

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: P948666

Luminaire Tested: **GALN-SB3C-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948666  
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-SB3C-927-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

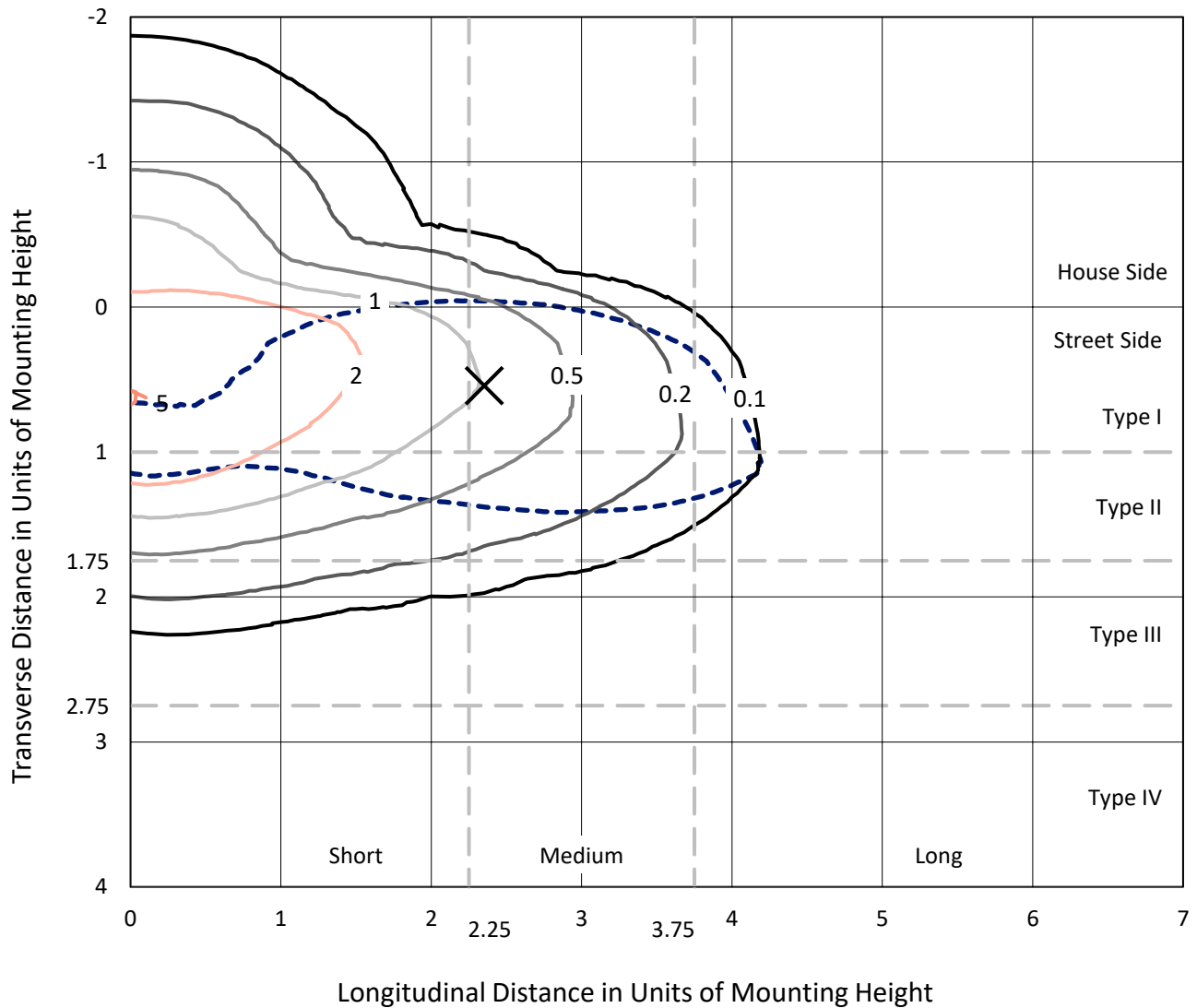
Lumens per Lamp: N/A  
Luminaire Lumens: 13931 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

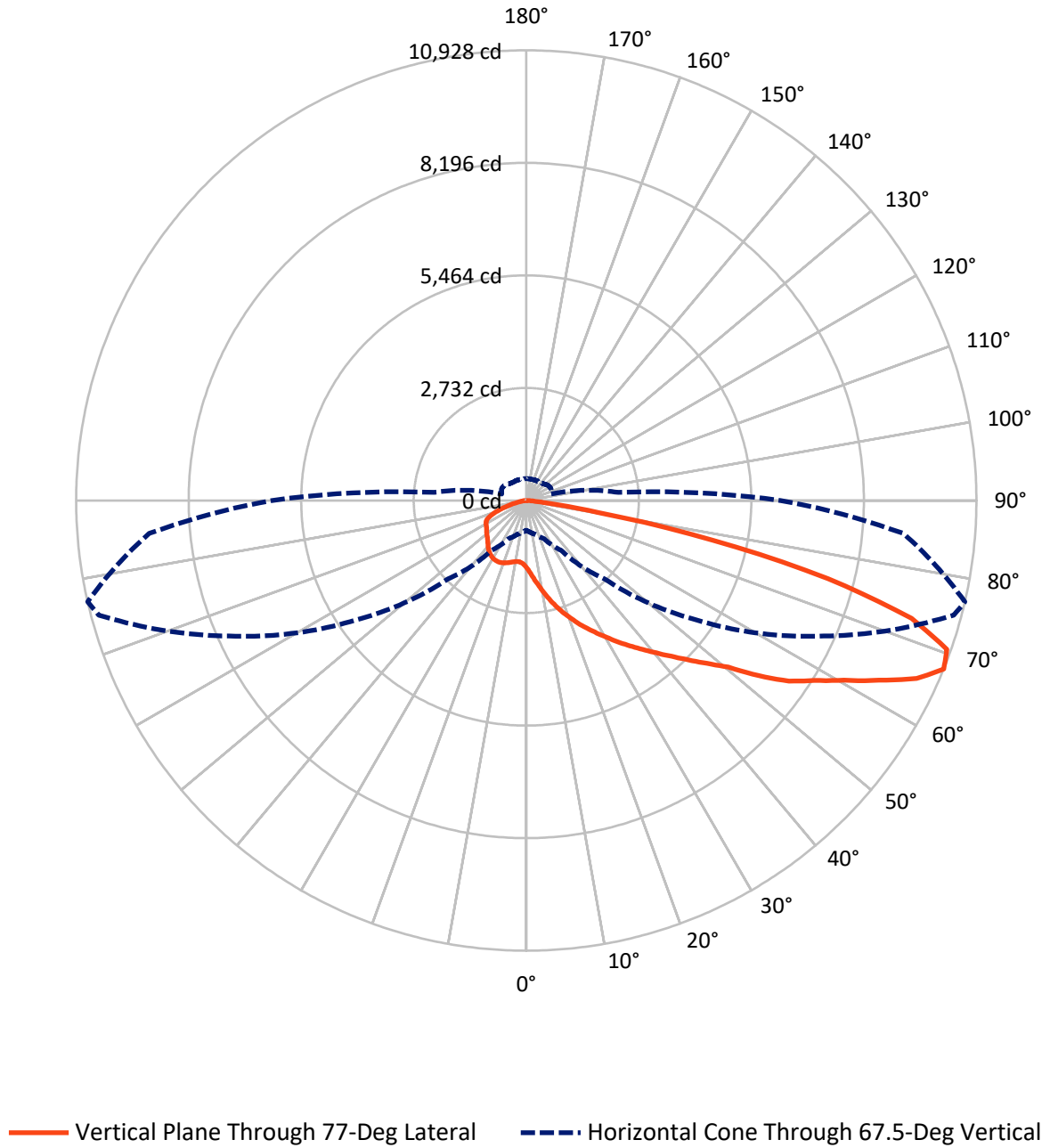
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2635.2	0.0	2635.2
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	11295.8	0.0	11295.8
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	13931.0	0.0	13931.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.2	1.3
10°-20°	629.4	4.5
20°-30°	1188.4	8.5
30°-40°	1914.5	13.7
40°-50°	2618.7	18.8
50°-60°	2953.9	21.2
60°-70°	2757.1	19.8
70°-80°	1511.4	10.8
80°-90°	182.3	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°	13931.0	100.0
0°-180°	13931.0	100.0

**Coefficient of Utilization**



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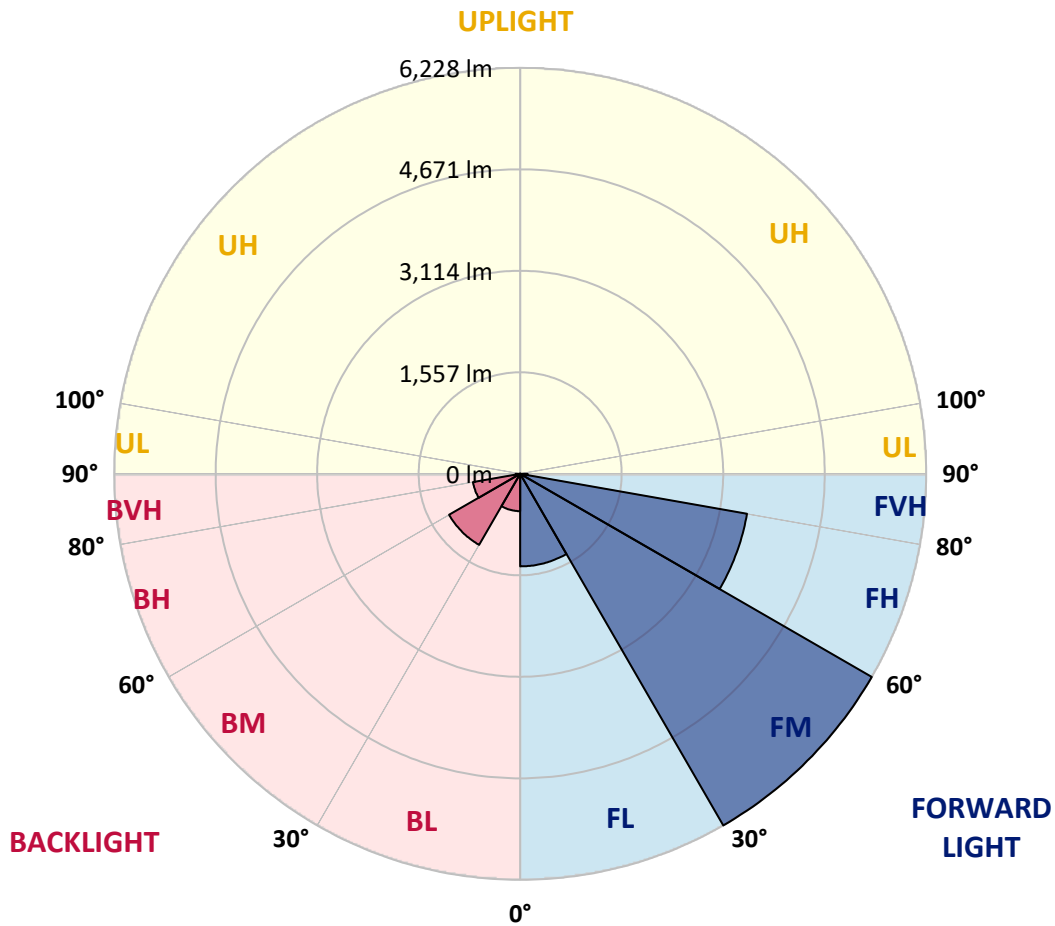
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.1	10.2			
FM (30°-60°)	6228.4	44.7			
FH (60°-80°)	3533.3	25.4			G2/5000
FVH (80°-90°)	114.0	0.8			G2/225
BL (0°-30°)	573.0	4.1	B2/1000		
BM (30°-60°)	1258.8	9.0	B2/2500		
BH (60°-80°)	735.2	5.3	B2/1000		G2/1000
BVH (80°-90°)	68.3	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°	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5
