

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: P851248

Luminaire Tested: **GLAN-SB9A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35106 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

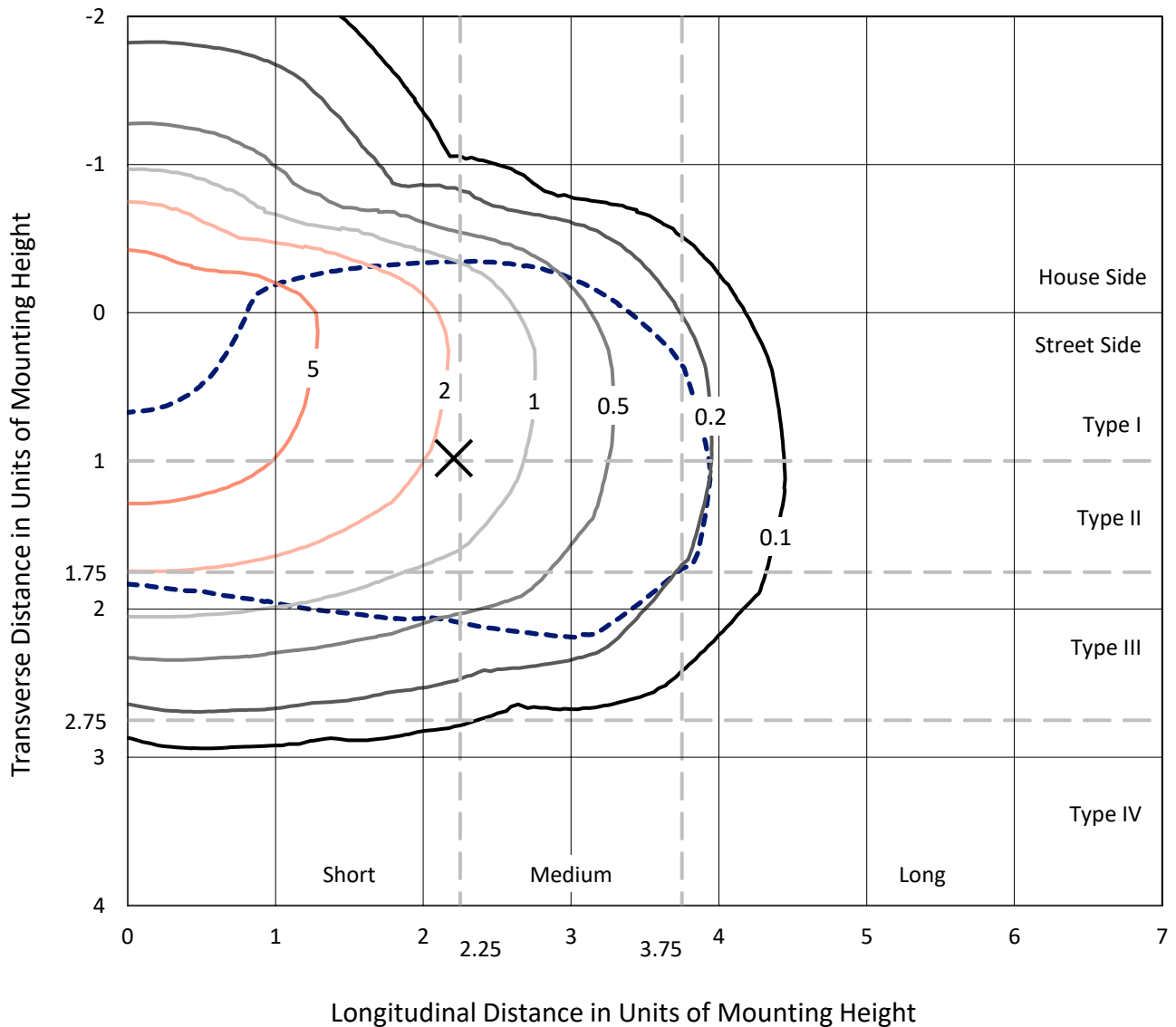
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

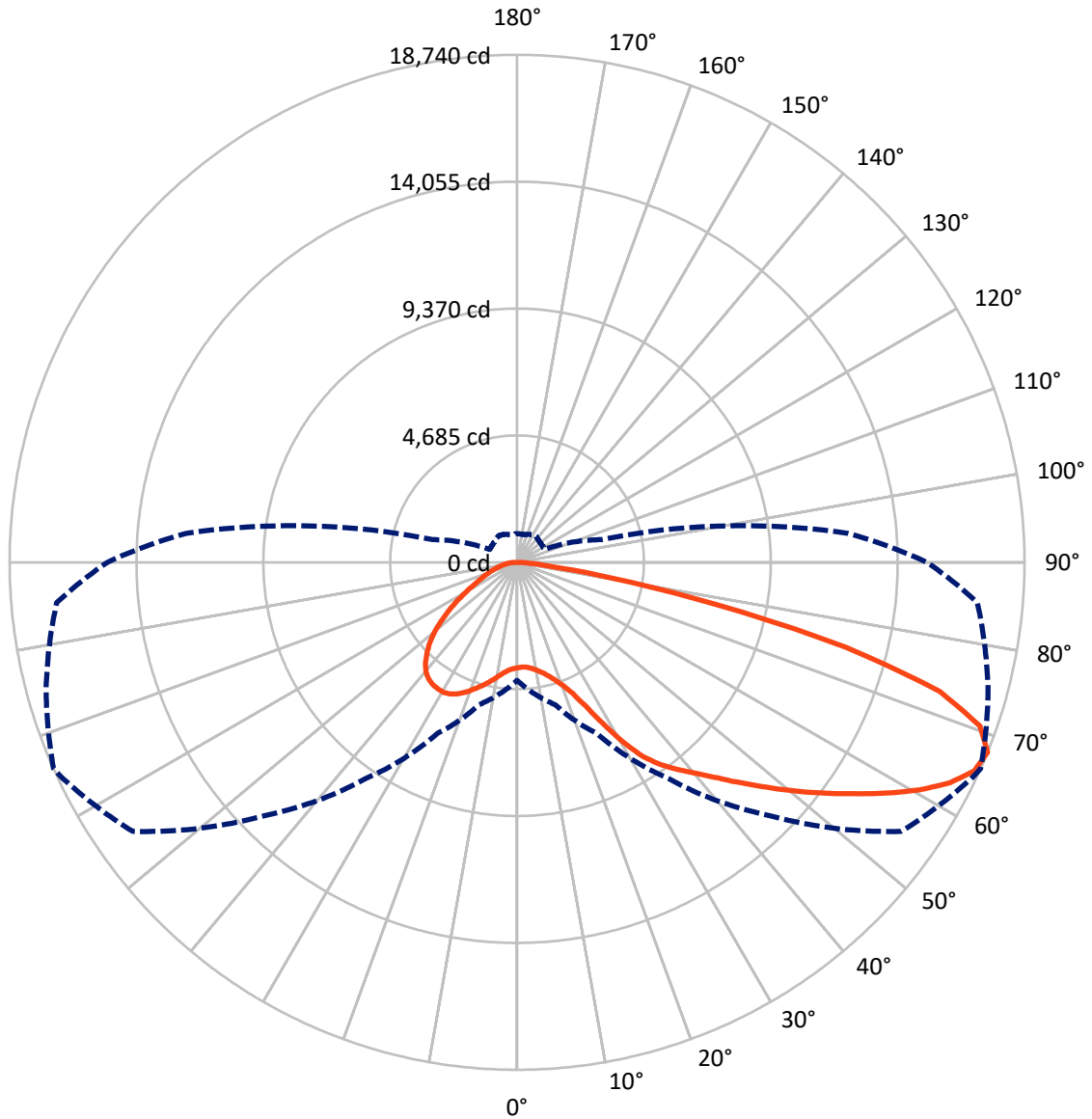
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8729.0	0.0	8729.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	26377.0	0.0	26377.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	35106.0	0.0	35106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.0	1.1
10°-20°	1275.4	3.6
20°-30°	2458.4	7.0
30°-40°	4310.4	12.3
40°-50°	6408.2	18.3
50°-60°	8123.0	23.1
60°-70°	7948.1	22.6
70°-80°	3791.3	10.8
80°-90°	405.2	1.2
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°	35106.0	100.0
0°-180°	35106.0	100.0

Coefficient of Utilization

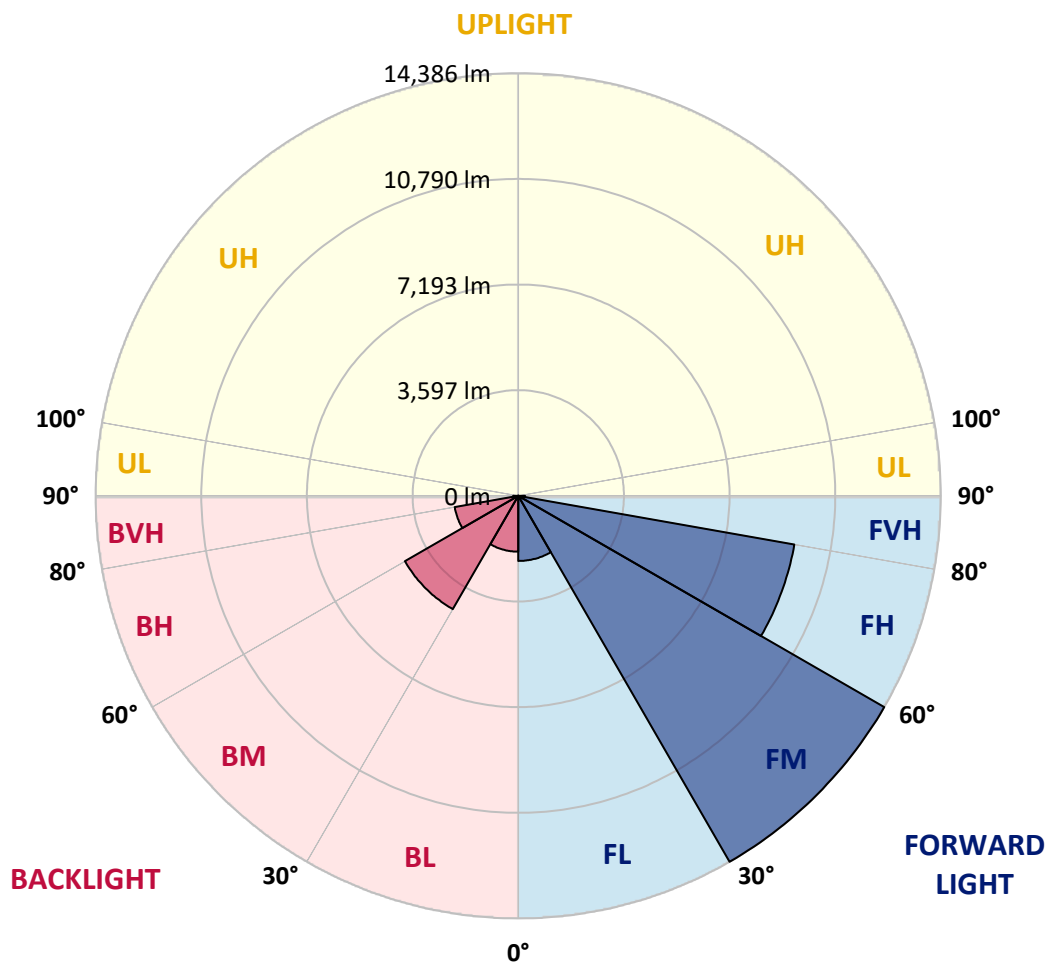


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2218.4	6.3			
FM (30°-60°)	14386.1	41.0			
FH (60°-80°)	9542.8	27.2			G4/12000
FVH (80°-90°)	229.7	0.7			G3/500
BL (0°-30°)	1901.5	5.4	B3/2500		
BM (30°-60°)	4455.4	12.7	B3/5000		
BH (60°-80°)	2196.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	175.5	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-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7
2.5°	3853.1	3875.3	3869.7	3860.5	3858.7	3862.4	3867.9	3873.4	3871.6	3880.8
5°	3842.1	3864.2	3862.4	3862.4	3869.7	3884.5	3893.7	3902.9	3893.7	3904.8
