

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: P851436

Luminaire Tested: **GLAN-SB9B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34286 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

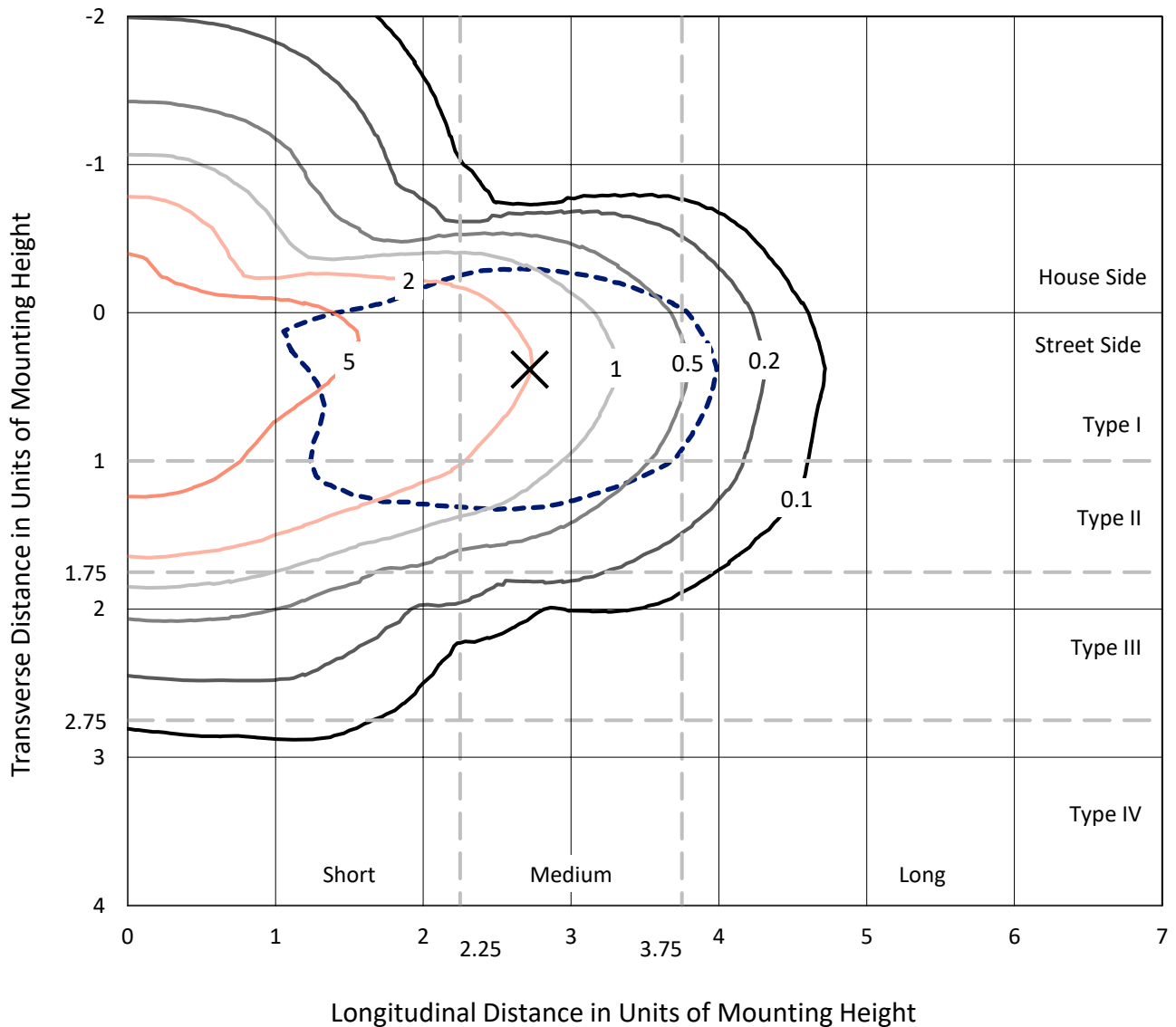
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

