

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: P952322

Luminaire Tested: **GALN-SB6A-950-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952322  
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-SB6A-950-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

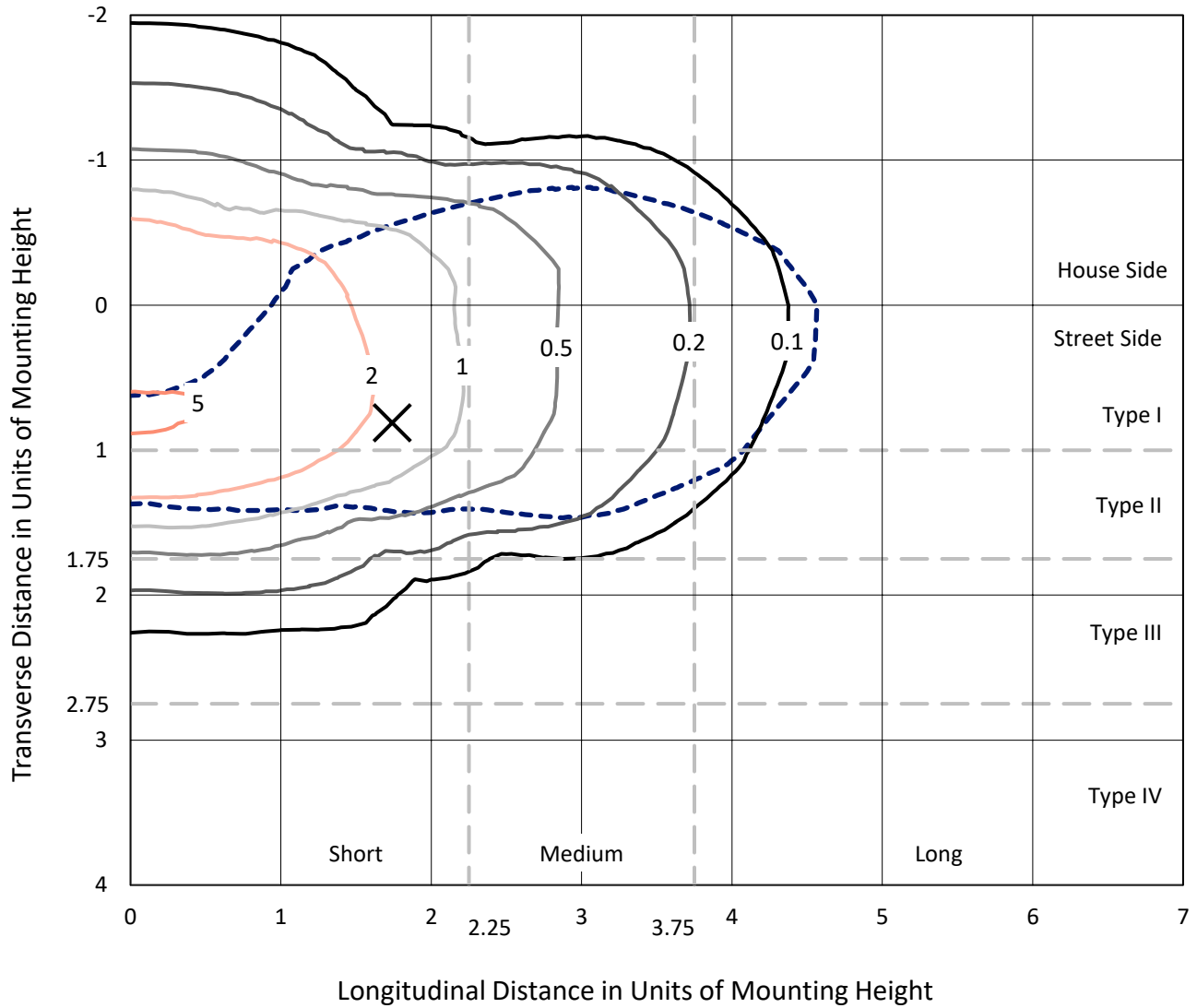
Lumens per Lamp: N/A  
Luminaire Lumens: 19177 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

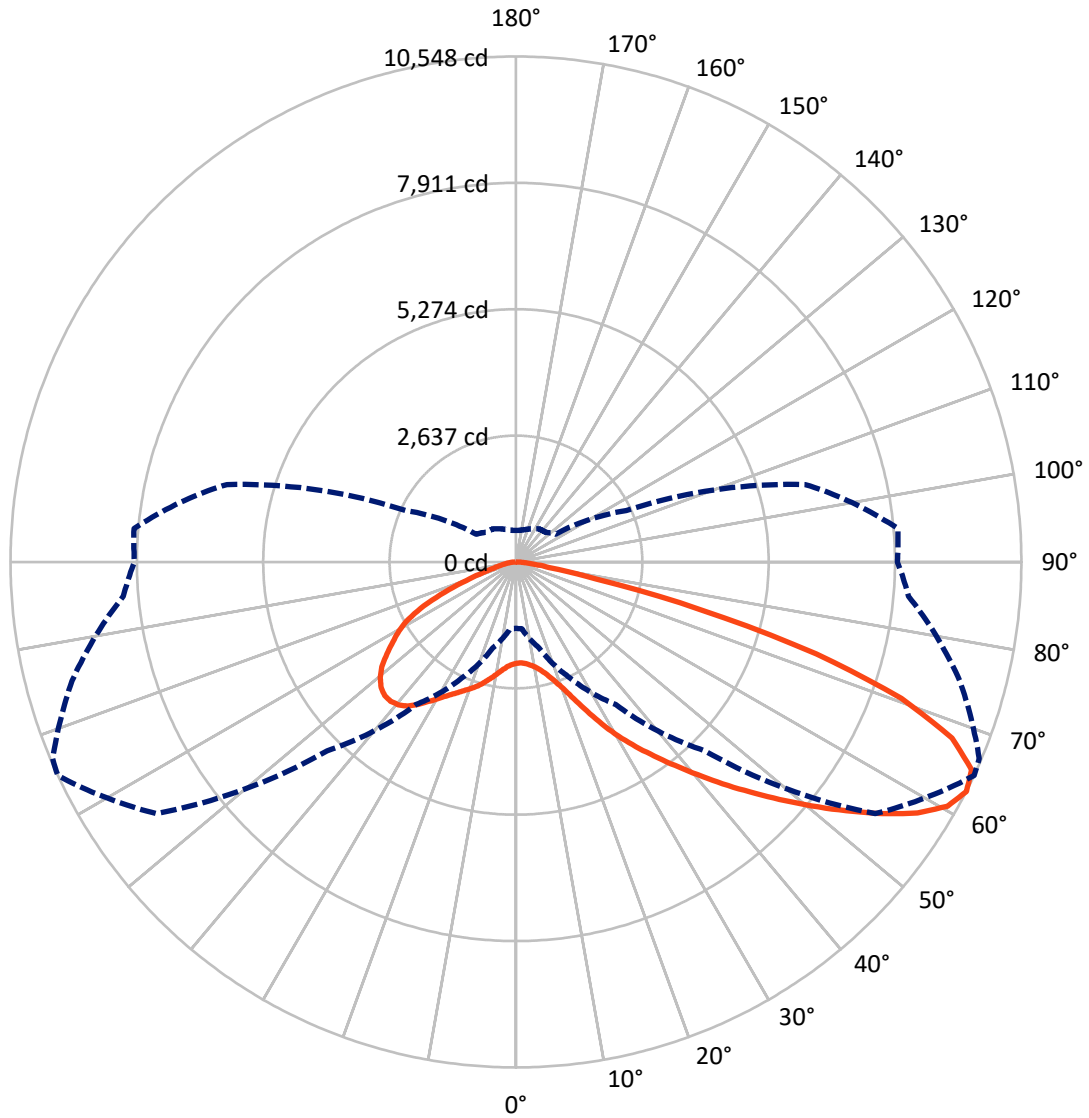
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6051.4	0.0	6051.4
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	13125.6	0.0	13125.6
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	19177.0	0.0	19177.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.7	1.1
10°-20°	714.5	3.7
20°-30°	1448.6	7.6
30°-40°	2506.8	13.1
40°-50°	3793.6	19.8
50°-60°	4447.8	23.2
60°-70°	3728.9	19.4
70°-80°	2058.7	10.7
80°-90°	267.4	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°	19177.0	100.0
0°-180°	19177.0	100.0



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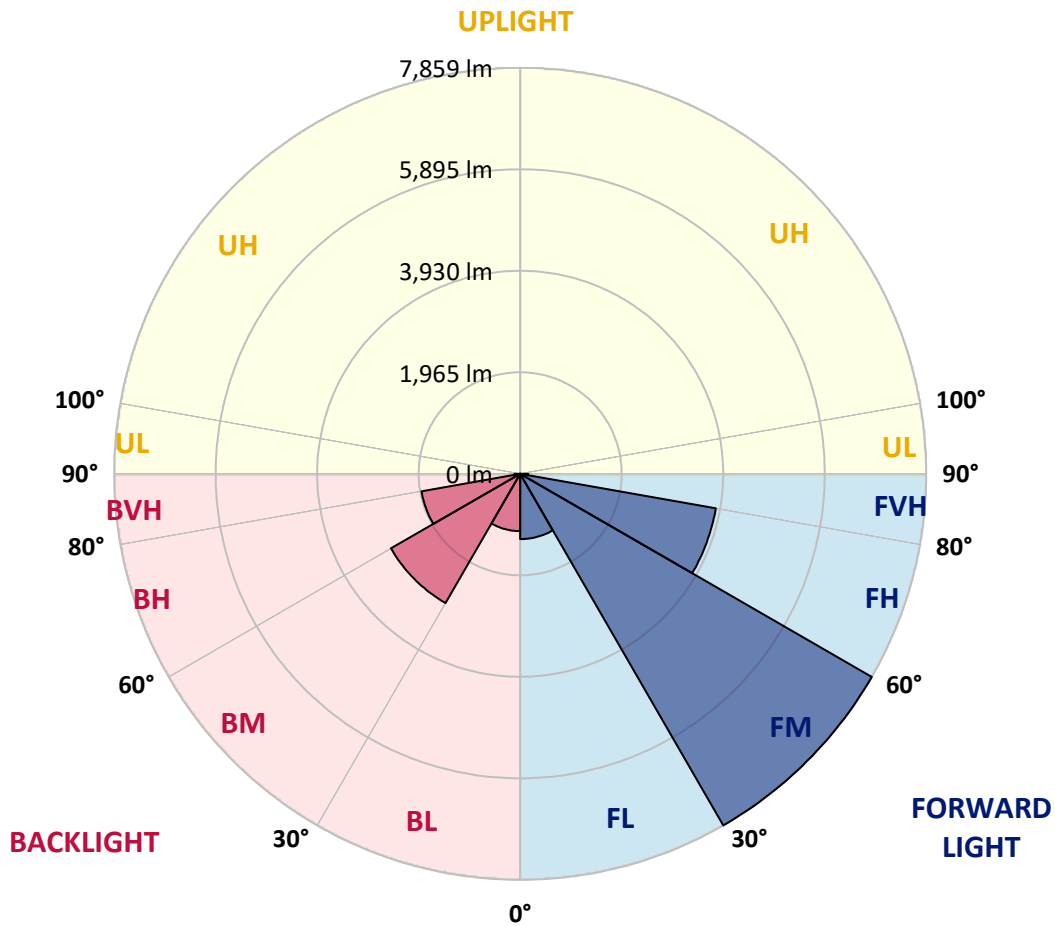
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.0	6.6			
FM (30°-60°)	7859.4	41.0			
FH (60°-80°)	3846.3	20.1			G2/5000
FVH (80°-90°)	155.9	0.8			G2/225
BL (0°-30°)	1109.8	5.8	B3/2500		
BM (30°-60°)	2888.9	15.1	B3/5000		
BH (60°-80°)	1941.2	10.1	B3/2500		G3/2500
BVH (80°-90°)	111.6	0.6			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 II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2
