

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: P954443

Luminaire Tested: **GALN-SB7C-940-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-940-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

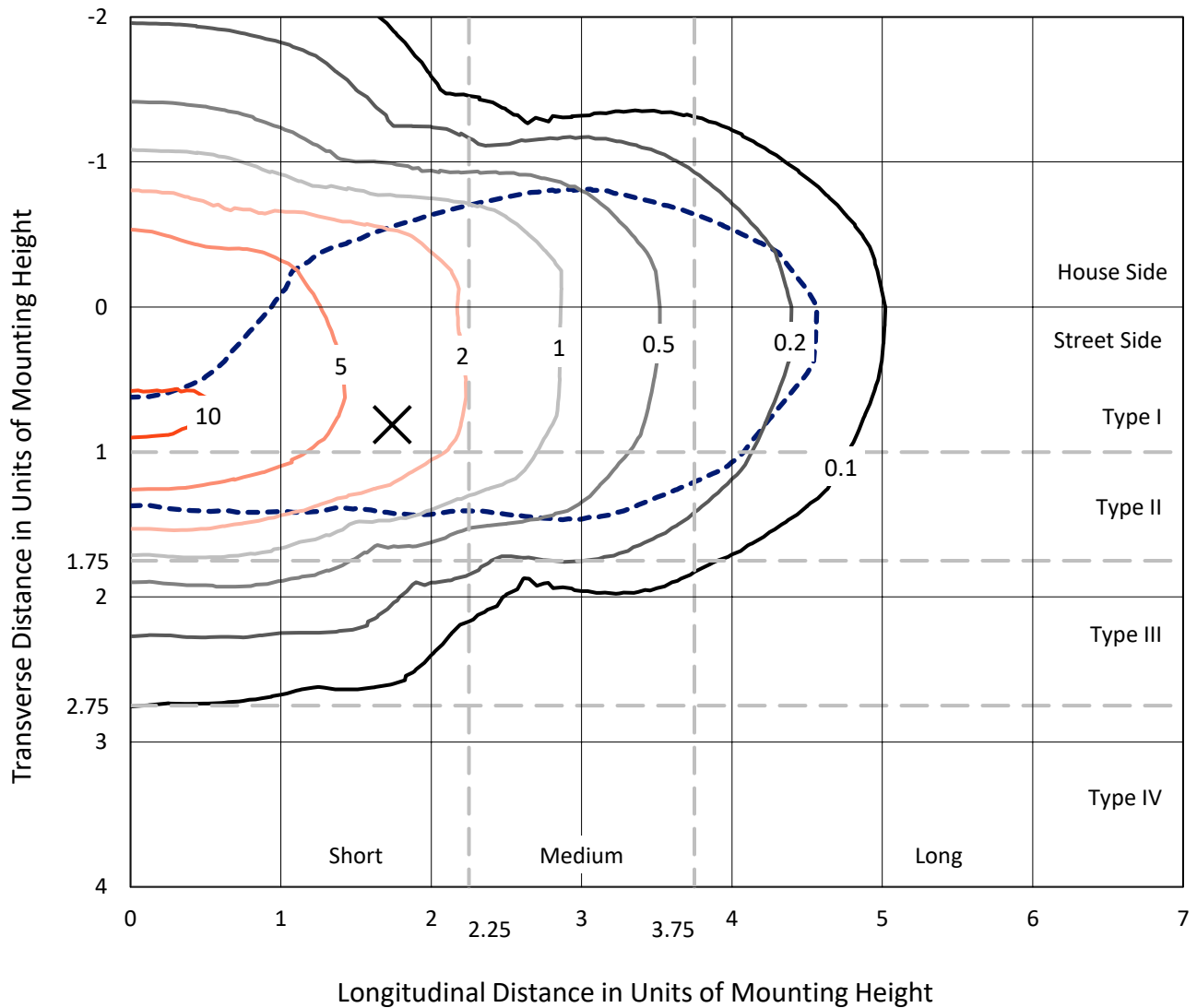
Lumens per Lamp: N/A  
Luminaire Lumens: 39111 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

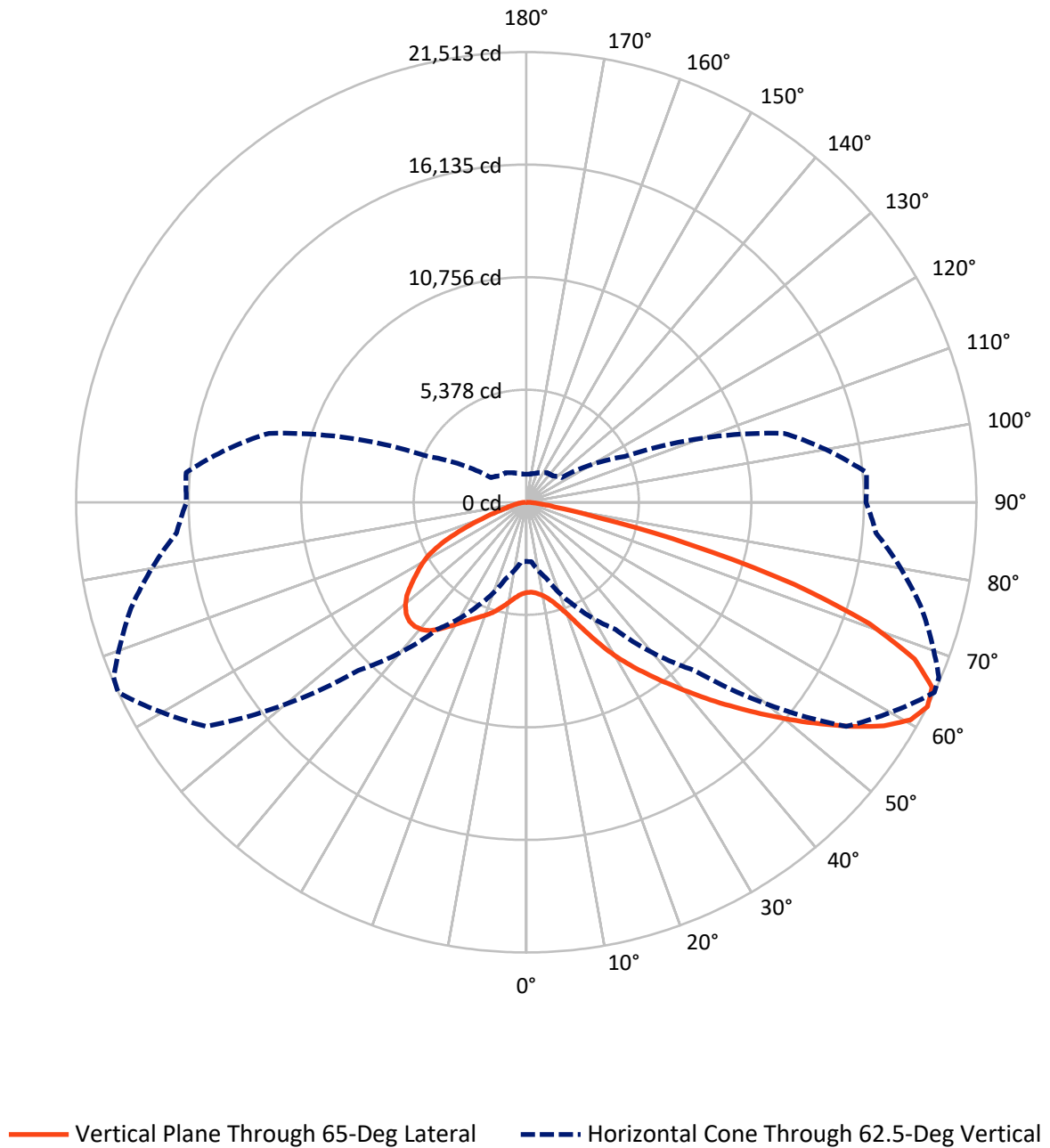
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type II - 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	12341.7	0.0	12341.7
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	26769.3	0.0	26769.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	39111.0	0.0	39111.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.7	1.1
10°-20°	1457.1	3.7
20°-30°	2954.5	7.6
30°-40°	5112.6	13.1
40°-50°	7737.0	19.8
50°-60°	9071.1	23.2
60°-70°	7605.0	19.4
70°-80°	4198.6	10.7
80°-90°	545.4	1.4
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°	39111.0	100.0
0°-180°	39111.0	100.0



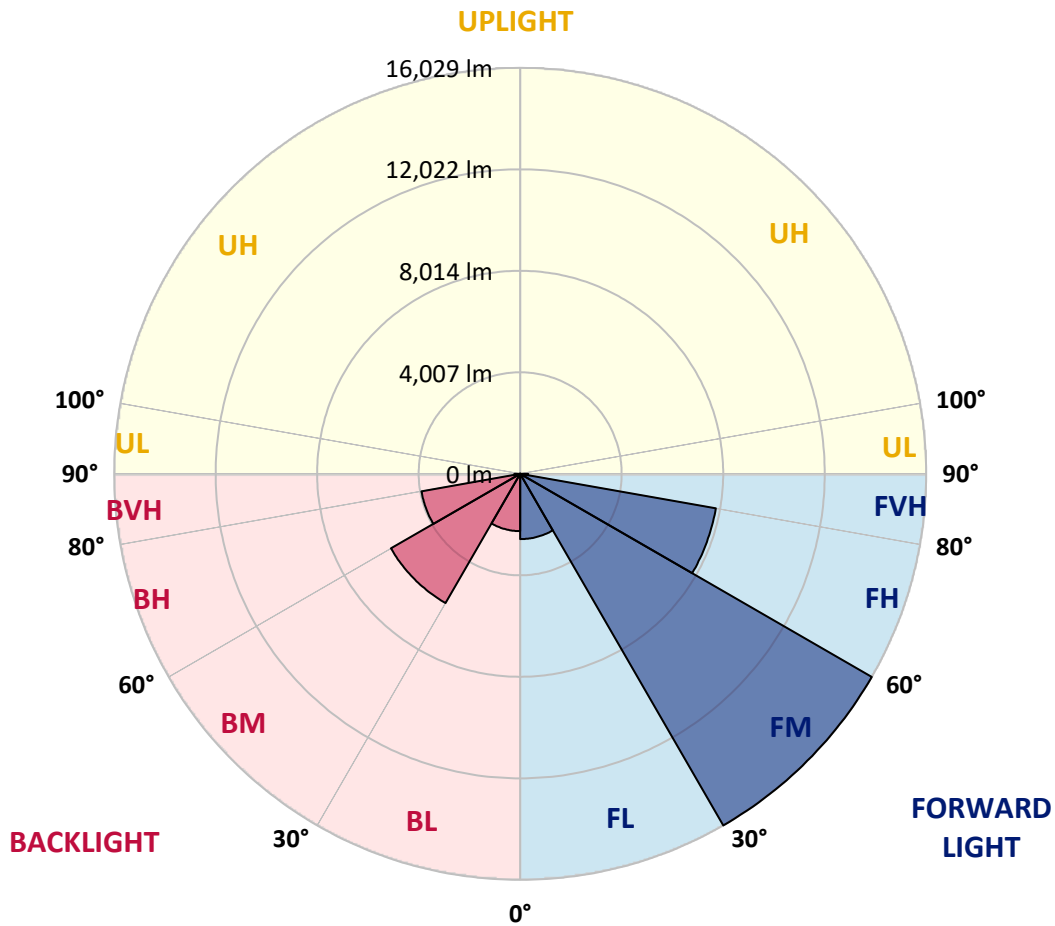
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2577.9	6.6			
FM (30°-60°)	16029.0	41.0			
FH (60°-80°)	7844.5	20.1			G4/12000
FVH (80°-90°)	317.9	0.8			G3/500
BL (0°-30°)	2263.3	5.8	B3/2500		
BM (30°-60°)	5891.8	15.1	B4/8500		
BH (60°-80°)	3959.1	10.1	B4/5000		G4/5000
BVH (80°-90°)	227.5	0.6			G3/500
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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9
2.5°	4281.5	4269.3	4279.4	4279.4	4283.5	4281.5	4295.7	4299.7	4305.8	4318.0