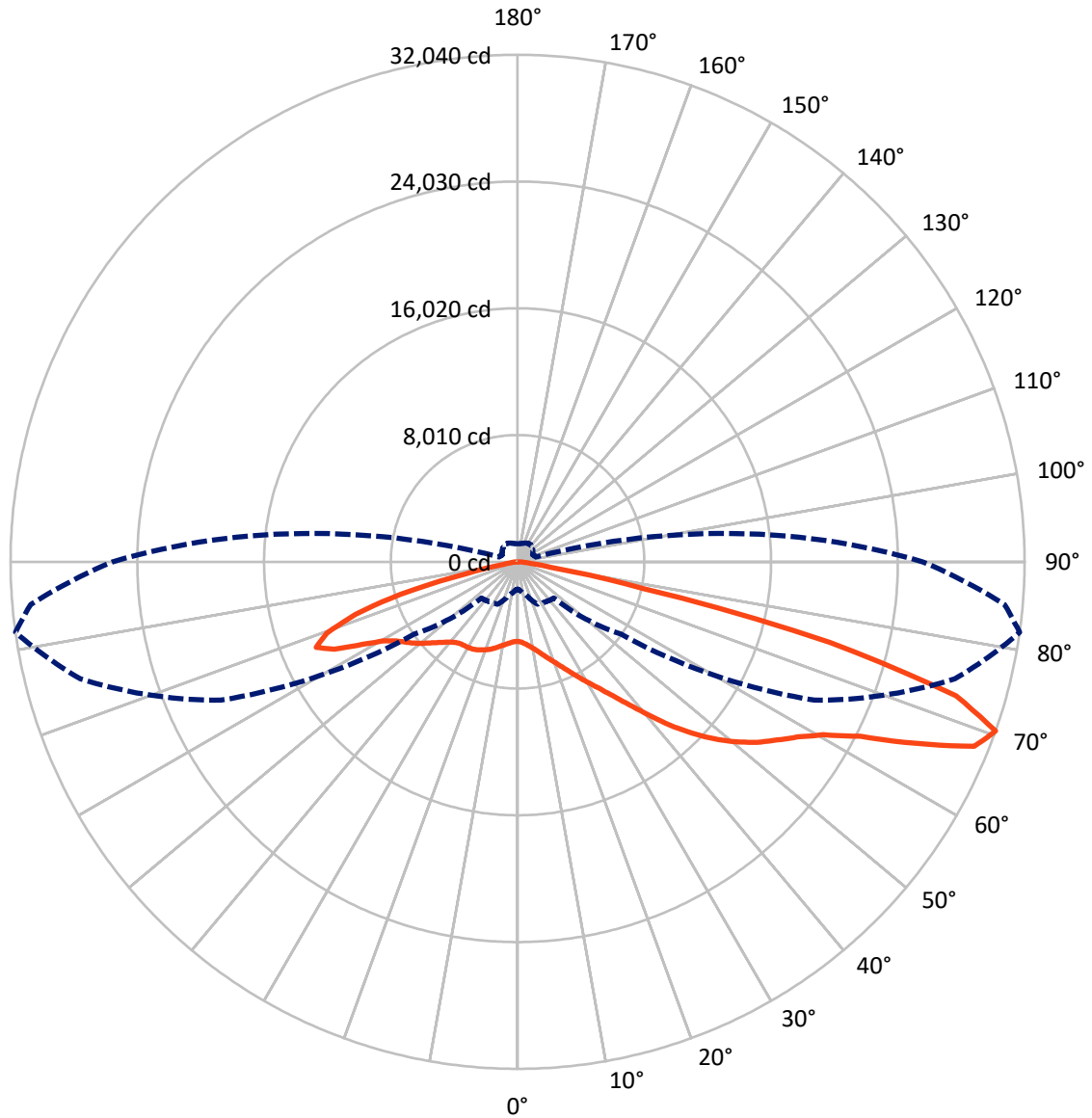
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8452.3	0.0	8452.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25833.7	0.0	25833.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	34286.0	0.0	34286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.6	1.4
10°-20°	1363.6	4.0
20°-30°	2281.2	6.7
30°-40°	3563.8	10.4
40°-50°	5675.7	16.6
50°-60°	7898.4	23.0
60°-70°	8262.1	24.1
70°-80°	4318.2	12.6
80°-90°	448.4	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°	34286.0	100.0
0°-180°	34286.0	100.0

