

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: P957133

Luminaire Tested: **GLAN-SB9C-827-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-827-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60894 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - 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

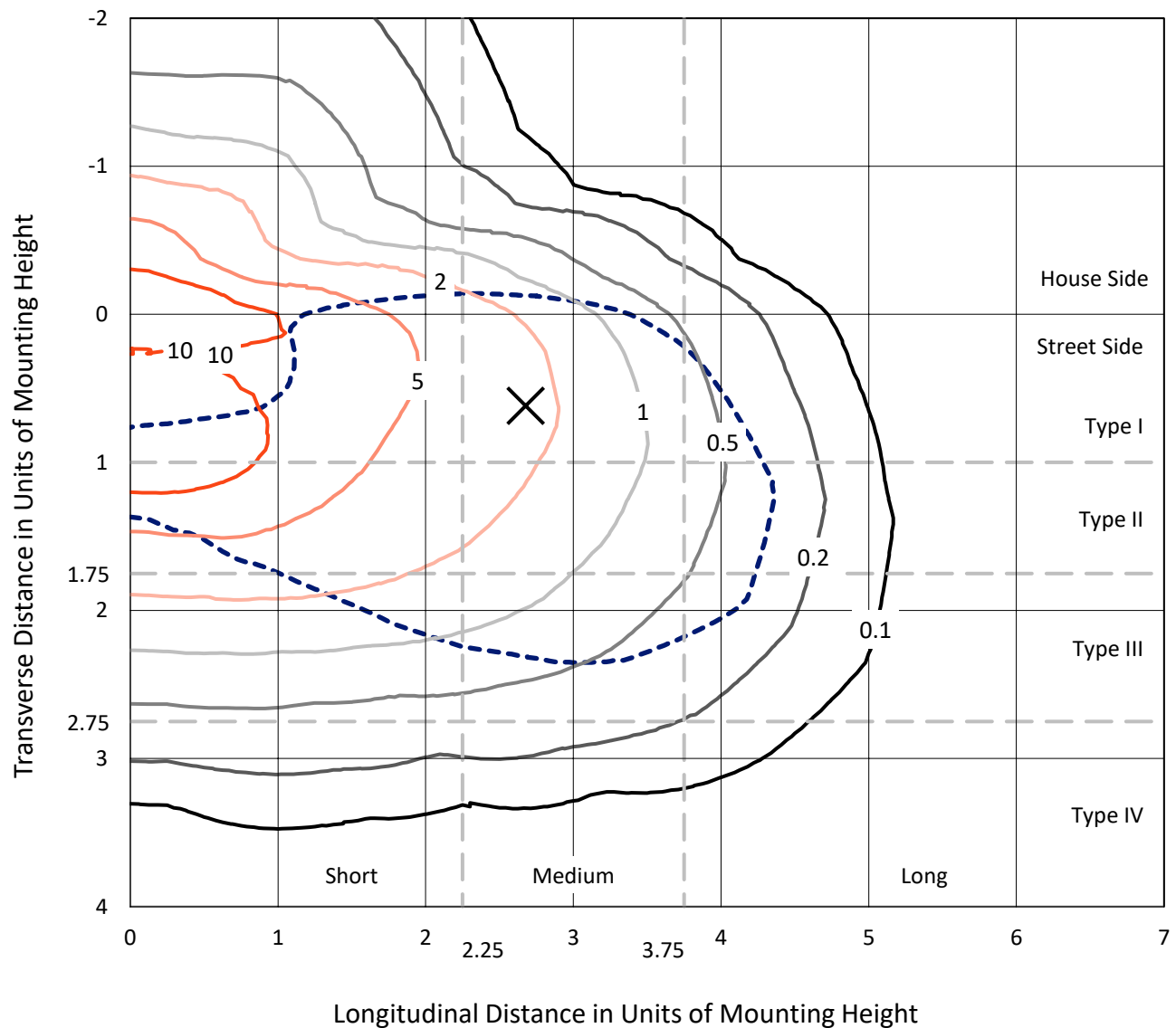


REPORT NUMBER: P957133

CATALOG NUMBER: GLAN-SB9C-827-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

