

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: P942747

Luminaire Tested: **GALN-SB6D-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942747  
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-SB6D-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

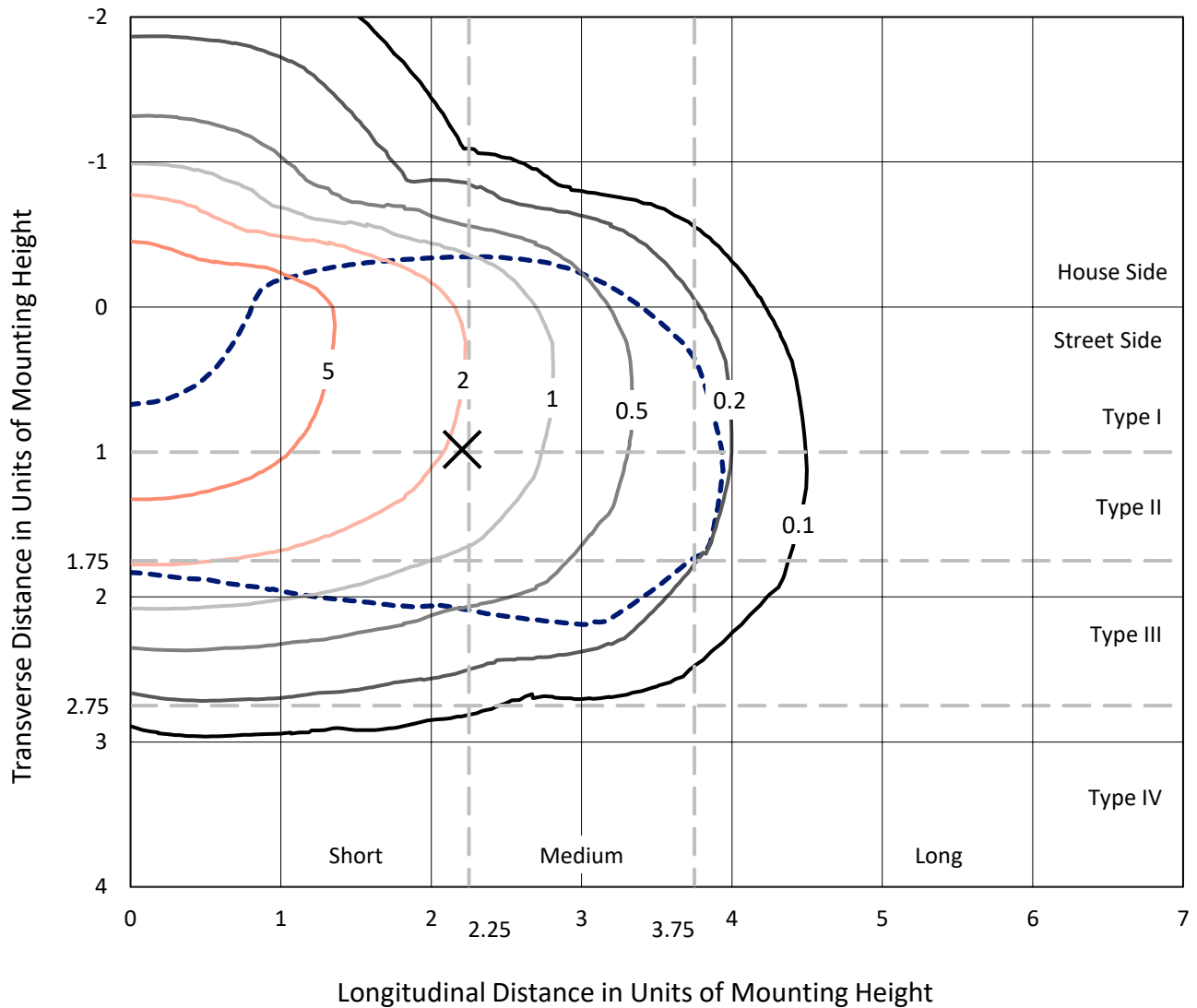
Lumens per Lamp: N/A  
Luminaire Lumens: 37587 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

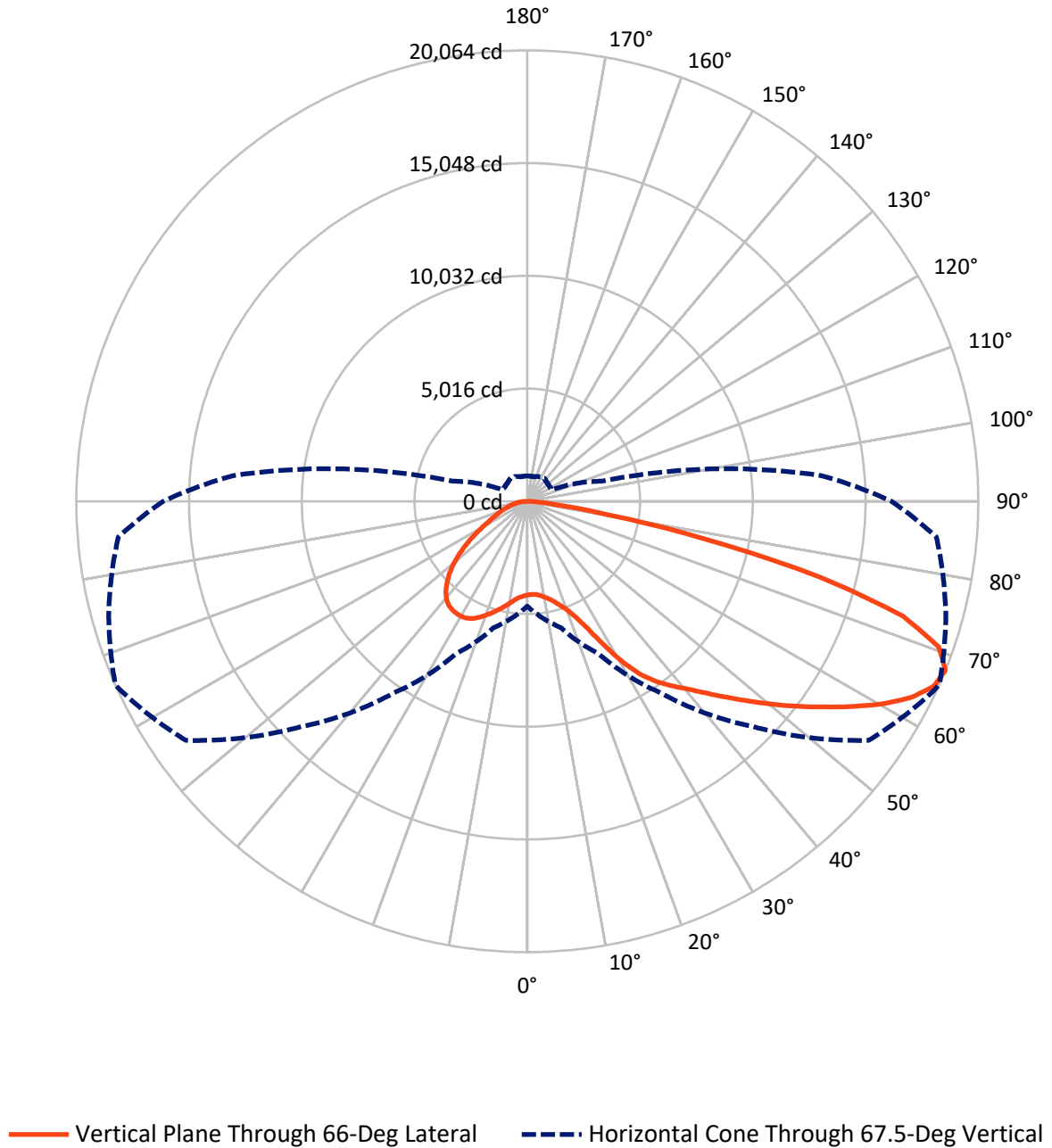
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type III - 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	9345.9	0.0	9345.9
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	28241.1	0.0	28241.1
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	37587.0	0.0	37587.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	413.3	1.1
10°-20°	1365.6	3.6
20°-30°	2632.1	7.0
30°-40°	4615.0	12.3
40°-50°	6861.0	18.3
50°-60°	8697.0	23.1
60°-70°	8509.8	22.6
70°-80°	4059.3	10.8
80°-90°	433.8	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°	37587.0	100.0
0°-180°	37587.0	100.0

**Coefficient of Utilization**



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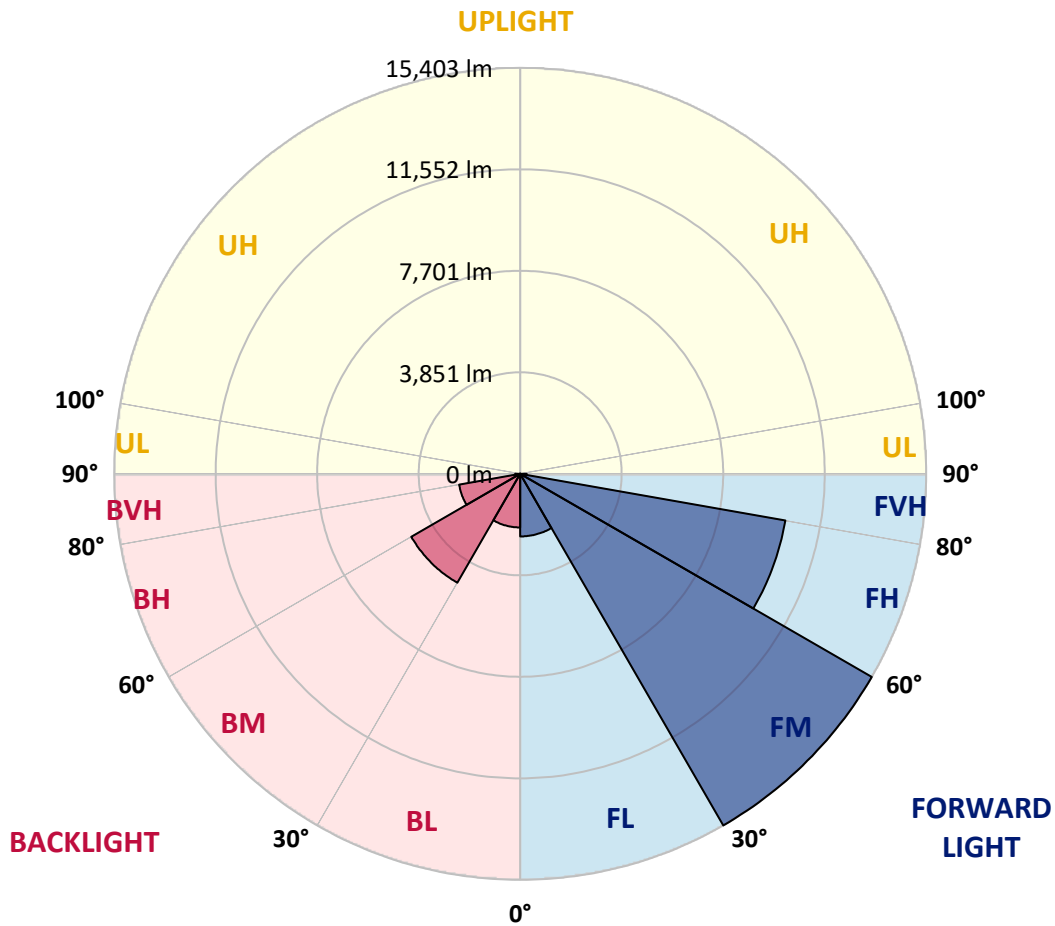
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2375.1	6.3			
FM (30°-60°)	15402.8	41.0			
FH (60°-80°)	10217.2	27.2			G4/12000
FVH (80°-90°)	246.0	0.7			G3/500
BL (0°-30°)	2035.9	5.4	B3/2500		
BM (30°-60°)	4770.3	12.7	B3/5000		
BH (60°-80°)	2351.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	187.9	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°	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9
