

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: P951052

Luminaire Tested: **GLAN-SB5B-827-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-827-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24585 lumens
Efficiency: N/A
Efficacy: 134.6 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): 182.7
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

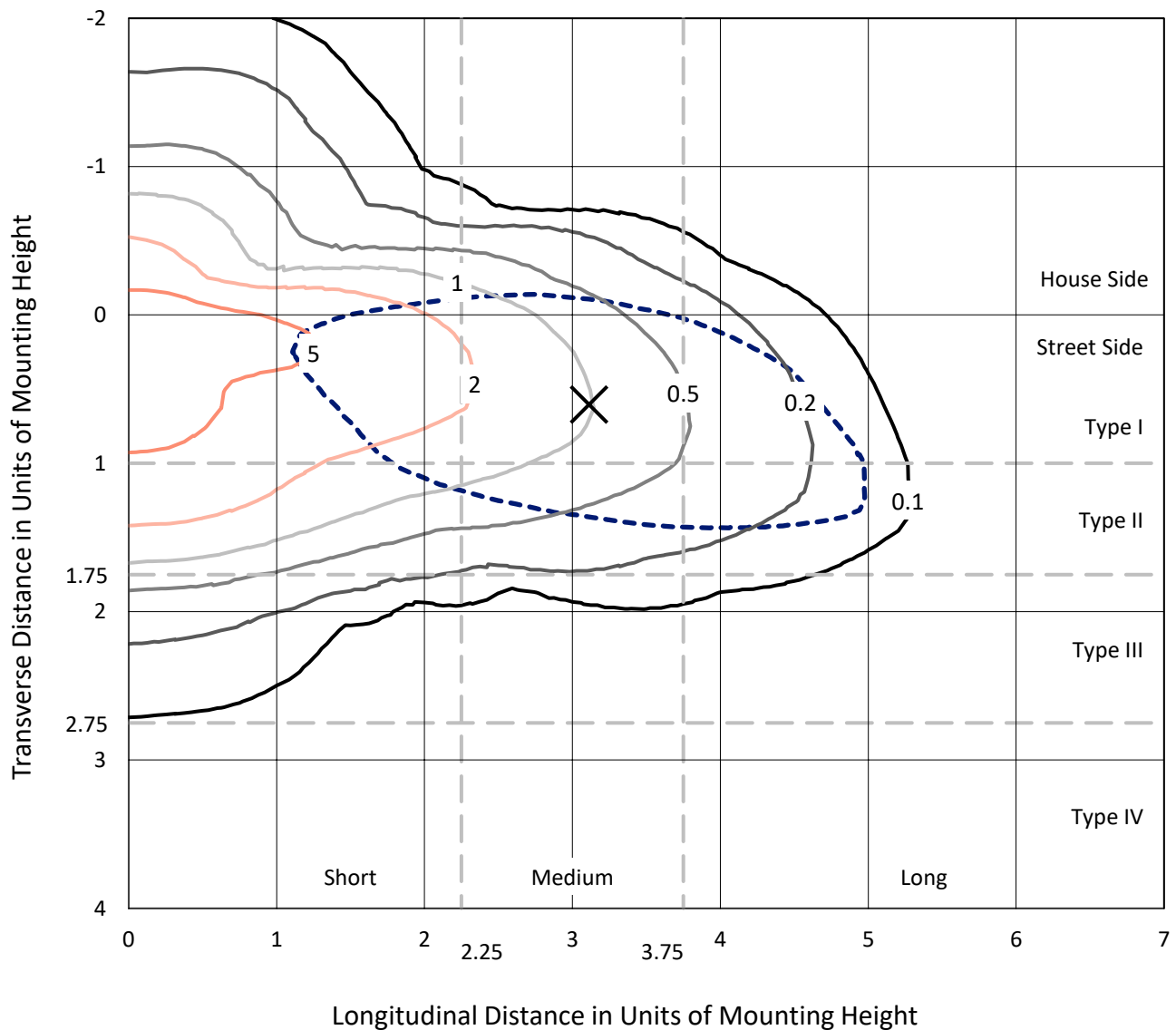


REPORT NUMBER: P951052

CATALOG NUMBER: GLAN-SB5B-827-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