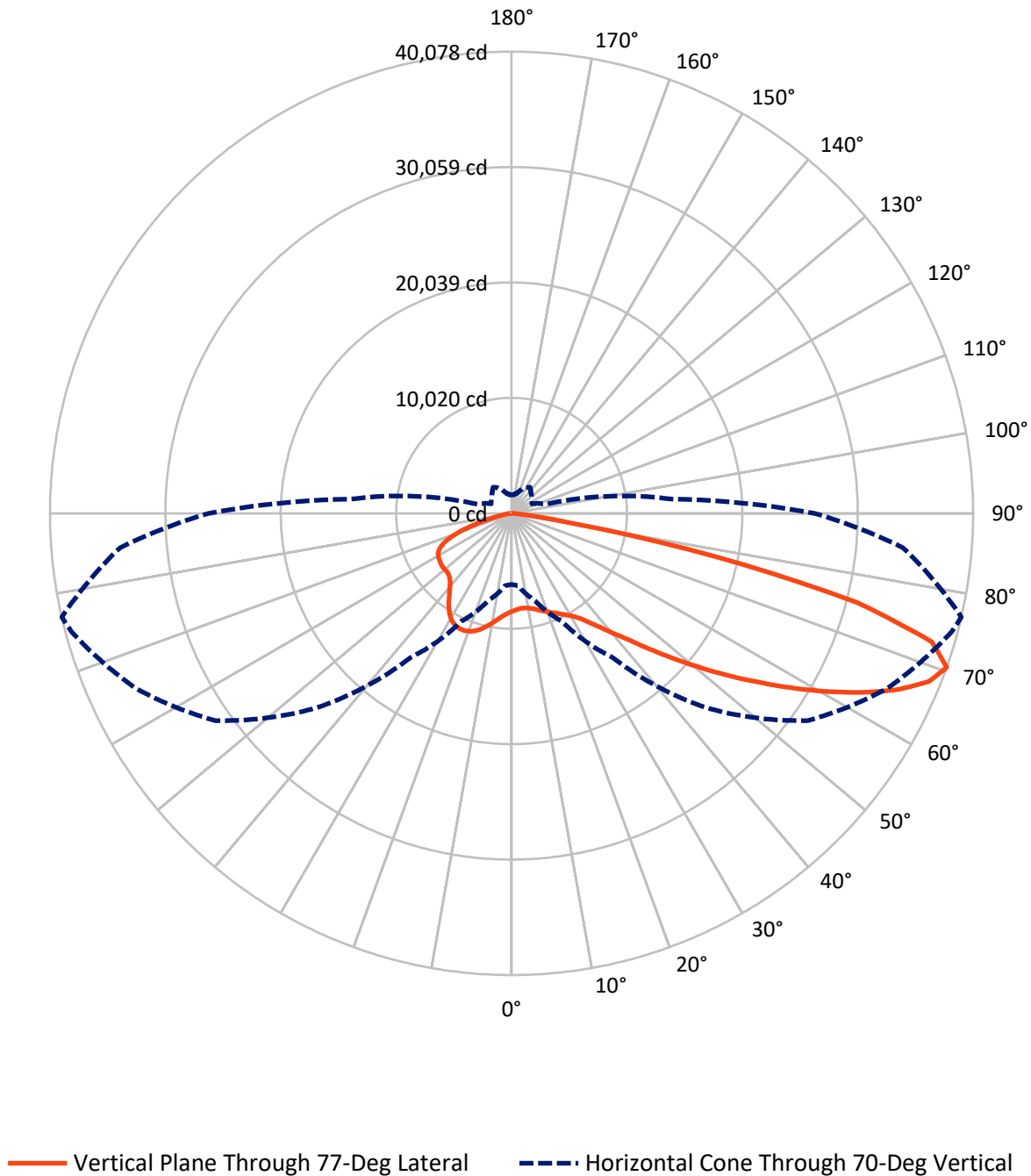
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
Type III - Medium - N/A

REPORT NUMBER: P957133
CATALOG NUMBER: GLAN-SB9C-827-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P957133

CATALOG NUMBER: GLAN-SB9C-827-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13334.8	0.0	13334.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	47559.2	0.0	47559.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	60894.0	0.0	60894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.2	1.3
10°-20°	2338.4	3.8
20°-30°	3998.9	6.6
30°-40°	6430.7	10.6
40°-50°	10040.0	16.5
50°-60°	13411.1	22.0
60°-70°	14294.2	23.5
70°-80°	8799.4	14.5
80°-90°	771.1	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°	60894.0	100.0
0°-180°	60894.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957133

