

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: P852991

Luminaire Tested: **GLAN-SB7D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46062 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

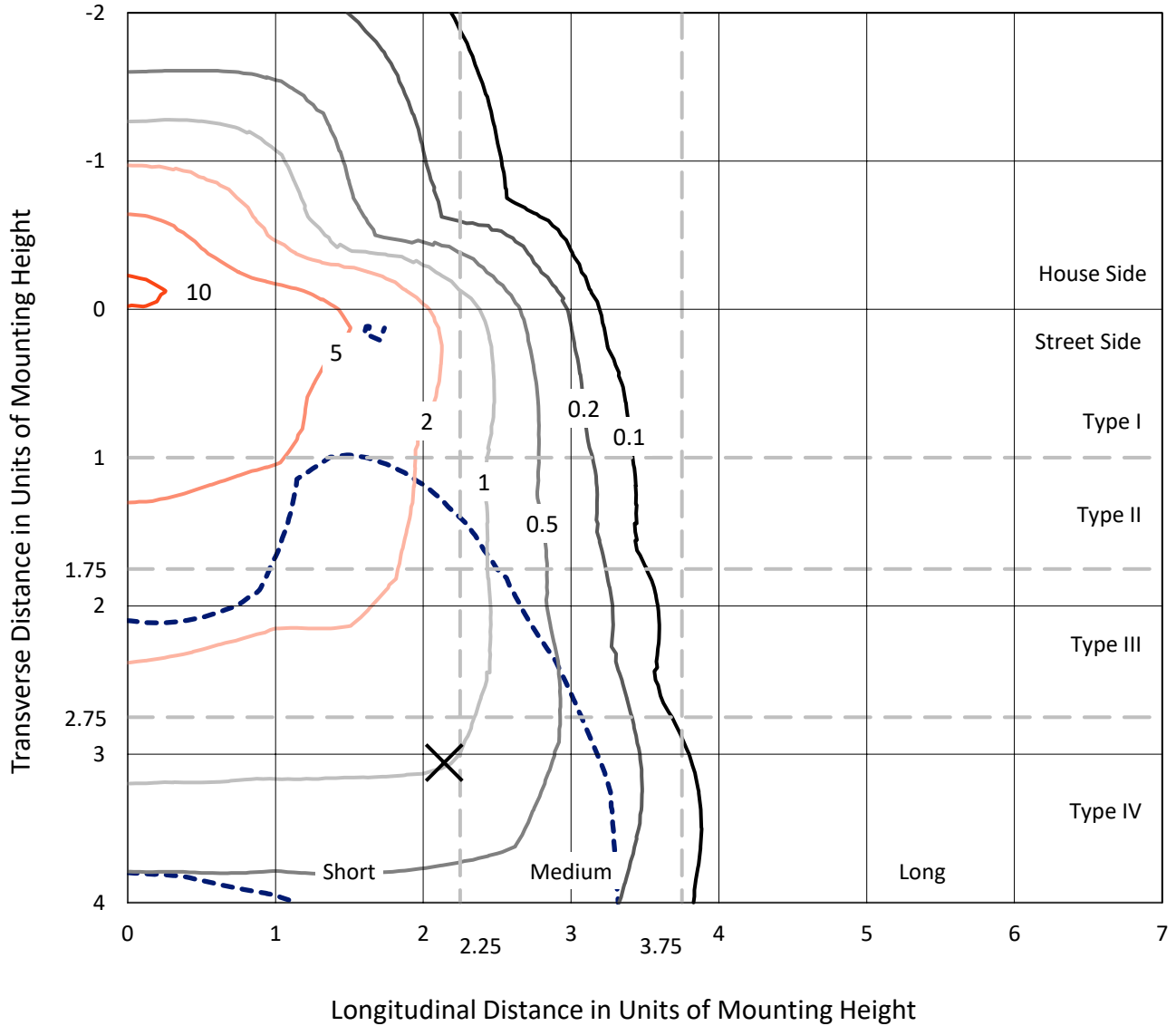
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852991
 CATALOG NUMBER: GLAN-SB7D-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

