

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: P952872

Luminaire Tested: **GALN-SB6C-830-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-830-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

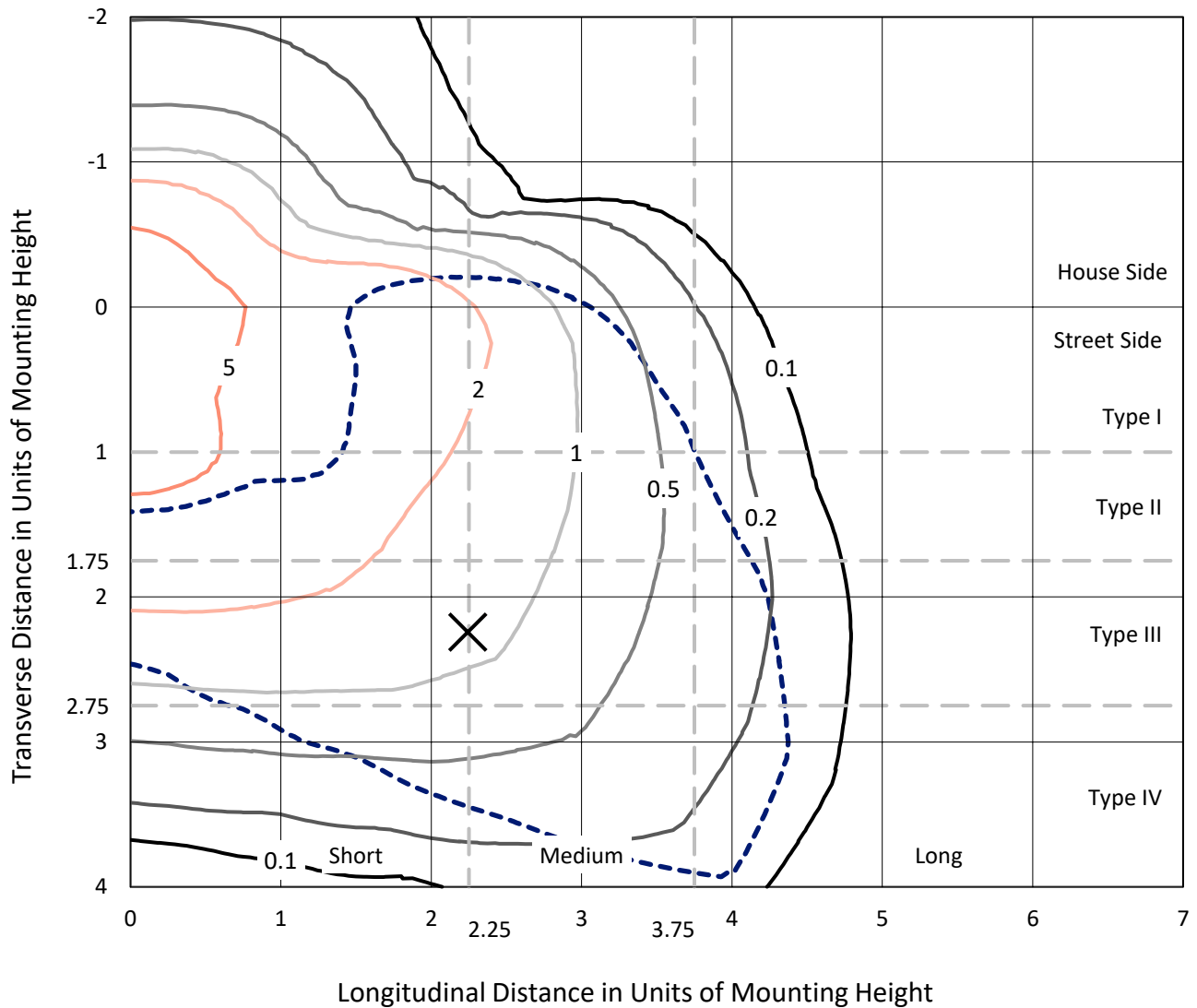
Lumens per Lamp: N/A  
Luminaire Lumens: 40727 lumens  
Efficiency: N/A  
Efficacy: 135.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

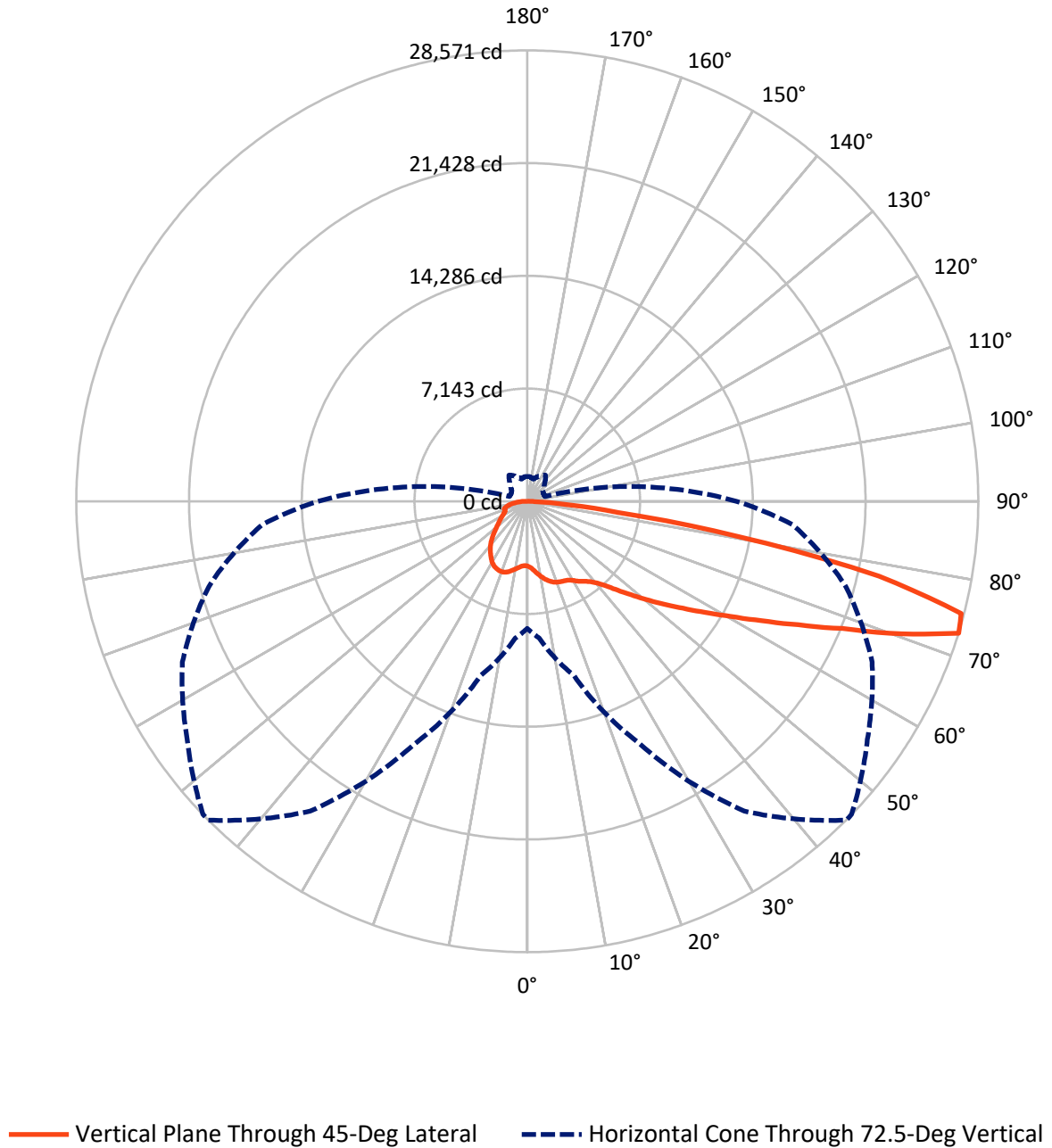
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9207.0	0.0	9207.0
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	31520.0	0.0	31520.0
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	40727.0	0.0	40727.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.2	1.0
10°-20°	1394.2	3.4
20°-30°	2425.4	6.0
30°-40°	3476.9	8.5
40°-50°	4895.6	12.0
50°-60°	7498.7	18.4
60°-70°	10862.9	26.7
70°-80°	8674.7	21.3
80°-90°	1080.4	2.7
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°	40727.0	100.0
0°-180°	40727.0	100.0



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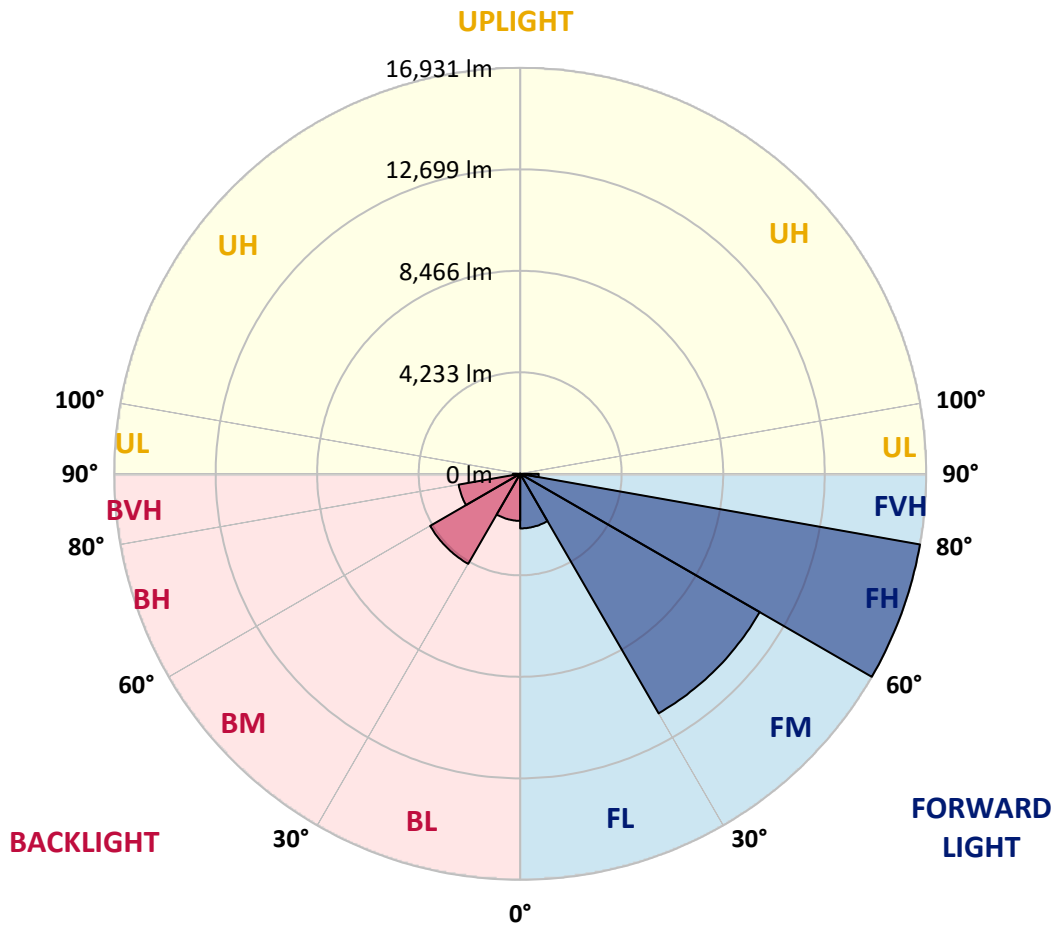
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2277.5	5.6			
FM (30°-60°)	11536.0	28.3			
FH (60°-80°)	16931.4	41.6			G5
FVH (80°-90°)	775.1	1.9			G5
BL (0°-30°)	1960.2	4.8	B3/2500		
BM (30°-60°)	4335.2	10.6	B3/5000		
BH (60°-80°)	2606.3	6.4	B4/5000		G4/5000
BVH (80°-90°)	305.3	0.7			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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6
2.5°	4269.5	4297.4	4271.6	4248.0	4237.3	4209.4	4207.3	4190.1	4179.4	4149.3
