727-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849106
 CATALOG NUMBER: GLAN-SB6A-727-U-T2

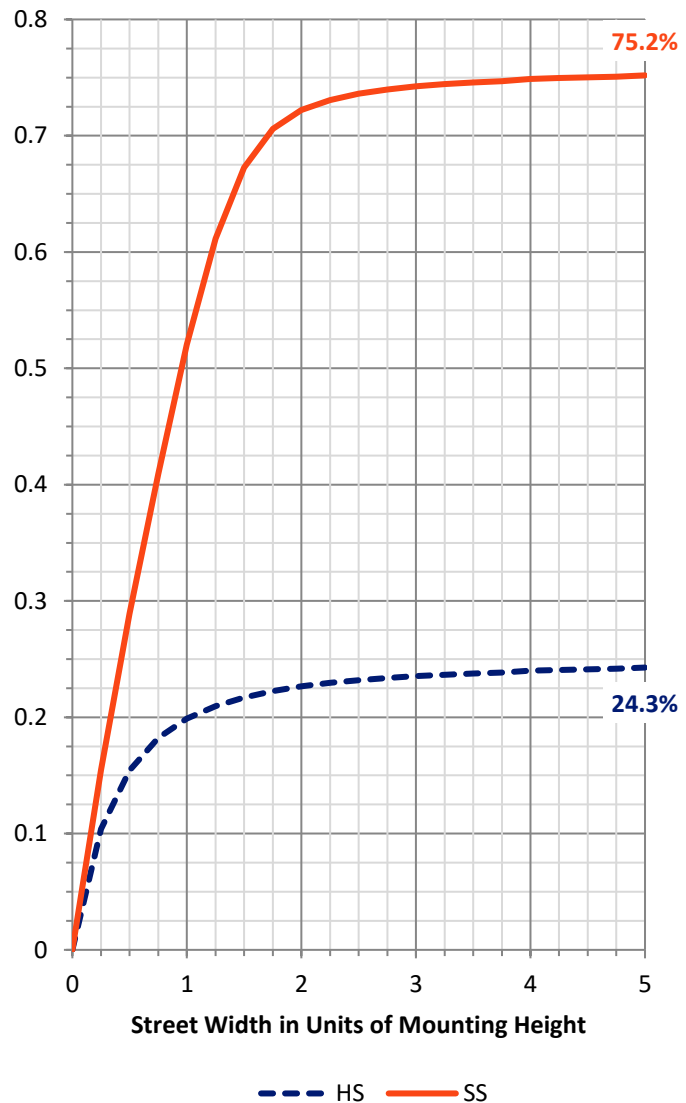
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5909.0	0.0	5909.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18060.1	0.0	18060.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	23969.0	0.0	23969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.8	1.4
10°-20°	953.3	4.0
20°-30°	1594.7	6.7
30°-40°	2491.4	10.4
40°-50°	3967.8	16.6
50°-60°	5521.7	23.0
60°-70°	5776.0	24.1
70°-80°	3018.8	12.6
80°-90°	313.5	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°	23969.0	100.0
0°-180°	23969.0	100.0

Coefficient of Utilization

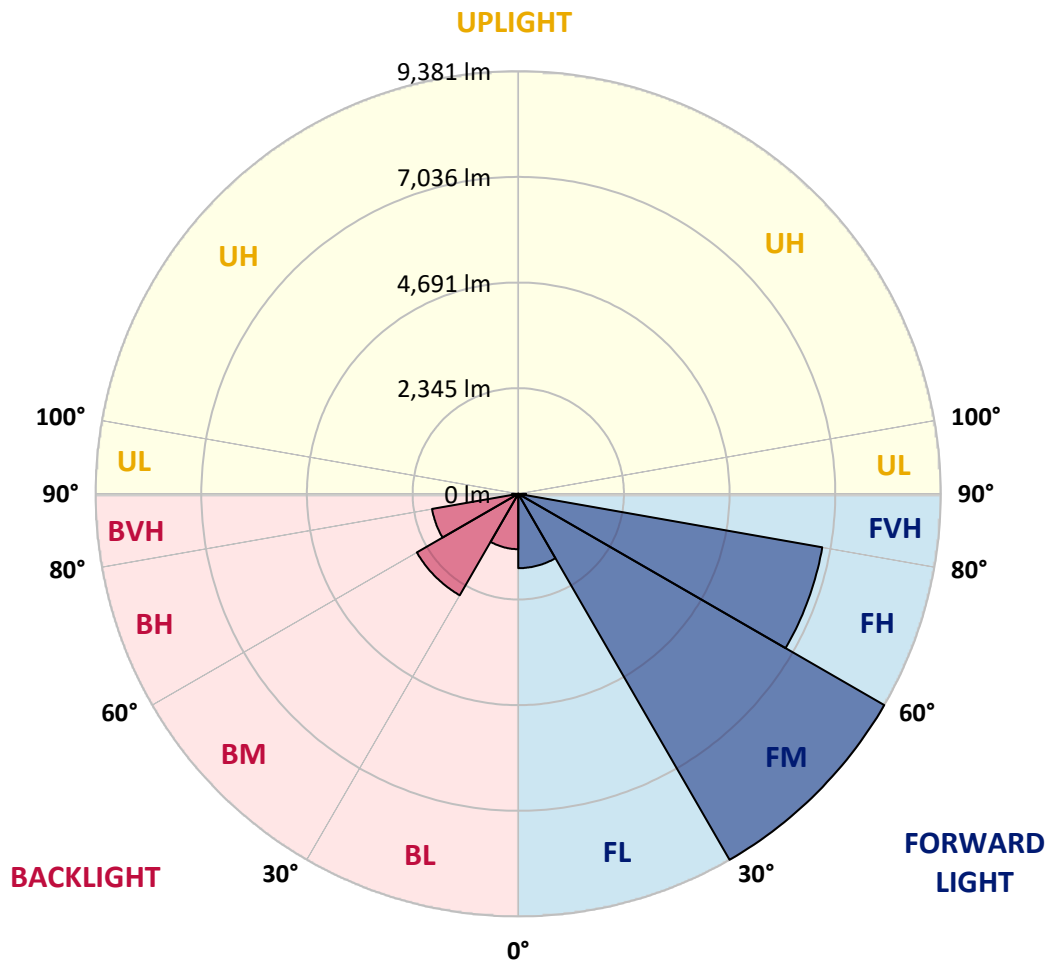


REPORT NUMBER: P849106
 CATALOG NUMBER: GLAN-SB6A-727-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.5	6.9			
FM (30°-60°)	9381.2	39.1			
FH (60°-80°)	6852.8	28.6			G3/7500
FVH (80°-90°)	175.5	0.7			G2/225
BL (0°-30°)	1229.3	5.1	B3/2500		
BM (30°-60°)	2599.7	10.8	B3/5000		
BH (60°-80°)	1942.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	138.0	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: P849106
 CATALOG NUMBER: GLAN-SB6A-727-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2
2.5°	3598.1	3618.4	3612.1	3605.7	3605.7	3596.8	3595.6	3582.8	3572.7	3556.1
5°	3643.9	3665.5	3663.0	3668.1	3684.6	3688.4	3692.2	3684.6	3664.2	3643.9
7.5°	3603.2	3627.4	3635.0	3665.5	3716.4	3762.2	3796.5	3810.5	3791.4	3762.2
10°	3465.8	3492.5	3519.2	3591.7	3682.0	3790.1	3881.7	3936.4	3932.6	3904.6
12.5°	3187.3	3215.3	3272.5	3413.7	3579.0	3769.8	3940.2	4054.7	4094.1	4073.8
15°	2964.7	2988.9	3032.1	3177.1	3392.1	3682.0	3961.9	4184.4	4284.9	4273.5
17.5°	2958.4	2968.5	2995.2	3063.9	3229.3	3544.7	3939.0	4311.6	4503.7	4502.4
