

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: P942197

Luminaire Tested: **GALN-SB6A-830-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942197  
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-SB6A-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

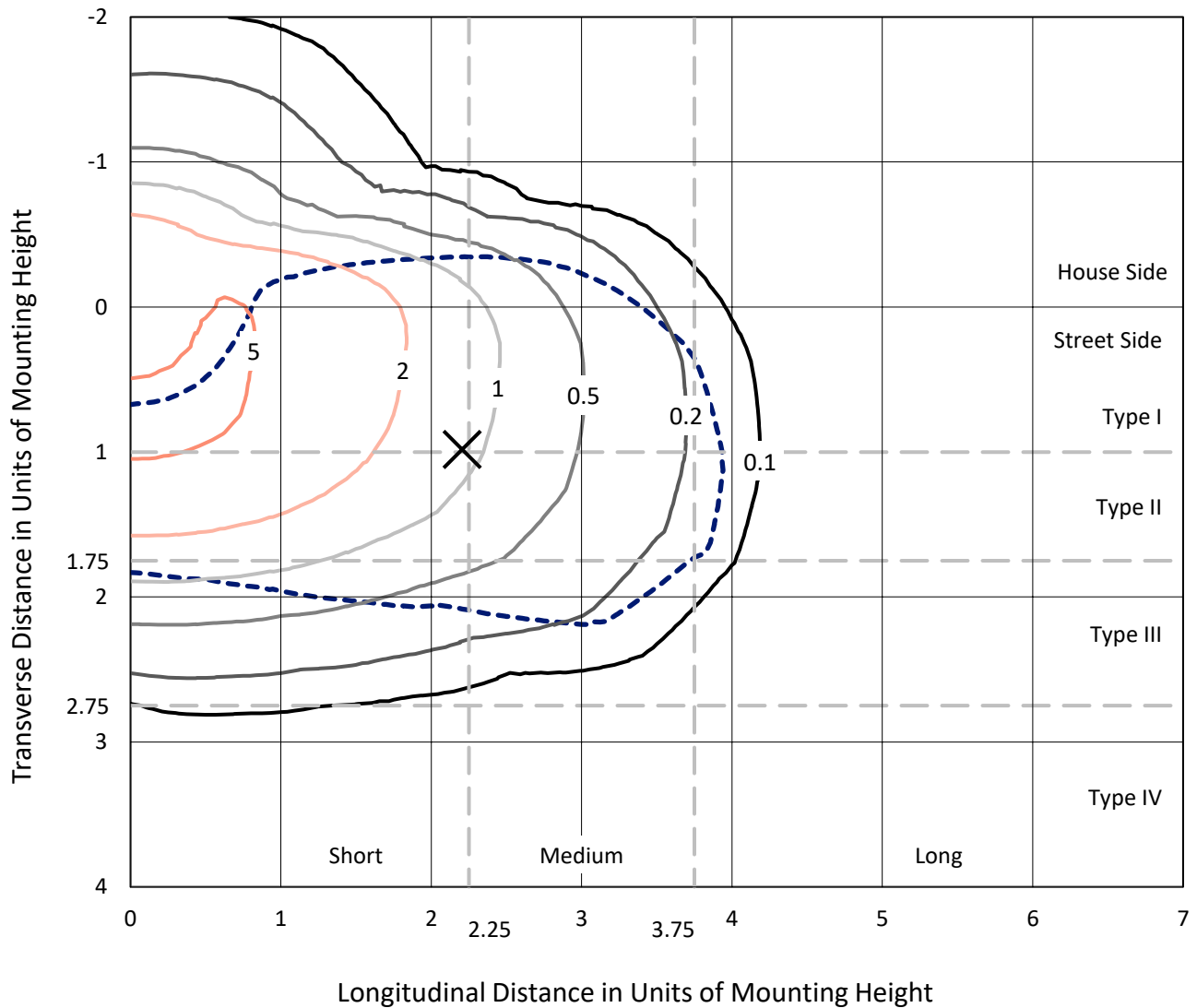
Lumens per Lamp: N/A  
Luminaire Lumens: 24459 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

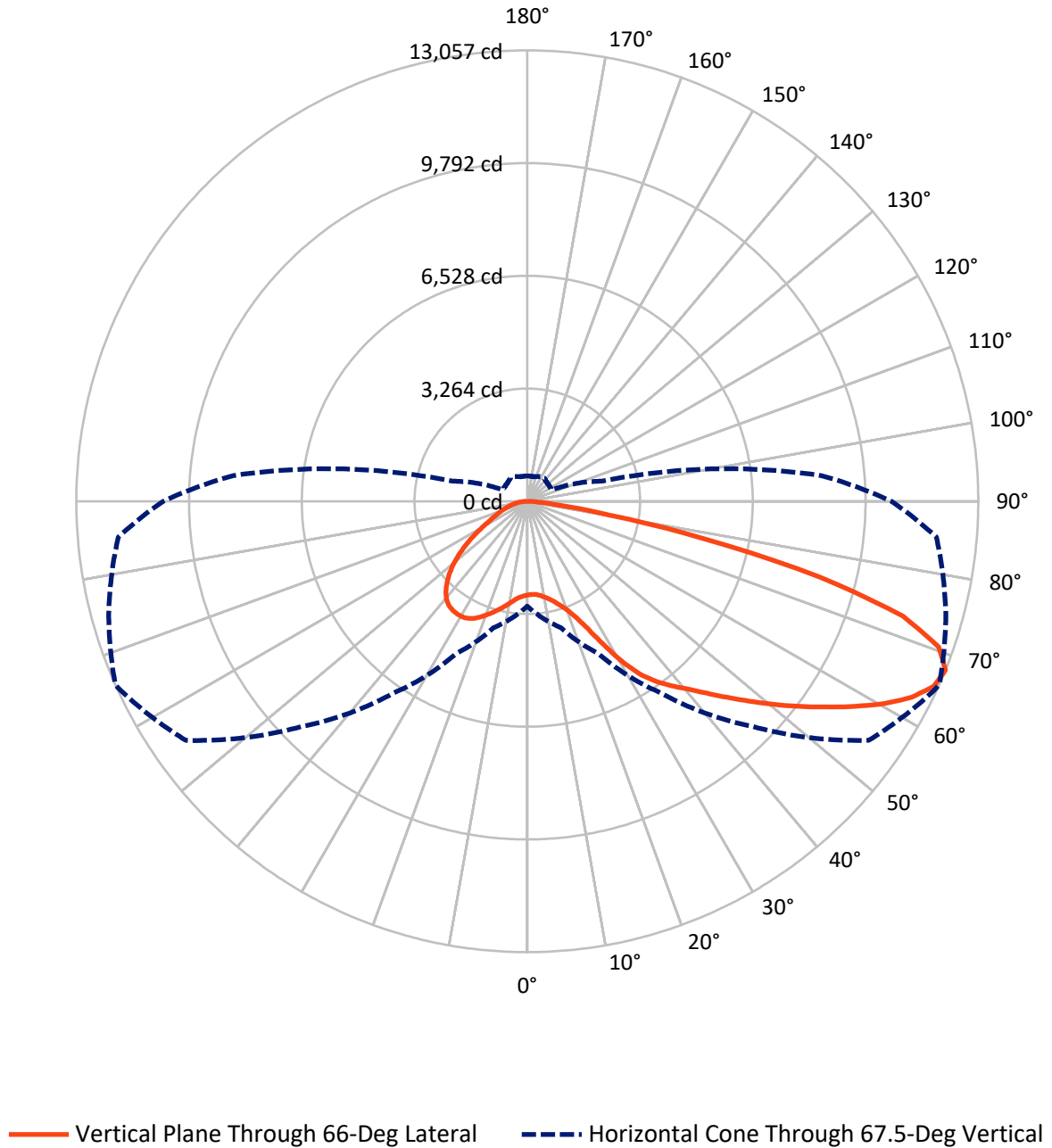
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	6081.7	0.0	6081.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	18377.3	0.0	18377.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	24459.0	0.0	24459.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.0	1.1
10°-20°	888.6	3.6
20°-30°	1712.8	7.0
30°-40°	3003.1	12.3
40°-50°	4464.7	18.3
50°-60°	5659.4	23.1
60°-70°	5537.6	22.6
70°-80°	2641.5	10.8
80°-90°	282.3	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°	24459.0	100.0
0°-180°	24459.0	100.0

**Coefficient of Utilization**



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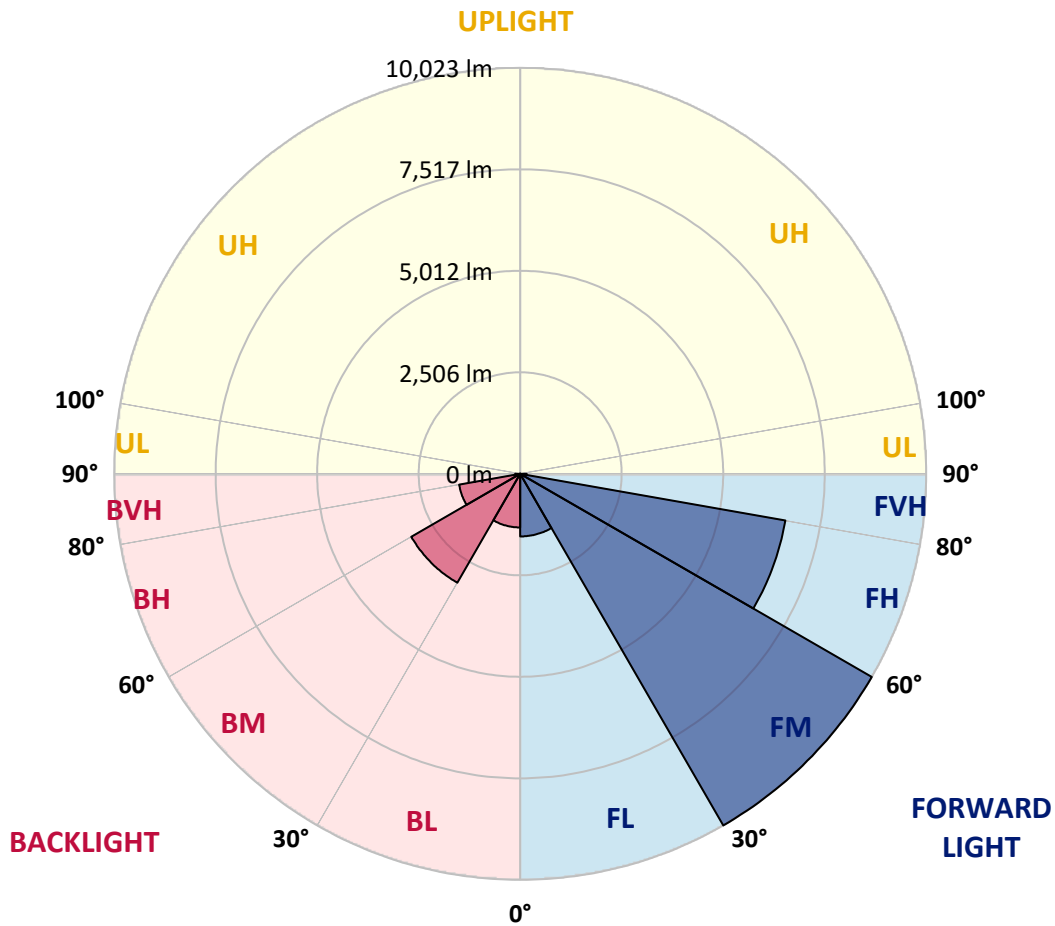
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1545.6	6.3			
FM (30°-60°)	10023.1	41.0			
FH (60°-80°)	6648.6	27.2			G3/7500
FVH (80°-90°)	160.1	0.7			G2/225
BL (0°-30°)	1324.8	5.4	B3/2500		
BM (30°-60°)	3104.1	12.7	B3/5000		
BH (60°-80°)	1530.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	122.2	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8