7.5°	3849.5	3866.1	3873.4	3880.8	3899.3	3926.9	3949.1	3969.3	3958.3	3971.2
10°	3943.5	3956.4	3963.8	3963.8	3976.7	4008.1	4030.2	4067.1	4057.9	4078.2
12.5°	4115.1	4128.0	4128.0	4120.6	4129.8	4150.1	4157.5	4198.1	4181.5	4214.7
15°	4325.3	4351.2	4330.9	4318.0	4321.6	4341.9	4340.1	4371.4	4354.8	4382.5
17.5°	4557.7	4590.9	4557.7	4555.9	4548.5	4570.6	4572.5	4600.2	4570.6	4590.9
20°	4832.6	4878.7	4851.0	4860.2	4843.6	4852.9	4862.1	4902.7	4856.5	4871.3
22.5°	5219.9	5275.2	5245.7	5280.8	5269.7	5262.3	5260.5	5332.4	5260.5	5266.0
25°	5784.3	5850.7	5799.1	5847.0	5847.0	5871.0	5898.7	5990.9	5871.0	5836.0
27.5°	6618.0	6684.4	6583.0	6612.5	6603.3	6662.3	6632.8	6861.5	6732.4	6675.2
30°	7621.4	7739.5	7547.7	7540.3	7531.1	7625.1	7667.5	7818.8	7687.8	7630.7
32.5°	8706.0	8829.6	8600.9	8534.5	8499.4	8556.6	8521.5	8643.3	8552.9	8464.4
35°	9853.3	9975.0	9757.4	9628.2	9488.1	9368.2	9242.7	9274.1	9189.3	9054.6
37.5°	10937.8	11161.0	10930.5	10792.1	10533.9	10299.6	9949.2	9803.5	9724.2	9600.6
40°	12042.7	12169.9	11994.7	11876.7	11596.3	11229.3	10668.5	10360.5	10253.5	10133.6
42.5°	12856.1	12977.8	12883.8	12802.6	12583.1	12157.0	11432.2	11046.7	10891.7	10757.1
45°	13501.7	13592.1	13533.0	13562.5	13468.5	13055.3	12223.4	11782.6	11622.1	11458.0
47.5°	13761.7	13857.7	13951.7	14127.0	14287.4	13983.1	13073.7	12579.4	12409.7	12241.9
50°	13732.2	13830.0	14103.0	14475.6	14973.6	14872.1	13970.2	13427.9	13271.1	13079.3
52.5°	13496.1	13606.8	13957.3	14577.0	15370.1	15538.0	14883.2	14304.0	14156.5	13927.7
