

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: P952597

Luminaire Tested: **GALN-SB6B-927-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952597  
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-SB6B-927-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

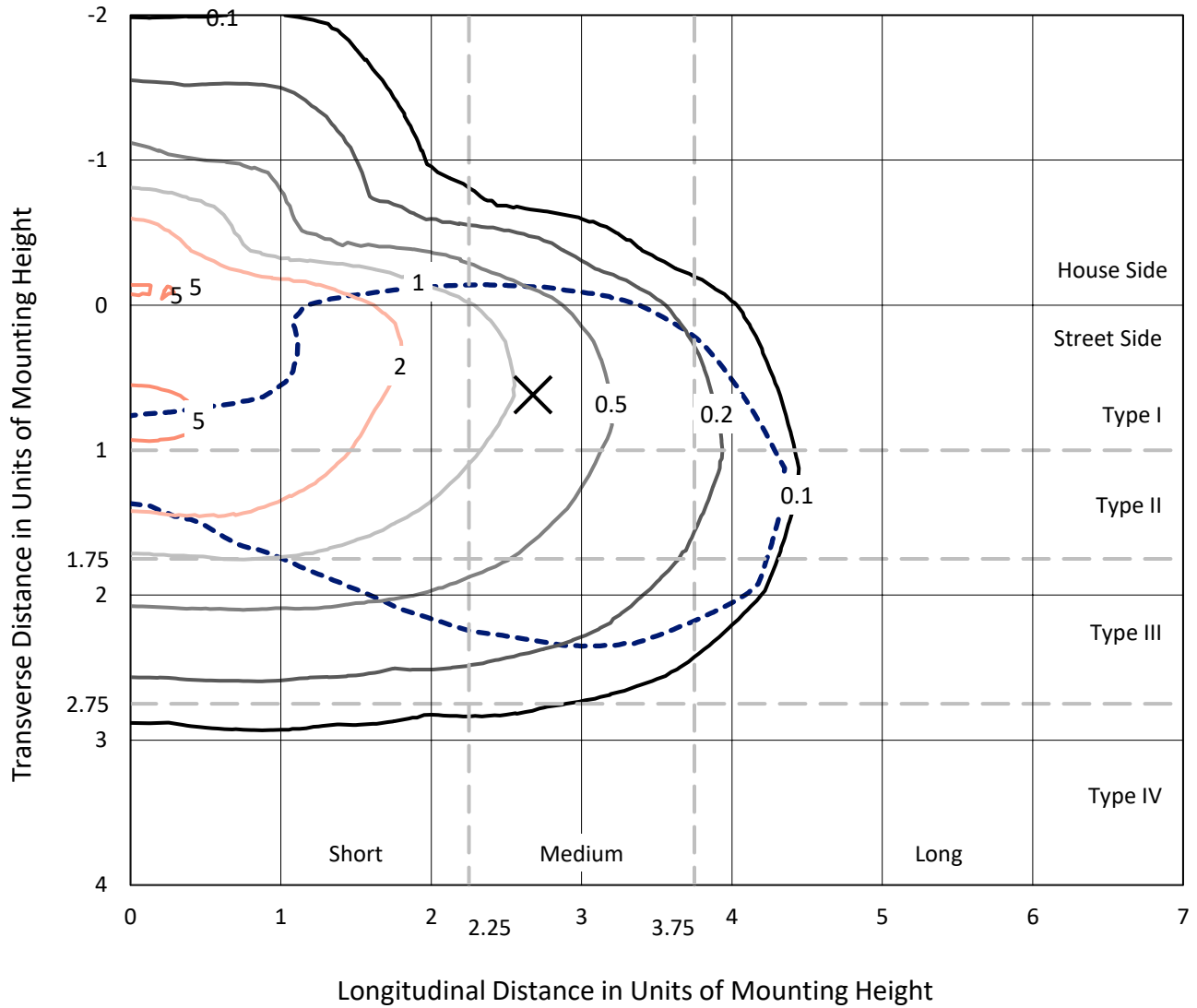
Lumens per Lamp: N/A  
Luminaire Lumens: 21338 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

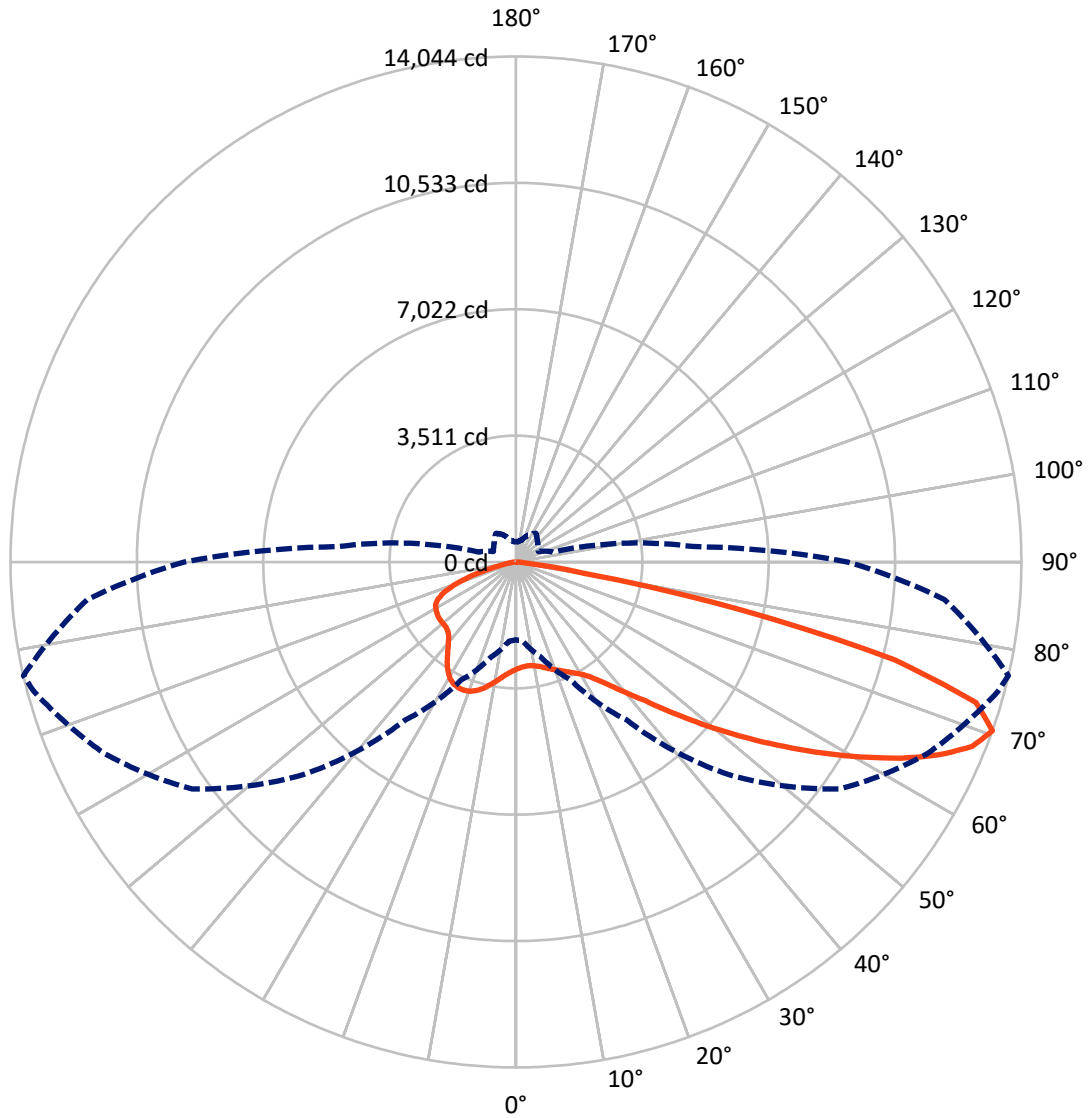
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	4672.7	0.0	4672.7
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	16665.3	0.0	16665.3
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	21338.0	0.0	21338.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.9	1.3
10°-20°	819.4	3.8
20°-30°	1401.3	6.6
30°-40°	2253.4	10.6
40°-50°	3518.1	16.5
50°-60°	4699.4	22.0
60°-70°	5008.8	23.5
70°-80°	3083.4	14.5
80°-90°	270.2	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°	21338.0	100.0
0°-180°	21338.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952597

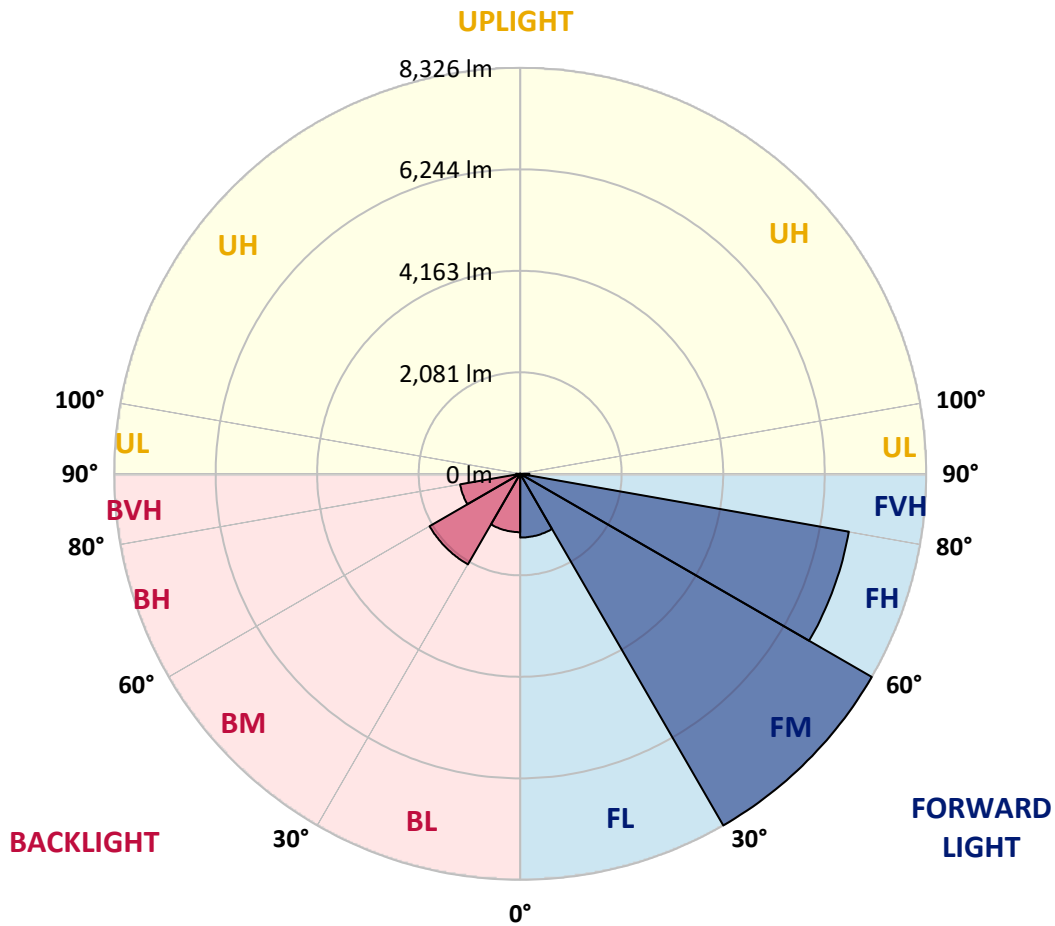
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1307.3	6.1			
FM (30°-60°)	8325.6	39.0			
FH (60°-80°)	6843.5	32.1			G3/7500
FVH (80°-90°)	188.9	0.9			G2/225
BL (0°-30°)	1197.3	5.6	B3/2500		
BM (30°-60°)	2145.3	10.1	B2/2500		
BH (60°-80°)	1248.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	81.3	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°	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8