2.5°	2046.6	2061.0	2043.0	2043.0	1982.6	1950.9	1890.5	1844.5	1761.8	1747.4
5°	2419.1	2437.1	2411.9	2401.1	2329.9	2264.5	2163.1	2063.1	1915.7	1900.6
7.5°	2707.5	2730.5	2708.2	2696.7	2633.4	2560.0	2441.4	2301.9	2094.1	2064.6
10°	2942.6	2946.2	2939.0	2943.3	2893.7	2833.3	2711.8	2549.2	2289.6	2249.4
12.5°	3075.6	3092.2	3106.6	3132.4	3123.8	3086.4	2977.1	2783.0	2496.8	2445.0
15°	3138.2	3167.0	3199.3	3259.0	3307.2	3316.5	3233.1	3033.9	2707.5	2644.9
17.5°	3160.5	3187.8	3238.9	3325.2	3428.7	3498.5	3461.1	3277.7	2916.0	2844.1
20°	3273.4	3281.3	3312.2	3394.2	3506.4	3622.2	3650.2	3512.1	3122.4	3041.1
22.5°	3515.0	3499.2	3507.8	3545.2	3625.8	3737.9	3801.9	3719.2	3334.5	3241.0
25°	3914.1	3868.1	3822.1	3778.9	3819.9	3883.2	3955.8	3926.3	3556.7	3438.1
27.5°	4418.2	4362.1	4260.7	4119.1	4069.4	4091.7	4124.1	4118.3	3762.4	3642.3
30°	4914.4	4849.0	4728.2	4523.2	4392.3	4333.4	4308.9	4292.4	3986.0	3858.0
32.5°	5310.6	5258.9	5140.2	4910.8	4721.0	4620.3	4539.0	4480.1	4219.7	4091.7
35°	5657.2	5609.1	5473.2	5222.9	5016.5	4909.4	4802.9	4677.1	4462.8	4333.4
37.5°	5973.7	5925.5	5739.2	5478.9	5271.1	5197.0	5102.1	4888.5	4706.6	4584.3
40°	6173.6	6162.8	5988.8	5693.9	5478.2	5441.5	5409.9	5133.7	4977.0	4863.3
42.5°	6224.6	6248.4	6110.3	5867.9	5662.3	5632.8	5706.9	5411.3	5280.4	5171.8
45°	6101.7	6170.0	6079.4	5914.7	5793.2	5777.3	5970.1	5714.8	5616.3	5517.0