5°	4238.8	4236.8	4255.1	4271.3	4287.5	4301.7	4320.0	4346.4	4350.4	4364.6
7.5°	4224.6	4212.5	4240.9	4261.2	4299.7	4334.2	4382.9	4427.6	4445.8	4451.9
10°	4334.2	4313.9	4340.3	4352.5	4384.9	4419.4	4476.3	4547.3	4567.6	4591.9
12.5°	4520.9	4498.6	4537.1	4555.4	4585.8	4616.3	4654.8	4723.8	4733.9	4778.6
15°	4776.6	4750.2	4774.5	4796.9	4847.6	4876.0	4914.5	4981.5	4981.5	5016.0
17.5°	5123.5	5089.0	5107.3	5115.4	5147.9	5190.5	5255.4	5314.3	5344.7	5332.5
20°	5641.0	5598.4	5598.4	5557.8	5545.6	5580.1	5665.3	5746.5	5778.9	5716.0
22.5°	6418.1	6357.3	6322.8	6184.8	6130.0	6134.0	6219.3	6318.7	6345.1	6233.5
25°	7406.3	7310.9	7264.3	7061.4	6937.6	6830.0	6897.0	7024.8	7061.4	6923.4
27.5°	8394.5	8400.6	8355.9	8112.4	7907.5	7710.7	7676.2	7810.1	7848.7	7692.4
30°	9780.4	9636.3	9551.1	9258.9	8966.7	8690.7	8548.7	8603.5	8613.6	8427.0
32.5°	10975.5	10939.0	10756.4	10500.7	10125.3	9693.1	9455.7	9368.5	9352.2	9086.4
35°	12337.1	12316.8	12124.0	11819.7	11413.8	10813.2	10385.1	10135.5	10115.2	9741.8
37.5°	13720.9	13720.9	13532.2	13199.5	12779.4	12028.7	11377.3	10981.6	10916.7	10429.7
40°	14824.8	14757.8	14792.3	14652.3	14171.4	13374.0	12479.1	11904.9	11817.6	11233.2
42.5°	15451.8	15429.5	15636.4	15792.7	15595.9	14958.7	13692.5	12905.2	12783.5	12117.9
45°	15591.8	15567.5	15936.8	16509.0	16784.9	16523.2	15011.5	13958.4	13810.2	13043.2
47.5°	15269.2	15220.5	15762.2	16665.2	17549.9	18010.5	16440.0	15100.8	14885.7	13944.2
50°	14299.2	14252.6	15072.3	16271.6	17807.6	19021.0	17990.2	16312.1	15983.4	14910.0