Coefficient of Utilization

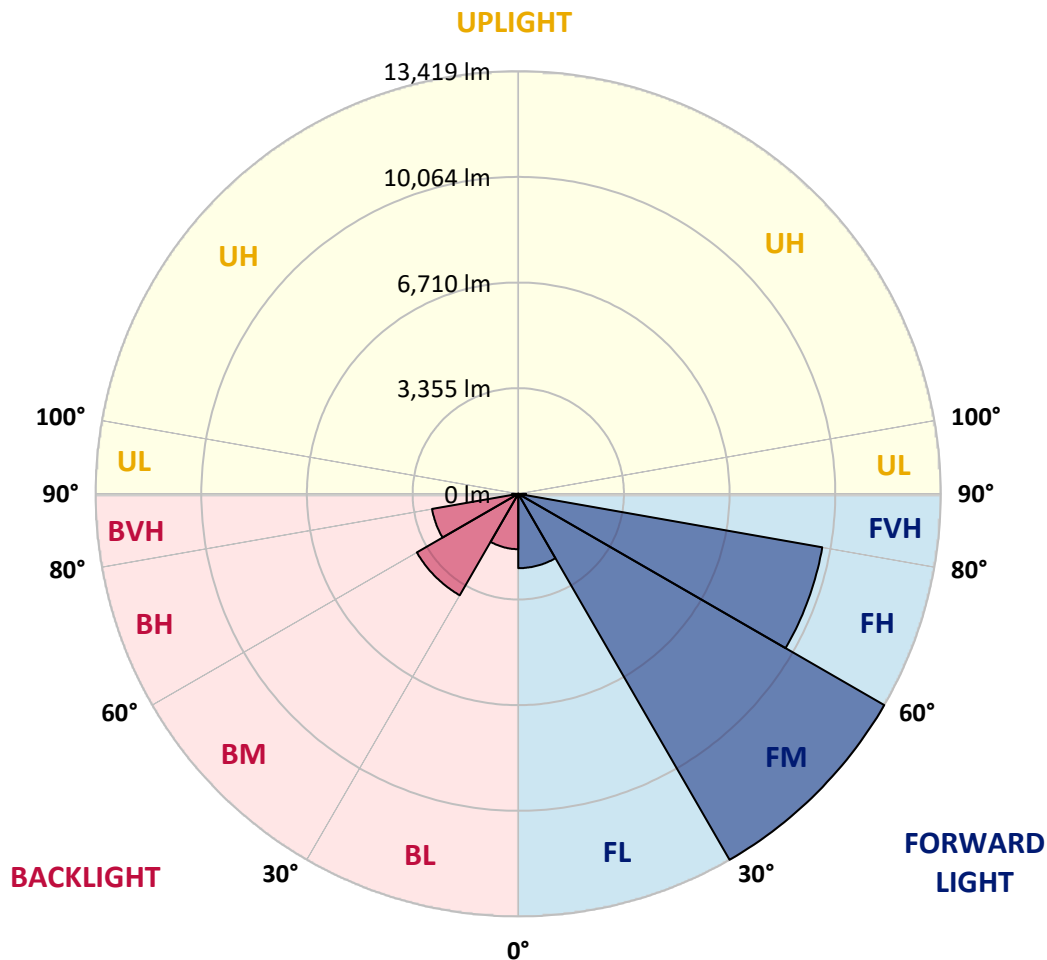


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2361.0	6.9			
FM (30°-60°)	13419.2	39.1			
FH (60°-80°)	9802.5	28.6			G4/12000
FVH (80°-90°)	251.0	0.7			G3/500
BL (0°-30°)	1758.4	5.1	B3/2500		
BM (30°-60°)	3718.7	10.8	B3/5000		
BH (60°-80°)	2777.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	197.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8
2.5°	5146.8	5175.9	5166.8	5157.7	5157.7	5145.0	5143.2	5125.0	5110.4	5086.8
5°	5212.3	5243.3	5239.6	5246.9	5270.5	5276.0	5281.5	5270.5	5241.4	5212.3
7.5°	5154.1	5188.7	5199.6	5243.3	5316.0	5381.5	5430.6	5450.7	5423.4	5381.5
10°	4957.6	4995.8	5034.0	5137.7	5266.9	5421.5	5552.5	5630.8	5625.3	5585.3
12.5°	4559.2	4599.2	4681.1	4883.0	5119.5	5392.4	5636.2	5800.0	5856.4	5827.3
15°	4240.8	4275.4	4337.2	4544.6	4852.1	5266.9	5667.2	5985.5	6129.3	6112.9
17.5°	4231.7	4246.3	4284.5	4382.7	4619.2	5070.4	5634.4	6167.5	6442.2	6440.4
20°	4391.8	4397.3	4419.1	4439.1	4573.7	4921.2	5550.7	6318.5	6793.3	6793.3
22.5°	4613.8	4610.1	4632.0	4613.8	4679.3	4908.5	5498.0	6451.3	7184.5	7213.6
25°	4946.7	4928.5	4923.1	4881.2	4893.9	5026.8	5556.2	6602.3	7648.4	7708.4
27.5°	5390.6	5361.5	5341.5	5245.1	5212.3	5270.5	5734.5	6784.2	8165.1	8268.8
30°	5969.2	5916.4	5887.3	5719.9	5601.7	5610.8	6003.7	7026.2	8705.4	8872.8
32.5°	6758.7	6676.9	6598.6	6323.9	6107.4	6036.5	6351.2	7360.9	9291.2	9558.7
35°	7642.9	7577.4	7493.7	7069.8	6736.9	6573.2	6820.6	7828.5	9977.1	10401.0
37.5°	8494.4	8438.0	8478.0	7906.7	7477.4	7239.0	7435.5	8456.2	10823.1	11448.9
40°	9374.9	9331.2	9336.7	8790.9	8290.6	8023.2	8181.4	9243.9	11792.8	12695.2
42.5°	10331.9	10299.1	10190.0	9706.0	9143.9	8894.6	9040.2	10153.6	12833.4	14114.2
45°	11403.4	11383.4	11281.5	10726.7	10082.6	9802.4	9998.9	11157.8	13879.5	15449.6
47.5°	12329.5	12345.8	12333.1	11865.5	11197.9	10786.7	11021.4	12205.8	14852.9	16704.9
50°	12775.2	12860.7	12986.2	12840.7	12425.9	12007.5	12052.9	13217.3	15780.7	17882.0
52.5°	12542.3	12704.2	13046.3	13279.2	13439.3	13351.9	13230.0	14221.6	16654.0	18944.5
55°	11674.5	11901.9	12469.6	13031.7	13848.6	14483.5	14643.6	15335.0	17505.4	19879.6