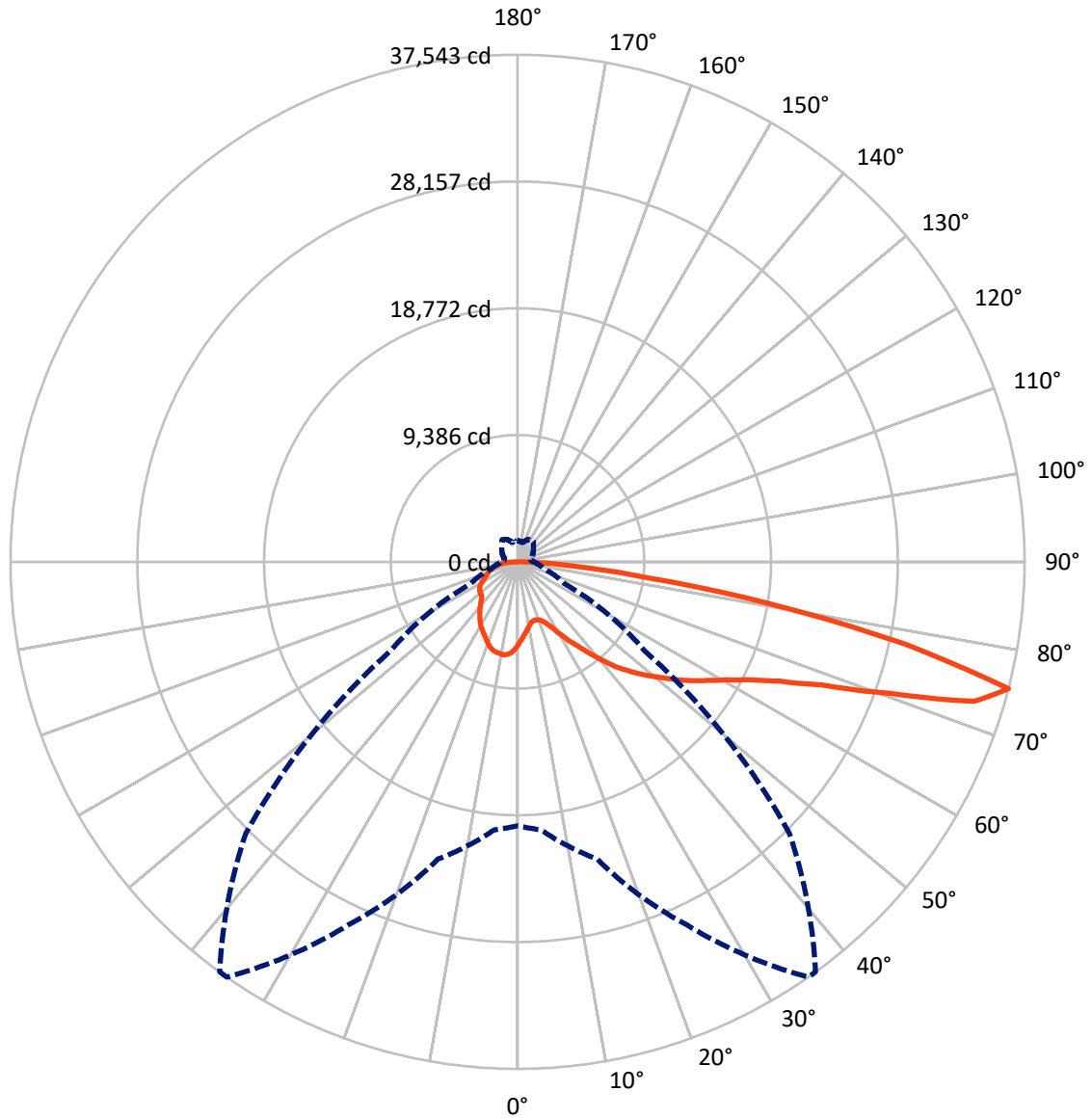
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P852991
CATALOG NUMBER: GLAN-SB7D-927-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852991
 CATALOG NUMBER: GLAN-SB7D-927-U-T4FT