52.5°	12191.0	12213.3	13497.7	15145.4	17468.7	19650.1	19325.4	17588.5	17192.8	15898.2
55°	9496.3	9545.0	11123.7	12937.7	16113.3	19554.7	20236.5	18903.3	18509.7	16827.5
57.5°	6799.6	7014.7	8493.9	10289.7	13509.9	18043.0	20435.3	20153.3	19771.8	17842.1
60°	4407.3	4445.8	5967.7	7777.6	10287.7	15356.4	20031.5	21100.9	20802.6	18877.0
62.5°	2824.5	2850.9	3778.2	5440.1	7404.3	11361.1	18672.0	21512.8	21421.5	19560.8
65°	2075.8	2055.5	2538.4	3595.6	4987.6	7006.6	16032.1	21313.9	21494.5	19988.9
67.5°	1732.9	1704.5	1941.9	2489.7	3674.7	3979.1	11862.3	20021.4	20682.9	19940.2
70°	1578.7	1554.3	1698.4	1848.5	2867.2	2664.2	5979.8	17405.8	18424.5	19386.3
72.5°	1337.2	1294.6	1491.4	1641.6	2230.0	2043.3	2471.5	13369.9	14611.7	17610.8
75°	1036.9	1008.5	1176.9	1444.7	1676.1	1594.9	1562.4	8118.5	9474.0	13619.5
77.5°	821.8	783.2	937.5	1126.2	1507.6	1203.3	1138.3	3496.2	4839.5	8694.8
80°	618.9	584.4	712.2	890.8	1158.6	907.0	736.6	1426.5	1824.2	4405.2
82.5°	440.3	409.9	497.1	653.4	779.2	813.7	452.5	799.5	898.9	1698.4
85°	282.0	263.8	332.8	409.9	495.1	523.5	276.0	418.0	458.6	700.0
87.5°	154.2	125.8	178.6	190.7	229.3	209.0	131.9	152.2	164.4	253.6
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°
4309.9	0°	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9	4309.9
4318.0	2.5°	4326.1	4332.2	4352.5	4358.6	4372.8	4391.0	4403.2	4415.4	4415.4	4427.6
4382.9	5°	4384.9	4399.1	4441.8	4464.1	4500.6	4537.1	4559.4	4585.8	4602.1	4610.2
4486.4	7.5°	4498.6	4520.9	4581.8	4620.3	4683.2	4733.9	4768.4	4805.0	4813.1	4835.4
