

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: P853127

Luminaire Tested: **GLAN-SB8D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853127
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-SB8D-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 52374 lumens
Efficiency: N/A
Efficacy: 89.5 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

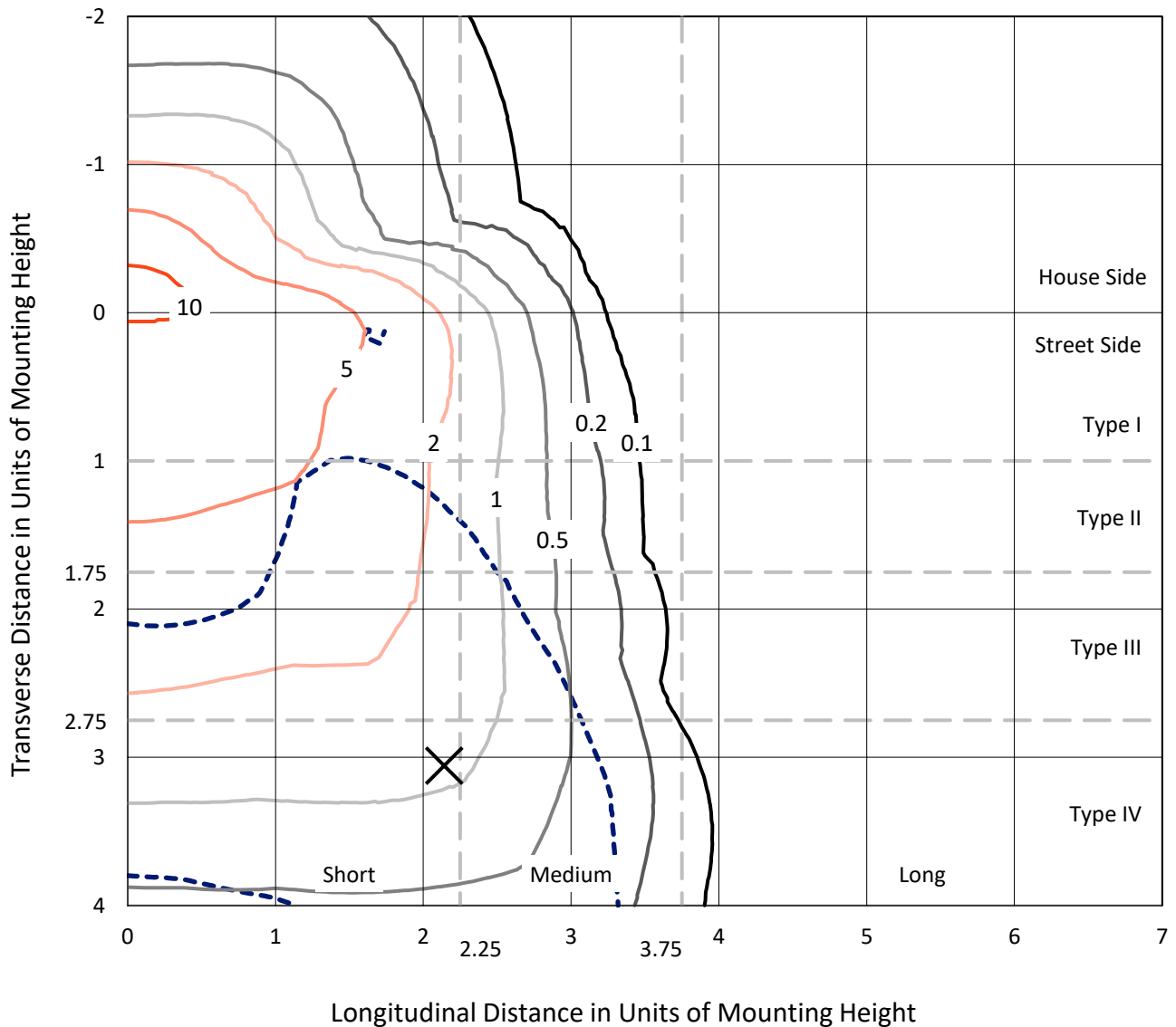
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853127
 CATALOG NUMBER: GLAN-SB8D-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

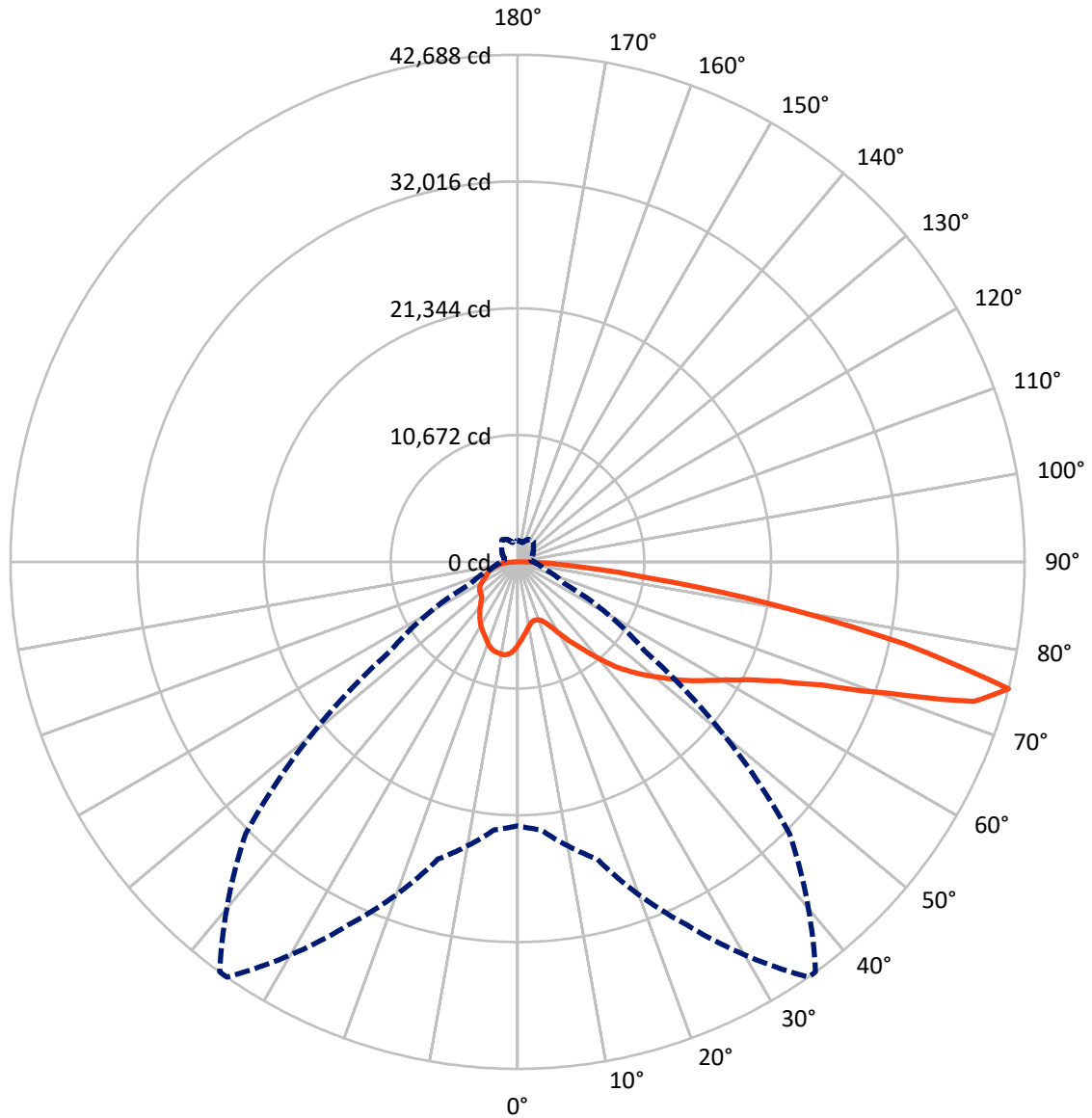
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P853127
CATALOG NUMBER: GLAN-SB8D-927-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853127
 CATALOG NUMBER: GLAN-SB8D-927-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12463.7	0.0	12463.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	39910.3	0.0	39910.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	52374.0	0.0	52374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.8	1.3
10°-20°	1906.0	3.6
20°-30°	3200.7	6.1
30°-40°	4974.3	9.5
40°-50°	7383.2	14.1
50°-60°	10192.9	19.5
60°-70°	12366.3	23.6
70°-80°	10219.8	19.5
80°-90°	1469.9	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°	52374.0	100.0
0°-180°	52374.0	100.0

Coefficient of Utilization

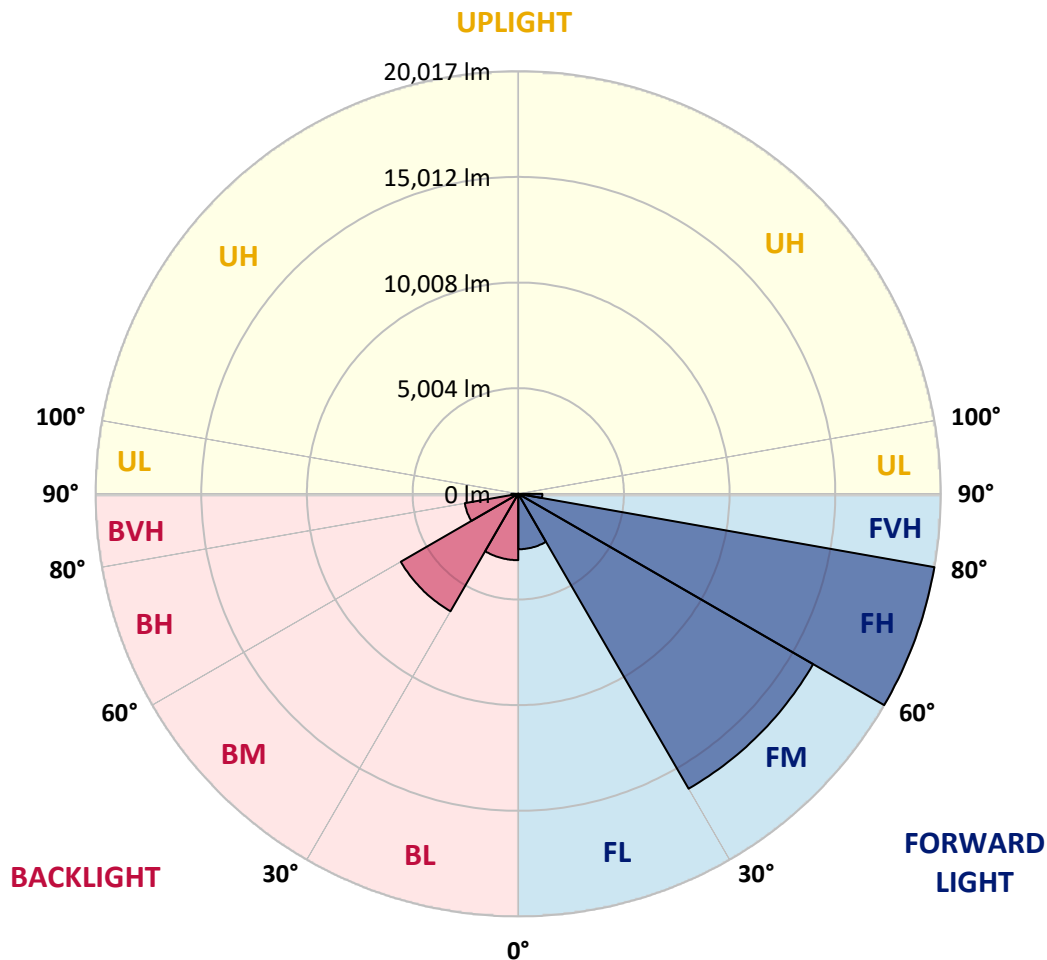


REPORT NUMBER: P853127
 CATALOG NUMBER: GLAN-SB8D-927-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2626.5	5.0			
FM (30°-60°)	16128.4	30.8			
FH (60°-80°)	20016.6	38.2			G5
FVH (80°-90°)	1138.9	2.2			G5
BL (0°-30°)	3141.0	6.0	B4/5000		
