

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: P851586

Luminaire Tested: **GLAN-SB9C-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851586
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-SB9C-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58035 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

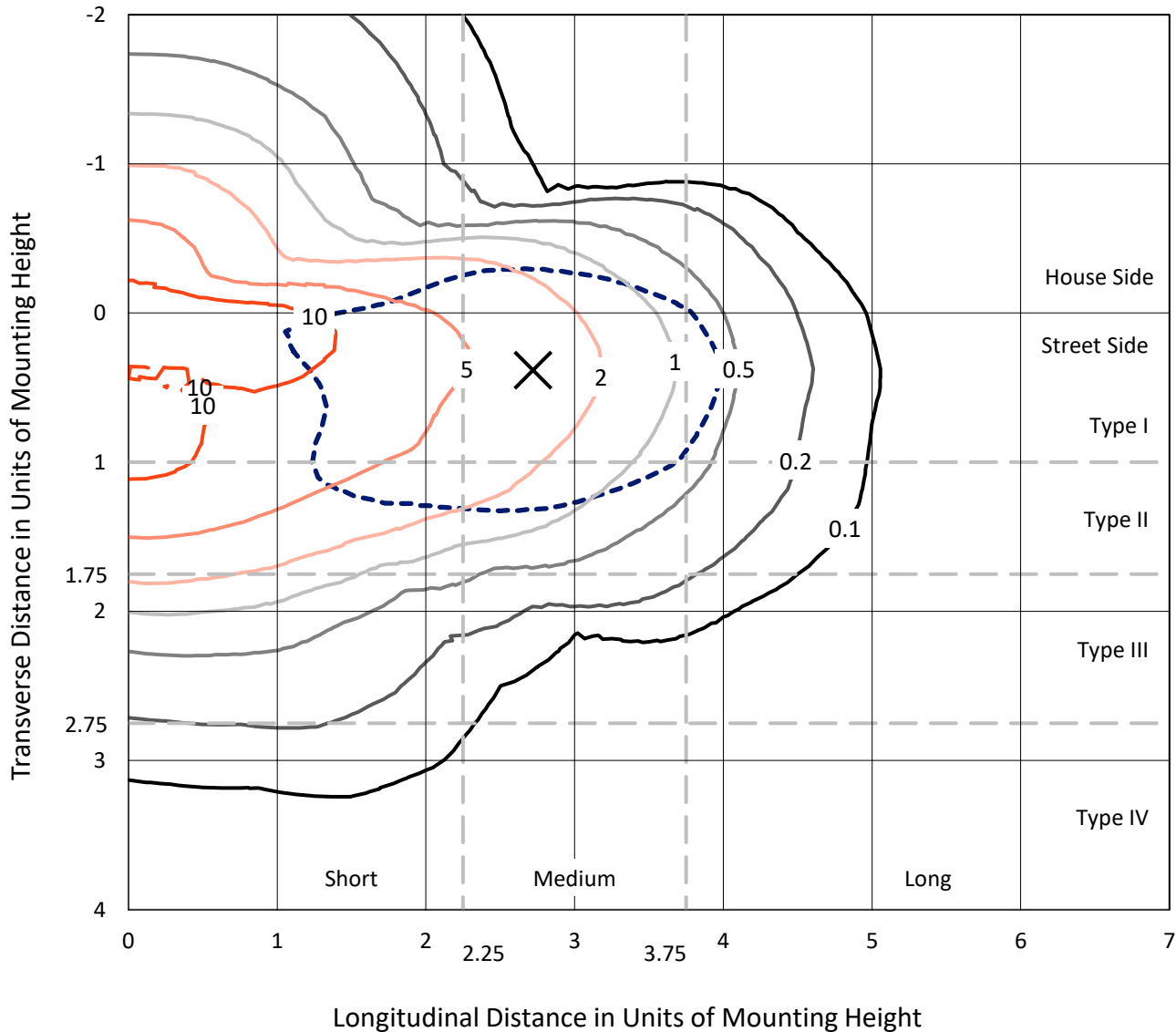
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851586
 CATALOG NUMBER: GLAN-SB9C-850-U-T2

