

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: P947889

Luminaire Tested: **GALN-SB3A-835-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3A-835-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

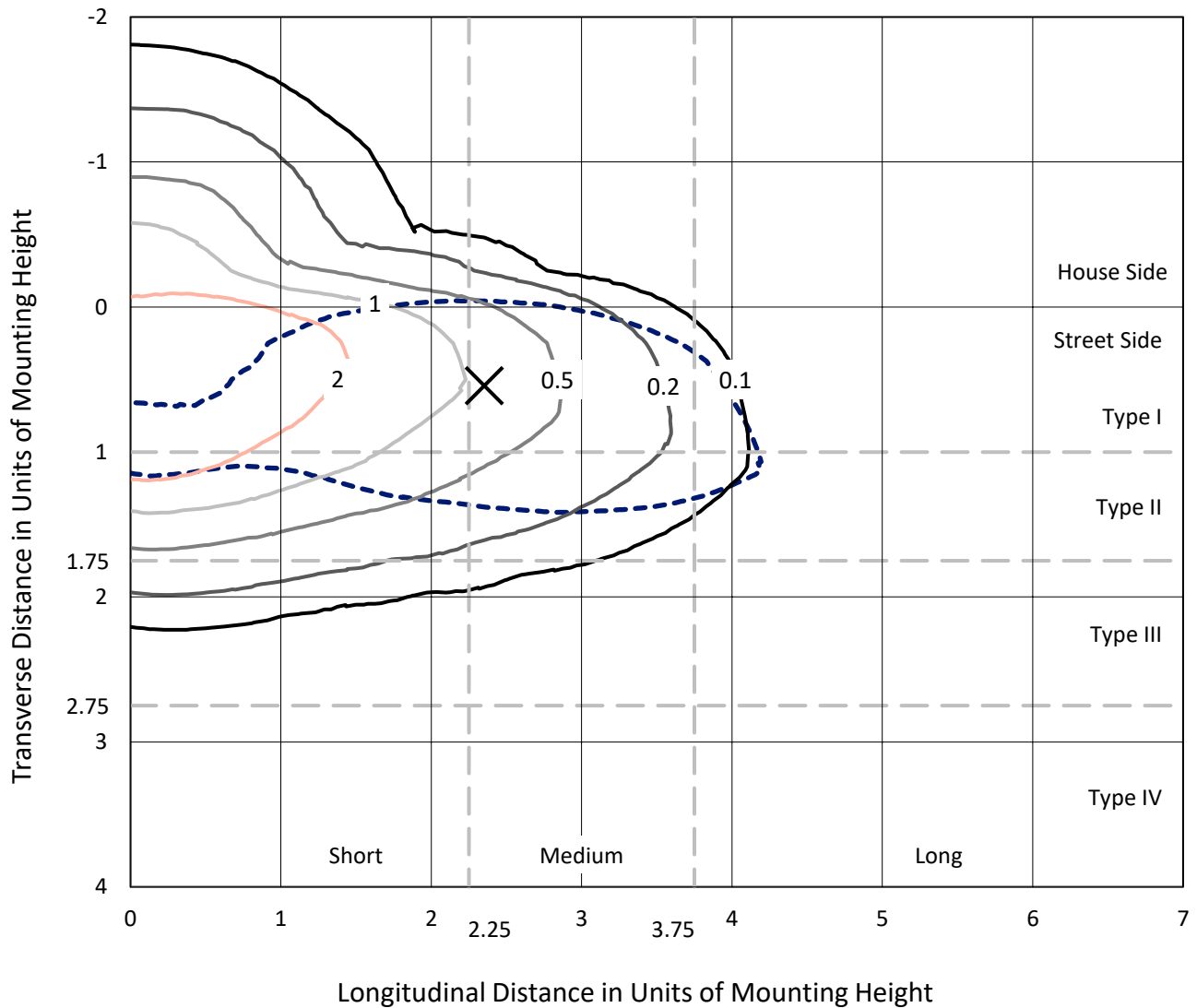
Lumens per Lamp: N/A  
Luminaire Lumens: 12715 lumens  
Efficiency: N/A  
Efficacy: 150.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

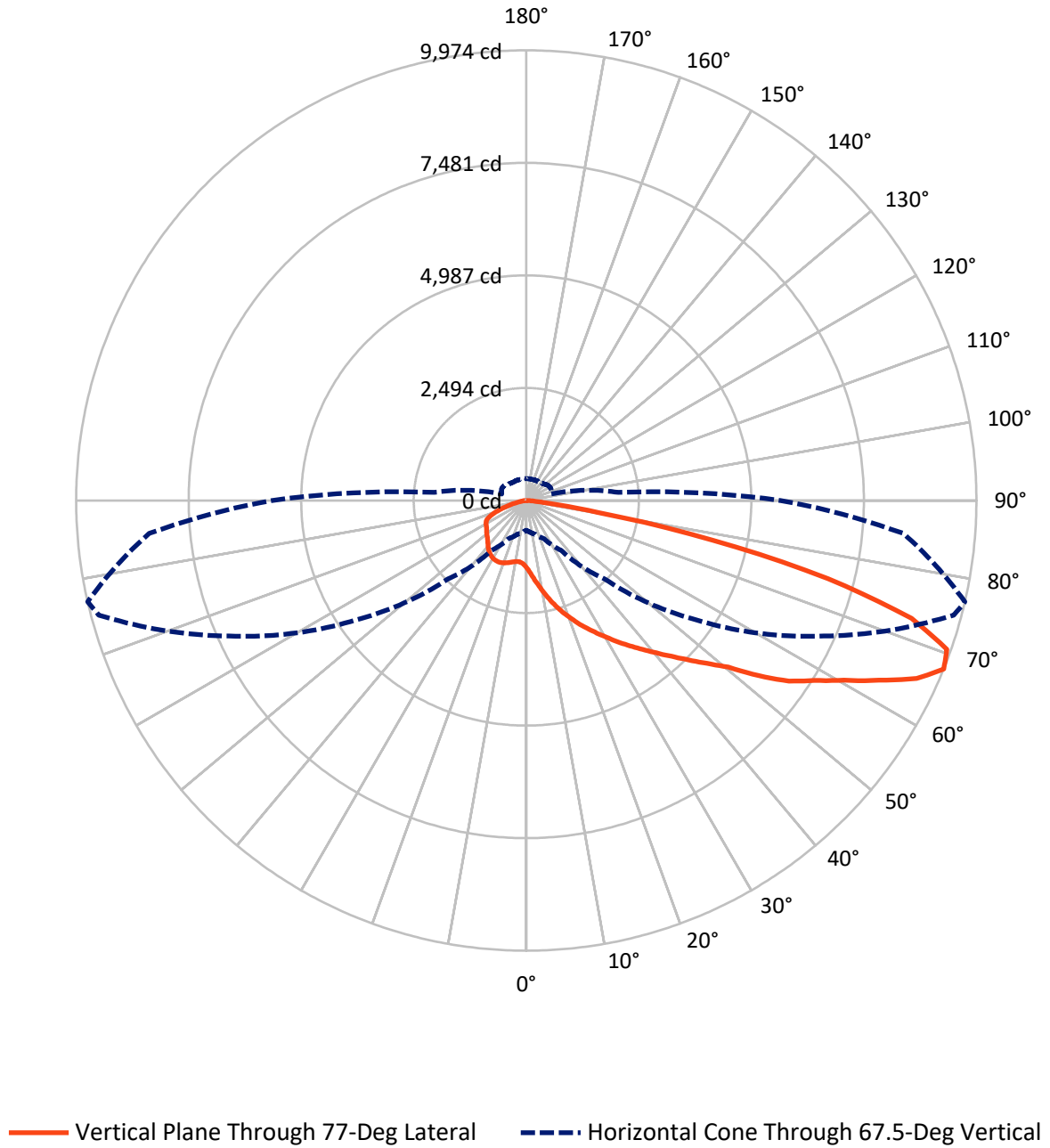
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2405.2	0.0	2405.2
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	10309.8	0.0	10309.8
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	12715.0	0.0	12715.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.9	1.3
10°-20°	574.5	4.5
20°-30°	1084.7	8.5
30°-40°	1747.4	13.7
40°-50°	2390.1	18.8
50°-60°	2696.1	21.2
60°-70°	2516.5	19.8
70°-80°	1379.4	10.8
80°-90°	166.4	1.3
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°	12715.0	100.0
0°-180°	12715.0	100.0

**Coefficient of Utilization**



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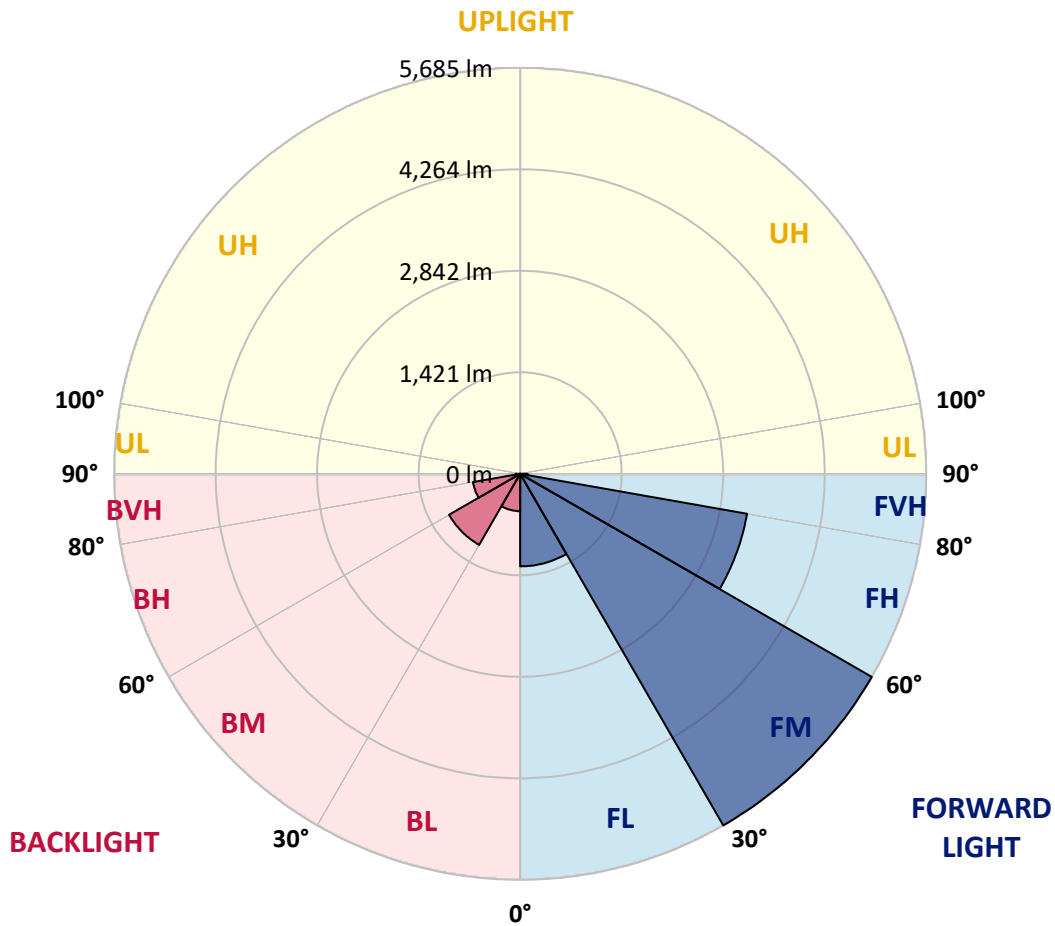
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.1	10.2			
FM (30°-60°)	5684.7	44.7			
FH (60°-80°)	3224.9	25.4			G2/5000
FVH (80°-90°)	104.1	0.8			G2/225
BL (0°-30°)	522.9	4.1	B2/1000		
BM (30°-60°)	1148.9	9.0	B2/2500		
BH (60°-80°)	671.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	62.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9
