

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: P956440

Luminaire Tested: **GLAN-SB9A-830-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956440
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-SB9A-830-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37689 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 255.5
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



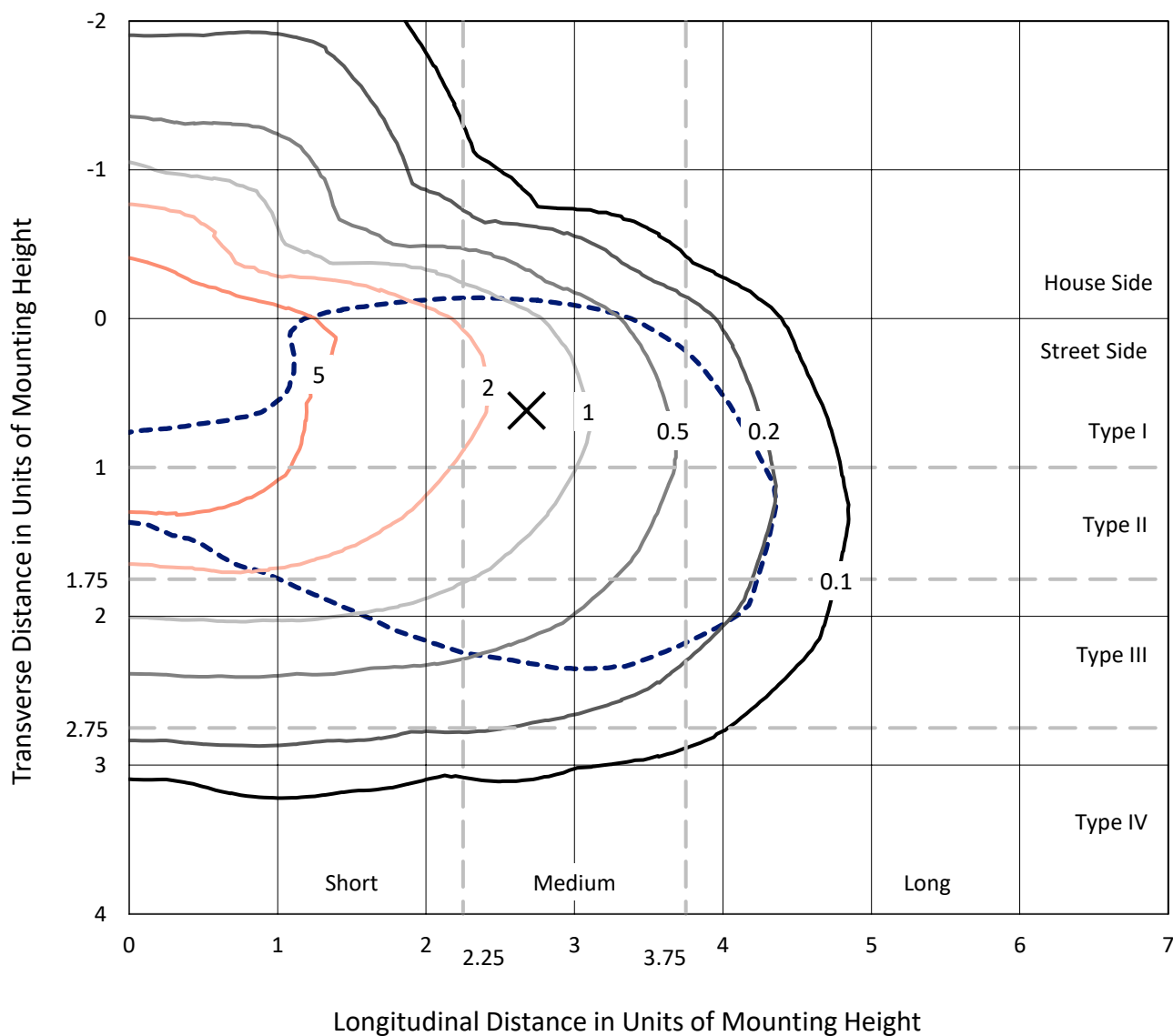
REPORT NUMBER: P956440

CATALOG NUMBER: GLAN-SB9A-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

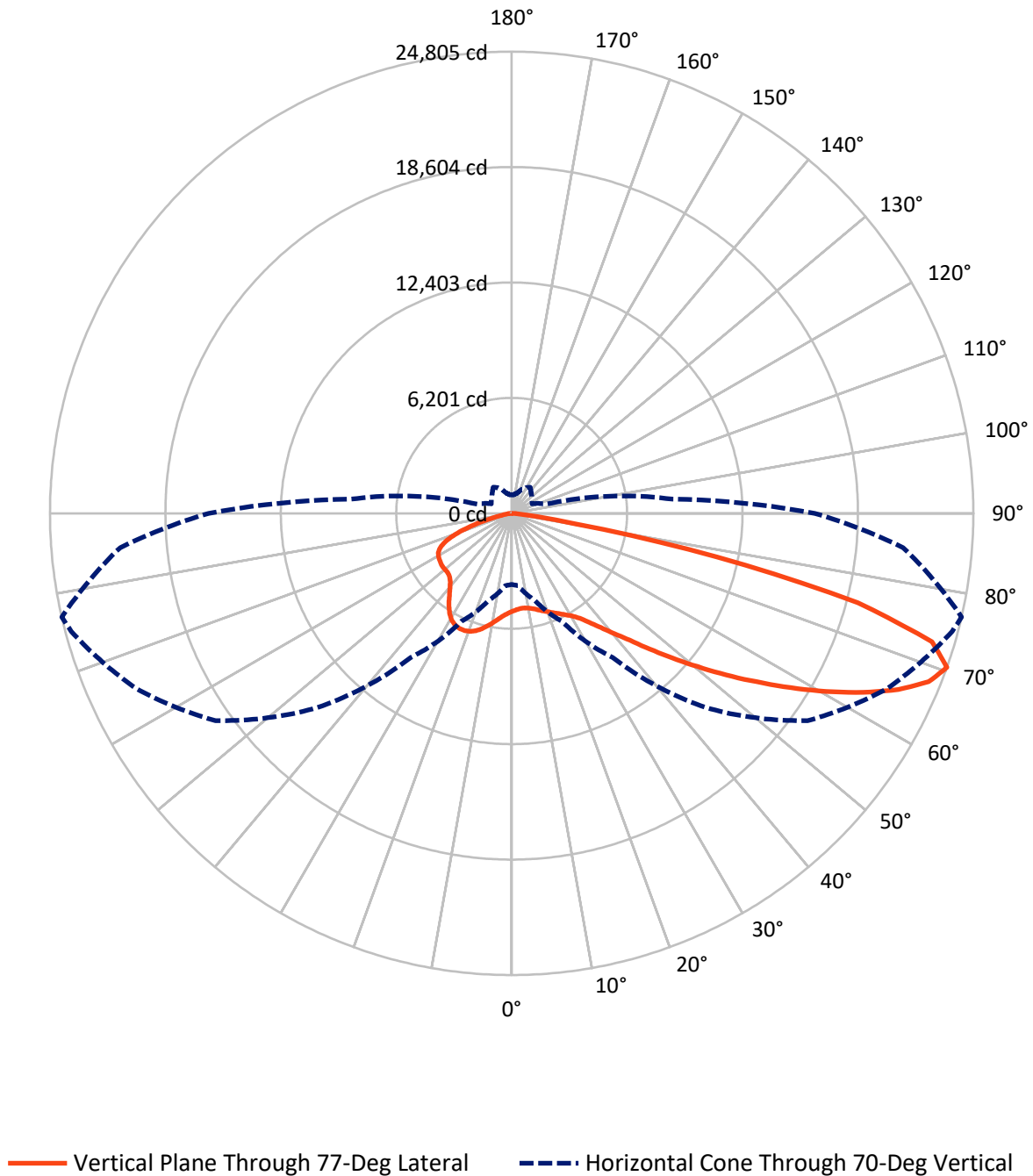
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
Type III - Medium - N/A

REPORT NUMBER: P956440
CATALOG NUMBER: GLAN-SB9A-830-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P956440

CATALOG NUMBER: GLAN-SB9A-830-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8253.3	0.0	8253.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	29435.7	0.0	29435.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	37689.0	0.0	37689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.5	1.3
10°-20°	1447.3	3.8
20°-30°	2475.1	6.6
30°-40°	3980.1	10.6
40°-50°	6214.1	16.5
50°-60°	8300.5	22.0
60°-70°	8847.1	23.5
70°-80°	5446.2	14.5
80°-90°	477.2	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°	37689.0	100.0
0°-180°	37689.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956440