Iso-Footcandle Lines of Horizontal Illumination

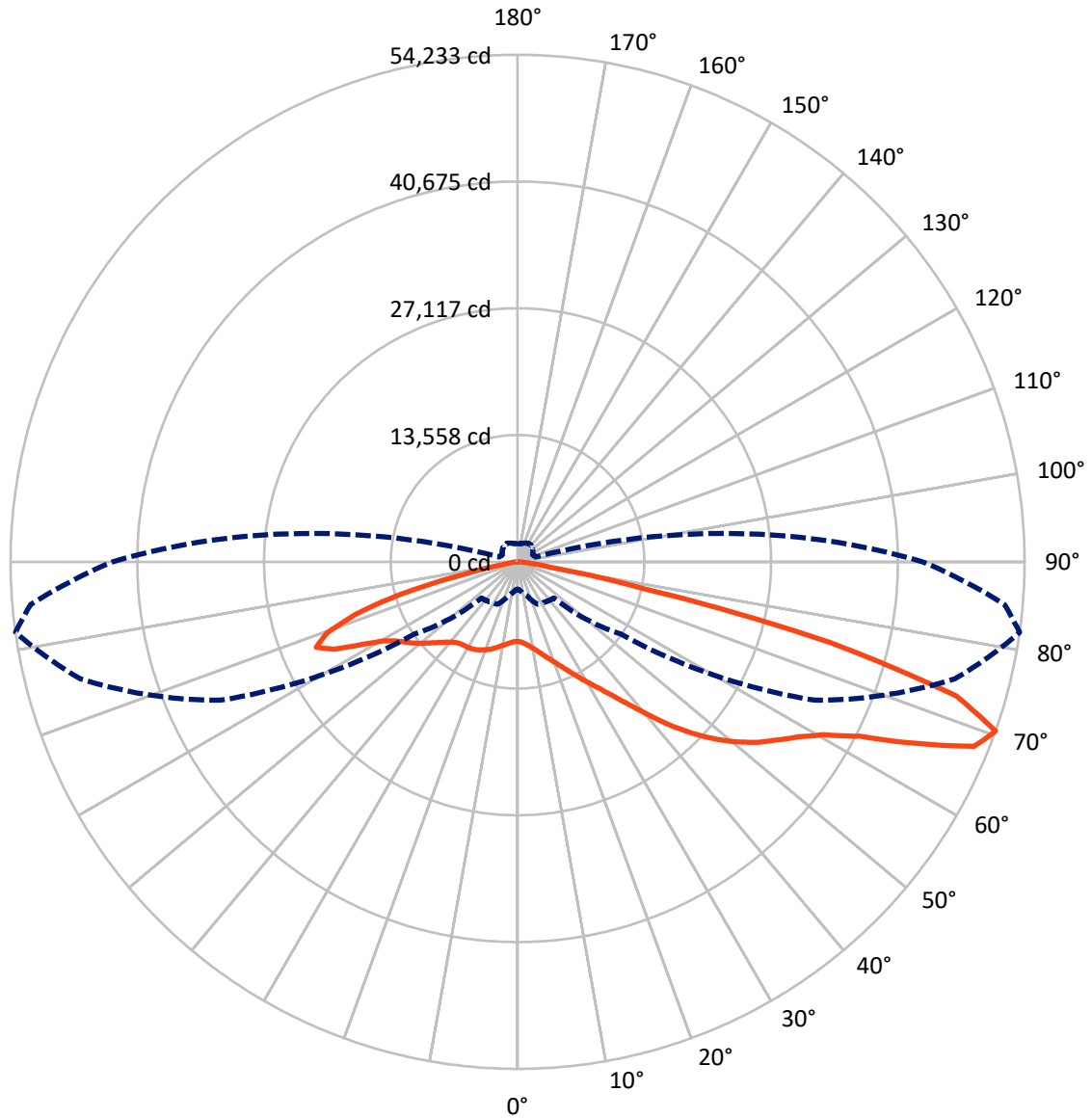
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P851586
CATALOG NUMBER: GLAN-SB9C-850-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851586
 CATALOG NUMBER: GLAN-SB9C-850-U-T2