BM (30°-60°)	6422.1	12.3	B4/8500		
BH (60°-80°)	2569.6	4.9	B4/5000		G4/5000
BVH (80°-90°)	331.0	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: P853127
 CATALOG NUMBER: GLAN-SB8D-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2
2.5°	6435.6	6475.2	6492.2	6483.7	6526.2	6520.5	6580.0	6653.6	6755.5	6854.6
5°	5940.1	5982.6	6019.4	6053.4	6135.5	6160.9	6254.4	6395.9	6582.8	6772.5
7.5°	5478.6	5515.4	5572.0	5634.3	5773.0	5798.5	5954.3	6175.1	6435.6	6713.0
10°	5102.0	5138.8	5198.3	5269.1	5441.8	5472.9	5671.1	5965.6	6305.3	6656.4
12.5°	4940.6	4952.0	4985.9	5056.7	5206.8	5226.6	5444.6	5781.5	6177.9	6614.0
15°	4932.1	4954.8	4957.6	4994.4	5119.0	5127.5	5328.5	5662.6	6098.7	6605.5
17.5°	5017.1	5034.1	5008.6	5031.2	5136.0	5150.2	5308.7	5606.0	6073.2	6642.3
20°	5243.6	5257.8	5181.3	5150.2	5226.6	5237.9	5393.7	5642.8	6098.7	6718.7
22.5°	5724.9	5733.4	5546.5	5419.1	5424.8	5430.5	5566.4	5792.9	6197.7	6857.4
25°	6475.2	6469.6	6172.3	5925.9	5784.4	5753.2	5843.8	6036.4	6364.8	7041.5
27.5°	7352.9	7310.5	7013.2	6645.1	6336.5	6291.2	6271.4	6353.5	6602.6	7285.0
30°	8343.9	8304.2	7984.3	7503.0	7075.5	7001.8	6815.0	6772.5	6956.5	7616.2
32.5°	9431.1	9405.6	9023.4	8440.1	7868.2	7783.3	7469.0	7355.8	7500.2	8117.4
35°	10342.8	10320.1	10003.0	9402.8	8703.5	8598.7	8278.8	8151.4	8225.0	8760.1
37.5°	11166.7	11155.4	10883.6	10410.7	9688.8	9561.3	9201.8	9159.3	9145.1	9606.6
40°	11931.2	11902.8	11619.7	11370.6	10835.4	10719.4	10402.2	10365.4	10257.9	10648.6
42.5°	12777.7	12704.1	12293.6	12177.5	12033.1	11936.8	11747.1	11752.8	11515.0	11823.6
45°	13468.6	13426.1	13004.2	12936.3	13092.0	13052.4	13216.6	13259.0	12797.5	13055.2