2.5°	2744.1	2743.0	2757.2	2761.6	2787.8	2806.4	2841.3	2878.5	2926.6	2932.0
5°	2585.6	2585.6	2602.0	2619.5	2653.4	2690.5	2744.1	2808.6	2891.6	2904.7
7.5°	2451.2	2459.9	2474.1	2508.0	2547.4	2600.9	2682.9	2774.7	2884.0	2904.7
10°	2343.0	2352.8	2370.3	2397.7	2456.7	2531.0	2638.1	2756.1	2902.5	2935.3
12.5°	2309.1	2319.0	2328.8	2349.6	2404.2	2491.6	2619.5	2764.8	2947.3	2980.1
15°	2387.8	2399.8	2392.2	2386.7	2415.1	2494.9	2628.2	2796.5	3003.1	3050.1
17.5°	2569.2	2573.6	2556.1	2504.7	2500.4	2543.0	2669.8	2840.2	3073.0	3124.4
20°	2862.1	2854.4	2818.4	2716.8	2658.8	2650.1	2740.8	2905.8	3145.1	3199.8
22.5°	3259.9	3251.1	3179.0	3018.4	2889.4	2804.2	2843.5	2991.1	3226.0	3287.2
25°	3756.0	3744.0	3638.0	3419.4	3219.5	3008.5	2983.4	3103.6	3325.5	3382.3
27.5°	4335.2	4325.4	4210.6	3922.1	3633.6	3288.3	3157.2	3235.8	3429.3	3493.8
30°	4958.1	4986.5	4783.3	4472.9	4107.9	3653.3	3391.0	3398.7	3563.7	3621.6
32.5°	5690.3	5739.5	5494.7	5101.3	4603.0	4050.0	3686.1	3626.0	3759.3	3807.4
35°	6416.0	6471.7	6268.4	5833.5	5259.7	4517.7	3994.3	3887.2	4019.4	4071.9
37.5°	7043.2	7117.5	7012.6	6634.5	5962.4	5081.6	4396.4	4194.2	4339.6	4405.2
40°	7538.3	7651.9	7644.3	7408.2	6790.8	5765.7	4906.8	4573.5	4737.4	4808.4
42.5°	7940.4	8038.8	8124.0	8112.0	7655.2	6542.7	5506.7	5066.3	5190.9	5272.9
45°	8218.0	8322.9	8506.5	8704.3	8486.9	7374.4	6194.1	5651.0	5764.6	5888.1
47.5°	8466.1	8585.2	8823.4	9137.1	9192.8	8209.3	6947.1	6331.8	6435.6	6563.5
50°	8487.9	8590.7	8960.0	9404.8	9694.4	9011.4	7755.8	7095.7	7193.0	7329.6