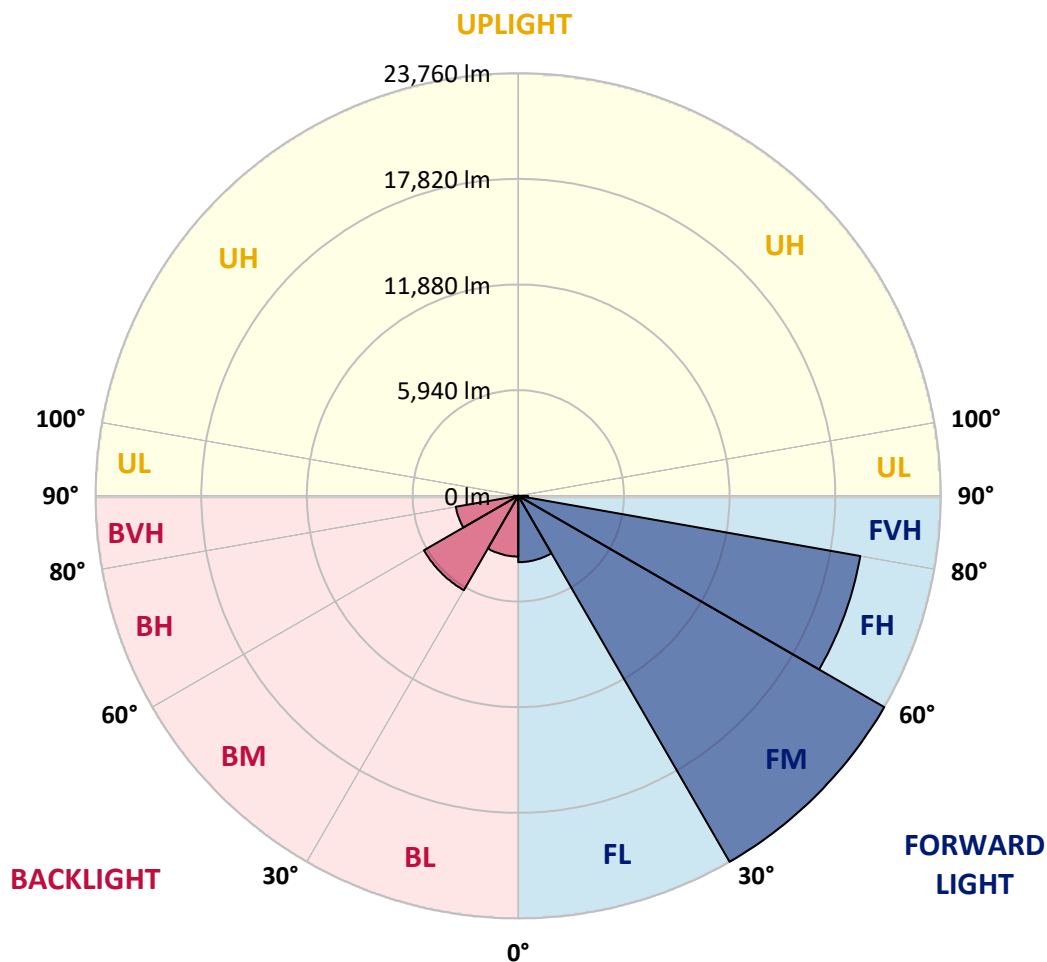
CATALOG NUMBER: GLAN-SB9C-827-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3730.7	6.1			
FM	(30°-60°)	23759.5	39.0			
FH	(60°-80°)	19529.7	32.1			G5
FVH	(80°-90°)	539.2	0.9			G4/750
BL	(0°-30°)	3416.8	5.6	B4/5000		
BM	(30°-60°)	6122.3	10.1	B4/8500		
BH	(60°-80°)	3563.8	5.9	B4/5000		G4/5000
BVH	(80°-90°)	231.9	0.4			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 III Medium