47.5°	14210.4	14170.7	13814.0	13765.9	14187.7	14199.0	14779.5	14793.6	14049.0	14334.9
50°	15124.9	15068.3	14714.3	14773.8	15246.6	15289.1	16350.8	16254.6	15201.3	15634.5
52.5°	15728.0	15761.9	15685.5	15781.7	16427.3	16466.9	17896.7	17650.4	16342.3	16917.1
55°	16172.5	16240.4	16478.2	16699.1	17673.1	17712.7	19354.9	18978.3	17288.0	18106.3
57.5°	16744.4	16648.1	17092.6	17523.0	18856.6	18961.3	20773.4	20258.1	18126.1	19131.2
60°	17565.5	17497.5	17842.9	18480.0	20181.6	20348.7	22273.9	21410.4	18740.5	19943.8
62.5°	19230.3	19060.4	19114.2	19677.6	21852.1	22072.9	23967.1	22415.5	19046.3	20260.9
65°	21719.0	21427.4	21155.6	21546.3	24204.9	24422.9	25878.2	23205.5	18933.0	19646.5
67.5°	24853.3	24564.5	24230.4	24598.5	27670.4	27843.1	28236.7	23650.0	18041.1	17279.5
70°	27438.3	27330.7	27729.9	29244.6	33205.7	33211.3	31260.5	23281.9	15597.7	12251.1
72.5°	27095.7	27030.6	29134.2	33817.2	40182.0	40032.0	34123.0	20495.9	10507.0	5526.7
75°	22228.6	22650.5	25909.4	33735.1	42687.7	42667.9	32370.4	13029.7	4346.1	2290.5
77.5°	11919.8	12588.0	16820.8	24907.1	33324.6	33825.7	22758.1	4558.4	1865.8	1466.6
80°	3887.4	4470.6	6704.6	12681.5	21653.9	21560.5	9753.9	1789.4	1276.9	1039.1
82.5°	1650.7	1718.6	2995.5	5988.2	11112.9	10940.2	3106.0	1027.8	897.5	710.7
85°	645.5	722.0	1322.2	2769.0	4813.2	4708.5	1121.2	509.6	574.8	464.3
87.5°	212.3	257.6	472.8	948.5	1497.8	1444.0	274.6	175.5	249.2	212.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853127
 CATALOG NUMBER: GLAN-SB8D-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6979.2	0°	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2	6979.2