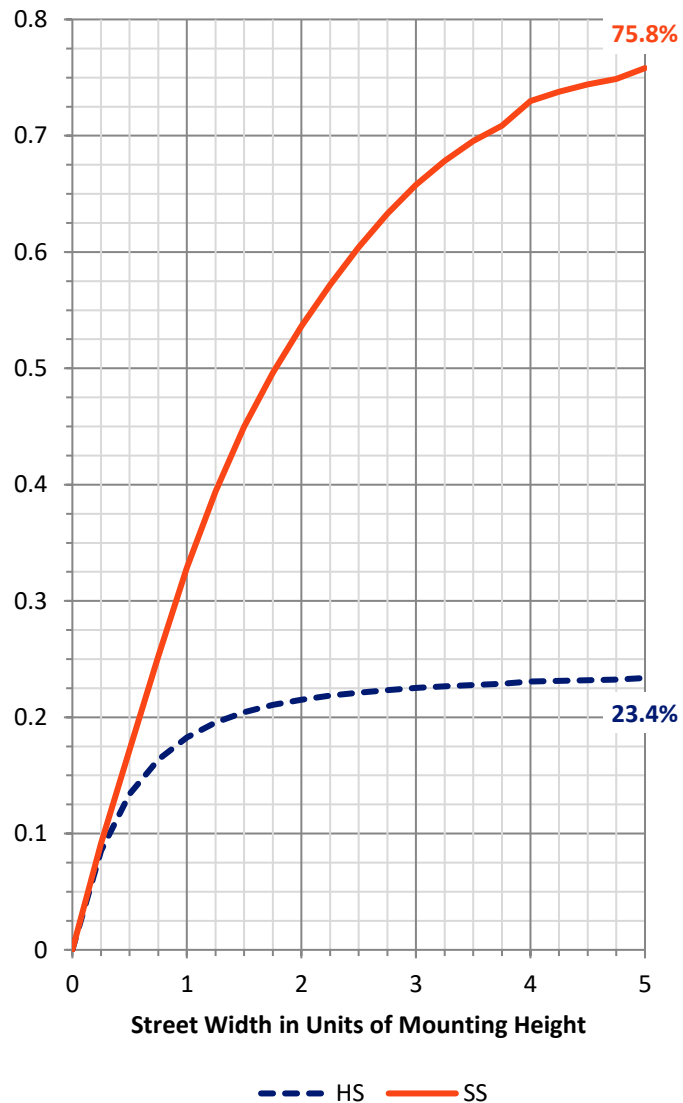
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10961.6	0.0	10961.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	35100.4	0.0	35100.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	46062.0	0.0	46062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.2	1.3
10°-20°	1676.3	3.6
20°-30°	2814.9	6.1
30°-40°	4374.8	9.5
40°-50°	6493.4	14.1
50°-60°	8964.5	19.5
60°-70°	10876.0	23.6
70°-80°	8988.2	19.5
80°-90°	1292.8	2.8
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°	46062.0	100.0
0°-180°	46062.0	100.0