5°	4567.7	4604.2	4561.3	4514.1	4471.1	4402.5	4393.9	4344.6	4288.8	4224.4
7.5°	4904.5	4936.7	4887.4	4816.6	4741.5	4627.8	4625.6	4535.5	4447.5	4338.1
10°	5198.5	5241.4	5174.9	5078.3	4983.9	4855.2	4840.2	4737.2	4625.6	4484.0
12.5°	5458.1	5488.1	5423.7	5305.7	5196.3	5067.6	5048.3	4934.6	4810.1	4649.2
15°	5664.0	5702.6	5616.8	5490.2	5374.4	5247.8	5230.6	5127.7	5003.2	4833.7
17.5°	5799.2	5831.4	5743.4	5601.8	5490.2	5385.1	5372.2	5286.4	5177.0	5005.4
20°	5850.7	5885.0	5792.8	5649.0	5546.0	5464.5	5458.1	5395.8	5320.7	5164.1
22.5°	5902.2	5934.4	5814.2	5664.0	5573.9	5522.4	5520.3	5479.5	5449.5	5320.7
25°	6110.3	6118.9	5958.0	5741.3	5612.5	5567.5	5565.3	5563.2	5576.1	5475.2
27.5°	6290.5	6288.4	6151.0	5947.2	5747.7	5653.3	5651.1	5672.6	5713.4	5629.7
30°	6554.4	6530.8	6367.7	6155.3	5973.0	5827.1	5814.2	5794.9	5827.1	5760.6
32.5°	7114.4	7039.3	6775.4	6397.8	6159.6	6048.1	6030.9	5910.8	5923.6	5882.9
35°	7916.8	7818.1	7466.2	6856.9	6391.3	6232.6	6224.0	6071.7	6045.9	6009.4
37.5°	8871.5	8749.2	8339.4	7522.0	6790.4	6447.1	6434.2	6296.9	6191.8	6153.2
40°	9830.5	9676.0	9337.1	8333.0	7378.2	6805.4	6764.6	6556.5	6436.4	6372.0
42.5°	10761.6	10632.9	10343.3	9242.7	8103.4	7328.9	7238.8	6882.6	6792.5	6732.5
45°	11585.5	11469.6	11257.2	10214.5	8953.0	8041.2	7953.2	7371.8	7343.9	7343.9
47.5°	12254.9	12229.1	12003.9	11205.8	9954.9	8852.2	8699.9	8051.9	8127.0	8242.9
50°	12997.2	12926.4	12686.1	12181.9	11132.8	9781.2	9656.7	8886.5	9167.6	9485.1