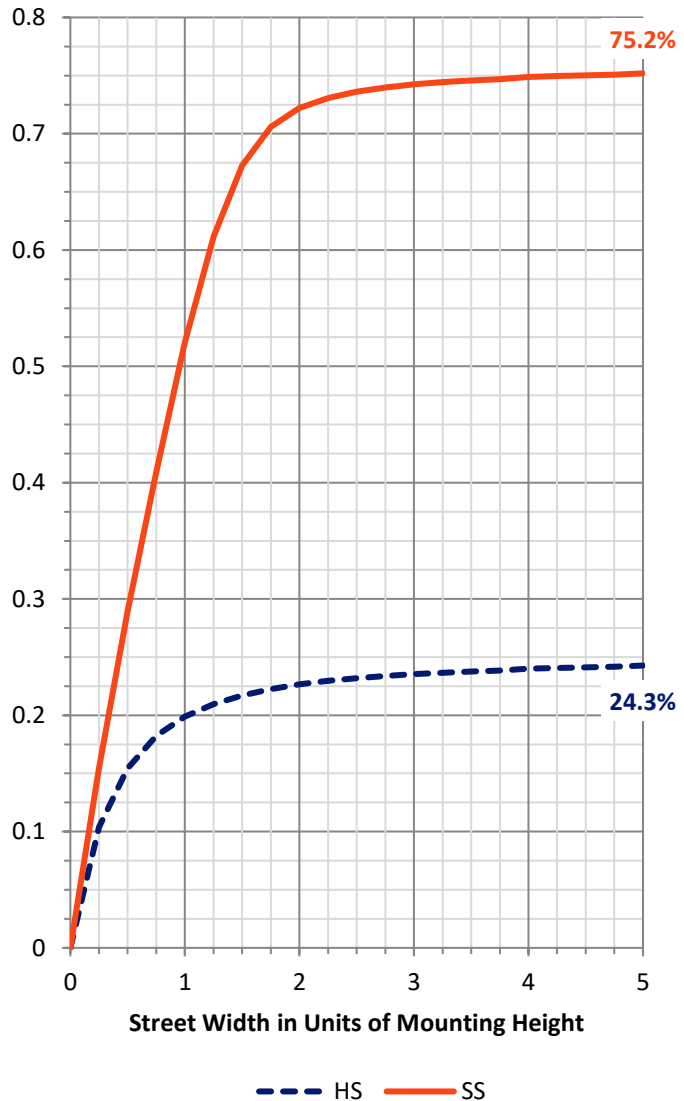
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14307.0	0.0	14307.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	43727.9	0.0	43727.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	58035.0	0.0	58035.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.4	1.4
10°-20°	2308.1	4.0
20°-30°	3861.3	6.7
30°-40°	6032.3	10.4
40°-50°	9607.1	16.6
50°-60°	13369.5	23.0
60°-70°	13985.1	24.1
70°-80°	7309.3	12.6
80°-90°	759.0	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°	58035.0	100.0
0°-180°	58035.0	100.0