57.5°	10093.5	10462.9	10972.3	12109.3	13484.7	15031.1	16291.9	16879.6	18407.8	20878.4
60°	7382.8	7877.6	8510.7	10202.7	12211.2	14738.2	17694.6	19251.9	19690.4	22171.9
62.5°	4724.8	5030.4	5612.6	7206.3	9515.0	13237.3	18124.0	22217.4	21864.5	24293.3
65°	3234.7	3431.2	3964.3	4859.4	6151.1	9853.4	16974.2	24440.6	25317.5	27655.3
67.5°	2350.5	2499.7	2954.6	3738.7	4007.9	5830.9	13171.8	24338.7	28674.2	31119.3
70°	1713.8	1819.3	2201.4	2954.6	3083.7	3243.8	7979.5	20689.2	28601.4	32039.9
72.5°	1269.9	1342.7	1599.2	2292.3	2496.1	2190.5	3949.7	15036.6	24577.1	28979.8
75°	918.8	973.3	1162.5	1753.8	1997.6	1668.3	1970.3	8787.3	17143.4	20385.4
77.5°	702.3	744.1	867.8	1284.4	1599.2	1251.7	1222.6	4042.5	8128.7	8168.7
80°	564.0	591.3	658.6	904.2	1226.2	936.9	796.9	1631.9	2568.9	2174.1
82.5°	414.8	460.3	556.7	634.9	876.9	645.9	485.8	824.1	977.0	840.5
85°	236.5	267.4	336.6	454.8	560.3	394.8	278.4	365.7	454.8	373.0
87.5°	83.7	109.2	118.3	178.3	243.8	163.7	107.3	105.5	149.2	111.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5026.8	0°	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8	5026.8
5081.3	2.5°	5063.1	5054.0	5017.7	4968.5	4917.6	4868.5	4852.1	4817.5	4793.9	4781.1
5199.6	5°	5165.0	5135.9	5050.4	4941.2	4826.6	4702.9	4615.6	4535.5	4477.3	4422.7
5361.5	7.5°	5310.6	5259.6	5112.3	4921.2	4717.5	4511.9	4359.1	4242.6	4164.4	4113.5
5550.7	10°	5479.8	5401.5	5175.9	4890.3	4575.6	4280.8	4100.7	4000.7	3951.5	3924.3
5767.2	12.5°	5674.4	5563.5	5241.4	4819.4	4359.1	4022.5	3898.8	3869.7	3871.5	3873.3
6040.1	15°	5914.6	5759.9	5294.2	4664.7	4077.1	3824.2	3802.4	3849.7	3898.8	3922.4
6349.4	17.5°	6185.7	5967.3	5303.3	4410.0	3800.5	3696.8	3766.0	3867.9	3942.4	3975.2
6695.1	20°	6476.7	6178.4	5237.8	4049.8	3573.1	3593.1	3716.9	3847.8	3929.7	3971.6
7089.9	22.5°	6809.7	6404.0	5081.3	3671.4	3387.6	3480.3	3625.9	3753.2	3838.7	3880.6
7553.8	25°	7189.9	6656.9	4835.7	3353.0	3227.5	3353.0	3498.5	3604.1	3673.2	3711.4
8072.3	27.5°	7612.0	6920.7	4508.3	3100.1	3087.4	3222.0	3342.1	3423.9	3460.3	3489.4
8623.5	30°	8035.9	7160.8	4111.6	2909.1	2965.5	3092.8	3178.3	3214.7	3225.6	3231.1
9238.5	32.5°	8494.4	7368.2	3695.0	2750.8	2849.0	2967.3	3018.2	3034.6	2983.7	2949.1