52.5°	13679.5	13718.1	13449.9	13198.9	12463.0	10817.4	10598.6	9871.3	10478.4	11004.1
55°	14381.0	14383.2	14308.1	14273.8	13857.5	11963.1	11722.8	11055.6	12021.0	12673.2
57.5°	15039.7	15044.0	15155.6	15458.1	15475.2	13284.7	13012.2	12510.2	13735.3	14400.3
60°	15627.6	15657.6	15962.2	16670.2	16897.7	14799.4	14541.9	14228.7	15507.4	16176.8
62.5°	15824.9	15934.4	16612.3	17618.5	18302.9	16657.4	16404.2	16217.6	17369.7	17991.9
65°	15490.2	15741.3	17052.1	18401.6	19749.0	18865.1	18614.0	18410.2	19304.9	19890.6
67.5°	14668.5	14992.5	17026.4	19223.3	21504.0	21521.1	21287.3	20808.8	21379.5	21604.8
70°	12503.8	12988.6	15526.7	19530.1	23518.6	25153.4	24928.1	23696.6	23449.9	22360.0
72.5°	8056.2	8708.4	11433.2	17004.9	23967.0	28571.1	28558.3	26303.4	24104.3	20892.5
75°	2939.3	3338.3	5312.2	10673.7	20118.0	28397.3	28481.0	25857.1	22003.9	16138.2
77.5°	1070.6	1171.4	1733.5	4102.1	12372.9	22784.8	22958.6	20671.5	15661.9	8099.1
80°	562.1	617.9	888.2	1591.9	5301.4	13531.4	13803.9	12284.9	7361.1	2439.4
82.5°	311.1	336.8	497.7	864.6	2387.9	5786.3	5949.4	4853.0	2589.6	1034.1
85°	167.3	178.1	233.9	472.0	1167.1	2006.0	2051.1	1450.3	1032.0	607.2
87.5°	49.3	60.1	77.2	150.2	457.0	450.5	461.3	287.5	407.6	306.8
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°
4108.6	0°	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6	4108.6
4140.7	2.5°	4127.9	4121.4	4097.8	4087.1	4074.2	4072.1	4082.8	4085.0	4087.1	4089.3
4187.9	5°	4166.5	4145.0	4123.6	4110.7	4115.0	4117.1	4138.6	4153.6	4164.3	4172.9
4275.9	7.5°	4241.6	4224.4	4187.9	4185.8	4192.2	4211.5	4239.4	4273.8	4293.1	4308.1