2.5°	1867.9	1881.1	1864.7	1864.7	1809.5	1780.7	1725.5	1683.5	1608.0	1594.9
5°	2207.9	2224.3	2201.4	2191.5	2126.5	2066.8	1974.3	1883.0	1748.5	1734.7
7.5°	2471.1	2492.1	2471.8	2461.3	2403.5	2336.6	2228.3	2100.9	1911.3	1884.4
10°	2685.7	2689.0	2682.5	2686.4	2641.1	2586.0	2475.1	2326.7	2089.8	2053.0
12.5°	2807.2	2822.3	2835.4	2859.0	2851.1	2817.0	2717.3	2540.0	2278.8	2231.6
15°	2864.3	2890.5	2920.1	2974.5	3018.5	3027.0	2950.9	2769.1	2471.1	2414.0
17.5°	2884.6	2909.6	2956.2	3034.9	3129.4	3193.1	3159.0	2991.6	2661.5	2595.8
20°	2987.7	2994.9	3023.1	3097.9	3200.3	3306.0	3331.6	3205.6	2849.8	2775.7
22.5°	3208.2	3193.8	3201.6	3235.8	3309.3	3411.7	3470.1	3394.6	3043.5	2958.1
25°	3572.5	3530.5	3488.5	3449.1	3486.5	3544.2	3610.5	3583.6	3246.3	3138.0
27.5°	4032.6	3981.4	3888.8	3759.5	3714.2	3734.6	3764.1	3758.9	3434.0	3324.4
30°	4485.4	4425.7	4315.4	4128.4	4008.9	3955.1	3932.8	3917.7	3638.1	3521.3
32.5°	4847.1	4799.8	4691.5	4482.2	4308.9	4217.0	4142.8	4089.0	3851.4	3734.6
35°	5163.4	5119.5	4995.4	4767.0	4578.6	4480.8	4383.7	4268.8	4073.3	3955.1
37.5°	5452.2	5408.3	5238.3	5000.7	4811.0	4743.4	4656.7	4461.8	4295.8	4184.2
40°	5634.7	5624.8	5466.0	5196.9	5000.0	4966.5	4937.7	4685.6	4542.5	4438.8
42.5°	5681.3	5703.0	5576.9	5355.7	5168.0	5141.1	5208.7	4939.0	4819.5	4720.4
45°	5569.1	5631.4	5548.7	5398.4	5287.5	5273.0	5448.9	5215.9	5126.0	5035.5
47.5°	5284.9	5390.5	5356.4	5335.4	5319.6	5382.0	5660.3	5510.0	5473.2	5394.5