52.5°	7960.1	8121.8	8766.6	9397.2	9925.0	9682.4	8559.0	7890.2	7999.5	8163.4
55°	6178.8	6416.0	8199.4	9104.3	9843.0	10116.2	9322.9	8734.9	8874.8	9046.4
57.5°	5322.0	5425.9	6508.8	8571.0	9469.3	10228.8	9967.6	9588.4	9813.5	10001.5
60°	4783.3	4869.6	5510.0	7741.5	8977.5	10050.7	10466.0	10384.0	10773.0	10997.1
62.5°	4206.3	4288.2	4870.7	6464.0	8348.1	9754.5	10780.7	11118.4	11756.6	12001.4
65°	3633.6	3703.6	4262.0	5431.3	7548.1	9458.4	10943.5	11753.3	12666.9	12920.4
67.5°	2995.4	3053.3	3581.2	4582.2	6575.5	9052.9	11024.4	12252.7	13459.2	13676.7
70°	2161.6	2206.4	2751.7	3623.8	5354.8	8355.7	10991.6	12606.8	13870.1	14043.8
72.5°	1021.8	1062.2	1702.6	2352.8	3782.3	6998.4	10328.3	12325.9	13452.6	13366.3
75°	545.3	580.3	978.1	1290.6	1997.7	4797.5	8451.9	10617.9	11296.5	10876.9
77.5°	369.4	396.7	605.4	774.8	912.5	2277.4	5432.4	7351.4	7072.7	6379.9
80°	292.9	321.3	496.1	524.6	441.5	822.9	2244.7	3403.0	2444.6	1955.1
82.5°	225.1	256.8	417.5	380.3	240.4	337.7	653.5	1076.4	626.2	476.5
85°	137.7	171.6	327.8	242.6	135.5	154.1	221.8	299.4	191.2	159.6
87.5°	69.9	98.4	166.1	88.5	61.2	36.1	59.0	59.0	50.3	43.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952597  
 CATALOG NUMBER: GALN-SB6B-927-U-T3R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2976.8	0°	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8	2976.8
2961.5	2.5°	2987.8	3009.6	3046.8	3081.8	3109.1	3135.3	3161.5	3175.7	3180.1	3197.6
2977.9	5°	3022.7	3063.2	3135.3	3203.1	3245.7	3271.9	3290.5	3301.4	3303.6	3309.1