2.5°	4125.4	4149.1	4143.2	4133.3	4131.4	4135.3	4141.2	4147.2	4145.2	4155.1
5°	4113.6	4137.3	4135.3	4135.3	4143.2	4159.0	4168.9	4178.8	4168.9	4180.7
7.5°	4121.5	4139.3	4147.2	4155.1	4174.8	4204.4	4228.1	4249.9	4238.0	4251.8
10°	4222.2	4236.0	4243.9	4243.9	4257.8	4291.3	4315.0	4354.5	4344.7	4366.4
12.5°	4405.9	4419.7	4419.7	4411.8	4421.7	4443.4	4451.3	4494.7	4477.0	4512.5
15°	4631.0	4658.7	4636.9	4623.1	4627.1	4648.8	4646.8	4680.4	4662.6	4692.2
17.5°	4879.8	4915.4	4879.8	4877.9	4870.0	4893.7	4895.6	4925.3	4893.7	4915.4
20°	5174.1	5223.5	5193.8	5203.7	5185.9	5195.8	5205.7	5249.1	5199.8	5215.6
22.5°	5588.8	5648.1	5616.5	5654.0	5642.1	5634.2	5632.3	5709.3	5632.3	5638.2
25°	6193.1	6264.2	6208.9	6260.3	6260.3	6285.9	6315.6	6414.3	6285.9	6248.4
27.5°	7085.7	7156.8	7048.2	7079.8	7069.9	7133.1	7101.5	7346.4	7208.2	7147.0
30°	8160.1	8286.4	8081.1	8073.2	8063.3	8164.0	8209.4	8371.4	8231.1	8169.9
32.5°	9321.3	9453.6	9208.7	9137.6	9100.1	9161.3	9123.8	9254.1	9157.4	9062.6
35°	10549.6	10680.0	10446.9	10308.7	10158.6	10030.2	9895.9	9929.5	9838.7	9694.5
37.5°	11710.8	11949.8	11702.9	11554.8	11278.3	11027.5	10652.3	10496.3	10411.4	10279.1
40°	12893.8	13030.0	12842.4	12716.0	12415.8	12022.8	11422.5	11092.7	10978.2	10849.8
42.5°	13764.7	13895.0	13794.3	13707.4	13472.4	13016.2	12240.1	11827.3	11661.5	11517.3
45°	14455.9	14552.6	14489.4	14521.0	14420.3	13977.9	13087.3	12615.3	12443.5	12267.7
47.5°	14734.3	14837.0	14937.7	15125.3	15297.1	14971.3	13997.7	13468.4	13286.7	13107.0