2.5°	2099.3	2093.3	2098.3	2098.3	2100.3	2099.3	2106.3	2108.2	2111.2	2117.2
5°	2078.4	2077.4	2086.4	2094.3	2102.3	2109.2	2118.2	2131.1	2133.1	2140.1
7.5°	2071.4	2065.5	2079.4	2089.3	2108.2	2125.2	2149.0	2170.9	2179.9	2182.9
10°	2125.2	2115.2	2128.1	2134.1	2150.0	2166.9	2194.8	2229.6	2239.6	2251.5
12.5°	2216.7	2205.8	2224.7	2233.6	2248.5	2263.5	2282.4	2316.2	2321.2	2343.1
15°	2342.1	2329.1	2341.1	2352.0	2376.9	2390.8	2409.7	2442.5	2442.5	2459.5
17.5°	2512.2	2495.3	2504.2	2508.2	2524.1	2545.0	2576.9	2605.7	2620.6	2614.7
20°	2765.9	2745.0	2745.0	2725.1	2719.1	2736.0	2777.8	2817.6	2833.5	2802.7
22.5°	3147.0	3117.1	3100.2	3032.5	3005.7	3007.7	3049.4	3098.2	3111.1	3056.4
25°	3631.5	3584.7	3561.8	3462.3	3401.7	3348.9	3381.8	3444.4	3462.3	3394.7
27.5°	4116.0	4119.0	4097.1	3977.7	3877.2	3780.7	3763.8	3829.5	3848.4	3771.8
30°	4795.5	4724.9	4683.1	4539.8	4396.6	4261.3	4191.6	4218.5	4223.5	4131.9
32.5°	5381.6	5363.6	5274.1	5148.7	4964.7	4752.8	4636.4	4593.6	4585.6	4455.3
35°	6049.1	6039.2	5944.7	5795.4	5596.5	5302.0	5092.0	4969.7	4959.7	4776.6
37.5°	6727.7	6727.7	6635.2	6472.0	6266.0	5897.9	5578.5	5384.5	5352.7	5113.9
40°	7268.9	7236.1	7253.0	7184.4	6948.6	6557.6	6118.8	5837.2	5794.4	5507.9
42.5°	7576.4	7565.4	7666.9	7743.5	7647.0	7334.6	6713.8	6327.7	6268.0	5941.7
45°	7645.0	7633.1	7814.1	8094.7	8230.0	8101.7	7360.5	6844.1	6771.5	6395.4
47.5°	7486.8	7462.9	7728.6	8171.3	8605.1	8831.0	8060.9	7404.2	7298.8	6837.1
