

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: McGRAW-EDISON

Report Number: P943297

Luminaire Tested: **GALN-SB7C-950-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-950-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37075 lumens
Efficiency: N/A
Efficacy: 105.8 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

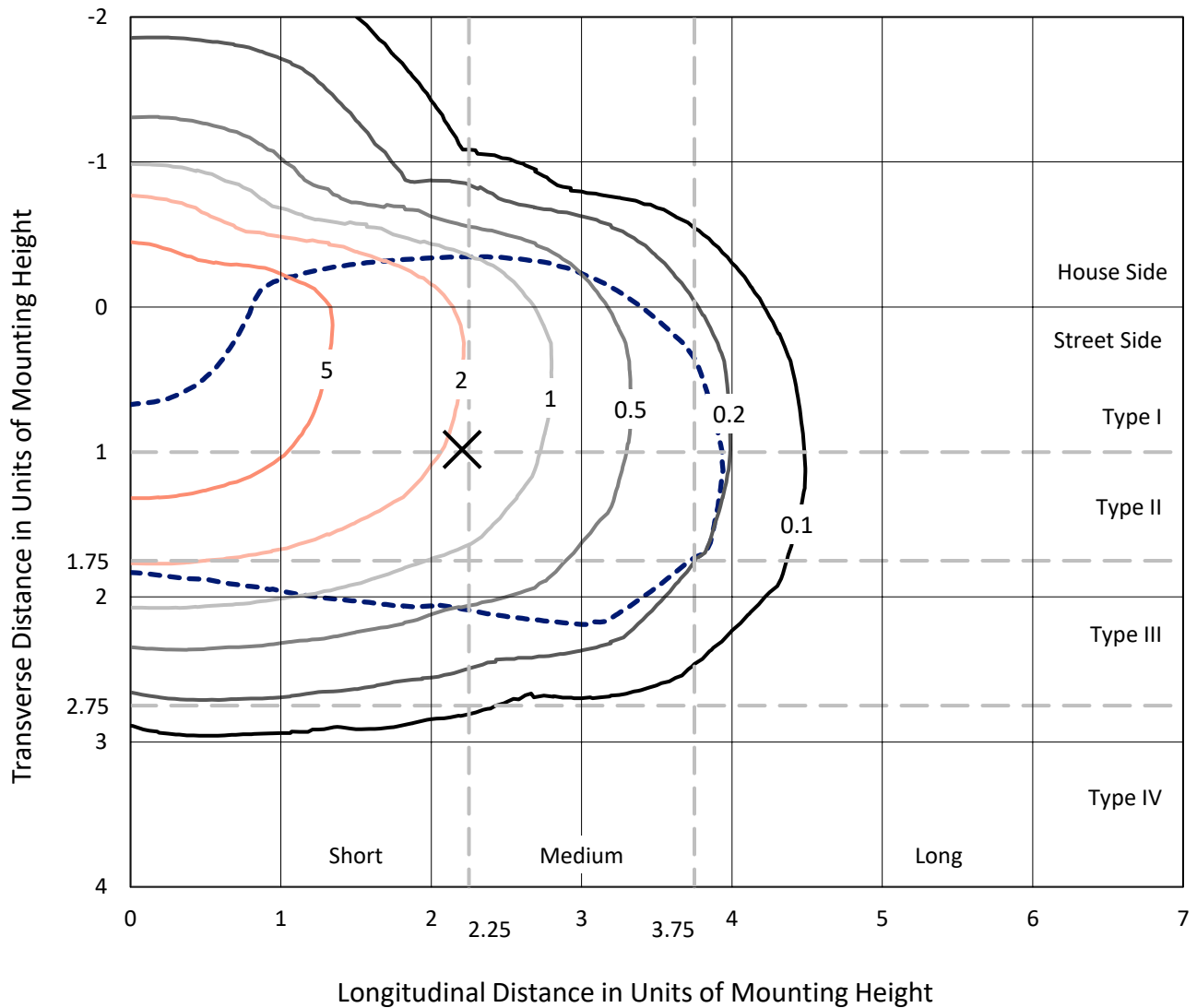
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

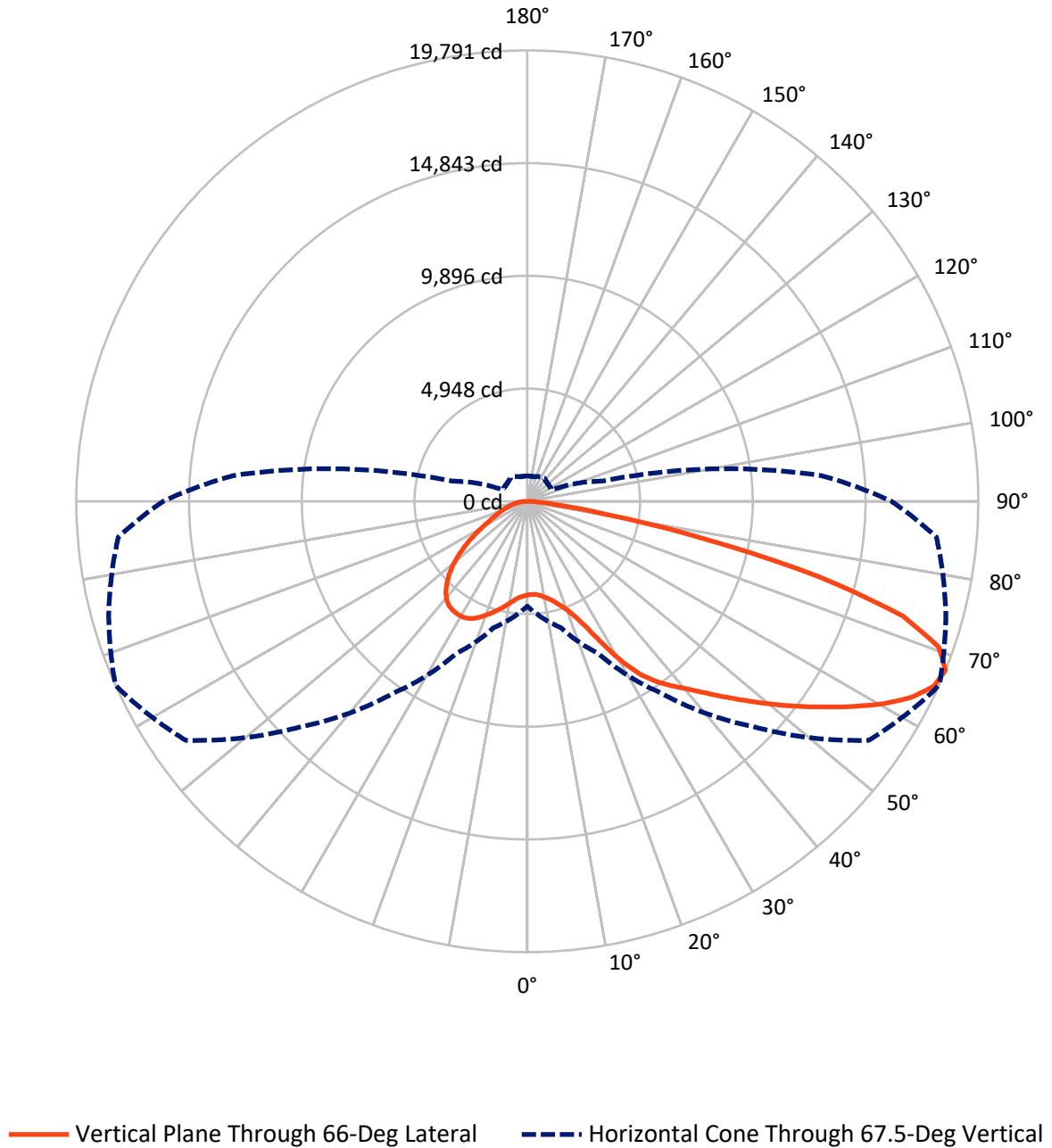
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9218.6	0.0	9218.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	27856.4	0.0	27856.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	37075.0	0.0	37075.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.7	1.1
10°-20°	1347.0	3.6
20°-30°	2596.2	7.0
30°-40°	4552.2	12.3
40°-50°	6767.6	18.3
50°-60°	8578.6	23.1
60°-70°	8393.9	22.6
70°-80°	4004.0	10.8
80°-90°	427.9	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°	37075.0	100.0
0°-180°	37075.0	100.0

Coefficient of Utilization



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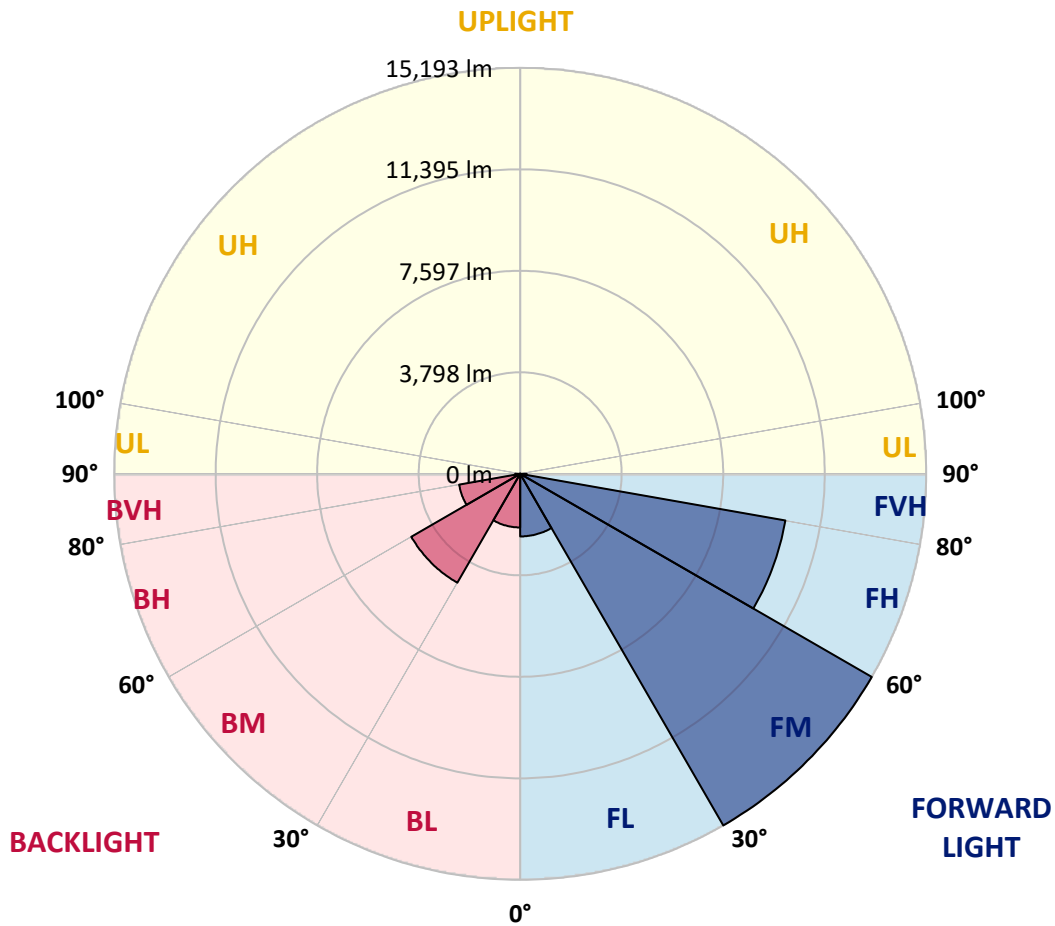
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2342.8	6.3			
FM (30°-60°)	15193.0	41.0			
FH (60°-80°)	10078.0	27.2			G4/12000
FVH (80°-90°)	242.6	0.7			G3/500
BL (0°-30°)	2008.1	5.4	B3/2500		
BM (30°-60°)	4705.3	12.7	B3/5000		
BH (60°-80°)	2319.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	185.3	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°	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1