4630.5	10°	4652.8	4679.2	4748.2	4821.2	4896.3	4959.2	4991.6	5018.0	5028.2	5032.2
4815.1	12.5°	4829.3	4867.9	4957.2	5046.4	5125.6	5180.4	5188.5	5182.4	5154.0	5129.6
5042.4	15°	5046.4	5080.9	5180.4	5277.8	5354.9	5365.0	5314.3	5281.8	5247.3	5241.2
5296.0	17.5°	5306.2	5324.4	5415.7	5511.1	5517.2	5482.7	5407.6	5377.2	5344.7	5322.4
5626.8	20°	5608.5	5602.4	5667.3	5707.9	5665.3	5559.8	5446.2	5395.4	5363.0	5336.6
6032.6	22.5°	5969.7	5923.0	5914.9	5904.8	5791.1	5569.9	5415.7	5350.8	5300.1	5263.6
6598.7	25°	6495.2	6316.7	6192.9	6123.9	5868.2	5515.2	5318.3	5174.3	5078.9	5016.0
7290.6	27.5°	7152.7	6852.4	6539.9	6371.5	5868.2	5403.6	5083.0	4849.6	4693.4	4628.4
7960.3	30°	7779.7	7465.2	7004.5	6669.7	5854.0	5220.9	4703.5	4378.9	4196.2	4131.3
8532.5	32.5°	8315.4	7972.4	7497.6	6996.4	5819.5	4924.7	4232.8	3873.6	3697.1	3620.0
9098.6	35°	8812.5	8447.2	7992.7	7355.6	5728.2	4490.5	3715.3	3441.4	3244.6	3120.8
9674.9	37.5°	9321.8	8887.6	8461.5	7680.2	5563.9	3983.2	3317.6	3084.3	2853.0	2686.6
10287.7	40°	9875.8	9356.3	8962.6	7873.0	5294.0	3500.2	3009.2	2796.1	2550.6	2374.1
10993.8	42.5°	10523.0	9918.4	9520.7	7972.4	4924.7	3157.3	2808.3	2599.3	2368.0	2223.9
11750.7	45°	11198.7	10537.2	10030.0	7970.4	4512.8	2997.0	2743.4	2536.4	2280.7	2130.6
12527.8	47.5°	11906.9	11184.5	10470.3	7840.5	4155.6	3019.3	2706.9	2400.5	2118.4	1972.3
13313.1	50°	12617.1	11892.7	10896.4	7597.0	4003.5	2970.6	2570.9	2209.7	1876.9	1745.0
14049.7	52.5°	13321.2	12645.5	11263.7	7250.1	3849.3	2790.0	2396.4	1962.2	1777.5	1686.2