3022.7	7.5°	3087.2	3151.7	3252.2	3320.0	3351.7	3349.5	3341.8	3314.5	3303.6	3293.8
3088.3	10°	3177.9	3263.2	3386.7	3433.6	3414.0	3361.5	3293.8	3214.0	3176.8	3140.8
3177.9	12.5°	3290.5	3398.7	3520.0	3517.8	3420.5	3286.1	3128.7	3006.4	2928.8	2873.0
3288.3	15°	3427.1	3551.7	3644.6	3570.2	3357.1	3115.6	2885.0	2725.5	2655.6	2594.4
3399.8	17.5°	3568.1	3701.4	3744.0	3553.9	3197.6	2863.2	2602.0	2476.3	2407.5	2374.7
3520.0	20°	3705.8	3838.0	3803.0	3459.9	2955.0	2576.9	2344.1	2275.3	2261.0	2268.7
3636.9	22.5°	3851.1	3969.1	3815.0	3278.5	2645.7	2284.0	2156.1	2158.3	2190.0	2213.0
3759.3	25°	3999.7	4079.5	3783.3	3016.2	2313.5	2068.7	2037.0	2072.0	2134.3	2179.1
3897.0	27.5°	4142.9	4177.9	3714.5	2691.6	2028.3	1914.6	1920.1	1992.2	2086.2	2148.5
4064.2	30°	4304.6	4265.3	3582.3	2326.6	1830.5	1782.4	1828.3	1912.4	2006.4	2062.2
4275.1	32.5°	4487.1	4340.7	3372.4	1988.9	1690.6	1676.4	1751.8	1806.4	1848.0	1864.4
4554.9	35°	4714.4	4446.7	3103.6	1751.8	1564.9	1598.8	1670.9	1643.6	1627.2	1618.5
4930.8	37.5°	5009.5	4589.9	2788.9	1597.7	1463.3	1543.1	1572.6	1487.3	1422.9	1391.2
5386.5	40°	5364.7	4799.7	2486.2	1478.6	1398.8	1495.0	1443.6	1340.9	1258.9	1214.1
5899.1	42.5°	5759.2	5019.3	2231.5	1389.0	1362.7	1455.6	1348.5	1226.1	1093.9	1079.7
6509.9	45°	6173.3	5245.5	2057.8	1320.1	1345.3	1421.8	1293.9	1096.1	1002.1	1060.0
7123.0	47.5°	6587.5	5453.2	1952.9	1268.8	1336.5	1383.5	1245.8	1024.0	957.3	1041.5
7779.8	50°	7048.7	5639.0	1905.9	1231.6	1326.7	1368.2	1173.7	1005.4	910.3	966.1