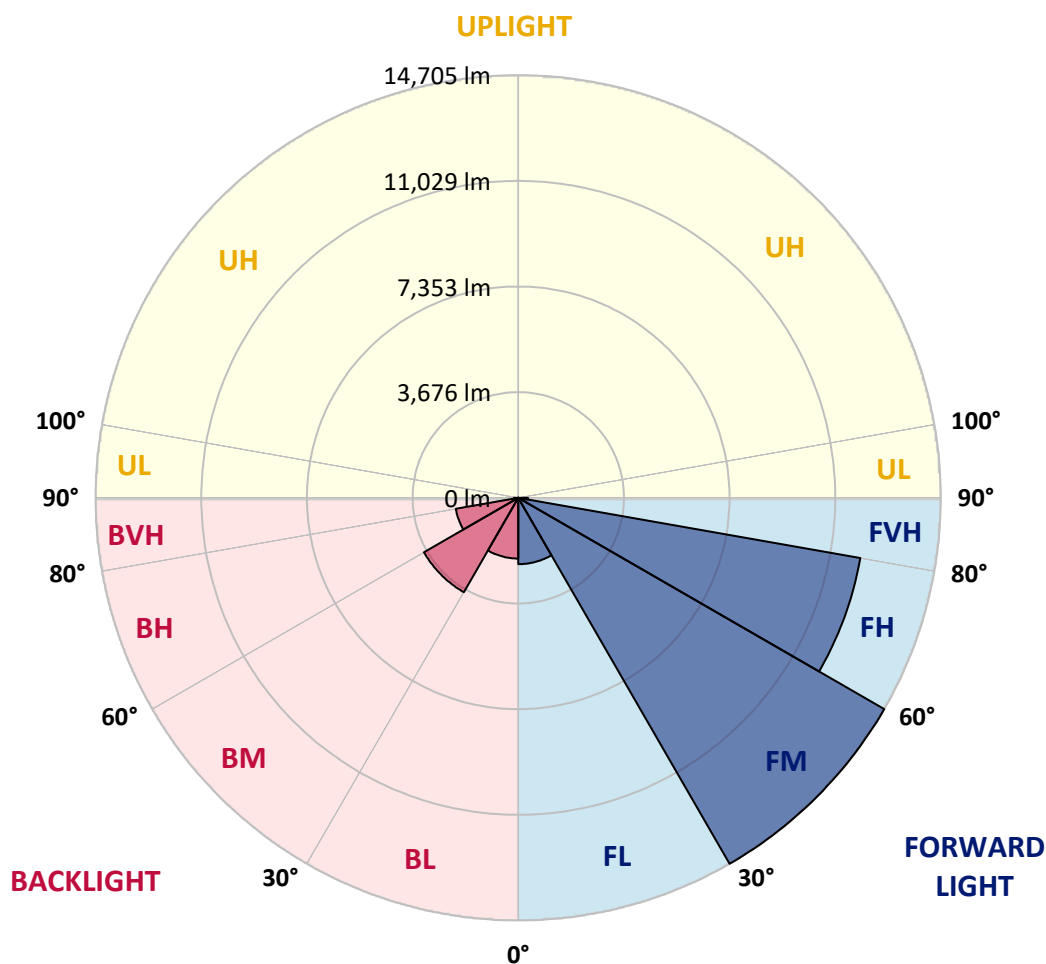
CATALOG NUMBER: GLAN-SB9A-830-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2309.1	6.1			
FM	(30°-60°)	14705.4	39.0			
FH	(60°-80°)	12087.5	32.1			G5
FVH	(80°-90°)	333.7	0.9			G3/500
BL	(0°-30°)	2114.8	5.6	B3/2500		
BM	(30°-60°)	3789.3	10.1	B3/5000		
BH	(60°-80°)	2205.8	5.9	B3/2500		G3/2500
BVH	(80°-90°)	143.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