2.5°	4069.3	4092.6	4086.8	4077.0	4075.1	4079.0	4084.8	4090.7	4088.7	4098.5
5°	4057.6	4080.9	4079.0	4079.0	4086.8	4102.4	4112.1	4121.8	4112.1	4123.8
7.5°	4065.4	4082.9	4090.7	4098.5	4118.0	4147.2	4170.5	4192.0	4180.3	4193.9
10°	4164.7	4178.3	4186.1	4186.1	4199.8	4232.9	4256.3	4295.2	4285.5	4306.9
12.5°	4345.9	4359.5	4359.5	4351.7	4361.4	4382.9	4390.7	4433.5	4416.0	4451.0
15°	4567.9	4595.2	4573.8	4560.1	4564.0	4585.5	4583.5	4616.6	4599.1	4628.3
17.5°	4813.4	4848.4	4813.4	4811.4	4803.6	4827.0	4829.0	4858.2	4827.0	4848.4
20°	5103.6	5152.3	5123.1	5132.8	5115.3	5125.0	5134.8	5177.6	5128.9	5144.5
22.5°	5512.7	5571.1	5539.9	5577.0	5565.3	5557.5	5555.5	5631.5	5555.5	5561.4
25°	6108.7	6178.9	6124.3	6175.0	6175.0	6200.3	6229.5	6326.9	6200.3	6163.3
27.5°	6989.2	7059.3	6952.2	6983.4	6973.6	7036.0	7004.8	7246.3	7110.0	7049.6
30°	8048.9	8173.6	7971.0	7963.2	7953.5	8052.8	8097.6	8257.3	8119.0	8058.6
32.5°	9194.3	9324.8	9083.3	9013.1	8976.1	9036.5	8999.5	9128.1	9032.6	8939.1
35°	10405.9	10534.5	10304.6	10168.3	10020.2	9893.6	9761.1	9794.3	9704.7	9562.5
37.5°	11551.3	11787.0	11543.5	11397.4	11124.7	10877.3	10507.2	10353.3	10269.6	10139.0
40°	12718.1	12852.5	12667.5	12542.8	12246.7	11859.1	11266.9	10941.6	10828.6	10702.0
42.5°	13577.2	13705.7	13606.4	13520.7	13288.9	12838.9	12073.4	11666.2	11502.6	11360.4
45°	14258.9	14354.4	14292.1	14323.2	14223.9	13787.5	12909.0	12443.5	12274.0	12100.6
47.5°	14533.6	14634.9	14734.2	14919.3	15088.8	14767.4	13807.0	13285.0	13105.8	12928.5