55°	12876.4	12942.8	13468.5	14346.4	15464.2	16002.8	15777.8	15237.3	15089.8	14770.7
57.5°	11727.3	11823.2	12588.6	13724.9	15228.1	16318.2	16563.5	16218.6	16076.6	15617.3
60°	10227.7	10380.8	11256.9	12680.9	14626.8	16316.4	17277.3	17183.3	17065.2	16451.0
62.5°	8530.8	8707.8	9550.8	11205.3	13575.4	15853.4	17723.7	17991.2	17930.3	17220.2
65°	6551.6	6673.4	7512.6	9296.2	11939.4	14859.2	17775.4	18542.7	18553.7	17804.9
67.5°	4362.2	4712.7	5441.2	6975.9	9748.1	13234.2	17321.6	18633.0	18740.0	18005.9
70°	2128.5	2589.7	3303.5	4533.8	6975.9	10742.3	16135.6	17891.6	18129.5	17419.4
72.5°	883.5	1032.9	1422.1	2237.4	4004.4	7248.8	13752.5	15881.1	16321.9	15434.7
75°	595.8	645.6	813.4	1147.3	1824.2	3574.6	9917.8	11841.6	12551.8	11657.2
77.5°	459.3	490.6	592.1	802.4	1084.6	1352.0	5308.4	7136.3	7503.4	6946.4
80°	361.5	385.5	442.7	584.7	769.2	723.0	1809.4	3233.4	3445.5	2890.3
82.5°	313.6	322.8	317.3	396.6	510.9	422.4	593.9	1193.4	1317.0	955.4
85°	226.9	252.7	263.8	245.3	271.1	214.0	243.5	422.4	464.8	415.0
87.5°	92.2	136.5	167.8	158.6	99.6	60.9	75.6	123.6	142.0	154.9
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°
3893.7	0°	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7	3893.7
3895.6	2.5°	3897.4	3910.3	3919.5	3930.6	3938.0	3949.1	3971.2	3984.1	3985.9	3995.2
3925.1	5°	3932.5	3950.9	3971.2	4000.7	4033.9	4061.6	4104.0	4133.5	4144.6	4153.8
3997.0	7.5°	4008.1	4033.9	4070.8	4122.4	4170.4	4207.3	4258.9	4294.0	4329.0	4341.9