50°	14702.7	14807.4	15099.7	15498.6	16031.8	15923.2	14957.5	14376.9	14209.0	14003.6
52.5°	14449.9	14568.4	14943.6	15607.2	16456.4	16636.1	15935.0	15314.9	15156.9	14912.0
55°	13786.4	13857.5	14420.3	15360.3	16557.1	17133.7	16892.8	16314.2	16156.2	15814.5
57.5°	12556.1	12658.7	13478.3	14694.8	16304.3	17471.4	17734.1	17364.8	17212.7	16721.0
60°	10950.5	11114.4	12052.5	13577.1	15660.5	17469.5	18498.4	18397.6	18271.3	17613.6
62.5°	9133.7	9323.2	10225.7	11997.2	14534.8	16973.8	18976.3	19262.6	19197.5	18437.1
65°	7014.6	7145.0	8043.5	9953.2	12783.2	15909.3	19031.6	19853.1	19865.0	19063.2
67.5°	4670.5	5045.7	5825.8	7468.9	10437.0	14169.5	18545.8	19949.9	20064.4	19278.4
70°	2279.0	2772.7	3536.9	4854.2	7468.9	11501.5	17275.9	19156.0	19410.7	18650.4
72.5°	946.0	1105.9	1522.6	2395.5	4287.4	7761.1	14724.4	17003.4	17475.4	16525.5
75°	637.9	691.2	870.9	1228.4	1953.1	3827.2	10618.7	12678.5	13438.8	12481.0
77.5°	491.7	525.3	633.9	859.1	1161.2	1447.6	5683.6	7640.7	8033.7	7437.3
80°	387.1	412.7	474.0	626.0	823.5	774.1	1937.3	3461.9	3689.0	3094.6
82.5°	335.7	345.6	339.7	424.6	547.0	452.2	635.9	1277.7	1410.0	1023.0
85°	242.9	270.6	282.4	262.7	290.3	229.1	260.7	452.2	497.7	444.3
87.5°	98.7	146.1	179.7	169.8	106.6	65.2	81.0	132.3	152.1	165.9
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°
4168.9	0°	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9
4170.9	2.5°	4172.8	4186.7	4196.5	4208.4	4216.3	4228.1	4251.8	4265.7	4267.6	4277.5
4202.5	5°	4210.4	4230.1	4251.8	4283.4	4319.0	4348.6	4394.0	4425.6	4437.5	4447.3