Coefficient of Utilization

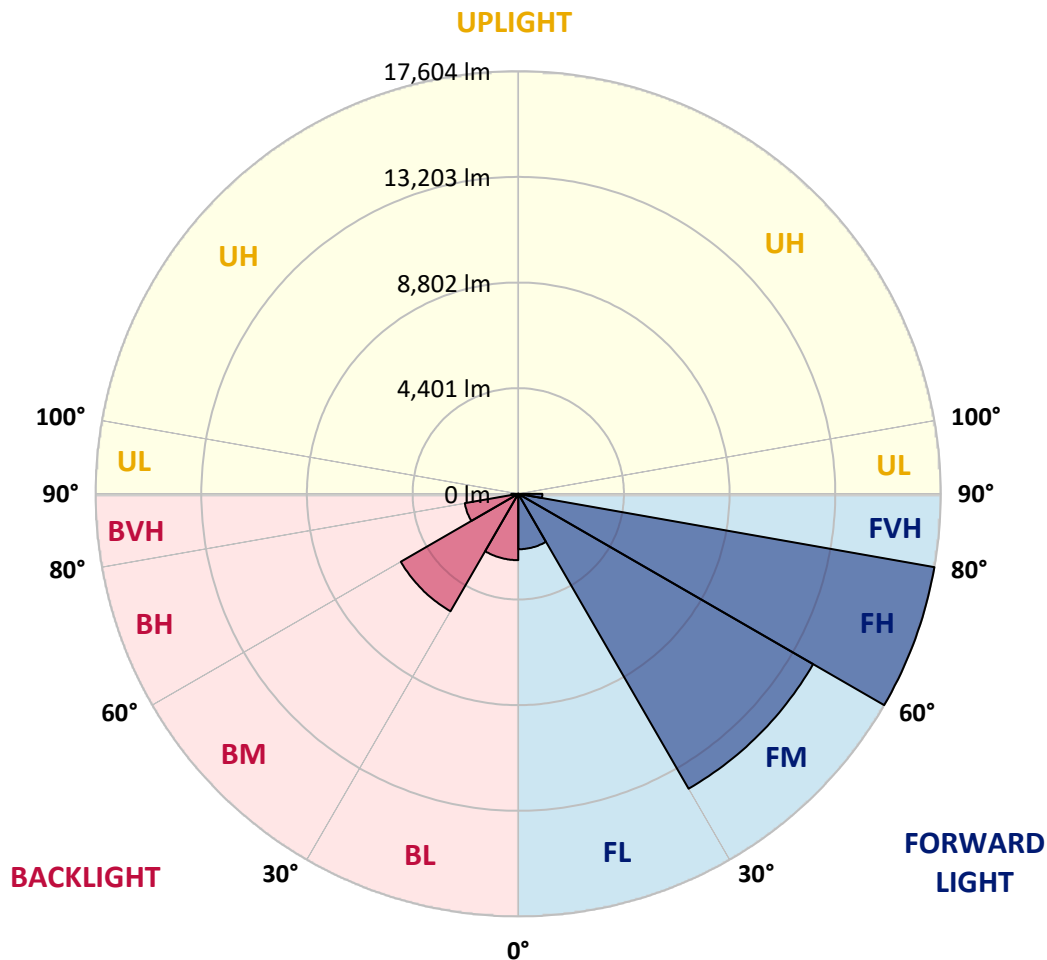


REPORT NUMBER: P852991
 CATALOG NUMBER: GLAN-SB7D-927-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2309.9	5.0			
FM (30°-60°)	14184.6	30.8			
FH (60°-80°)	17604.2	38.2			G5
FVH (80°-90°)	1001.7	2.2			G5
BL (0°-30°)	2762.5	6.0	B4/5000		
BM (30°-60°)	5648.1	12.3	B4/8500		
BH (60°-80°)	2260.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	291.1	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 IV Short