20°	3070.3	3074.1	3089.4	3103.3	3197.5	3440.4	3880.5	4417.2	4749.1	4749.1
22.5°	3225.4	3222.9	3238.2	3225.4	3271.2	3431.5	3843.6	4510.0	5022.6	5042.9
25°	3458.2	3445.5	3441.7	3412.4	3421.3	3514.2	3884.3	4615.6	5346.9	5388.9
27.5°	3768.5	3748.2	3734.2	3666.8	3643.9	3684.6	4008.9	4742.8	5708.1	5780.6
30°	4173.0	4136.1	4115.7	3998.7	3916.1	3922.4	4197.1	4911.9	6085.9	6202.9
32.5°	4725.0	4667.7	4613.0	4421.0	4269.6	4220.0	4440.1	5146.0	6495.4	6682.4
35°	5343.1	5297.3	5238.8	4942.5	4709.7	4595.2	4768.2	5472.8	6974.9	7271.2
37.5°	5938.3	5898.9	5926.9	5527.5	5227.4	5060.7	5198.1	5911.6	7566.3	8003.8
40°	6553.9	6523.4	6527.2	6145.6	5795.9	5608.9	5719.6	6462.3	8244.2	8875.1
42.5°	7222.9	7200.0	7123.7	6785.4	6392.4	6218.1	6319.9	7098.3	8971.7	9867.1
45°	7972.0	7958.0	7886.8	7498.9	7048.7	6852.8	6990.2	7800.3	9703.0	10800.7
47.5°	8619.4	8630.9	8622.0	8295.1	7828.3	7540.9	7704.9	8532.9	10383.5	11678.2
50°	8931.0	8990.8	9078.6	8976.8	8686.8	8394.3	8426.1	9240.1	11032.1	12501.1
52.5°	8768.2	8881.4	9120.5	9283.3	9395.2	9334.2	9249.0	9942.1	11642.6	13243.9
55°	8161.5	8320.5	8717.3	9110.3	9681.4	10125.3	10237.2	10720.5	12237.9	13897.6
57.5°	7056.3	7314.5	7670.6	8465.5	9427.0	10508.1	11389.5	11800.3	12868.7	14595.9
60°	5161.2	5507.2	5949.8	7132.6	8536.7	10303.4	12370.1	13458.8	13765.4	15500.2
62.5°	3303.0	3516.7	3923.7	5037.8	6651.8	9254.1	12670.3	15532.0	15285.2	16983.2
65°	2261.4	2398.7	2771.4	3397.1	4300.2	6888.4	11866.5	17086.2	17699.2	19333.6
67.5°	1643.2	1747.5	2065.5	2613.7	2801.9	4076.3	9208.3	17015.0	20045.8	21755.2
70°	1198.1	1271.9	1539.0	2065.5	2155.8	2267.7	5578.4	14463.6	19994.9	22398.8
72.5°	887.8	938.6	1118.0	1602.5	1745.0	1531.3	2761.2	10511.9	17181.6	20259.5
75°	642.3	680.4	812.7	1226.1	1396.5	1166.3	1377.4	6143.1	11984.8	14251.2
77.5°	490.9	520.2	606.7	897.9	1118.0	875.0	854.7	2826.1	5682.7	5710.7