REPORT NUMBER: P957133

CATALOG NUMBER: GLAN-SB9C-827-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3
2.5°	7831.0	7827.9	7868.4	7880.9	7955.7	8008.8	8108.6	8214.6	8351.8	8367.4
5°	7378.8	7378.8	7425.6	7475.5	7572.1	7678.2	7831.0	8015.0	8252.0	8289.4
7.5°	6995.2	7020.1	7060.7	7157.4	7269.6	7422.4	7656.3	7918.3	8230.2	8289.4
10°	6686.4	6714.5	6764.4	6842.4	7010.8	7222.8	7528.5	7865.3	8283.2	8376.8
12.5°	6589.8	6617.8	6645.9	6705.1	6861.1	7110.6	7475.5	7890.2	8411.1	8504.6
15°	6814.3	6848.6	6826.8	6811.2	6892.3	7119.9	7500.4	7980.7	8570.1	8704.2
17.5°	7332.0	7344.5	7294.6	7148.0	7135.5	7257.2	7618.9	8105.4	8769.7	8916.3
20°	8167.8	8146.0	8043.1	7753.0	7587.7	7562.8	7821.6	8292.6	8975.5	9131.5
22.5°	9303.0	9278.1	9072.2	8613.8	8245.8	8002.5	8114.8	8535.8	9206.3	9381.0
25°	10718.9	10684.6	10382.1	9758.3	9187.6	8585.7	8514.0	8857.0	9490.1	9652.3
27.5°	12371.8	12343.7	12016.3	11192.9	10369.6	9384.1	9009.8	9234.4	9786.4	9970.4
30°	14149.4	14230.5	13650.4	12764.7	11723.1	10425.7	9677.2	9699.1	10170.0	10335.3
32.5°	16238.9	16379.3	15680.7	14558.0	13135.9	11557.8	10519.3	10347.8	10728.2	10865.5
35°	18309.7	18468.8	17888.7	16647.5	15010.2	12892.6	11398.8	11093.1	11470.5	11620.2
37.5°	20099.9	20311.9	20012.5	18933.5	17015.5	14501.8	12546.4	11969.5	12384.3	12571.4
40°	21512.6	21837.0	21815.1	21141.5	19379.4	16454.1	14002.8	13051.7	13519.5	13722.2
42.5°	22660.3	22941.0	23184.2	23149.9	21846.3	18671.5	15715.0	14458.2	14813.7	15047.6
45°	23452.4	23751.8	24275.8	24840.2	24219.6	21044.8	17676.6	16126.7	16451.0	16803.4
47.5°	24160.4	24500.3	25180.2	26075.2	26234.3	23427.5	19825.4	18069.6	18365.9	18730.8
50°	24222.7	24515.9	25570.0	26839.3	27665.8	25716.6	22133.2	20249.6	20527.1	20916.9
52.5°	22716.4	23178.0	25018.0	26817.5	28323.8	27631.5	24425.5	22516.8	22828.7	23296.5
55°	17633.0	18309.7	23399.4	25981.7	28089.9	28869.6	26605.4	24927.6	25326.8	25816.4
57.5°	15187.9	15484.2	18574.8	24459.8	27023.3	29190.8	28445.4	27363.2	28005.7	28542.1
60°	13650.4	13896.8	15724.4	22092.7	25619.9	28682.4	29867.5	29633.6	30743.9	31383.2
62.5°	12003.8	12237.7	13899.9	18447.0	23823.6	27837.3	30765.7	31729.4	33550.7	34249.3
65°	10369.6	10569.2	12162.8	15499.8	21540.7	26992.1	31230.4	33541.3	36148.6	36872.1
67.5°	8548.3	8713.6	10219.9	13076.6	18765.1	25835.1	31461.2	34966.6	38409.6	39030.2
70°	6168.7	6296.6	7852.8	10341.5	15281.5	23845.4	31367.6	35977.0	39582.2	40078.1
72.5°	2916.0	3031.4	4858.9	6714.5	10793.7	19972.0	29474.6	35175.5	38390.9	38144.5
75°	1556.2	1656.0	2791.2	3683.2	5700.9	13691.0	24119.8	30301.0	32237.7	31040.2
77.5°	1054.1	1132.1	1727.7	2211.1	2604.1	6499.3	15502.9	20979.3	20184.1	18206.8
80°	835.8	916.9	1415.9	1497.0	1259.9	2348.4	6405.8	9711.6	6976.5	5579.3
82.5°	642.4	732.9	1191.3	1085.3	686.1	963.7	1865.0	3071.9	1787.0	1359.7
85°	393.0	489.6	935.6	692.3	386.7	439.7	633.1	854.5	545.8	455.3
87.5°	199.6	280.7	474.0	252.6	174.6	102.9	168.4	168.4	143.5	124.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957133