6999.0	2.5°	7038.6	7083.9	7137.7	7217.0	7285.0	7341.6	7401.1	7437.9	7452.0	7494.5
7010.3	5°	7089.6	7188.7	7321.8	7452.0	7579.4	7655.9	7723.8	7757.8	7788.9	7811.6
7041.5	7.5°	7174.6	7302.0	7511.5	7681.4	7788.9	7851.2	7896.5	7885.2	7896.5	7902.2
7075.5	10°	7248.2	7426.5	7675.7	7837.1	7919.2	7922.0	7910.7	7871.1	7851.2	7854.1
7126.4	12.5°	7335.9	7534.1	7803.1	7939.0	7961.7	7899.4	7851.2	7783.3	7757.8	7746.5
7202.9	15°	7454.9	7681.4	7941.8	7992.8	7936.2	7856.9	7774.8	7664.4	7607.7	7562.4
7333.1	17.5°	7599.2	7848.4	8049.4	8012.6	7890.9	7760.6	7627.6	7460.5	7344.4	7296.3
7511.5	20°	7800.3	8023.9	8131.5	7970.1	7786.1	7587.9	7361.4	7157.6	7050.0	7001.8
7738.0	22.5°	8043.8	8258.9	8210.8	7896.5	7636.1	7318.9	7035.8	6885.8	6832.0	6798.0
8029.6	25°	8335.4	8519.4	8267.4	7788.9	7389.7	6962.2	6744.2	6696.1	6670.6	6645.1
8386.4	27.5°	8714.8	8813.9	8309.9	7630.4	7004.7	6582.8	6503.5	6512.0	6503.5	6461.1
8881.8	30°	9215.9	9196.1	8349.5	7372.7	6563.0	6240.2	6245.9	6282.7	6288.3	6260.0
9572.7	32.5°	9875.6	9674.6	8369.4	7038.6	6141.1	5940.1	5945.8	5985.4	6013.7	5965.6
10475.9	35°	10674.1	10232.4	8338.2	6619.6	5815.5	5654.1	5611.7	5623.0	5631.5	5586.2
11571.6	37.5°	11605.6	10858.1	8199.5	6155.3	5546.5	5373.8	5283.2	5206.8	5161.5	5119.0
12811.7	40°	12627.7	11540.4	7944.7	5702.3	5246.4	5076.5	4940.6	4796.2	4643.4	4586.7
14125.4	42.5°	13697.9	12242.6	7636.1	5269.1	4901.0	4762.3	4617.9	4408.4	4179.0	4062.9
15490.1	45°	14807.8	12961.8	7333.1	4841.5	4547.1	4487.6	4320.6	4068.6	3819.4	3672.2
16857.6	47.5°	15895.0	13641.3	6888.6	4411.2	4215.8	4280.9	4150.7	3918.5	3641.1	3408.9