80°	394.3	413.4	460.4	632.1	857.2	655.0	557.1	1140.9	1795.9	1519.9
82.5°	290.0	321.8	389.2	443.9	613.0	451.5	339.6	576.2	683.0	587.6
85°	165.3	187.0	235.3	318.0	391.7	276.0	194.6	255.6	318.0	260.7
87.5°	58.5	76.3	82.7	124.6	170.4	114.5	75.0	73.8	104.3	77.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849106
 CATALOG NUMBER: GLAN-SB6A-727-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3514.2	0°	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2	3514.2
3552.3	2.5°	3539.6	3533.2	3507.8	3473.5	3437.8	3403.5	3392.1	3367.9	3351.4	3342.5
3635.0	5°	3610.8	3590.5	3530.7	3454.4	3374.3	3287.8	3226.7	3170.8	3130.1	3091.9
3748.2	7.5°	3712.6	3677.0	3573.9	3440.4	3297.9	3154.2	3047.4	2966.0	2911.3	2875.7
3880.5	10°	3830.8	3776.2	3618.4	3418.8	3198.7	2992.7	2866.8	2796.8	2762.5	2743.4
4031.8	12.5°	3966.9	3889.4	3664.2	3369.2	3047.4	2812.1	2725.6	2705.3	2706.5	2707.8
4222.6	15°	4134.8	4026.7	3701.1	3261.1	2850.2	2673.5	2658.2	2691.3	2725.6	2742.1
4438.8	17.5°	4324.3	4171.7	3707.5	3083.0	2656.9	2584.4	2632.8	2704.0	2756.1	2779.0
4680.5	20°	4527.8	4319.2	3661.7	2831.2	2497.9	2511.9	2598.4	2690.0	2747.2	2776.5
4956.4	22.5°	4760.6	4477.0	3552.3	2566.6	2368.2	2433.1	2534.8	2623.9	2683.6	2712.9
5280.8	25°	5026.4	4653.7	3380.6	2344.0	2256.3	2344.0	2445.8	2519.6	2567.9	2594.6
5643.3	27.5°	5321.5	4838.2	3151.7	2167.3	2158.4	2252.5	2336.4	2393.6	2419.1	2439.4
6028.6	30°	5617.8	5006.0	2874.4	2033.7	2073.1	2162.2	2221.9	2247.4	2255.0	2258.8
6458.5	32.5°	5938.3	5151.0	2583.2	1923.1	1991.7	2074.4	2110.0	2121.5	2085.9	2061.7
6980.0	35°	6326.2	5306.2	2298.3	1835.3	1911.6	1982.8	1994.3	1984.1	1942.1	1892.5
7633.7	37.5°	6805.7	5499.5	2070.6	1773.0	1836.6	1883.6	1869.6	1867.1	1870.9	1812.4
8419.7	40°	7393.3	5751.4	1904.0	1724.6	1775.5	1785.7	1746.3	1767.9	1787.0	1697.9
