

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: P952324

Luminaire Tested: **GALN-SB6A-950-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
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-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19426 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

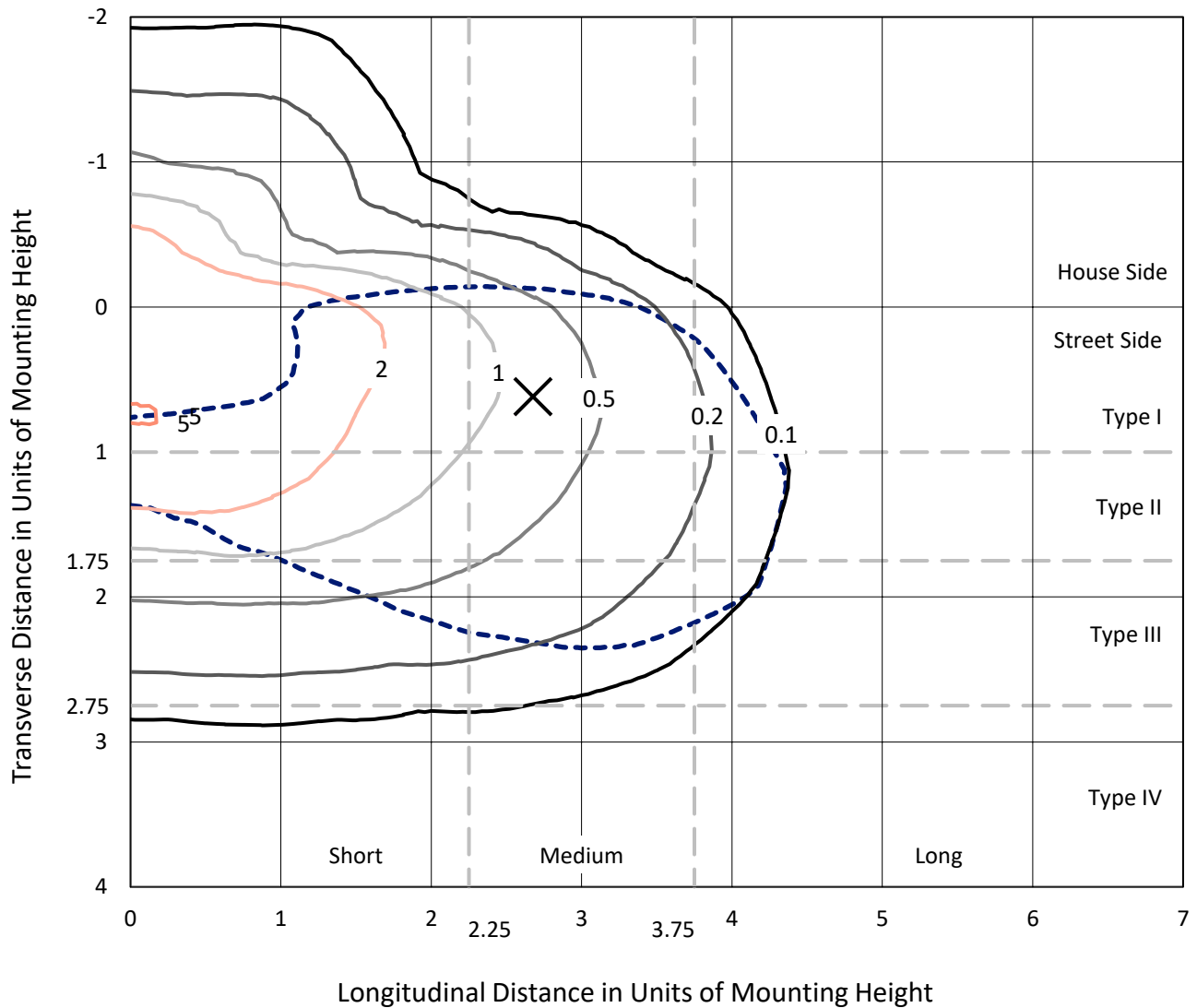
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

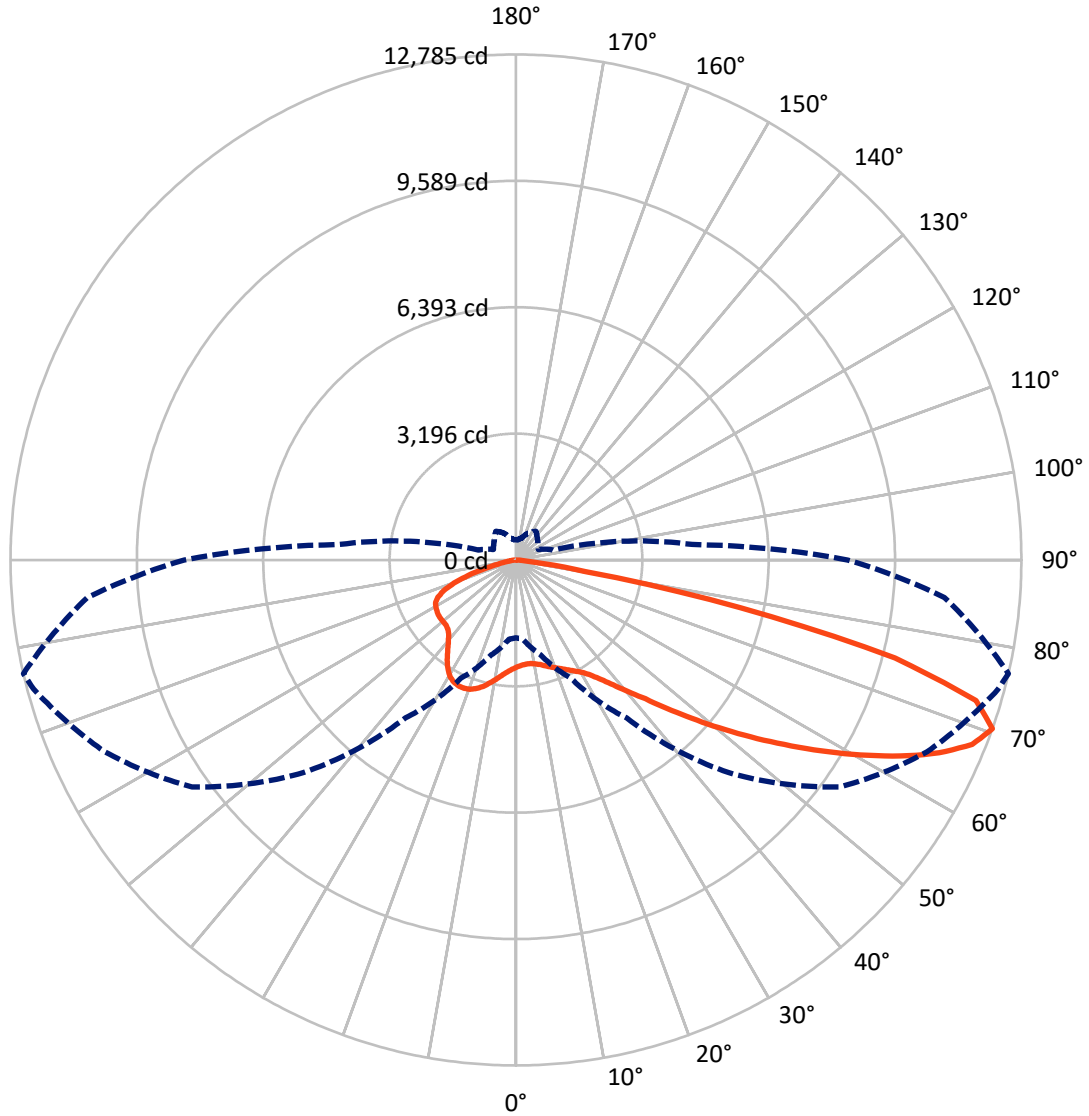
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4254.0	0.0	4254.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	15172.0	0.0	15172.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	19426.0	0.0	19426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.5	1.3
10°-20°	746.0	3.8
20°-30°	1275.7	6.6
30°-40°	2051.5	10.6
40°-50°	3202.9	16.5
50°-60°	4278.3	22.0
60°-70°	4560.0	23.5
70°-80°	2807.1	14.5
80°-90°	246.0	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°	19426.0	100.0
0°-180°	19426.0	100.0

Coefficient of Utilization



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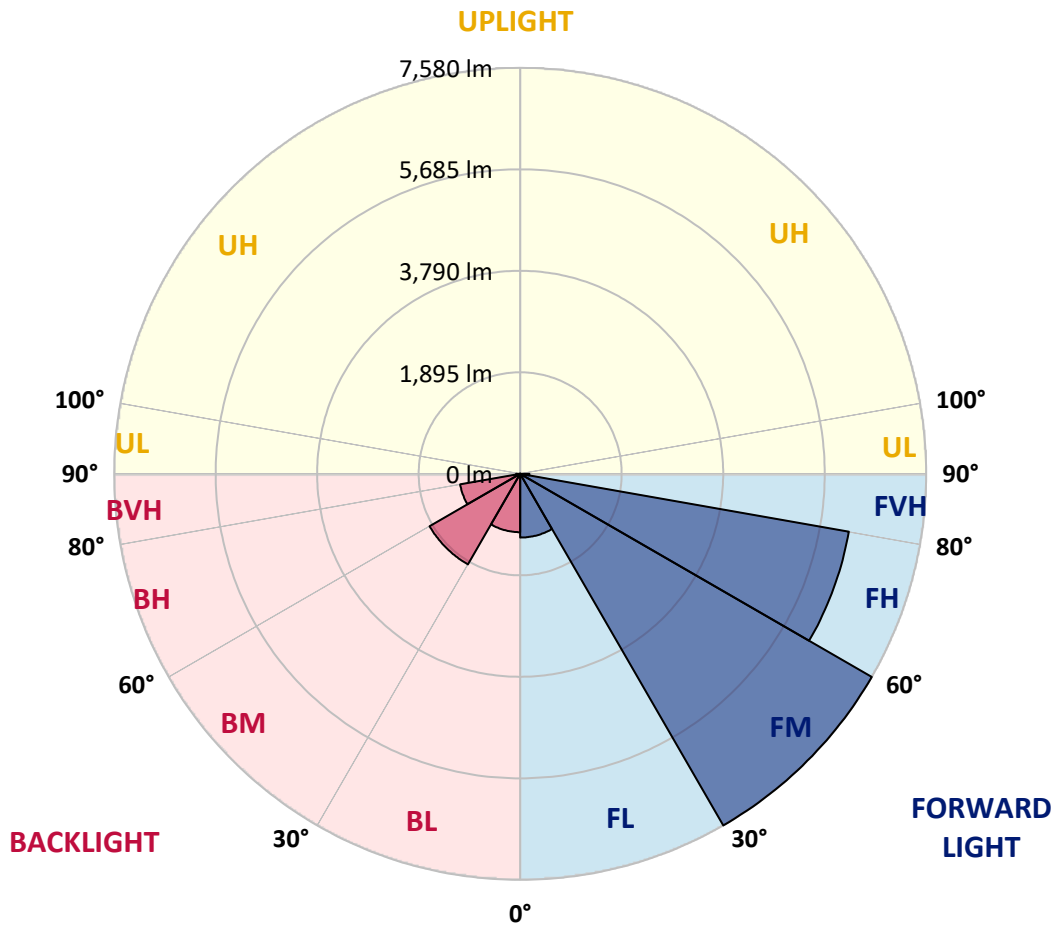
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1190.2	6.1			
FM (30°-60°)	7579.6	39.0			
FH (60°-80°)	6230.2	32.1			G3/7500
FVH (80°-90°)	172.0	0.9			G2/225
BL (0°-30°)	1090.0	5.6	B3/2500		
BM (30°-60°)	1953.1	10.1	B2/2500		
BH (60°-80°)	1136.9	5.9	B3/2500		G3/2500
BVH (80°-90°)	74.0	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1