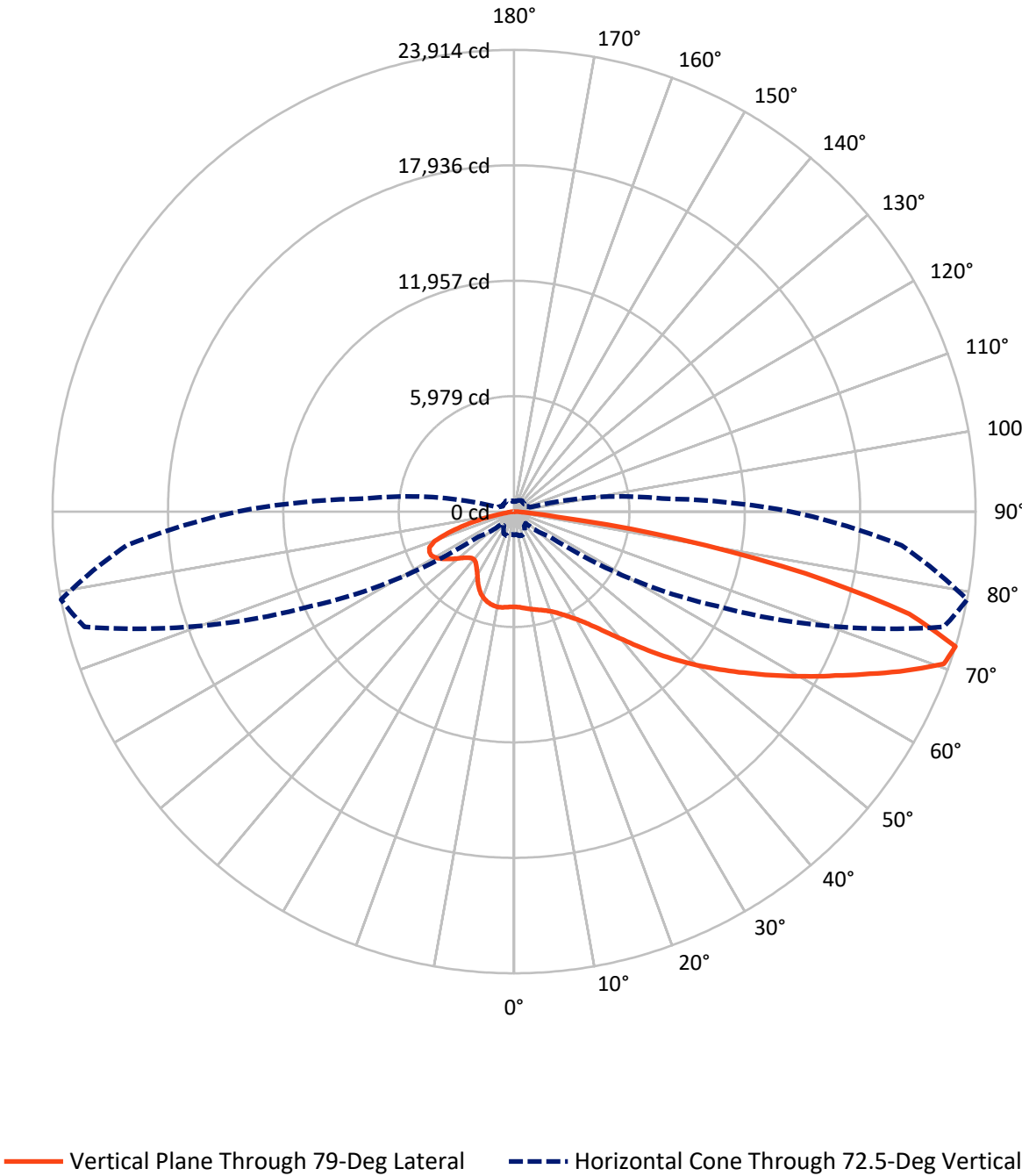
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Medium - N/A

REPORT NUMBER: P951052
CATALOG NUMBER: GLAN-SB5B-827-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P951052

CATALOG NUMBER: GLAN-SB5B-827-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5410.0	0.0	5410.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19175.0	0.0	19175.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	24585.0	0.0	24585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.0	1.8
10°-20°	1171.2	4.8
20°-30°	1889.9	7.7
30°-40°	2836.4	11.5
40°-50°	4023.7	16.4
50°-60°	5081.3	20.7
60°-70°	5160.8	21.0
70°-80°	3517.3	14.3
80°-90°	456.3	1.9
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°	24585.0	100.0
0°-180°	24585.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951052