50°	7011.2	6988.4	7390.3	7978.3	8731.5	9326.4	8821.0	7998.2	7837.0	7310.7
52.5°	5977.5	5988.5	6618.2	7426.1	8565.3	9634.9	9475.7	8624.0	8430.0	7795.2
55°	4656.3	4680.1	5454.2	6343.6	7900.7	9588.1	9922.4	9268.7	9075.7	8250.9
57.5°	3334.0	3439.5	4164.8	5045.3	6624.2	8846.9	10019.9	9881.6	9694.6	8748.4
60°	2161.0	2179.9	2926.1	3813.6	5044.3	7529.6	9821.9	10346.2	10200.0	9255.8
62.5°	1384.9	1397.9	1852.6	2667.4	3630.5	5570.6	9155.3	10548.2	10503.4	9591.1
65°	1017.8	1007.9	1244.7	1763.0	2445.5	3435.5	7860.9	10450.7	10539.2	9801.0
67.5°	849.7	835.7	952.1	1220.8	1801.8	1951.0	5816.3	9816.9	10141.3	9777.1
70°	774.1	762.1	832.8	906.4	1405.8	1306.3	2932.0	8534.5	9033.9	9505.5
72.5°	655.7	634.8	731.3	804.9	1093.4	1001.9	1211.8	6555.6	7164.5	8635.0
75°	508.4	494.5	577.1	708.4	821.8	782.0	766.1	3980.7	4645.3	6677.9
77.5°	402.9	384.0	459.7	552.2	739.2	590.0	558.2	1714.3	2372.9	4263.3
80°	303.5	286.5	349.2	436.8	568.1	444.7	361.2	699.4	894.4	2160.0
82.5°	215.9	201.0	243.8	320.4	382.1	399.0	221.9	392.0	440.8	832.8
85°	138.3	129.3	163.2	201.0	242.8	256.7	135.3	205.0	224.9	343.2
87.5°	75.6	61.7	87.6	93.5	112.4	102.5	64.7	74.6	80.6	124.4
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°
2113.2	0°	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2	2113.2
2117.2	2.5°	2121.2	2124.2	2134.1	2137.1	2144.1	2153.0	2159.0	2165.0	2165.0	2170.9
2149.0	5°	2150.0	2157.0	2177.9	2188.8	2206.7	2224.7	2235.6	2248.5	2256.5	2260.5