2.5°	2498.2	2497.2	2510.1	2514.1	2538.0	2554.9	2586.7	2620.6	2664.3	2669.3
5°	2353.9	2353.9	2368.9	2384.8	2415.6	2449.4	2498.2	2556.9	2632.5	2644.4
7.5°	2231.6	2239.5	2252.5	2283.3	2319.1	2367.9	2442.5	2526.0	2625.5	2644.4
10°	2133.1	2142.0	2157.9	2182.8	2236.5	2304.2	2401.7	2509.1	2642.5	2672.3
12.5°	2102.2	2111.2	2120.1	2139.0	2188.8	2268.4	2384.8	2517.1	2683.2	2713.1
15°	2173.9	2184.8	2177.8	2172.9	2198.7	2271.4	2392.7	2545.9	2734.0	2776.8
17.5°	2339.0	2343.0	2327.1	2280.3	2276.3	2315.1	2430.5	2585.7	2797.7	2844.4
20°	2605.6	2598.7	2565.8	2473.3	2420.6	2412.6	2495.2	2645.4	2863.3	2913.1
22.5°	2967.8	2959.8	2894.2	2747.9	2630.5	2552.9	2588.7	2723.0	2936.9	2992.7
25°	3419.5	3408.5	3312.0	3113.0	2931.0	2739.0	2716.1	2825.5	3027.5	3079.2
27.5°	3946.8	3937.8	3833.3	3570.7	3308.0	2993.7	2874.3	2945.9	3122.0	3180.7
30°	4513.9	4539.7	4354.7	4072.1	3739.8	3325.9	3087.2	3094.1	3244.4	3297.1
32.5°	5180.4	5225.2	5002.4	4644.2	4190.5	3687.1	3355.8	3301.1	3422.5	3466.2
35°	5841.1	5891.8	5706.7	5310.8	4788.4	4112.9	3636.4	3538.9	3659.2	3707.0
37.5°	6412.1	6479.8	6384.3	6040.0	5428.2	4626.3	4002.5	3818.4	3950.7	4010.4
40°	6862.8	6966.3	6959.3	6744.4	6182.3	5249.1	4467.1	4163.7	4312.9	4377.6
42.5°	7228.9	7318.5	7396.1	7385.1	6969.3	5956.5	5013.3	4612.4	4725.8	4800.4
45°	7481.6	7577.1	7744.3	7924.4	7726.4	6713.6	5639.1	5144.6	5248.1	5360.5
47.5°	7707.5	7815.9	8032.8	8318.3	8369.1	7473.7	6324.6	5764.4	5859.0	5975.4