Coefficient of Utilization

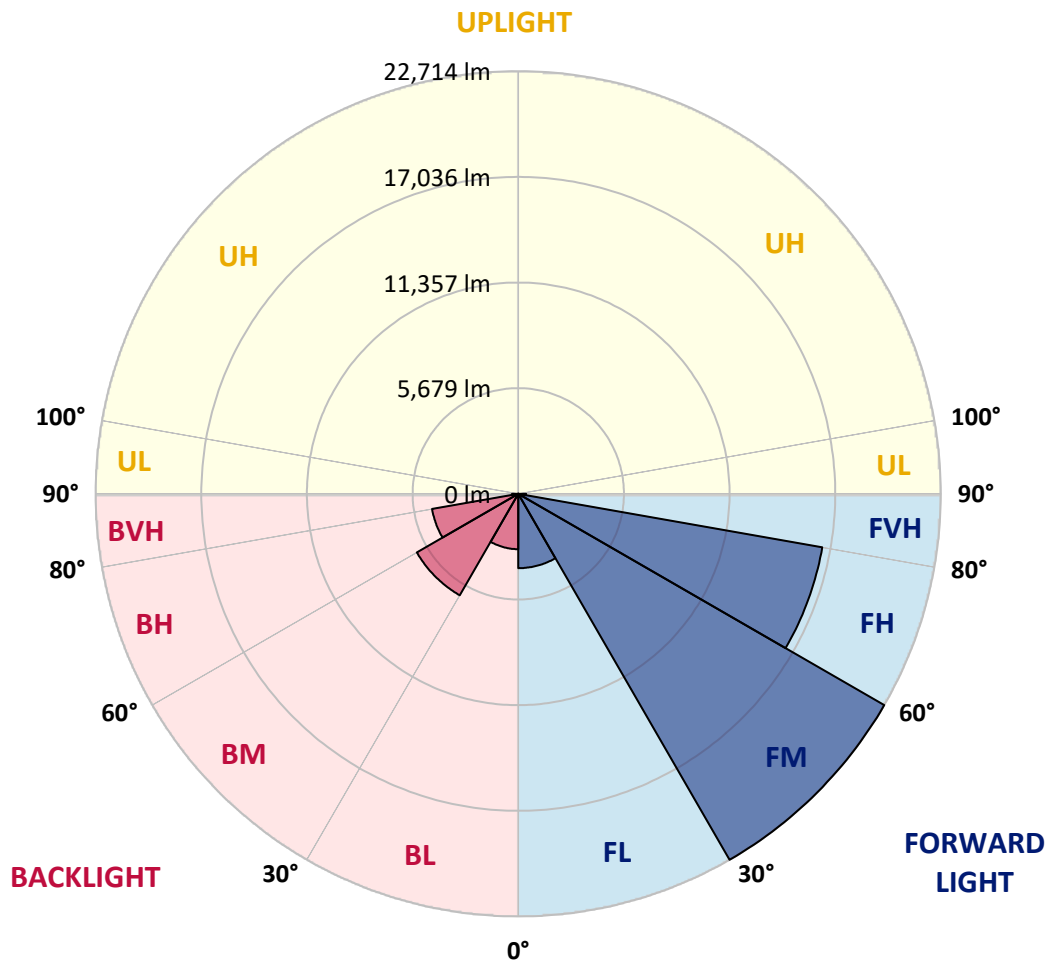


REPORT NUMBER: P851586
 CATALOG NUMBER: GLAN-SB9C-850-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3996.4	6.9			
FM (30°-60°)	22714.3	39.1			
FH (60°-80°)	16592.4	28.6			G5
FVH (80°-90°)	424.9	0.7			G3/500
BL (0°-30°)	2976.4	5.1	B4/5000		
BM (30°-60°)	6294.5	10.8	B4/8500		
BH (60°-80°)	4702.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	334.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