50°	14502.4	14605.7	14894.0	15287.5	15813.4	15706.3	14753.7	14181.0	14015.4	13812.9
52.5°	14253.1	14370.0	14740.1	15394.6	16232.2	16409.5	15718.0	15106.3	14950.5	14708.9
55°	13598.6	13668.7	14223.9	15151.1	16331.6	16900.4	16662.7	16092.0	15936.1	15599.1
57.5°	12385.0	12486.3	13294.7	14494.6	16082.2	17233.5	17492.5	17128.3	16978.3	16493.2
60°	10801.3	10963.0	11888.3	13392.1	15447.2	17231.5	18246.4	18147.0	18022.4	17373.7
62.5°	9009.2	9196.2	10086.4	11833.8	14336.9	16742.6	18717.8	19000.2	18936.0	18186.0
65°	6919.1	7047.7	7934.0	9817.6	12609.0	15692.6	18772.3	19582.7	19594.4	18803.5
67.5°	4606.9	4977.0	5746.4	7367.1	10294.9	13976.5	18293.1	19678.1	19791.1	19015.8
70°	2247.9	2734.9	3488.8	4788.0	7367.1	11344.8	17040.6	18895.0	19146.3	18396.4
72.5°	933.1	1090.8	1501.9	2362.9	4229.0	7655.4	14523.9	16771.8	17237.3	16300.4
75°	629.2	681.8	859.0	1211.6	1926.5	3775.1	10474.1	12505.8	13255.8	12311.0
77.5°	485.0	518.2	625.3	847.4	1145.4	1427.8	5606.2	7536.6	7924.2	7336.0
80°	381.8	407.1	467.5	617.5	812.3	763.6	1910.9	3414.7	3638.8	3052.4
82.5°	331.2	340.9	335.0	418.8	539.6	446.1	627.2	1260.3	1390.8	1009.0
85°	239.6	266.9	278.6	259.1	286.3	226.0	257.1	446.1	490.9	438.3
87.5°	97.4	144.1	177.3	167.5	105.2	64.3	79.9	130.5	150.0	163.6
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°
4112.1	0°	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1	4112.1
4114.1	2.5°	4116.0	4129.6	4139.4	4151.1	4158.9	4170.5	4193.9	4207.6	4209.5	4219.2
4145.2	5°	4153.0	4172.5	4193.9	4225.1	4260.2	4289.4	4334.2	4365.3	4377.0	4386.8