50°	7727.4	7820.9	8157.2	8562.1	8825.7	8203.9	7060.8	6459.9	6548.4	6672.8
52.5°	7246.8	7394.1	7981.1	8555.1	9035.7	8814.8	7792.0	7183.2	7282.7	7431.9
55°	5625.2	5841.1	7464.7	8288.5	8961.1	9209.8	8487.5	7952.2	8079.6	8235.8
57.5°	4845.2	4939.7	5925.6	7803.0	8620.8	9312.3	9074.5	8729.2	8934.2	9105.3
60°	4354.7	4433.3	5016.3	7047.9	8173.1	9150.1	9528.1	9453.5	9807.7	10011.7
62.5°	3829.4	3904.0	4434.3	5884.8	7600.0	8880.5	9814.7	10122.1	10703.1	10926.0
65°	3308.0	3371.7	3880.1	4944.6	6871.8	8610.8	9962.9	10700.1	11531.9	11762.7
67.5°	2727.0	2779.7	3260.3	4171.6	5986.3	8241.7	10036.5	11154.8	12253.2	12451.2
70°	1967.9	2008.7	2505.2	3299.1	4875.0	7607.0	10006.7	11477.2	12627.3	12785.4
72.5°	930.2	967.0	1550.1	2142.0	3443.3	6371.3	9402.8	11221.5	12247.2	12168.6
75°	496.5	528.3	890.4	1175.0	1818.7	4367.6	7694.5	9666.4	10284.3	9902.2
77.5°	336.3	361.1	551.2	705.4	830.7	2073.4	4945.6	6692.7	6439.0	5808.2
80°	266.6	292.5	451.7	477.6	401.9	749.2	2043.5	3098.1	2225.6	1779.9
82.5°	204.9	233.8	380.1	346.2	218.9	307.4	594.9	980.0	570.1	433.8
85°	125.4	156.2	298.5	220.9	123.4	140.3	202.0	272.6	174.1	145.3
87.5°	63.7	89.5	151.2	80.6	55.7	32.8	53.7	53.7	45.8	39.8
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°
2710.1	0°	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1
2696.2	2.5°	2720.1	2740.0	2773.8	2805.6	2830.5	2854.4	2878.2	2891.2	2895.2	2911.1
2711.1	5°	2751.9	2788.7	2854.4	2916.0	2954.8	2978.7	2995.6	3005.6	3007.6	3012.6