4111.4	10°	4120.6	4157.5	4211.0	4281.1	4332.7	4380.7	4434.2	4463.7	4498.7	4513.5
4247.9	12.5°	4260.8	4299.5	4369.6	4467.4	4515.3	4548.5	4567.0	4559.6	4567.0	4579.9
4412.0	15°	4421.2	4463.7	4543.0	4648.1	4681.3	4651.8	4611.2	4574.3	4568.8	4572.5
4611.2	17.5°	4611.2	4642.6	4734.8	4823.3	4799.4	4677.6	4589.1	4530.1	4500.6	4491.3
4865.8	20°	4876.8	4876.8	4952.5	5007.8	4847.3	4640.7	4502.4	4406.5	4345.6	4319.8
5212.5	22.5°	5199.6	5170.1	5218.1	5179.3	4838.1	4537.4	4345.6	4179.6	4087.4	4050.5
5697.6	25°	5609.1	5574.1	5561.1	5321.4	4771.7	4373.3	4061.6	3860.5	3779.4	3759.1
6396.7	27.5°	6227.0	6138.5	5970.6	5398.8	4650.0	4115.1	3729.6	3543.3	3497.2	3499.0
7295.0	30°	7049.6	6872.6	6461.3	5411.7	4450.8	3749.8	3390.2	3257.4	3235.2	3244.5
8049.4	32.5°	7811.4	7643.6	6963.0	5352.7	4144.6	3392.0	3085.8	2997.3	2964.1	2975.2
8624.8	35°	8409.0	8362.9	7427.8	5269.7	3768.3	3056.3	2812.8	2737.2	2672.7	2657.9
9167.1	37.5°	8973.4	8955.0	7776.4	5153.5	3395.7	2818.4	2593.4	2493.8	2399.7	2348.0
9766.6	40°	9593.2	9574.7	8005.1	4974.6	3065.5	2611.8	2396.0	2265.0	2148.8	2054.8
10445.3	42.5°	10290.4	10181.6	8113.9	4718.2	2785.2	2436.6	2235.5	2058.5	1905.4	1818.7
11212.7	45°	11052.2	10806.9	8112.1	4391.7	2549.1	2276.1	2064.0	1813.1	1671.1	1590.0
12000.3	47.5°	11860.1	11404.5	8012.5	4030.2	2320.4	2099.0	1798.4	1606.6	1512.5	1462.7
12856.1	50°	12693.8	11963.4	7842.8	3615.2	2086.1	1898.0	1632.4	1501.4	1429.5	1383.4
13704.6	52.5°	13477.7	12470.6	7638.0	3144.9	1848.2	1702.5	1558.6	1457.1	1381.5	1329.9