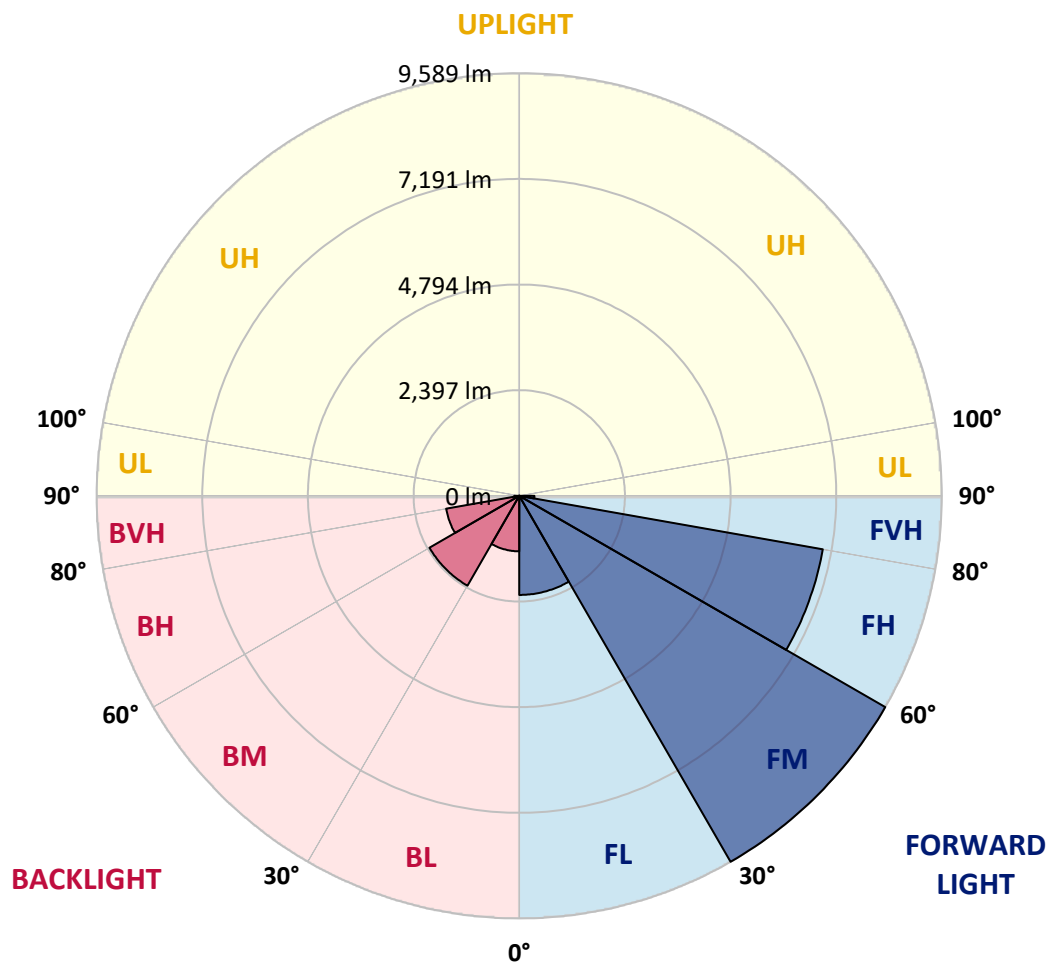
CATALOG NUMBER: GLAN-SB5B-827-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2248.9	9.1			
FM	(30°-60°)	9588.7	39.0			
FH	(60°-80°)	6993.6	28.4			G3/7500
FVH	(80°-90°)	343.8	1.4			G3/500
BL	(0°-30°)	1260.2	5.1	B3/2500		
BM	(30°-60°)	2352.8	9.6	B2/2500		
BH	(60°-80°)	1684.5	6.9	B3/2500		G3/2500
BVH	(80°-90°)	112.6	0.5			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: P951052