47.5°	5790.3	5906.1	5868.7	5845.7	5828.4	5896.7	6201.6	6036.9	5996.7	5910.4
50°	5161.8	5381.1	5446.5	5591.8	5758.6	5989.5	6412.3	6388.6	6441.1	6354.1
52.5°	4075.2	4377.2	4756.9	5120.8	5544.3	5958.6	6643.9	6893.4	7114.9	7067.4
55°	3364.0	3499.9	3791.9	4459.2	5128.7	5828.4	6748.1	7301.1	7783.7	7741.2
57.5°	2817.5	2939.0	3118.8	3676.1	4500.2	5532.8	6812.9	7549.9	8241.7	8237.4
60°	2231.4	2360.1	2544.2	2939.0	3766.0	5022.3	6798.5	7833.3	8826.4	8862.3
62.5°	1569.8	1711.5	1915.7	2283.9	3016.0	4360.7	6505.1	8038.2	9514.6	9612.4
65°	1031.9	1125.4	1279.3	1597.1	2247.2	3510.0	5944.9	8064.8	10250.9	10416.3
67.5°	723.4	759.4	850.0	1022.6	1481.4	2691.6	5052.5	7789.4	10742.1	10928.3
70°	564.5	582.5	628.5	697.5	930.5	1810.0	3871.7	7073.2	10637.1	10831.2
72.5°	487.6	504.8	522.1	530.7	624.2	1117.5	2622.6	5914.0	9648.3	9779.9
75°	442.3	446.6	461.0	458.1	476.1	724.9	1513.7	4308.9	7612.5	7567.2
77.5°	371.8	377.5	401.3	397.7	422.8	495.5	786.0	2780.8	4935.3	4627.5
80°	315.0	317.8	343.7	339.4	367.5	358.8	401.3	1417.4	2093.3	1773.3
82.5°	109.3	135.2	262.5	270.4	280.5	217.2	231.6	578.2	639.3	489.7
85°	53.2	56.8	133.8	189.8	189.1	109.3	112.9	206.4	201.4	158.2
87.5°	8.6	10.8	15.8	74.1	59.0	28.8	38.8	40.3	41.7	36.0
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°
1634.5	0°	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5	1634.5
1692.8	2.5°	1652.5	1616.6	1541.1	1471.3	1416.6	1364.2	1334.7	1309.5	1295.1	1292.2
1771.9	5°	1697.1	1623.0	1485.7	1369.9	1294.4	1238.3	1208.8	1190.1	1180.8	1175.0