8459.5	52.5°	7506.6	5783.2	1870.9	1194.5	1312.5	1356.2	1138.7	983.5	853.5	856.8
9143.6	55°	7963.4	5877.2	1832.7	1145.3	1280.8	1330.0	1135.4	959.5	810.9	795.6
9867.1	57.5°	8450.8	5930.7	1785.7	1090.6	1226.1	1263.3	1132.2	940.9	797.8	772.6
10606.9	60°	8946.9	6009.4	1724.5	1024.0	1152.9	1183.5	1124.5	934.4	790.1	747.5
11304.1	62.5°	9391.7	6036.7	1651.3	960.6	1058.9	1104.8	1108.1	928.9	769.3	696.1
11883.3	65°	9683.5	5918.7	1523.4	888.5	957.3	1024.0	1076.4	910.3	732.2	659.0
12169.7	67.5°	9671.5	5582.1	1323.4	795.6	859.0	934.4	1030.5	878.6	687.4	613.1
11953.3	70°	9221.2	4917.7	1069.9	687.4	750.8	838.2	971.5	831.6	633.8	562.8
10628.8	72.5°	7908.7	3848.9	777.0	560.6	625.1	738.7	895.0	774.8	579.2	518.0
7855.2	75°	5649.9	2435.9	526.7	430.6	486.3	626.2	799.9	708.1	528.9	520.2
3934.2	77.5°	2886.1	1163.9	348.6	314.7	338.8	494.0	672.1	632.7	536.6	429.5
1119.0	80°	938.7	429.5	219.7	214.2	225.1	328.9	520.2	519.1	406.5	291.8
271.0	82.5°	299.4	184.7	143.2	137.7	132.2	206.5	362.8	410.9	274.3	184.7
97.3	85°	119.1	110.4	84.1	77.6	55.7	97.3	190.2	273.2	204.4	133.3
25.1	87.5°	43.7	43.7	22.9	16.4	12.0	32.8	51.4	82.0	116.9	68.8
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>
2976.8
3207.4
3317.8
3295.9
3129.8
2859.9
2587.8
2384.5
2265.4
2218.4
2191.1
2163.8
2075.3
1873.1
1627.2
1398.8
1217.4
1093.9
1090.6
1080.8
1007.6
879.7
806.5
775.9
750.8
696.1
659.0
616.4
569.4
514.7
490.7
382.5
257.9
183.6
136.6
67.8
0.0

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