4389.6	10°	4353.1	4321.0	4278.1	4284.5	4297.4	4325.3	4383.2	4411.1	4443.3	4471.1
4529.1	12.5°	4466.9	4439.0	4389.6	4393.9	4415.4	4464.7	4520.5	4554.8	4576.3	4597.7
4679.3	15°	4614.9	4565.5	4511.9	4511.9	4550.5	4604.2	4629.9	4657.8	4670.7	4694.3
4840.2	17.5°	4767.2	4702.9	4632.1	4627.8	4675.0	4700.7	4715.7	4720.0	4724.3	4750.1
4996.8	20°	4919.5	4848.7	4747.9	4739.3	4750.1	4745.8	4743.6	4739.3	4745.8	4777.9
5157.7	22.5°	5069.7	4988.2	4848.7	4810.1	4780.1	4739.3	4737.2	4735.0	4739.3	4771.5
5331.5	25°	5245.7	5147.0	4960.3	4844.5	4743.6	4687.8	4694.3	4696.4	4700.7	4726.5
5511.7	27.5°	5436.6	5327.2	5063.3	4833.7	4651.4	4612.7	4602.0	4608.5	4623.5	4664.2
5691.9	30°	5627.5	5498.8	5157.7	4790.8	4535.5	4481.9	4447.5	4462.6	4509.8	4550.5
5848.5	32.5°	5801.3	5672.6	5232.8	4696.4	4387.5	4303.8	4258.7	4278.1	4325.3	4340.3
6022.3	35°	6005.2	5859.3	5265.0	4546.2	4226.6	4097.8	4037.8	4009.9	4033.5	4018.5
6226.1	37.5°	6232.6	6080.2	5260.7	4348.9	4037.8	3889.7	3806.1	3700.9	3651.6	3600.1
6526.5	40°	6569.4	6350.6	5209.2	4110.7	3803.9	3668.7	3518.6	3340.5	3228.9	3128.1
7011.4	42.5°	7028.5	6726.0	5114.8	3849.0	3540.0	3413.4	3209.6	3001.5	2825.6	2658.2
7747.3	45°	7712.9	7217.3	4996.8	3570.1	3254.7	3130.2	2909.2	2675.4	2475.9	2261.3
8792.1	47.5°	8699.9	7878.1	4885.2	3252.5	2954.3	2840.6	2641.1	2424.4	2188.4	1980.3
10302.5	50°	10055.8	8826.4	4782.2	2943.6	2658.2	2572.4	2413.6	2192.7	1954.5	1787.2
12072.5	52.5°	11780.7	10115.9	4739.3	2645.4	2381.5	2349.3	2222.7	2016.7	1791.5	1649.9