REPORT NUMBER: P852991
 CATALOG NUMBER: GLAN-SB7D-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1
2.5°	5660.0	5694.8	5709.8	5702.3	5739.7	5734.7	5787.0	5851.7	5941.4	6028.5
5°	5224.2	5261.6	5293.9	5323.8	5396.0	5418.4	5500.6	5625.1	5789.5	5956.3
7.5°	4818.3	4850.7	4900.5	4955.3	5077.3	5099.7	5236.7	5430.9	5660.0	5904.0
10°	4487.1	4519.5	4571.8	4634.1	4786.0	4813.3	4987.7	5246.6	5545.4	5854.2
12.5°	4345.2	4355.2	4385.0	4447.3	4579.3	4596.7	4788.4	5084.8	5433.4	5816.9
15°	4337.7	4357.7	4360.1	4392.5	4502.1	4509.6	4686.4	4980.2	5363.7	5809.4
17.5°	4412.4	4427.4	4405.0	4424.9	4517.0	4529.5	4668.9	4930.4	5341.2	5841.8
20°	4611.6	4624.1	4556.9	4529.5	4596.7	4606.7	4743.6	4962.8	5363.7	5909.0
22.5°	5035.0	5042.4	4878.1	4766.0	4771.0	4776.0	4895.5	5094.7	5450.8	6031.0
25°	5694.8	5689.9	5428.4	5211.8	5087.3	5059.9	5139.5	5308.9	5597.7	6192.9
27.5°	6466.8	6429.4	6168.0	5844.2	5572.8	5533.0	5515.6	5587.8	5806.9	6407.0
30°	7338.3	7303.4	7022.1	6598.7	6222.7	6158.0	5993.6	5956.3	6118.2	6698.3
32.5°	8294.5	8272.1	7935.9	7423.0	6920.0	6845.3	6568.9	6469.3	6596.2	7139.1
35°	9096.3	9076.4	8797.5	8269.6	7654.5	7562.4	7281.0	7169.0	7233.7	7704.3
37.5°	9820.9	9811.0	9571.9	9156.1	8521.1	8409.0	8092.8	8055.4	8043.0	8448.9
40°	10493.2	10468.3	10219.3	10000.2	9529.6	9427.5	9148.6	9116.2	9021.6	9365.2
42.5°	11237.8	11173.0	10812.0	10709.9	10582.9	10498.2	10331.4	10336.4	10127.2	10398.6
45°	11845.4	11808.0	11437.0	11377.2	11514.2	11479.3	11623.7	11661.1	11255.2	11481.8
47.5°	12497.8	12462.9	12149.2	12106.8	12477.8	12487.8	12998.3	13010.7	12355.8	12607.3
50°	13302.1	13252.3	12941.0	12993.3	13409.1	13446.5	14380.3	14295.6	13369.3	13750.3
52.5°	13832.5	13862.3	13795.1	13879.8	14447.5	14482.4	15739.9	15523.2	14372.8	14878.3
55°	14223.4	14283.2	14492.3	14686.6	15543.1	15578.0	17022.3	16691.1	15204.5	15924.1
57.5°	14726.4	14641.7	15032.7	15411.2	16584.0	16676.1	18269.8	17816.6	15941.6	16825.5
60°	15448.5	15388.8	15692.6	16252.8	17749.4	17896.3	19589.5	18830.1	16481.9	17540.2
62.5°	16912.7	16763.3	16810.6	17306.1	19218.5	19412.7	21078.6	19714.0	16750.8	17819.1
65°	19101.5	18845.0	18606.0	18949.6	21287.8	21479.5	22759.4	20408.8	16651.2	17278.7
67.5°	21858.0	21604.0	21310.2	21633.9	24335.7	24487.6	24833.7	20799.7	15866.9	15197.0
70°	24131.5	24036.8	24387.9	25720.1	29203.8	29208.8	27493.1	20476.0	13717.9	10774.6
72.5°	23830.2	23772.9	25623.0	29741.6	35339.4	35207.4	30010.6	18025.8	9240.7	4860.7
75°	19549.7	19920.7	22786.8	29669.4	37543.1	37525.7	28469.2	11459.4	3822.3	2014.5
77.5°	10483.3	11070.9	14793.6	21905.3	29308.4	29749.1	20015.3	4009.0	1641.0	1289.9
80°	3418.9	3931.9	5896.5	11153.1	19044.2	18962.0	8578.4	1573.7	1123.0	913.9
82.5°	1451.7	1511.5	2634.5	5266.5	9773.6	9621.7	2731.6	903.9	789.4	625.0
85°	567.7	635.0	1162.9	2435.3	4233.2	4141.0	986.1	448.2	505.5	408.4
87.5°	186.8	226.6	415.8	834.2	1317.3	1269.9	241.5	154.4	219.1	186.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852991
 CATALOG NUMBER: GLAN-SB7D-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6138.1	0°	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1	6138.1
6155.5	2.5°	6190.4	6230.2	6277.5	6347.2	6407.0	6456.8	6509.1	6541.5	6553.9	6591.3