9984.4	35°	9049.3	7590.2	3287.5	2625.3	2734.4	2836.3	2852.7	2838.1	2778.1	2707.1
10919.5	37.5°	9735.1	7866.7	2961.8	2536.1	2627.1	2694.4	2674.4	2670.7	2676.2	2592.5
12043.8	40°	10575.7	8226.9	2723.5	2467.0	2539.8	2554.3	2497.9	2528.8	2556.1	2428.8
13277.3	42.5°	11509.0	8661.7	2572.5	2419.7	2467.0	2432.4	2345.1	2379.7	2376.0	2208.6
14516.3	45°	12460.5	9134.8	2519.7	2385.1	2399.7	2330.5	2234.1	2243.2	2166.8	2015.8
15704.3	47.5°	13406.5	9642.3	2552.5	2356.0	2316.0	2237.8	2163.2	2123.1	2010.3	1897.5
16843.2	50°	14334.4	10175.4	2672.6	2297.8	2201.4	2155.9	2101.3	2030.4	1910.3	1813.9
17920.2	52.5°	15194.9	10712.1	2807.2	2201.4	2057.6	2084.9	2050.4	1968.5	1850.2	1752.0
18939.0	55°	16009.9	11248.8	2860.0	2068.6	1923.0	2023.1	2003.1	1852.1	1710.2	1630.1
20005.1	57.5°	16897.8	11894.7	2801.7	1899.4	1813.9	1952.1	1875.7	1708.3	1626.5	1566.4
21393.3	60°	18127.6	12908.0	2676.2	1690.1	1710.2	1846.6	1715.6	1646.5	1557.3	1490.0
23474.6	62.5°	20170.7	14798.3	2474.3	1482.7	1588.3	1690.1	1639.2	1570.1	1479.1	1413.6
27033.1	65°	23190.8	17425.4	2094.0	1320.8	1451.8	1537.3	1557.3	1488.2	1393.6	1324.5
30151.4	67.5°	25737.8	19073.7	1584.6	1186.2	1311.7	1413.6	1470.0	1402.7	1302.6	1235.3
30881.0	70°	25597.7	17876.6	1209.8	1053.4	1188.0	1291.7	1364.5	1311.7	1204.4	1140.7
28050.1	72.5°	22735.9	14954.7	978.8	918.8	1062.5	1164.4	1251.7	1211.7	1102.5	1040.6
20549.1	75°	16703.1	10615.7	782.3	782.3	906.0	1031.5	1128.0	1102.5	1002.4	958.8
8627.2	77.5°	7040.7	4453.7	613.1	649.5	753.2	886.0	1006.1	1015.2	927.8	982.4
2281.4	80°	1872.1	1228.0	467.6	511.2	591.3	731.4	875.1	871.4	776.8	725.9
847.8	82.5°	713.2	483.9	332.9	360.2	427.5	560.3	693.2	715.0	620.4	536.7
332.9	85°	274.7	207.4	205.6	216.5	249.2	371.1	524.0	542.2	467.6	396.6
92.8	87.5°	71.0	61.9	76.4	72.8	114.6	198.3	300.2	311.1	285.6	165.6
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

<u>180°</u>
5026.8
4795.7
4444.6
4124.4
3931.5
3877.0
3920.6
3982.5
3982.5
3891.5
3722.3
3500.4
3243.8
2960.0
2710.8
2598.0
2432.4
2206.8
2021.3
1897.5
1806.6
1753.8
1622.8
1561.0
1486.4
1413.6
1328.1
1237.1
1146.2
1040.6
946.0
891.5
675.0
536.7
409.3
236.5
0.0

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