2.5°	2684.6	2700.0	2696.1	2689.7	2688.4	2691.0	2694.8	2698.7	2697.4	2703.8
5°	2676.8	2692.3	2691.0	2691.0	2696.1	2706.4	2712.8	2719.3	2712.8	2720.5
7.5°	2682.0	2693.5	2698.7	2703.8	2716.7	2736.0	2751.4	2765.5	2757.8	2766.8
10°	2747.5	2756.5	2761.7	2761.7	2770.7	2792.5	2807.9	2833.6	2827.2	2841.3
12.5°	2867.0	2876.0	2876.0	2870.9	2877.3	2891.5	2896.6	2924.9	2913.3	2936.4
15°	3013.5	3031.5	3017.4	3008.4	3011.0	3025.1	3023.8	3045.7	3034.1	3053.4
17.5°	3175.5	3198.6	3175.5	3174.2	3169.0	3184.5	3185.7	3205.0	3184.5	3198.6
20°	3366.9	3399.1	3379.8	3386.2	3374.6	3381.1	3387.5	3415.8	3383.6	3393.9
22.5°	3636.8	3675.4	3654.8	3679.2	3671.5	3666.4	3665.1	3715.2	3665.1	3668.9
25°	4030.0	4076.3	4040.3	4073.7	4073.7	4090.4	4109.7	4174.0	4090.4	4066.0
27.5°	4610.9	4657.2	4586.5	4607.0	4600.6	4641.7	4621.2	4780.5	4690.6	4650.7
30°	5310.0	5392.2	5258.6	5253.5	5247.0	5312.6	5342.1	5447.5	5356.3	5316.4
32.5°	6065.6	6151.7	5992.4	5946.1	5921.7	5961.5	5937.1	6021.9	5959.0	5897.3
35°	6865.0	6949.8	6798.1	6708.2	6610.5	6527.0	6439.6	6461.4	6402.3	6308.5
37.5°	7620.6	7776.1	7615.4	7519.1	7339.2	7175.9	6931.8	6830.3	6775.0	6688.9
40°	8390.4	8479.0	8356.9	8274.7	8079.4	7823.6	7433.0	7218.4	7143.8	7060.3
42.5°	8957.1	9041.9	8976.4	8919.8	8766.9	8470.0	7965.0	7696.4	7588.5	7494.6
45°	9406.9	9469.8	9428.7	9449.3	9383.7	9095.9	8516.3	8209.2	8097.4	7983.0
47.5°	9588.1	9654.9	9720.4	9842.5	9954.3	9742.3	9108.7	8764.3	8646.1	8529.1