REPORT NUMBER: P956440

CATALOG NUMBER: GLAN-SB9A-830-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0
2.5°	4846.8	4844.9	4870.0	4877.7	4924.0	4956.8	5018.6	5084.2	5169.2	5178.8
5°	4566.9	4566.9	4595.9	4626.8	4686.6	4752.2	4846.8	4960.7	5107.4	5130.6
7.5°	4329.5	4345.0	4370.1	4429.9	4499.4	4594.0	4738.7	4900.9	5093.9	5130.6
10°	4138.4	4155.8	4186.7	4234.9	4339.2	4470.4	4659.6	4868.1	5126.7	5184.6
12.5°	4078.6	4096.0	4113.3	4150.0	4246.5	4400.9	4626.8	4883.5	5205.8	5263.8
15°	4217.6	4238.8	4225.3	4215.6	4265.8	4406.7	4642.2	4939.5	5304.3	5387.3
17.5°	4538.0	4545.7	4514.8	4424.1	4416.4	4491.7	4715.6	5016.7	5427.8	5518.5
20°	5055.3	5041.8	4978.1	4798.6	4696.3	4680.8	4841.0	5132.5	5555.2	5651.7
22.5°	5757.9	5742.4	5615.1	5331.3	5103.5	4953.0	5022.5	5283.1	5698.1	5806.1
25°	6634.2	6613.0	6425.8	6039.7	5686.5	5313.9	5269.5	5481.9	5873.7	5974.1
27.5°	7657.2	7639.9	7437.2	6927.6	6418.0	5808.1	5576.4	5715.4	6057.1	6171.0
30°	8757.5	8807.7	8448.6	7900.5	7255.8	6452.8	5989.5	6003.0	6294.5	6396.8
32.5°	10050.7	10137.6	9705.2	9010.3	8130.1	7153.4	6510.7	6404.5	6640.0	6724.9
35°	11332.4	11430.8	11071.8	10303.6	9290.2	7979.6	7055.0	6865.8	7099.4	7192.1
37.5°	12440.4	12571.6	12386.3	11718.5	10531.4	8975.6	7765.3	7408.2	7665.0	7780.8
40°	13314.8	13515.5	13502.0	13085.1	11994.5	10183.9	8666.8	8078.0	8367.6	8493.0
42.5°	14025.1	14198.8	14349.4	14328.1	13521.3	11556.3	9726.5	8948.6	9168.6	9313.4
45°	14515.4	14700.7	15024.9	15374.3	14990.2	13025.2	10940.6	9981.2	10182.0	10400.1
47.5°	14953.5	15163.9	15584.7	16138.7	16237.1	14499.9	12270.5	11183.8	11367.2	11593.0
50°	14992.1	15173.6	15826.0	16611.6	17123.1	15916.7	13698.9	12533.0	12704.8	12946.1
52.5°	14059.8	14345.5	15484.3	16598.1	17530.4	17101.9	15117.6	13936.3	14129.3	14418.9
55°	10913.5	11332.4	14482.6	16080.8	17385.6	17868.2	16466.8	15428.4	15675.4	15978.5
57.5°	9400.2	9583.6	11496.5	15138.8	16725.5	18067.0	17605.7	16935.9	17333.5	17665.5
60°	8448.6	8601.1	9732.2	13673.8	15856.9	17752.4	18485.9	18341.1	19028.3	19424.0
62.5°	7429.5	7574.2	8603.1	11417.3	14745.1	17229.3	19041.8	19638.2	20765.5	21197.8
65°	6418.0	6541.6	7527.9	9593.3	13332.1	16706.2	19329.4	20759.7	22373.4	22821.2
67.5°	5290.8	5393.1	6325.4	8093.5	11614.2	15990.1	19472.2	21641.8	23772.8	24156.9
70°	3818.0	3897.1	4860.3	6400.7	9458.2	14758.6	19414.3	22267.2	24498.5	24805.4
72.5°	1804.8	1876.2	3007.3	4155.8	6680.5	12361.2	18242.6	21771.1	23761.2	23608.7
75°	963.2	1025.0	1727.6	2279.6	3528.5	8473.7	14928.4	18754.2	19952.8	19211.6
77.5°	652.4	700.7	1069.4	1368.5	1611.7	4022.6	9595.2	12984.7	12492.5	11268.7
80°	517.3	567.5	876.3	926.5	779.8	1453.5	3964.7	6010.8	4317.9	3453.2
82.5°	397.6	453.6	737.3	671.7	424.7	596.4	1154.3	1901.3	1106.0	841.6
85°	243.2	303.0	579.1	428.5	239.3	272.2	391.8	528.9	337.8	281.8
87.5°	123.5	173.7	293.4	156.3	108.1	63.7	104.2	104.2	88.8	77.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956440