50°	4711.2	4911.4	4971.1	5103.7	5256.0	5466.7	5852.6	5830.9	5878.9	5799.4
52.5°	3719.5	3995.2	4341.7	4673.8	5060.4	5438.4	6063.9	6291.7	6493.8	6450.5
55°	3070.4	3194.4	3460.9	4070.0	4681.0	5319.6	6159.1	6663.8	7104.2	7065.5
57.5°	2571.5	2682.5	2846.6	3355.2	4107.4	5049.9	6218.2	6890.9	7522.3	7518.4
60°	2036.6	2154.1	2322.1	2682.5	3437.3	4583.9	6205.1	7149.5	8055.9	8088.8
62.5°	1432.8	1562.1	1748.5	2084.5	2752.7	3980.1	5937.3	7336.6	8684.1	8773.3
65°	941.9	1027.2	1167.6	1457.7	2051.1	3203.6	5426.0	7360.9	9356.1	9507.1
67.5°	660.3	693.1	775.8	933.3	1352.1	2456.7	4611.5	7109.5	9804.4	9974.4
70°	515.2	531.6	573.6	636.7	849.3	1652.0	3533.7	6455.8	9708.6	9885.8
72.5°	445.0	460.8	476.5	484.4	569.7	1020.0	2393.7	5397.8	8806.1	8926.2
75°	403.7	407.6	420.7	418.1	434.5	661.6	1381.6	3932.8	6948.0	6906.7
77.5°	339.3	344.6	366.2	363.0	385.9	452.2	717.4	2538.1	4504.5	4223.6
80°	287.5	290.1	313.7	309.8	335.4	327.5	366.2	1293.6	1910.6	1618.5
82.5°	99.8	123.4	239.6	246.8	256.0	198.2	211.3	527.7	583.5	447.0
85°	48.6	51.9	122.1	173.3	172.6	99.8	103.0	188.4	183.8	144.4
87.5°	7.9	9.8	14.4	67.6	53.8	26.3	35.4	36.8	38.1	32.8
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°
1491.9	0°	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9
1545.0	2.5°	1508.3	1475.5	1406.5	1342.9	1293.0	1245.1	1218.2	1195.2	1182.1	1179.4
1617.2	5°	1549.0	1481.4	1356.0	1250.3	1181.4	1130.2	1103.3	1086.2	1077.7	1072.5