1878.3	7.5°	1761.1	1652.5	1456.9	1325.3	1246.2	1205.9	1190.8	1188.0	1187.3	1188.0
2007.0	10°	1849.6	1700.7	1454.0	1314.5	1248.4	1226.1	1225.4	1226.1	1229.0	1229.7
2147.3	12.5°	1945.2	1750.3	1465.5	1323.9	1275.7	1263.5	1261.3	1260.6	1262.8	1264.2
2288.9	15°	2049.5	1815.8	1485.0	1344.0	1305.9	1293.0	1290.8	1286.5	1285.8	1285.1
2437.8	17.5°	2156.6	1880.5	1506.5	1365.6	1325.3	1307.3	1299.4	1289.4	1281.5	1279.3
2591.7	20°	2265.2	1944.5	1521.6	1376.4	1326.8	1301.6	1285.8	1268.5	1254.8	1246.9
2747.0	22.5°	2381.0	2011.4	1531.0	1373.5	1313.8	1279.3	1250.5	1230.4	1209.5	1195.9
2903.8	25°	2493.9	2069.6	1530.3	1358.4	1288.6	1244.8	1208.1	1182.2	1153.5	1139.1
3065.6	27.5°	2602.5	2122.1	1512.3	1331.8	1252.7	1203.8	1159.9	1129.0	1101.0	1087.3
3228.8	30°	2714.6	2166.0	1484.2	1293.0	1210.3	1156.3	1108.1	1081.5	1056.4	1043.4
3401.4	32.5°	2826.1	2206.2	1444.7	1244.8	1161.4	1109.6	1062.1	1037.7	1022.6	1022.6
3586.9	35°	2944.0	2234.3	1392.2	1188.7	1109.6	1060.0	1022.6	1008.2	1006.8	998.1
3783.2	37.5°	3068.4	2252.3	1328.2	1131.2	1058.5	1011.8	1000.3	983.0	968.6	949.9
3999.0	40°	3199.3	2270.2	1251.3	1071.5	1004.6	978.7	973.7	950.7	909.7	863.7
4243.5	42.5°	3358.2	2282.5	1171.4	1011.8	947.8	939.2	946.3	906.8	841.4	806.8
4538.3	45°	3542.3	2302.6	1098.1	952.8	889.5	889.5	919.7	868.0	814.0	792.5
4874.9	47.5°	3781.1	2349.3	1029.8	888.1	835.6	850.0	860.8	821.2	791.0	764.4
5284.7	50°	4126.3	2461.5	959.3	822.7	794.6	823.4	808.3	785.3	750.0	728.5