2199.8	7.5°	2205.8	2216.7	2246.5	2265.4	2296.3	2321.2	2338.1	2356.0	2360.0	2370.9
2270.4	10°	2281.4	2294.3	2328.1	2363.9	2400.8	2431.6	2447.5	2460.5	2465.4	2467.4
2361.0	12.5°	2367.9	2386.8	2430.6	2474.4	2513.2	2540.0	2544.0	2541.0	2527.1	2515.2
2472.4	15°	2474.4	2491.3	2540.0	2587.8	2625.6	2630.6	2605.7	2589.8	2572.9	2569.9
2596.8	17.5°	2601.7	2610.7	2655.5	2702.2	2705.2	2688.3	2651.5	2636.6	2620.6	2609.7
2758.9	20°	2750.0	2747.0	2778.8	2798.7	2777.8	2726.1	2670.4	2645.5	2629.6	2616.7
2957.9	22.5°	2927.1	2904.2	2900.2	2895.2	2839.5	2731.1	2655.5	2623.6	2598.7	2580.8
3235.5	25°	3184.8	3097.2	3036.5	3002.7	2877.3	2704.2	2607.7	2537.1	2490.3	2459.5
3574.8	27.5°	3507.1	3359.9	3206.6	3124.1	2877.3	2649.5	2492.3	2377.9	2301.3	2269.4
3903.1	30°	3814.5	3660.3	3434.5	3270.3	2870.4	2559.9	2306.2	2147.0	2057.5	2025.7
4183.7	32.5°	4077.2	3909.1	3676.3	3430.5	2853.4	2414.7	2075.4	1899.3	1812.8	1774.9
4461.2	35°	4321.0	4141.9	3919.0	3606.6	2808.7	2201.8	1821.7	1687.4	1590.9	1530.2
4743.8	37.5°	4570.7	4357.8	4148.8	3765.8	2728.1	1953.0	1626.7	1512.3	1398.9	1317.3
5044.3	40°	4842.3	4587.6	4394.6	3860.3	2595.8	1716.2	1475.5	1371.0	1250.6	1164.1
5390.5	42.5°	5159.7	4863.2	4668.2	3909.1	2414.7	1548.1	1377.0	1274.5	1161.1	1090.4
5761.6	45°	5491.0	5166.6	4917.9	3908.1	2212.7	1469.5	1345.1	1243.7	1118.3	1044.7
6142.7	47.5°	5838.2	5484.0	5133.8	3844.4	2037.6	1480.4	1327.2	1177.0	1038.7	967.1
6527.7	50°	6186.4	5831.3	5342.8	3725.0	1963.0	1456.6	1260.6	1083.5	920.3	855.6