14810.6	55°	14029.4	13390.2	11663.4	6744.8	3463.7	2579.0	2104.2	1868.8	1698.4	1615.2
15555.3	57.5°	14739.6	14250.5	12042.9	6239.6	2978.8	2319.3	1943.9	1755.2	1619.2	1548.2
16178.2	60°	15478.2	15234.7	12434.5	5774.9	2499.9	1986.5	1826.2	1663.9	1525.9	1446.8
16776.8	62.5°	16239.1	16318.2	12740.9	5176.3	2059.6	1783.6	1720.7	1554.3	1420.4	1345.3
17271.9	65°	17006.1	17363.2	12941.8	4346.4	1670.0	1590.8	1607.1	1434.6	1298.6	1233.7
17635.1	67.5°	17584.4	18116.0	12884.9	3289.2	1369.7	1408.2	1465.0	1308.8	1181.0	1130.2
17576.3	70°	17649.3	18026.8	12324.9	2252.3	1146.5	1229.7	1306.8	1185.0	1053.1	1016.6
16748.4	72.5°	16784.9	16809.3	10764.5	1471.1	969.9	1079.5	1140.4	1059.2	931.4	894.8
14652.3	75°	14518.4	13901.5	7903.4	969.9	811.7	927.3	984.1	927.3	803.5	811.7
10963.4	77.5°	10999.9	9845.3	4798.9	689.9	677.7	779.2	856.3	815.7	710.2	797.4
5513.1	80°	5667.3	5326.5	2140.7	515.4	535.7	622.9	704.1	651.3	562.1	535.7
1231.7	82.5°	1298.6	1509.7	844.1	369.3	387.6	448.4	537.7	489.0	403.8	340.9
513.4	85°	454.5	497.1	373.4	231.3	227.3	280.0	365.2	326.7	273.9	219.1
217.1	87.5°	144.1	188.7	140.0	93.3	97.4	125.8	168.4	154.2	127.8	83.2
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>
4309.9
4427.6
4614.2
4827.3
5022.1
5129.6
5241.2
5324.4
5338.6
5275.7
5040.3
4660.9
4169.9
3658.5
3161.4
2731.2
2408.6
2252.3
2154.9
1992.6
1753.2
1686.2
1607.1
1536.0
1440.7
1343.3
1231.7
1132.3
1018.6
892.8
783.2
702.1
489.0
336.8
231.3
87.3
0.0

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