4279.5	7.5°	4291.3	4319.0	4358.5	4413.8	4465.1	4504.6	4559.9	4597.4	4635.0	4648.8
4401.9	10°	4411.8	4451.3	4508.6	4583.6	4638.9	4690.3	4747.5	4779.1	4816.6	4832.4
4548.1	12.5°	4561.9	4603.4	4678.4	4783.1	4834.4	4870.0	4889.7	4881.8	4889.7	4903.5
4723.8	15°	4733.7	4779.1	4864.0	4976.6	5012.2	4980.6	4937.1	4897.6	4891.7	4895.6
4937.1	17.5°	4937.1	4970.7	5069.4	5164.2	5138.5	5008.2	4913.4	4850.2	4818.6	4808.7
5209.6	20°	5221.5	5221.5	5302.5	5361.7	5189.9	4968.7	4820.6	4717.9	4652.7	4625.1
5580.9	22.5°	5567.1	5535.5	5586.8	5545.4	5180.0	4858.1	4652.7	4475.0	4376.3	4336.8
6100.3	25°	6005.5	5968.0	5954.2	5697.4	5108.9	4682.4	4348.6	4133.3	4046.5	4024.7
6848.8	27.5°	6667.1	6572.3	6392.6	5780.4	4978.6	4405.9	3993.1	3793.7	3744.3	3746.3
7810.5	30°	7547.9	7358.3	6917.9	5794.2	4765.3	4014.9	3629.8	3487.6	3463.9	3473.8
8618.2	32.5°	8363.5	8183.8	7455.0	5731.0	4437.5	3631.7	3303.9	3209.1	3173.6	3185.4
9234.4	35°	9003.3	8953.9	7952.7	5642.1	4034.6	3272.3	3011.6	2930.7	2861.5	2845.7
9815.0	37.5°	9607.6	9587.9	8325.9	5517.7	3635.7	3017.6	2776.6	2670.0	2569.3	2514.0
10456.8	40°	10271.2	10251.4	8570.8	5326.2	3282.2	2796.4	2565.3	2425.1	2300.7	2200.0
11183.5	42.5°	11017.7	10901.1	8687.3	5051.7	2982.0	2608.8	2393.5	2203.9	2040.0	1947.2
12005.1	45°	11833.3	11570.6	8685.4	4702.1	2729.2	2437.0	2209.9	1941.3	1789.2	1702.3
12848.3	47.5°	12698.2	12210.5	8578.7	4315.0	2484.4	2247.4	1925.5	1720.1	1619.4	1566.1
13764.7	50°	13590.9	12808.8	8397.0	3870.7	2233.5	2032.1	1747.7	1607.5	1530.5	1481.1