4221.2	7.5°	4232.9	4260.2	4299.1	4353.7	4404.3	4443.3	4497.8	4534.8	4571.8	4585.5
4342.0	10°	4351.7	4390.7	4447.2	4521.2	4575.7	4626.4	4682.9	4714.0	4751.0	4766.6
4486.1	12.5°	4499.7	4540.7	4614.7	4717.9	4768.6	4803.6	4823.1	4815.3	4823.1	4836.7
4659.5	15°	4669.2	4714.0	4797.8	4908.8	4943.9	4912.7	4869.9	4830.9	4825.1	4829.0
4869.9	17.5°	4869.9	4903.0	5000.4	5093.9	5068.5	4940.0	4846.5	4784.1	4753.0	4743.2
5138.7	20°	5150.4	5150.4	5230.2	5288.7	5119.2	4901.0	4754.9	4653.6	4589.4	4562.1
5504.9	22.5°	5491.3	5460.1	5510.7	5469.8	5109.5	4791.9	4589.4	4414.0	4316.6	4277.7
6017.2	25°	5923.7	5886.7	5873.0	5619.8	5039.3	4618.6	4289.4	4077.0	3991.3	3969.9
6755.5	27.5°	6576.3	6482.8	6305.5	5701.6	4910.8	4345.9	3938.7	3742.0	3693.3	3695.2
7704.1	30°	7445.0	7258.0	6823.6	5715.3	4700.4	3960.2	3580.3	3440.1	3416.7	3426.4
8500.8	32.5°	8249.5	8072.3	7353.5	5652.9	4377.0	3582.3	3258.9	3165.4	3130.3	3142.0
9108.6	35°	8880.7	8832.0	7844.4	5565.3	3979.6	3227.7	2970.6	2890.7	2822.6	2807.0
9681.3	37.5°	9476.7	9457.3	8212.5	5442.6	3586.2	2976.5	2738.8	2633.6	2534.3	2479.7
10314.4	40°	10131.3	10111.8	8454.1	5253.6	3237.5	2758.3	2530.4	2392.1	2269.4	2170.0
11031.2	42.5°	10867.6	10752.6	8569.0	4982.8	2941.4	2573.2	2360.9	2173.9	2012.2	1920.7
11841.5	45°	11672.1	11413.0	8567.1	4638.1	2692.1	2403.8	2179.7	1914.8	1764.8	1679.1
12673.3	47.5°	12525.3	12044.1	8461.9	4256.3	2450.5	2216.8	1899.2	1696.7	1597.3	1544.7
13577.2	50°	13405.7	12634.4	8282.7	3818.0	2203.1	2004.4	1723.9	1585.6	1509.7	1461.0