2751.9	7.5°	2810.6	2869.3	2960.8	3022.5	3051.4	3049.4	3042.4	3017.5	3007.6	2998.6
2811.6	10°	2893.2	2970.8	3083.2	3126.0	3108.1	3060.3	2998.6	2926.0	2892.2	2859.3
2893.2	12.5°	2995.6	3094.1	3204.6	3202.6	3114.0	2991.7	2848.4	2737.0	2666.3	2615.6
2993.7	15°	3120.0	3233.4	3318.0	3250.3	3056.3	2836.5	2626.5	2481.3	2417.6	2361.9
3095.1	17.5°	3248.3	3369.7	3408.5	3235.4	2911.1	2606.6	2368.9	2254.4	2191.8	2161.9
3204.6	20°	3373.7	3494.1	3462.2	3149.8	2690.2	2346.0	2134.1	2071.4	2058.4	2065.4
3311.0	22.5°	3506.0	3613.5	3473.2	2984.7	2408.6	2079.3	1962.9	1964.9	1993.8	2014.7
3422.5	25°	3641.3	3714.0	3444.3	2745.9	2106.2	1883.3	1854.5	1886.3	1943.0	1983.8
3547.8	27.5°	3771.7	3803.5	3381.7	2450.4	1846.5	1743.1	1748.0	1813.7	1899.3	1956.0
3700.0	30°	3918.9	3883.1	3261.3	2118.1	1666.5	1622.7	1664.5	1741.1	1826.6	1877.4
3892.0	32.5°	4085.1	3951.7	3070.3	1810.7	1539.1	1526.2	1594.8	1644.6	1682.4	1697.3
4146.7	35°	4292.0	4048.2	2825.5	1594.8	1424.7	1455.5	1521.2	1496.3	1481.4	1473.4
4489.0	37.5°	4560.6	4178.6	2539.0	1454.5	1332.2	1404.8	1431.7	1354.1	1295.4	1266.5
4903.9	40°	4884.0	4369.6	2263.4	1346.1	1273.5	1361.0	1314.3	1220.7	1146.1	1105.3
5370.5	42.5°	5243.1	4569.6	2031.6	1264.5	1240.6	1325.2	1227.7	1116.3	995.9	983.0
5926.6	45°	5620.2	4775.5	1873.4	1201.8	1224.7	1294.4	1178.0	997.9	912.3	965.1
6484.8	47.5°	5997.2	4964.5	1777.9	1155.1	1216.8	1259.5	1134.2	932.2	871.5	948.1
7082.7	50°	6417.1	5133.7	1735.1	1121.3	1207.8	1245.6	1068.5	915.3	828.8	879.5