14673.1	52.5°	14430.2	13351.9	8177.8	3367.1	1978.8	1822.8	1668.7	1560.1	1479.2	1423.9
15553.9	55°	15210.2	13820.0	7867.8	2851.7	1771.4	1682.6	1631.2	1540.4	1447.6	1382.4
16448.5	57.5°	15903.4	14124.1	7332.6	2367.8	1623.3	1585.8	1591.7	1506.8	1400.2	1344.9
17329.3	60°	16480.1	14347.2	6540.7	1919.5	1502.9	1491.0	1530.5	1443.6	1319.2	1256.0
18073.8	62.5°	16825.7	14343.3	5569.1	1572.0	1400.2	1404.1	1449.5	1364.6	1238.2	1179.0
18462.8	65°	16796.0	13991.8	4502.6	1344.9	1301.4	1305.4	1364.6	1277.7	1171.1	1135.5
18267.3	67.5°	16201.6	13134.7	3454.0	1196.8	1192.8	1210.6	1279.7	1218.5	1129.6	1125.7
17102.1	70°	14592.1	11355.4	2488.3	1078.3	1080.2	1105.9	1196.8	1181.0	1107.9	1115.8
14378.8	72.5°	11700.9	8657.7	1670.7	953.8	955.8	997.3	1117.8	1151.3	1086.2	1190.8
10202.0	75°	7792.7	5399.2	1074.3	821.5	823.5	876.8	1048.6	1094.1	1026.9	1186.9
5308.4	77.5°	3744.3	2427.1	778.1	691.2	691.2	740.6	906.5	979.5	874.9	922.3
1706.3	80°	1293.5	912.4	612.2	556.9	545.1	578.6	764.3	849.2	754.4	695.1
556.9	82.5°	509.5	474.0	491.7	432.5	393.0	414.7	594.4	701.1	554.9	501.6
314.0	85°	292.3	308.1	347.6	286.4	227.1	254.8	436.4	503.6	418.7	369.3
102.7	87.5°	79.0	108.6	160.0	148.1	102.7	108.6	207.4	278.5	240.9	185.6
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>
4168.9
4275.5
4445.4
4650.8
4840.3
4907.5
4909.5
4822.6
4619.2
4330.8
4028.7
3752.2
3507.3
3201.2
2857.6
2516.0
2209.9
1953.1
1698.4
1554.2
1463.4
1400.2
1356.7
1309.3
1228.4
1161.2
1133.6
<b>1131.6</b>
1113.8
1206.6
1196.8
845.2
651.7
499.6
377.2
191.6
0.0

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