CATALOG NUMBER: GLAN-SB5B-827-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2
2.5°	4937.8	4914.4	4928.7	4923.5	4930.0	4937.8	4940.4	4944.3	4957.3	4956.0
5°	4927.4	4904.0	4923.5	4917.0	4933.9	4952.1	4967.7	4982.0	5002.8	5011.9
7.5°	4905.3	4889.7	4909.2	4928.7	4959.9	4987.2	5009.3	5041.8	5071.8	5077.0
10°	4776.6	4764.8	4810.4	4861.1	4946.9	5021.0	5069.2	5106.9	5139.4	5144.6
12.5°	4642.6	4628.3	4679.0	4747.9	4887.1	5021.0	5122.5	5171.9	5200.5	5217.4
15°	4620.5	4608.8	4637.4	4697.2	4813.0	4985.9	5158.9	5249.9	5274.6	5294.1
17.5°	4727.1	4705.0	4716.7	4737.5	4805.2	4953.4	5187.5	5338.3	5376.1	5396.9
20°	4974.2	4943.0	4924.8	4883.2	4871.5	4958.6	5184.9	5445.0	5494.4	5520.4
22.5°	5303.2	5282.4	5243.4	5138.1	5023.6	5022.3	5234.3	5581.5	5673.9	5698.6
25°	5701.2	5670.0	5620.5	5477.5	5257.7	5148.5	5317.5	5755.8	5910.5	5917.0
27.5°	6158.9	6112.1	6044.5	5855.9	5559.4	5346.1	5445.0	5956.1	6182.3	6179.7
30°	6641.4	6594.6	6523.1	6294.2	5920.9	5612.7	5621.8	6171.9	6504.8	6490.5
32.5°	6993.8	6958.7	6944.4	6767.5	6337.1	5927.4	5824.7	6411.2	6902.8	6889.8
35°	7264.3	7218.8	7235.7	7146.0	6790.9	6279.9	6073.1	6696.0	7386.6	7385.3
37.5°	7532.2	7491.9	7506.2	7446.4	7211.0	6727.2	6376.1	7044.5	7986.1	8014.7
40°	7776.7	7733.8	7791.0	7735.1	7537.4	7203.2	6720.7	7438.6	8680.5	8735.1
42.5°	7923.6	7889.8	7984.8	7986.1	7820.9	7605.0	7099.2	7872.9	9484.2	9606.4
45°	7974.4	7962.7	8105.7	8135.6	8071.9	7837.8	7439.9	8346.3	10350.3	10568.8
47.5°	7919.7	7897.6	8095.3	8205.8	8256.6	7947.0	7722.1	8858.7	11234.6	11554.5
50°	7644.0	7601.1	7895.0	8127.8	8308.6	8018.6	8006.9	9450.4	12239.8	12589.6
52.5°	7148.6	7116.1	7450.3	7854.7	8194.1	8053.7	8326.8	10096.7	13194.4	13646.9
55°	6515.3	6472.3	6840.4	7368.3	7909.3	8042.0	8646.7	10819.7	14320.5	14779.6
57.5°	5511.3	5425.5	5891.0	6515.3	7445.1	8027.7	8979.6	11538.9	15464.9	16015.0
60°	4047.0	3919.6	4490.5	5230.4	6537.4	7888.5	9391.8	12345.2	16838.2	17333.7
62.5°	2356.4	2282.3	2655.5	3346.1	4927.4	7069.2	9623.3	13282.8	18188.1	18708.3
65°	1829.7	1808.9	1841.4	1894.8	2742.6	5292.8	8909.4	14197.0	19904.7	20268.8
67.5°	1673.7	1658.1	1672.4	1572.2	1391.5	2948.1	7048.4	14428.5	21743.5	21964.6
70°	1487.7	1469.5	1516.3	1430.5	1095.0	1340.8	4554.2	13588.4	23206.5	23621.4
72.5°	1212.0	1191.2	1300.4	1261.4	922.0	860.9	2287.5	11592.2	23053.1	23914.0
75°	931.1	919.4	1049.5	1082.0	751.7	677.5	1097.6	8616.8	20287.0	21154.4
77.5°	723.0	713.9	780.3	898.6	606.0	525.4	674.9	5465.8	15288.1	15440.2
80°	542.3	516.3	577.4	695.7	472.1	383.6	457.8	3187.4	9663.6	8759.8
82.5°	339.4	326.4	377.1	464.3	332.9	264.0	297.8	1760.8	3872.7	2281.0
85°	193.8	188.6	205.5	265.3	180.8	152.2	170.4	777.7	707.4	486.4
87.5°	78.0	75.4	93.6	118.3	66.3	55.9	59.8	187.3	156.1	144.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951052