REPORT NUMBER: P851586
 CATALOG NUMBER: GLAN-SB9C-850-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7
2.5°	8711.9	8761.2	8745.8	8730.4	8730.4	8708.8	8705.7	8674.9	8650.3	8610.3
5°	8822.8	8875.1	8869.0	8881.3	8921.3	8930.5	8939.8	8921.3	8872.0	8822.8
7.5°	8724.2	8782.7	8801.2	8875.1	8998.3	9109.2	9192.3	9226.2	9180.0	9109.2
10°	8391.6	8456.3	8521.0	8696.5	8915.2	9176.9	9398.6	9531.1	9521.8	9454.1
12.5°	7717.2	7785.0	7923.6	8265.4	8665.7	9127.6	9540.3	9817.4	9912.9	9863.6
15°	7178.3	7236.8	7341.5	7692.6	8213.0	8915.2	9592.6	10131.6	10374.8	10347.1
17.5°	7162.9	7187.6	7252.2	7418.5	7818.8	8582.6	9537.2	10439.5	10904.5	10901.4
20°	7433.9	7443.1	7480.1	7514.0	7741.9	8330.0	9395.6	10695.1	11498.9	11498.9
22.5°	7809.6	7803.5	7840.4	7809.6	7920.5	8308.5	9306.2	10919.9	12160.9	12210.2
25°	8373.2	8342.4	8333.1	8262.3	8283.9	8508.7	9404.8	11175.5	12946.2	13047.8
27.5°	9124.6	9075.3	9041.4	8878.2	8822.8	8921.3	9706.6	11483.5	13820.8	13996.3
30°	10103.8	10014.5	9965.3	9681.9	9481.8	9497.2	10162.3	11893.0	14735.4	15018.7
32.5°	11440.3	11301.8	11169.3	10704.3	10337.9	10217.8	10750.5	12459.7	15727.0	16179.7
35°	12937.0	12826.1	12684.5	11966.9	11403.4	11126.2	11545.0	13251.1	16888.0	17605.5
37.5°	14378.2	14282.7	14350.5	13383.5	12656.7	12253.3	12585.9	14313.5	18319.9	19379.3
40°	15868.7	15794.8	15804.0	14880.1	14033.3	13580.6	13848.5	15646.9	19961.3	21488.7
42.5°	17488.5	17433.0	17248.3	16429.1	15477.6	15055.7	15302.0	17186.7	21722.8	23890.8
45°	19302.3	19268.4	19096.0	18156.7	17066.6	16592.3	16924.9	18886.6	23493.5	26151.1
47.5°	20869.8	20897.5	20875.9	20084.5	18954.3	18258.4	18655.6	20660.4	25141.0	28276.0
50°	21624.2	21769.0	21981.5	21735.1	21033.0	20324.7	20401.7	22372.6	26711.6	30268.4
52.5°	21230.1	21504.1	22083.1	22477.3	22748.3	22600.4	22394.1	24072.4	28189.7	32066.8
55°	19761.1	20146.1	21106.9	22058.5	23441.1	24515.9	24786.9	25957.1	29630.9	33649.7
57.5°	17085.1	17710.2	18572.5	20497.1	22825.2	25442.8	27576.9	28571.6	31158.4	35340.3
60°	12496.6	13334.2	14405.9	17269.8	20669.6	24947.0	29951.2	32587.3	33329.4	37529.9
62.5°	7997.5	8514.8	9500.3	12197.9	16105.8	22406.4	30678.0	37606.8	37009.4	41120.6
65°	5475.3	5807.9	6710.2	8225.3	10411.8	16678.6	28731.7	41370.0	42854.3	46811.5
67.5°	3978.7	4231.2	5001.1	6328.4	6784.1	9869.8	22295.6	41197.5	48536.0	52674.8
70°	2900.9	3079.5	3726.2	5001.1	5219.8	5490.7	13506.7	35020.1	48412.8	54233.1
72.5°	2149.5	2272.7	2706.9	3880.2	4225.1	3707.7	6685.6	25452.1	41601.0	49053.3
75°	1555.1	1647.5	1967.8	2968.6	3381.3	2823.9	3335.1	14874.0	29018.1	34505.8
77.5°	1188.7	1259.5	1468.9	2174.1	2706.9	2118.7	2069.4	6842.6	13759.2	13827.0
80°	954.6	1000.8	1114.8	1530.5	2075.6	1585.9	1348.8	2762.3	4348.3	3680.0
82.5°	702.1	779.1	942.3	1074.7	1484.3	1093.2	822.2	1395.0	1653.7	1422.7
85°	400.3	452.7	569.7	769.9	948.5	668.3	471.2	619.0	769.9	631.3
87.5°	141.7	184.8	200.2	301.8	412.7	277.2	181.7	178.6	252.5	187.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851586
 CATALOG NUMBER: GLAN-SB9C-850-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8508.7	0°	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7	8508.7
8601.0	2.5°	8570.2	8554.8	8493.3	8410.1	8323.9	8240.7	8213.0	8154.5	8114.5	8092.9