6888.9	52.5°	6531.7	6200.4	5522.8	3554.9	1887.4	1368.0	1175.0	962.1	871.6	826.8
7262.0	55°	6878.9	6565.5	5718.8	3307.1	1698.3	1264.6	1031.7	916.3	832.8	792.0
7627.1	57.5°	7227.1	6987.4	5904.9	3059.4	1460.6	1137.2	953.1	860.6	794.0	759.1
7932.5	60°	7589.3	7469.9	6096.9	2831.6	1225.7	974.0	895.4	815.8	748.2	709.4
8226.0	62.5°	7962.4	8001.2	6247.1	2538.1	1009.8	874.5	843.7	762.1	696.4	659.6
8468.8	65°	8338.5	8513.6	6345.6	2131.1	818.8	780.0	788.0	703.4	636.8	604.9
8646.9	67.5°	8622.0	8882.7	6317.8	1612.8	671.6	690.5	718.3	641.7	579.0	554.2
8618.0	70°	8653.9	8838.9	6043.2	1104.4	562.1	602.9	640.7	581.0	516.4	498.5
8212.1	72.5°	8230.0	8242.0	5278.1	721.3	475.6	529.3	559.1	519.4	456.7	438.8
7184.4	75°	7118.7	6816.2	3875.2	475.6	398.0	454.7	482.5	454.7	394.0	398.0
5375.6	77.5°	5393.5	4827.4	2353.0	338.3	332.3	382.1	419.9	400.0	348.2	391.0
2703.2	80°	2778.8	2611.7	1049.6	252.7	262.7	305.4	345.2	319.4	275.6	262.7
603.9	82.5°	636.8	740.2	413.9	181.1	190.0	219.9	263.7	239.8	198.0	167.1
251.7	85°	222.9	243.8	183.1	113.4	111.4	137.3	179.1	160.2	134.3	107.5
106.5	87.5°	70.6	92.5	68.6	45.8	47.8	61.7	82.6	75.6	62.7	40.8
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>
2113.2
2170.9
2262.5
2366.9
2462.4
2515.2
2569.9
2610.7
2617.6
2586.8
2471.4
2285.3
2044.6
1793.9
1550.1
1339.2
1181.0
1104.4
1056.6
977.0
859.6
826.8
788.0
753.2
706.4
658.6
603.9
555.2
499.5
437.8
384.0
344.2
239.8
165.2
113.4
42.8
0.0

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