CATALOG NUMBER: GLAN-SB5B-827-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4935.2	0°	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2	4935.2
4954.7	2.5°	4949.5	4949.5	4931.3	4902.7	4870.2	4849.4	4815.6	4806.5	4771.3	4760.9
4998.9	5°	5009.3	4998.9	4943.0	4862.4	4751.8	4650.4	4538.6	4468.3	4369.5	4334.4
5086.1	7.5°	5084.8	5056.1	4959.9	4783.1	4551.6	4324.0	4087.3	3907.9	3736.2	3675.1
5157.6	10°	5153.7	5113.4	4949.5	4640.0	4239.5	3845.4	3468.3	3204.3	3004.0	2922.1
5236.9	12.5°	5222.6	5148.5	4880.6	4402.0	3796.0	3261.5	2859.7	2654.2	2530.7	2431.8
5301.9	15°	5287.6	5183.6	4773.9	4083.4	3309.6	2767.4	2470.9	2307.0	2208.2	2143.1
5396.9	17.5°	5363.1	5213.5	4614.0	3679.0	2846.7	2425.3	2183.5	2084.6	2065.1	2057.3
5526.9	20°	5468.4	5240.8	4403.3	3226.4	2506.0	2152.2	2027.4	2018.3	2017.0	2013.1
5683.0	22.5°	5581.5	5273.3	4125.0	2815.5	2216.0	1981.9	1959.8	1941.6	1929.9	1928.6
5871.5	25°	5715.5	5283.7	3776.5	2478.7	1968.9	1901.3	1875.2	1847.9	1840.1	1840.1
6086.1	27.5°	5845.5	5248.6	3370.8	2186.1	1829.7	1827.1	1793.3	1784.2	1782.9	1786.8
6330.6	30°	5975.6	5182.3	2967.6	1915.6	1749.1	1749.1	1737.4	1743.9	1749.1	1762.1
6666.1	32.5°	6151.1	5112.1	2630.8	1715.3	1678.9	1665.9	1677.6	1690.6	1695.8	1712.7
7107.0	35°	6408.6	5062.6	2362.9	1606.1	1606.1	1589.1	1595.7	1593.1	1581.3	1573.5
7640.1	37.5°	6749.3	5060.0	2141.8	1555.3	1544.9	1542.3	1543.6	1526.7	1481.2	1426.6
8285.2	40°	7159.0	5130.3	1971.5	1520.2	1512.4	1528.0	1520.2	1474.7	1349.9	1254.9
9078.4	42.5°	7709.1	5330.5	1862.2	1477.3	1500.7	1520.2	1489.0	1331.7	1247.1	1183.4
9982.2	45°	8356.7	5655.7	1806.3	1431.8	1478.6	1502.0	1351.2	1282.2	1214.6	1137.9
10968.0	47.5°	9090.1	6065.3	1793.3	1388.9	1429.2	1443.5	1292.6	1261.4	1184.7	1101.5
11958.9	50°	9888.6	6550.4	1828.4	1338.2	1357.7	1308.3	1273.1	1244.5	1165.2	1083.3
12974.6	52.5°	10714.4	7084.8	1898.7	1269.2	1286.1	1231.5	1265.3	1240.6	1153.5	1043.0
14024.0	55°	11525.9	7623.2	1966.3	1188.6	1213.3	1162.6	1243.2	1225.0	1100.2	975.3
15143.7	57.5°	12350.4	8159.0	2032.6	1117.1	1143.1	1096.3	1208.1	1183.4	1040.4	912.9
16366.2	60°	13207.4	8679.2	2063.8	1048.2	1066.4	1035.2	1154.8	1111.9	972.7	849.2
17567.8	62.5°	14009.7	9112.2	2013.1	979.2	990.9	977.9	1084.6	1027.4	905.1	777.7
18820.1	65°	14814.7	9369.7	1857.0	911.6	914.2	907.7	985.7	936.3	825.8	715.2
19916.4	67.5°	15544.3	9514.1	1608.7	838.8	832.3	829.7	893.4	837.5	749.1	652.8
20750.0	70°	15699.0	9147.4	1228.9	753.0	753.0	746.5	792.0	734.8	664.5	586.5
20153.1	72.5°	14338.8	7694.8	872.6	655.4	665.8	652.8	690.5	642.4	578.7	526.7
17368.8	75°	11562.3	5642.6	634.6	555.3	573.5	551.4	586.5	552.7	498.1	496.8
11969.3	77.5°	7944.4	3489.1	460.4	457.8	470.8	442.2	482.5	464.3	414.8	392.7
5209.6	80°	3390.3	1391.5	335.5	353.7	353.7	327.7	374.5	379.7	336.8	326.4
1005.2	82.5°	674.9	395.3	235.4	243.2	228.9	221.1	265.3	293.9	405.7	451.3
303.0	85°	202.9	145.7	141.7	132.6	117.0	118.3	156.1	295.2	364.1	208.1
100.1	87.5°	55.9	36.4	37.7	29.9	24.7	32.5	53.3	223.7	122.2	52.0
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°
4935.2
4777.9
4360.4
3682.9
2940.3
2464.4
2154.8
2062.5
2026.1
1942.9
1847.9
1797.2
1771.2
1727.0
1591.7
1427.9
1252.3
1180.8
1132.7
1095.0
1074.2
1035.2
968.8
910.3
845.3
776.4
707.4
645.0
583.9
511.1
447.4
368.0
326.4
452.6
179.5
44.2
0.0