14527.2	55°	14206.3	12907.7	7348.4	2663.4	1654.5	1571.5	1523.5	1438.7	1352.0	1291.1
15362.8	57.5°	14853.7	13191.8	6848.6	2211.5	1516.2	1481.1	1486.7	1407.3	1307.7	1256.1
16185.4	60°	15392.3	13400.2	6109.0	1792.8	1403.7	1392.6	1429.5	1348.3	1232.1	1173.1
16880.8	62.5°	15715.1	13396.5	5201.5	1468.2	1307.7	1311.4	1353.9	1274.5	1156.5	1101.2
17244.1	65°	15687.4	13068.2	4205.4	1256.1	1215.5	1219.2	1274.5	1193.4	1093.8	1060.6
17061.5	67.5°	15132.2	12267.7	3226.0	1117.8	1114.1	1130.7	1195.2	1138.1	1055.0	1051.4
15973.3	70°	13628.9	10605.8	2324.1	1007.1	1008.9	1032.9	1117.8	1103.0	1034.8	1042.1
13429.7	72.5°	10928.6	8086.2	1560.4	890.9	892.7	931.5	1044.0	1075.3	1014.5	1112.2
9528.6	75°	7278.4	5042.8	1003.4	767.3	769.2	819.0	979.4	1021.8	959.1	1108.5
4958.0	77.5°	3497.2	2266.9	726.7	645.6	645.6	691.7	846.6	914.9	817.1	861.4
1593.6	80°	1208.1	852.2	571.8	520.1	509.1	540.4	713.8	793.1	704.6	649.3
520.1	82.5°	475.9	442.7	459.3	403.9	367.1	387.3	555.2	654.8	518.3	468.5
293.3	85°	273.0	287.7	324.6	267.5	212.1	237.9	407.6	470.3	391.0	344.9
95.9	87.5°	73.8	101.4	149.4	138.3	95.9	101.4	193.7	260.1	225.0	173.4
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>
3893.7
3993.3
4151.9
4343.8
4520.8
4583.6
4585.4
4504.2
4314.3
4045.0
3762.8
3504.5
3275.8
2989.9
2669.0
2349.9
2064.0
1824.2
1586.3
1451.6
1366.8
1307.7
1267.2
1222.9
1147.3
1084.6
1058.7
1056.9
1040.3
1127.0
1117.8
789.4
608.7
466.7
352.3
178.9
0.0

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