50°	9567.5	9635.6	9825.8	10085.4	10432.4	10361.7	9733.3	9355.5	9246.2	9112.6
52.5°	9403.0	9480.1	9724.3	10156.1	10708.7	10825.6	10369.4	9965.9	9863.1	9703.7
55°	8971.2	9017.5	9383.7	9995.4	10774.2	11149.4	10992.7	10616.1	10513.3	10291.0
57.5°	8170.6	8237.4	8770.7	9562.4	10609.7	11369.2	11540.1	11299.8	11200.8	10880.9
60°	7125.8	7232.5	7842.9	8835.0	10190.8	11367.9	12037.4	11971.9	11889.7	11461.7
62.5°	5943.5	6066.9	6654.2	7806.9	9458.3	11045.4	12348.4	12534.8	12492.4	11997.6
65°	4564.6	4649.5	5234.2	6476.9	8318.4	10352.7	12384.4	12919.0	12926.7	12405.0
67.5°	3039.2	3283.4	3791.0	4860.2	6791.7	9220.5	12068.3	12982.0	13056.5	12545.1
70°	1483.0	1804.3	2301.6	3158.8	4860.2	7484.4	11242.0	12465.4	12631.2	12136.4
72.5°	615.6	719.7	990.8	1558.8	2789.9	5050.4	9581.6	11064.6	11371.8	10753.6
75°	415.1	449.8	566.7	799.3	1271.0	2490.5	6909.9	8250.3	8745.0	8121.8
77.5°	320.0	341.8	412.5	559.0	755.6	942.0	3698.5	4972.0	5227.7	4839.7
80°	251.9	268.6	308.4	407.4	535.9	503.8	1260.7	2252.8	2400.5	2013.7
82.5°	218.5	224.9	221.0	276.3	356.0	294.3	413.8	831.5	917.6	665.7
85°	158.1	176.1	183.8	170.9	188.9	149.1	169.6	294.3	323.8	289.1
87.5°	64.3	95.1	116.9	110.5	69.4	42.4	52.7	86.1	99.0	107.9
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°
2712.8	0°	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8	2712.8
2714.1	2.5°	2715.4	2724.4	2730.8	2738.5	2743.7	2751.4	2766.8	2775.8	2777.1	2783.5
2734.7	5°	2739.8	2752.7	2766.8	2787.4	2810.5	2829.8	2859.3	2879.9	2887.6	2894.0