5936.3	52.5°	4554.8	2527.7	896.7	763.7	759.4	788.1	766.6	745.0	718.4	689.6
6430.3	55°	4846.8	2539.9	844.2	720.5	735.7	732.8	724.9	705.4	691.1	653.0
6917.8	57.5°	5173.3	2564.3	801.1	694.7	720.5	688.9	686.0	669.5	650.8	624.9
7512.6	60°	5563.8	2602.5	763.7	684.6	707.6	660.1	645.8	639.3	620.6	607.6
8228.1	62.5°	5989.5	2637.0	725.6	686.0	692.5	632.1	610.5	608.4	596.9	592.5
8899.7	65°	6280.0	2542.8	678.1	684.6	668.8	603.3	576.0	575.3	565.9	564.5
9191.0	67.5°	6178.6	2244.3	614.1	664.5	644.3	574.6	544.4	541.5	529.3	530.0
8886.8	70°	5670.9	1818.6	525.7	614.8	614.1	548.7	511.3	501.9	485.4	488.3
7726.8	72.5°	4718.8	1347.6	407.0	532.1	565.9	525.0	473.2	458.1	437.2	440.1
5704.0	75°	3407.9	916.1	296.3	404.9	492.6	496.9	435.8	409.9	384.7	389.0
3174.9	77.5°	1743.8	519.2	217.9	279.0	386.9	451.6	402.0	367.5	361.7	402.0
915.4	80°	568.8	260.3	151.0	195.6	253.8	369.6	352.4	312.8	311.4	320.7
192.0	82.5°	169.7	110.0	97.1	128.7	140.2	283.3	304.2	236.6	203.5	214.3
64.0	85°	58.2	53.2	55.4	64.0	66.9	166.1	212.9	156.8	148.1	163.2
14.4	87.5°	13.7	18.7	15.8	14.4	14.4	40.3	82.7	65.4	90.6	60.4
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>
1634.5
1292.2
1174.3
1190.1
1230.4
1264.9
1284.3
1281.5
1249.8
1196.6
1139.1
1086.6
1042.7
1023.3
996.0
947.1
857.2
807.6
796.1
763.7
726.3
683.9
653.7
616.3
611.2
592.5
563.8
530.0
491.2
439.4
390.5
396.2
275.4
221.5
161.1
58.2
0.0

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