7701.5	52.5°	6834.0	5265.0	1703.3	1087.4	1194.9	1234.7	1036.7	895.4	777.0	780.0
8324.3	55°	7249.8	5350.6	1668.4	1042.7	1166.0	1210.8	1033.7	873.5	738.2	724.3
8982.9	57.5°	7693.6	5399.3	1625.7	992.9	1116.3	1150.1	1030.7	856.6	726.3	703.4
9656.5	60°	8145.2	5470.9	1570.0	932.2	1049.6	1077.5	1023.8	850.6	719.3	680.5
10291.2	62.5°	8550.2	5495.8	1503.3	874.5	964.1	1005.8	1008.8	845.7	700.4	633.8
10818.5	65°	8815.8	5388.4	1386.9	808.9	871.5	932.2	980.0	828.8	666.6	599.9
11079.2	67.5°	8804.9	5081.9	1204.8	724.3	782.0	850.6	938.2	799.9	625.8	558.1
10882.2	70°	8395.0	4477.0	974.0	625.8	683.5	763.1	884.5	757.1	577.0	512.4
9676.4	72.5°	7200.1	3504.0	707.4	510.4	569.1	672.6	814.8	705.4	527.3	471.6
7151.3	75°	5143.6	2217.6	479.5	392.0	442.7	570.1	728.3	644.7	481.5	473.6
3581.6	77.5°	2627.5	1059.6	317.4	286.5	308.4	449.7	611.9	576.0	488.5	391.0
1018.8	80°	854.6	391.0	200.0	195.0	204.9	299.5	473.6	472.6	370.1	265.6
246.7	82.5°	272.6	168.1	130.3	125.4	120.4	188.0	330.3	374.1	249.7	168.1
88.5	85°	108.4	100.5	76.6	70.6	50.7	88.5	173.1	248.7	186.0	121.4
22.9	87.5°	39.8	39.8	20.9	14.9	10.9	29.8	46.8	74.6	106.5	62.7
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>
2710.1
2920.0
3020.5
3000.6
2849.4
2603.7
2355.9
2170.9
2062.4
2019.6
1994.8
1969.9
1889.3
1705.3
1481.4
1273.5
1108.3
995.9
992.9
984.0
917.3
800.9
734.2
706.4
683.5
633.8
599.9
561.1
518.3
468.6
446.7
348.2
234.8
167.1
124.4
61.7
0.0

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