2784.8	7.5°	2792.5	2810.5	2836.2	2872.2	2905.6	2931.3	2967.3	2991.7	3016.1	3025.1
2864.5	10°	2870.9	2896.6	2933.9	2982.7	3018.7	3052.1	3089.4	3109.9	3134.3	3144.6
2959.6	12.5°	2968.6	2995.5	3044.4	3112.5	3145.9	3169.0	3181.9	3176.7	3181.9	3190.9
3073.9	15°	3080.4	3109.9	3165.2	3238.4	3261.6	3241.0	3212.7	3187.0	3183.2	3185.7
3212.7	17.5°	3212.7	3234.6	3298.8	3360.5	3343.8	3259.0	3197.3	3156.2	3135.6	3129.2
3390.1	20°	3397.8	3397.8	3450.5	3489.0	3377.2	3233.3	3136.9	3070.1	3027.7	3009.7
3631.7	22.5°	3622.7	3602.1	3635.5	3608.5	3370.8	3161.3	3027.7	2912.0	2847.8	2822.1
3969.6	25°	3908.0	3883.5	3874.5	3707.5	3324.5	3046.9	2829.8	2689.7	2633.2	2619.0
4456.7	27.5°	4338.5	4276.8	4159.8	3761.5	3239.7	2867.0	2598.5	2468.7	2436.5	2437.8
5082.5	30°	4911.6	4788.2	4501.7	3770.5	3100.9	2612.6	2362.0	2269.5	2254.0	2260.5
5608.1	32.5°	5442.4	5325.4	4851.2	3729.3	2887.6	2363.3	2150.0	2088.3	2065.1	2072.9
6009.1	35°	5858.7	5826.6	5175.1	3671.5	2625.4	2129.4	1959.8	1907.1	1862.1	1851.8
6386.9	37.5°	6252.0	6239.1	5417.9	3590.5	2365.9	1963.6	1806.8	1737.4	1671.9	1635.9
6804.6	40°	6683.8	6670.9	5577.3	3465.9	2135.8	1819.7	1669.3	1578.1	1497.1	1431.6
7277.5	42.5°	7169.5	7093.7	5653.1	3287.3	1940.5	1697.6	1557.5	1434.2	1327.5	1267.1
7812.1	45°	7700.3	7529.3	5651.8	3059.8	1776.0	1585.8	1438.0	1263.2	1164.3	1107.7
8360.8	47.5°	8263.1	7945.7	5582.4	2807.9	1616.6	1462.4	1253.0	1119.3	1053.8	1019.1
8957.1	50°	8844.0	8335.1	5464.2	2518.8	1453.4	1322.4	1137.3	1046.1	995.9	963.8