14136.5	55°	13761.0	11658.4	4739.3	2360.0	2139.0	2149.8	2061.8	1870.8	1675.6	1549.0
16264.8	57.5°	15782.0	13220.3	4653.5	2096.1	1933.1	1978.1	1922.3	1755.0	1579.1	1448.2
18502.5	60°	17644.3	14529.1	4305.9	1855.8	1750.7	1821.5	1785.0	1641.3	1426.7	1317.3
20373.3	62.5°	19075.3	15267.1	3636.6	1664.9	1600.5	1682.0	1662.7	1491.1	1398.8	1353.8
21909.5	65°	19791.9	15147.0	2780.5	1495.4	1473.9	1600.5	1559.8	1553.3	1480.4	1428.9
22409.4	67.5°	19352.1	14112.9	2016.7	1371.0	1401.0	1525.4	1682.0	1707.8	1572.6	1471.8
21001.9	70°	17423.3	12242.0	1501.8	1253.0	1308.7	1527.6	1918.0	1787.2	1542.6	1424.6
16844.0	72.5°	13254.7	9128.9	1165.0	1128.5	1188.6	1538.3	2023.2	1750.7	1456.8	1574.8
10493.5	75°	7579.9	5011.8	935.4	976.2	1038.4	1437.5	1969.5	1656.3	1390.3	1446.0
4157.9	77.5°	2889.9	1926.6	772.4	826.0	834.6	1255.1	1883.7	1649.9	1323.8	1291.6
1246.5	80°	1001.9	753.1	639.3	656.5	645.8	1115.6	1806.5	1435.3	1083.5	969.7
514.9	82.5°	409.8	375.5	506.3	484.9	459.1	866.8	1458.9	1173.6	886.1	783.1
248.9	85°	178.1	238.1	334.7	293.9	266.0	600.7	1169.3	993.3	748.8	645.8
81.5	87.5°	36.5	90.1	141.6	133.0	137.3	401.2	830.3	705.9	529.9	396.9
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>
4108.6
4097.8
4177.2
4312.4
4464.7
4606.3
4702.9
4758.6
4790.8
4793.0
4760.8
4705.0
4595.6
4393.9
4065.7
3632.3
3134.5
2643.2
2235.6
1956.7
1776.4
1639.1
1536.2
1426.7
1300.2
1338.8
1411.7
1454.6
1405.3
1561.9
1446.0
1177.9
937.6
774.5
643.6
311.1
0.0

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