8801.2	5°	8742.7	8693.4	8548.7	8363.9	8169.9	7960.5	7812.7	7677.2	7578.6	7486.3
9075.3	7.5°	8989.1	8902.8	8653.4	8330.0	7985.1	7637.2	7378.5	7181.4	7049.0	6962.7
9395.6	10°	9275.5	9143.0	8761.2	8277.7	7744.9	7246.1	6941.2	6771.8	6688.7	6642.5
9762.0	12.5°	9605.0	9417.1	8872.0	8157.6	7378.5	6808.8	6599.4	6550.1	6553.2	6556.3
10223.9	15°	10011.5	9749.7	8961.3	7895.8	6901.2	6473.1	6436.2	6516.2	6599.4	6639.4
10747.5	17.5°	10470.3	10100.8	8976.7	7464.7	6433.1	6257.5	6374.6	6547.0	6673.3	6728.7
11332.6	20°	10963.0	10458.0	8865.9	6855.0	6048.1	6082.0	6291.4	6513.1	6651.7	6722.5
12000.8	22.5°	11526.6	10839.8	8601.0	6214.4	5734.0	5891.1	6137.4	6353.0	6497.7	6568.6
12786.1	25°	12170.2	11267.9	8185.3	5675.5	5463.0	5675.5	5921.9	6100.5	6217.5	6282.2
13663.7	27.5°	12884.6	11714.4	7631.0	5247.5	5225.9	5453.8	5657.0	5795.6	5857.2	5906.5
14596.8	30°	13602.1	12120.9	6959.7	4924.1	5019.6	5235.1	5379.9	5441.5	5460.0	5469.2
15637.7	32.5°	14378.2	12472.0	6254.5	4656.2	4822.5	5022.7	5108.9	5136.6	5050.4	4991.9
16900.3	35°	15317.4	12847.7	5564.7	4443.7	4628.5	4800.9	4828.7	4804.0	4702.4	4582.3
18483.2	37.5°	16478.4	13315.8	5013.4	4292.8	4446.8	4560.7	4526.9	4520.7	4529.9	4388.3
20386.3	40°	17901.1	13925.5	4610.0	4175.8	4299.0	4323.6	4228.2	4280.5	4326.7	4111.1
22474.2	42.5°	19480.9	14661.5	4354.4	4095.7	4175.8	4117.3	3969.5	4028.0	4021.8	3738.5
24571.3	45°	21091.5	15462.2	4265.1	4037.2	4061.9	3944.8	3781.6	3797.0	3667.7	3412.1
26582.2	47.5°	22692.8	16321.3	4320.5	3988.0	3920.2	3787.8	3661.5	3593.8	3402.8	3211.9
28510.0	50°	24263.4	17223.6	4523.8	3889.4	3726.2	3649.2	3556.8	3436.7	3233.5	3070.3
30333.1	52.5°	25720.0	18132.1	4751.7	3726.2	3482.9	3529.1	3470.6	3332.0	3131.9	2965.6
32057.6	55°	27099.6	19040.5	4841.0	3501.4	3255.0	3424.4	3390.5	3134.9	2894.7	2759.2
33862.2	57.5°	28602.4	20133.8	4742.4	3215.0	3070.3	3304.3	3175.0	2891.6	2753.1	2651.4
36211.8	60°	30684.1	21849.0	4529.9	2860.9	2894.7	3125.7	2904.0	2786.9	2636.1	2522.1
39734.8	62.5°	34142.4	25048.6	4188.1	2509.8	2688.4	2860.9	2774.6	2657.6	2503.6	2392.8
45758.3	65°	39254.4	29495.4	3544.5	2235.7	2457.4	2602.2	2636.1	2519.0	2358.9	2241.9
51036.5	67.5°	43565.7	32285.5	2682.2	2007.8	2220.3	2392.8	2488.2	2374.3	2204.9	2091.0
52271.4	70°	43328.6	30259.2	2047.9	1783.0	2010.9	2186.4	2309.6	2220.3	2038.6	1930.8
47479.7	72.5°	38484.5	25313.5	1656.8	1555.1	1798.4	1970.9	2118.7	2050.9	1866.2	1761.5
34782.9	75°	28272.9	17968.9	1324.2	1324.2	1533.6	1746.1	1909.3	1866.2	1696.8	1622.9
14603.0	77.5°	11917.7	7538.6	1037.8	1099.4	1274.9	1499.7	1703.0	1718.4	1570.5	1662.9
3861.7	80°	3168.8	2078.7	791.4	865.3	1000.8	1238.0	1481.2	1475.1	1314.9	1228.7
1435.0	82.5°	1207.2	819.1	563.5	609.7	723.7	948.5	1173.3	1210.2	1050.1	908.5
563.5	85°	465.0	351.1	348.0	366.5	421.9	628.2	886.9	917.7	791.4	671.3
157.1	87.5°	120.1	104.7	129.3	123.2	194.0	335.7	508.1	526.6	483.5	280.2
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

<u>180°</u>
8508.7
8117.6
7523.2
6981.2
6654.8
6562.4
6636.3
6741.0
6741.0
6587.0
6300.7
5925.0
5490.7
5010.3
4588.5
4397.5
4117.3
3735.4
3421.3
3211.9
3057.9
2968.6
2746.9
2642.2
2516.0
2392.8
2248.0
2094.1
1940.1
1761.5
1601.3
1509.0
1142.5
908.5
692.9
400.3
0.0

F REPORT)