CATALOG NUMBER: GLAN-SB9A-830-U-T3R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5258.0	0°	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0	5258.0
5230.9	2.5°	5277.3	5315.9	5381.5	5443.3	5491.5	5537.8	5584.2	5609.3	5617.0	5647.9
5259.9	5°	5339.0	5410.4	5537.8	5657.5	5732.8	5779.1	5811.9	5831.2	5835.1	5844.8
5339.0	7.5°	5452.9	5566.8	5744.4	5864.1	5920.0	5916.2	5902.7	5854.4	5835.1	5817.7
5454.8	10°	5613.1	5763.7	5981.8	6064.8	6030.1	5937.4	5817.7	5676.8	5611.2	5547.5
5613.1	12.5°	5811.9	6003.0	6217.3	6213.4	6041.6	5804.2	5526.3	5310.1	5173.0	5074.6
5808.1	15°	6053.2	6273.3	6437.3	6306.1	5929.7	5503.1	5095.8	4814.0	4690.5	4582.4
6005.0	17.5°	6302.2	6537.7	6613.0	6277.1	5647.9	5057.2	4595.9	4373.9	4252.3	4194.4
6217.3	20°	6545.4	6779.0	6717.2	6111.1	5219.4	4551.5	4140.4	4018.7	3993.7	4007.2
6423.8	22.5°	6802.1	7010.6	6738.4	5790.7	4673.1	4034.2	3808.4	3812.2	3868.2	3908.7
6640.0	25°	7064.7	7205.6	6682.5	5327.4	4086.3	3653.9	3598.0	3659.7	3769.7	3848.9
6883.2	27.5°	7317.5	7379.3	6560.9	4754.2	3582.5	3381.8	3391.4	3518.8	3684.8	3794.8
7178.5	30°	7603.2	7533.7	6327.3	4109.5	3233.1	3148.2	3229.3	3377.9	3543.9	3642.4
7551.1	32.5°	7925.5	7666.9	5956.7	3513.0	2986.1	2961.0	3094.2	3190.7	3264.0	3293.0
8045.2	35°	8327.0	7854.1	5481.9	3094.2	2764.1	2823.9	2951.3	2903.1	2874.1	2858.7
8709.2	37.5°	8848.2	8107.0	4926.0	2822.0	2584.6	2725.5	2777.6	2627.0	2513.2	2457.2
9514.1	40°	9475.5	8477.6	4391.3	2611.6	2470.7	2640.6	2549.8	2368.4	2223.6	2144.5
10419.4	42.5°	10172.3	8865.6	3941.5	2453.3	2407.0	2571.1	2381.9	2165.7	1932.2	1907.1
11498.4	45°	10903.9	9265.1	3634.6	2331.7	2376.1	2511.2	2285.4	1936.0	1770.0	1872.3
12581.3	47.5°	11635.5	9631.9	3449.3	2241.0	2360.7	2443.7	2200.5	1808.6	1690.9	1839.5
13741.3	50°	12450.0	9960.0	3366.3	2175.4	2343.3	2416.7	2073.1	1775.8	1607.9	1706.3
14941.9	52.5°	13258.8	10214.8	3304.6	2109.7	2318.2	2395.4	2011.3	1737.2	1507.5	1513.3
16150.3	55°	14065.6	10380.8	3237.0	2022.9	2262.2	2349.1	2005.5	1694.7	1432.2	1405.2
17428.1	57.5°	14926.5	10475.4	3154.0	1926.4	2165.7	2231.4	1999.7	1661.9	1409.1	1364.7
18734.9	60°	15802.8	10614.4	3045.9	1808.6	2036.4	2090.4	1986.2	1650.4	1395.6	1320.3
19966.3	62.5°	16588.4	10662.6	2916.6	1696.7	1870.4	1951.5	1957.3	1640.7	1358.9	1229.6
20989.4	65°	17103.8	10454.2	2690.7	1569.3	1690.9	1808.6	1901.3	1607.9	1293.3	1163.9
21495.1	67.5°	17082.6	9859.6	2337.5	1405.2	1517.2	1650.4	1820.2	1551.9	1214.1	1082.9
21112.9	70°	16287.3	8686.1	1889.7	1214.1	1326.1	1480.5	1716.0	1468.9	1119.5	994.1
18773.5	72.5°	13969.1	6798.3	1372.4	990.2	1104.1	1304.8	1580.9	1368.5	1023.0	914.9
13874.5	75°	9979.3	4302.5	930.4	760.5	859.0	1106.0	1412.9	1250.8	934.2	918.8
6948.8	77.5°	5097.7	2055.7	615.7	555.9	598.4	872.5	1187.1	1117.6	947.7	758.6
1976.6	80°	1658.1	758.6	388.0	378.3	397.6	581.0	918.8	916.9	718.0	515.4
478.7	82.5°	528.9	326.2	252.9	243.2	233.6	364.8	640.8	725.8	484.5	326.2
171.8	85°	210.4	195.0	148.6	137.0	98.4	171.8	335.9	482.6	361.0	235.5
44.4	87.5°	77.2	77.2	40.5	29.0	21.2	57.9	90.7	144.8	206.5	121.6
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°
5258.0
5665.2
5860.2
5821.6
5528.2
5051.4
4570.8
4211.8
4001.4
3918.4
3870.1
3821.9
3665.5
3308.4
2874.1
2470.7
2150.3
1932.2
1926.4
1909.0
1779.7
1553.8
1424.5
1370.5
1326.1
1229.6
1163.9
1088.7
1005.7
909.1
866.7
675.6
455.5
324.3
241.3
119.7
0.0