14473.2	52.5°	14233.6	13170.0	8066.4	3321.2	1951.8	1798.0	1646.0	1538.9	1459.0	1404.5
15342.0	55°	15003.1	13631.7	7760.6	2812.8	1747.3	1659.6	1609.0	1519.4	1427.8	1363.6
16224.4	57.5°	15686.8	13931.7	7232.7	2335.6	1601.2	1564.2	1570.0	1486.3	1381.1	1326.5
17093.2	60°	16255.6	14151.8	6451.6	1893.4	1482.4	1470.7	1509.7	1423.9	1301.2	1238.9
17827.6	62.5°	16596.5	14147.9	5493.2	1550.6	1381.1	1385.0	1429.8	1346.0	1221.4	1162.9
18211.3	65°	16567.3	13801.2	4441.3	1326.5	1283.7	1287.6	1346.0	1260.3	1155.1	1120.1
18018.5	67.5°	15980.9	12955.8	3407.0	1180.5	1176.6	1194.1	1262.3	1201.9	1114.2	1110.3
16869.2	70°	14393.4	11200.7	2454.4	1063.6	1065.5	1090.8	1180.5	1164.9	1092.8	1100.6
14183.0	72.5°	11541.6	8539.8	1648.0	940.9	942.8	983.7	1102.5	1135.7	1071.4	1174.6
10063.1	75°	7686.6	5325.7	1059.7	810.3	812.3	864.9	1034.4	1079.2	1012.9	1170.7
5236.1	77.5°	3693.3	2394.0	767.5	681.8	681.8	730.5	894.1	966.2	862.9	909.7
1683.0	80°	1275.9	899.9	603.9	549.3	537.6	570.7	753.9	837.6	744.1	685.7
549.3	82.5°	502.6	467.5	485.0	426.6	387.6	409.1	586.3	691.5	547.4	494.8
309.7	85°	288.3	303.9	342.8	282.5	224.0	251.3	430.5	496.7	413.0	364.3
101.3	87.5°	77.9	107.1	157.8	146.1	101.3	107.1	204.5	274.7	237.6	183.1
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>
4112.1
4217.3
4384.8
4587.4
4774.4
4840.6
4842.6
4756.9
4556.2
4271.8
3973.8
3701.1
3459.5
3157.6
2818.7
2481.7
2179.7
1926.5
1675.2
1533.0
1443.4
1381.1
1338.2
1291.5
1211.6
1145.4
1118.1
1116.2
1098.6
1190.2
1180.5
833.7
642.8
492.8
372.1
189.0
0.0

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