9548.2	52.5°	9390.2	8688.5	5321.6	2191.1	1287.7	1186.1	1085.9	1015.2	962.5	926.6
10121.4	55°	9897.8	8993.1	5119.8	1855.7	1152.7	1094.9	1061.5	1002.4	942.0	899.6
10703.5	57.5°	10348.8	9191.0	4771.5	1540.8	1056.3	1031.9	1035.8	980.5	911.1	875.1
11276.7	60°	10724.1	9336.2	4256.2	1249.1	978.0	970.2	995.9	939.4	858.4	817.3
11761.1	62.5°	10949.0	9333.6	3624.0	1022.9	911.1	913.7	943.3	888.0	805.8	767.2
12014.3	65°	10929.7	9104.9	2930.0	875.1	846.9	849.4	888.0	831.5	762.1	738.9
11887.1	67.5°	10542.9	8547.1	2247.6	778.8	776.2	787.8	832.7	792.9	735.1	732.5
11128.9	70°	9495.5	7389.3	1619.2	701.7	702.9	719.7	778.8	768.5	720.9	726.1
9356.7	72.5°	7614.2	5633.8	1087.2	620.7	622.0	649.0	727.4	749.2	706.8	774.9
6638.8	75°	5071.0	3513.4	699.1	534.6	535.9	570.6	682.4	711.9	668.2	772.3
3454.3	77.5°	2436.5	1579.4	506.3	449.8	449.8	481.9	589.9	637.4	569.3	600.1
1110.3	80°	841.7	593.7	398.4	362.4	354.7	376.5	497.3	552.6	490.9	452.4
362.4	82.5°	331.6	308.4	320.0	281.4	255.7	269.9	386.8	456.2	361.1	326.4
204.3	85°	190.2	200.5	226.2	186.3	147.8	165.8	284.0	327.7	272.4	240.3
66.8	87.5°	51.4	70.7	104.1	96.4	66.8	70.7	134.9	181.2	156.8	120.8
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>
2712.8
2782.2
2892.7
3026.4
3149.8
3193.5
3194.7
3138.2
3005.8
2818.2
2621.6
2441.7
2282.3
2083.1
1859.5
1637.2
1438.0
1271.0
1105.2
1011.4
952.3
911.1
882.9
852.0
799.3
755.6
737.6
736.4
724.8
785.2
778.8
550.0
424.1
325.1
245.5
124.7
0.0

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