9282.0	42.5°	8045.8	6055.3	1798.4	1691.6	1724.6	1700.5	1639.4	1663.6	1661.1	1544.0
10148.2	45°	8711.0	6386.0	1761.5	1667.4	1677.6	1629.3	1561.8	1568.2	1514.8	1409.2
10978.7	47.5°	9372.4	6740.9	1784.4	1647.1	1619.1	1564.4	1512.2	1484.3	1405.4	1326.6
11774.9	50°	10021.0	7113.5	1868.4	1606.4	1539.0	1507.2	1469.0	1419.4	1335.5	1268.0
12527.8	52.5°	10622.6	7488.7	1962.5	1539.0	1438.5	1457.6	1433.4	1376.2	1293.5	1224.8
13240.1	55°	11192.4	7863.9	1999.4	1446.1	1344.4	1414.3	1400.3	1294.8	1195.6	1139.6
13985.4	57.5°	11813.1	8315.4	1958.7	1327.8	1268.0	1364.7	1311.3	1194.3	1137.0	1095.1
14955.8	60°	12672.8	9023.9	1870.9	1181.6	1195.6	1290.9	1199.4	1151.0	1088.7	1041.7
16410.8	62.5°	14101.1	10345.3	1729.7	1036.6	1110.3	1181.6	1145.9	1097.6	1034.0	988.2
18898.6	65°	16212.4	12181.9	1463.9	923.4	1014.9	1074.7	1088.7	1040.4	974.2	925.9
21078.6	67.5°	17993.0	13334.2	1107.8	829.3	917.0	988.2	1027.7	980.6	910.7	863.6
21588.6	70°	17895.1	12497.3	845.8	736.4	830.5	903.0	953.9	917.0	842.0	797.5
19609.6	72.5°	15894.5	10454.7	684.3	642.3	742.8	814.0	875.0	847.1	770.7	727.5
14365.7	75°	11677.0	7421.3	546.9	546.9	633.4	721.1	788.6	770.7	700.8	670.3
6031.2	77.5°	4922.1	3113.5	428.6	454.1	526.6	619.4	703.3	709.7	648.6	686.8
1594.9	80°	1308.7	858.5	326.9	357.4	413.4	511.3	611.8	609.2	543.1	507.5
592.7	82.5°	498.6	338.3	232.8	251.8	298.9	391.7	484.6	499.8	433.7	375.2
232.8	85°	192.1	145.0	143.7	151.4	174.2	259.5	366.3	379.0	326.9	277.3
64.9	87.5°	49.6	43.2	53.4	50.9	80.1	138.6	209.9	217.5	199.7	115.7
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°
3514.2
3352.6
3107.2
2883.3
2748.5
2710.3
2740.9
2784.1
2784.1
2720.5
2602.2
2447.1
2267.7
2069.3
1895.1
1816.2
1700.5
1542.8
1413.0
1326.6
1263.0
1226.1
1134.5
1091.3
1039.1
988.2
928.5
864.9
801.3
727.5
661.4
623.2
471.9
375.2
286.2
165.3
0.0

F REPORT)