18213.8	50°	16934.1	14278.3	6160.9	3975.2	3946.9	4218.7	4094.1	3760.0	3442.9	3145.6
19544.6	52.5°	17964.7	14793.6	5229.4	3578.8	3802.5	4201.7	4020.5	3652.4	3264.5	2953.1
20796.0	55°	18839.6	15059.8	4331.9	3239.0	3592.9	4057.3	3932.7	3525.0	3012.5	2681.3
21653.9	57.5°	19337.9	14844.6	3584.4	2904.9	3304.1	3819.4	3782.6	3253.2	2712.4	2457.6
21820.9	60°	19122.7	13972.5	2972.9	2613.3	3029.5	3561.8	3522.2	2984.2	2483.1	2242.4
20926.2	62.5°	17936.4	12310.6	2488.7	2358.5	2780.4	3298.5	3261.7	2777.5	2307.5	2075.4
18550.8	65°	15546.7	10014.4	2112.2	2146.1	2528.4	2981.4	3035.2	2604.8	2168.8	1942.3
14351.9	67.5°	11857.5	7253.8	1817.7	1962.1	2282.0	2669.9	2825.7	2480.2	2052.7	1837.5
8304.2	70°	6758.3	4119.6	1568.5	1783.7	2064.0	2381.1	2664.3	2381.1	1928.1	1749.8
3111.6	72.5°	2562.3	1891.3	1356.2	1605.4	1854.5	2137.6	2485.9	2225.4	1783.7	1650.7
1608.2	75°	1367.5	1152.3	1141.0	1395.8	1613.8	1899.8	2262.2	2072.5	1676.1	1744.1
1112.7	77.5°	931.5	815.4	954.2	1194.8	1350.5	1636.5	2024.4	1840.4	1452.5	1446.8
770.1	80°	645.5	577.6	775.8	962.6	1044.8	1376.0	1766.7	1579.9	1183.5	1104.2
475.7	82.5°	387.9	376.6	580.4	719.2	739.0	1061.7	1463.8	1325.1	968.3	843.7
283.1	85°	212.3	223.7	370.9	421.9	430.4	741.8	1146.7	1024.9	744.6	625.7
101.9	87.5°	59.5	76.4	135.9	167.0	206.7	385.1	682.3	608.7	373.7	260.5
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°
6979.2
7491.7
7817.3
7910.7
7859.7
7740.8
7576.6
7299.1
6996.2
6803.6
6645.1
6469.6
6274.2
5988.2
5617.3
5147.3
4612.2
4077.1
3660.9
3383.4
3120.1
2919.1
2652.9
2423.6
2208.4
2038.5
1905.5
1803.5
1727.1
1628.0
1800.7
1333.5
1056.1
849.4
631.4
260.5
0.0

F REPORT)