1714.4	7.5°	1607.4	1508.3	1329.7	1209.6	1137.4	1100.7	1086.9	1084.3	1083.6	1084.3
1831.8	10°	1688.1	1552.2	1327.1	1199.8	1139.4	1119.1	1118.4	1119.1	1121.7	1122.3
1959.8	12.5°	1775.4	1597.5	1337.6	1208.3	1164.4	1153.2	1151.2	1150.6	1152.5	1153.8
2089.1	15°	1870.6	1657.3	1355.3	1226.7	1191.9	1180.1	1178.1	1174.2	1173.5	1172.9
2225.0	17.5°	1968.4	1716.3	1375.0	1246.4	1209.6	1193.2	1186.0	1176.8	1169.6	1167.6
2365.5	20°	2067.5	1774.7	1388.8	1256.2	1211.0	1188.0	1173.5	1157.8	1145.3	1138.1
2507.2	22.5°	2173.1	1835.8	1397.4	1253.6	1199.1	1167.6	1141.4	1123.0	1104.0	1091.5
2650.3	25°	2276.2	1889.0	1396.7	1239.8	1176.2	1136.1	1102.7	1079.0	1052.8	1039.6
2798.0	27.5°	2375.3	1936.9	1380.3	1215.5	1143.3	1098.7	1058.7	1030.5	1004.9	992.4
2947.0	30°	2477.7	1976.9	1354.7	1180.1	1104.6	1055.4	1011.4	987.1	964.2	952.4
3104.5	32.5°	2579.4	2013.7	1318.6	1136.1	1060.0	1012.7	969.4	947.1	933.3	933.3
3273.8	35°	2687.1	2039.3	1270.7	1084.9	1012.7	967.4	933.3	920.2	918.9	911.0
3453.0	37.5°	2800.6	2055.7	1212.3	1032.4	966.1	923.5	913.0	897.2	884.1	867.0
3649.9	40°	2920.1	2072.1	1142.0	977.9	916.9	893.3	888.7	867.7	830.3	788.3
3873.1	42.5°	3065.1	2083.2	1069.2	923.5	865.1	857.2	863.7	827.6	767.9	736.4
4142.2	45°	3233.1	2101.6	1002.2	869.7	811.9	811.9	839.5	792.2	743.0	723.3
4449.3	47.5°	3451.0	2144.3	939.9	810.6	762.7	775.8	785.6	749.5	722.0	697.7
4823.5	50°	3766.1	2246.7	875.6	750.9	725.3	751.5	737.7	716.7	684.6	664.9