CATALOG NUMBER: GLAN-SB9C-827-U-T3R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8495.3	0°	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3	8495.3
8451.6	2.5°	8526.5	8588.8	8694.9	8794.7	8872.6	8947.5	9022.3	9062.9	9075.3	9125.2
8498.4	5°	8626.3	8741.6	8947.5	9140.8	9262.5	9337.3	9390.3	9421.5	9427.8	9443.3
8626.3	7.5°	8810.3	8994.3	9281.2	9474.5	9565.0	9558.7	9536.9	9458.9	9427.8	9399.7
8813.4	10°	9069.1	9312.4	9664.8	9798.9	9742.7	9593.0	9399.7	9172.0	9066.0	8963.1
9069.1	12.5°	9390.3	9699.1	10045.2	10039.0	9761.5	9377.9	8928.8	8579.5	8358.0	8199.0
9384.1	15°	9780.2	10135.7	10400.8	10188.7	9580.6	8891.3	8233.3	7778.0	7578.4	7403.7
9702.2	17.5°	10182.5	10562.9	10684.6	10141.9	9125.2	8170.9	7425.6	7066.9	6870.4	6776.9
10045.2	20°	10575.4	10952.8	10853.0	9873.7	8432.9	7353.8	6689.6	6493.1	6452.5	6474.4
10378.9	22.5°	10990.2	11327.0	10887.3	9356.0	7550.3	6518.0	6153.1	6159.4	6249.8	6315.3
10728.2	25°	11414.3	11642.0	10796.9	8607.5	6602.2	5903.7	5813.2	5913.0	6090.8	6218.6
11121.2	27.5°	11822.9	11922.7	10600.4	7681.3	5788.3	5463.9	5479.5	5685.3	5953.5	6131.3
11598.3	30°	12284.5	12172.2	10223.0	6639.7	5223.8	5086.6	5217.5	5457.7	5725.9	5884.9
12200.3	32.5°	12805.3	12387.4	9624.2	5676.0	4824.6	4784.0	4999.2	5155.2	5273.7	5320.5
12998.6	35°	13454.0	12689.9	8857.0	4999.2	4465.9	4562.6	4768.5	4690.5	4643.7	4618.8
14071.5	37.5°	14296.0	13098.4	7958.9	4559.5	4175.9	4403.6	4487.8	4244.5	4060.5	3970.1
15371.9	40°	15309.6	13697.2	7095.0	4219.6	3991.9	4266.3	4119.8	3826.6	3592.7	3464.8
16834.6	42.5°	16435.4	14324.1	6368.3	3963.8	3889.0	4154.1	3848.4	3499.2	3121.8	3081.3
18577.9	45°	17617.4	14969.6	5872.5	3767.4	3839.1	4057.4	3692.5	3128.0	2859.8	3025.1
20327.5	47.5°	18799.4	15562.2	5573.1	3620.8	3814.1	3948.2	3555.3	2922.2	2732.0	2972.1
22201.8	50°	20115.4	16092.4	5439.0	3514.7	3786.1	3904.6	3349.5	2869.2	2597.9	2756.9
24141.7	52.5°	21422.2	16504.0	5339.2	3408.7	3745.5	3870.3	3249.7	2806.8	2435.7	2445.0
26093.9	55°	22725.8	16772.2	5230.0	3268.4	3655.1	3795.4	3240.3	2738.2	2314.1	2270.4
28158.5	57.5°	24116.7	16925.0	5095.9	3112.4	3499.2	3605.2	3230.9	2685.2	2276.6	2204.9
30269.9	60°	25532.6	17149.6	4921.3	2922.2	3290.2	3377.5	3209.1	2666.5	2254.8	2133.2
32259.6	62.5°	26801.9	17227.6	4712.3	2741.3	3022.0	3153.0	3162.3	2650.9	2195.5	1986.6
33912.5	65°	27634.6	16890.7	4347.4	2535.5	2732.0	2922.2	3071.9	2597.9	2089.5	1880.6
34729.6	67.5°	27600.3	15930.2	3776.7	2270.4	2451.3	2666.5	2940.9	2507.4	1961.6	1749.6
34112.1	70°	26315.4	14034.0	3053.2	1961.6	2142.5	2392.0	2772.5	2373.3	1808.8	1606.1
30332.2	72.5°	22569.8	10984.0	2217.4	1599.9	1783.9	2108.2	2554.2	2211.1	1652.9	1478.3
22417.0	75°	16123.5	6951.5	1503.2	1228.8	1387.8	1787.0	2282.9	2020.9	1509.4	1484.5
11227.2	77.5°	8236.4	3321.4	994.9	898.2	966.8	1409.6	1918.0	1805.7	1531.3	1225.6
3193.5	80°	2678.9	1225.6	626.9	611.3	642.4	938.7	1484.5	1481.4	1160.1	832.7
773.4	82.5°	854.5	527.1	408.5	393.0	377.4	589.4	1035.4	1172.6	782.8	527.1
277.6	85°	339.9	315.0	240.1	221.4	159.1	277.6	542.6	779.7	583.2	380.5
71.7	87.5°	124.7	124.7	65.5	46.8	34.3	93.6	146.6	233.9	333.7	196.5
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°
8495.3
9153.3
9468.3
9405.9
8931.9
8161.6
7385.0
6804.9
6465.0
6330.9
6252.9
6175.0
5922.4
5345.4
4643.7
3991.9
3474.2
3121.8
3112.4
3084.4
2875.4
2510.5
2301.6
2214.3
2142.5
1986.6
1880.6
1758.9
1624.8
1468.9
1400.3
1091.5
736.0
523.9
389.8
193.4
0.0