6165.5	5°	6235.2	6322.3	6439.4	6553.9	6666.0	6733.2	6793.0	6822.8	6850.2	6870.2
6192.9	7.5°	6309.9	6421.9	6606.2	6755.6	6850.2	6905.0	6944.9	6934.9	6944.9	6949.8
6222.7	10°	6374.6	6531.5	6750.6	6892.6	6964.8	6967.3	6957.3	6922.5	6905.0	6907.5
6267.6	12.5°	6451.8	6626.1	6862.7	6982.2	7002.1	6947.4	6905.0	6845.3	6822.8	6812.9
6334.8	15°	6556.4	6755.6	6984.7	7029.5	6979.7	6910.0	6837.8	6740.7	6690.9	6651.0
6449.3	17.5°	6683.4	6902.5	7079.3	7047.0	6939.9	6825.3	6708.3	6561.4	6459.3	6417.0
6606.2	20°	6860.2	7056.9	7151.5	7009.6	6847.7	6673.4	6474.2	6294.9	6200.3	6158.0
6805.4	22.5°	7074.3	7263.6	7221.3	6944.9	6715.8	6436.9	6187.9	6055.9	6008.6	5978.7
7061.9	25°	7330.8	7492.7	7271.1	6850.2	6499.1	6123.1	5931.4	5889.1	5866.7	5844.2
7375.6	27.5°	7664.5	7751.7	7308.4	6710.8	6160.5	5789.5	5719.7	5727.2	5719.7	5682.4
7811.4	30°	8105.2	8087.8	7343.3	6484.2	5772.0	5488.2	5493.1	5525.5	5530.5	5505.6
8419.0	32.5°	8685.4	8508.6	7360.7	6190.4	5401.0	5224.2	5229.2	5264.1	5289.0	5246.6
9213.3	35°	9387.6	8999.2	7333.3	5821.8	5114.6	4972.7	4935.4	4945.3	4952.8	4912.9
10177.0	37.5°	10206.9	9549.5	7211.3	5413.5	4878.1	4726.2	4646.5	4579.3	4539.4	4502.1
11267.7	40°	11105.8	10149.6	6987.2	5015.0	4614.1	4464.7	4345.2	4218.2	4083.7	4033.9
12423.1	42.5°	12047.1	10767.2	6715.8	4634.1	4310.3	4188.3	4061.3	3877.1	3675.4	3573.3
13623.3	45°	13023.2	11399.6	6449.3	4258.1	3999.1	3946.8	3799.9	3578.3	3359.1	3229.6
14826.0	47.5°	13979.4	11997.3	6058.4	3879.6	3707.7	3765.0	3650.5	3446.3	3202.3	2998.1
16018.8	50°	14893.2	12557.5	5418.4	3496.1	3471.2	3710.2	3600.7	3306.8	3028.0	2766.5
17189.1	52.5°	15799.6	13010.7	4599.2	3147.5	3344.2	3695.3	3535.9	3212.2	2871.1	2597.2
18289.7	55°	16569.1	13244.8	3809.8	2848.7	3159.9	3568.3	3458.7	3100.2	2649.5	2358.1
19044.2	57.5°	17007.3	13055.5	3152.5	2554.8	2905.9	3359.1	3326.8	2861.1	2385.5	2161.4
19191.1	60°	16818.1	12288.6	2614.6	2298.4	2664.4	3132.5	3097.7	2624.6	2183.8	1972.2
18404.3	62.5°	15774.7	10826.9	2188.8	2074.2	2445.3	2901.0	2868.6	2442.8	2029.4	1825.2
16315.1	65°	13673.1	8807.5	1857.6	1887.5	2223.7	2622.1	2669.4	2290.9	1907.4	1708.2
12622.3	67.5°	10428.5	6379.6	1598.6	1725.6	2007.0	2348.2	2485.1	2181.3	1805.3	1616.1
7303.4	70°	5943.8	3623.1	1379.5	1568.8	1815.3	2094.2	2343.2	2094.2	1695.8	1538.9
2736.6	72.5°	2253.5	1663.4	1192.8	1411.9	1631.0	1880.0	2186.3	1957.2	1568.8	1451.7
1414.4	75°	1202.7	1013.5	1003.5	1227.6	1419.4	1670.9	1989.6	1822.7	1474.1	1533.9
978.6	77.5°	819.2	717.1	839.2	1050.8	1187.8	1439.3	1780.4	1618.6	1277.4	1272.4
677.3	80°	567.7	508.0	682.3	846.6	918.8	1210.2	1553.8	1389.5	1040.9	971.1
418.3	82.5°	341.1	331.2	510.5	632.5	649.9	933.8	1287.4	1165.4	851.6	742.0
249.0	85°	186.8	196.7	326.2	371.0	378.5	652.4	1008.5	901.4	654.9	550.3
89.6	87.5°	52.3	67.2	119.5	146.9	181.8	338.7	600.1	535.4	328.7	229.1
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

180°
6138.1
6588.8
6875.1
6957.3
6912.5
6807.9
6663.5
6419.5
6153.0
5983.7
5844.2
5689.9
5518.0
5266.5
4940.3
4527.0
4056.4
3585.7
3219.7
2975.7
2744.1
2567.3
2333.2
2131.5
1942.3
1792.9
1675.8
1586.2
1519.0
1431.8
1583.7
1172.8
928.8
747.0
555.3
229.1
0.0

F REPORT)