5418.1	52.5°	4157.3	2307.0	818.5	697.0	693.1	719.4	699.7	680.0	655.7	629.4
5869.0	55°	4423.7	2318.2	770.5	657.7	671.4	668.8	661.6	643.9	630.7	596.0
6314.0	57.5°	4721.7	2340.5	731.2	634.0	657.7	628.8	626.1	611.1	594.0	570.4
6856.8	60°	5078.1	2375.3	697.0	624.8	645.8	602.5	589.4	583.5	566.4	554.6
7509.9	62.5°	5466.7	2406.8	662.2	626.1	632.1	576.9	557.2	555.3	544.8	540.8
8122.9	65°	5731.8	2320.8	618.9	624.8	610.4	550.7	525.7	525.1	516.5	515.2
8388.7	67.5°	5639.3	2048.4	560.5	606.5	588.1	524.4	496.9	494.2	483.1	483.7
8111.1	70°	5175.9	1659.9	479.8	561.2	560.5	500.8	466.7	458.1	443.0	445.7
7052.4	72.5°	4306.9	1230.0	371.5	485.7	516.5	479.1	431.9	418.1	399.1	401.7
5206.1	75°	3110.4	836.2	270.4	369.5	449.6	453.5	397.7	374.1	351.1	355.1
2897.7	77.5°	1591.6	473.9	198.9	254.7	353.1	412.2	366.9	335.4	330.1	366.9
835.5	80°	519.2	237.6	137.8	178.5	231.7	337.4	321.6	285.5	284.2	292.7
175.2	82.5°	154.9	100.4	88.6	117.5	128.0	258.6	277.6	215.9	185.7	195.6
58.4	85°	53.2	48.6	50.5	58.4	61.0	151.6	194.3	143.1	135.2	149.0
13.1	87.5°	12.5	17.1	14.4	13.1	13.1	36.8	75.5	59.7	82.7	55.1
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>
1491.9
1179.4
1071.8
1086.2
1123.0
1154.5
1172.2
1169.6
1140.7
1092.2
1039.6
991.7
951.7
934.0
909.0
864.4
782.4
737.1
726.6
697.0
662.9
624.2
596.6
562.5
557.9
540.8
514.6
483.7
448.3
401.0
356.4
361.6
251.4
202.2
147.0
53.2
0.0

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