

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: P952134

Luminaire Tested: **GALN-SB6A-827-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-827-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

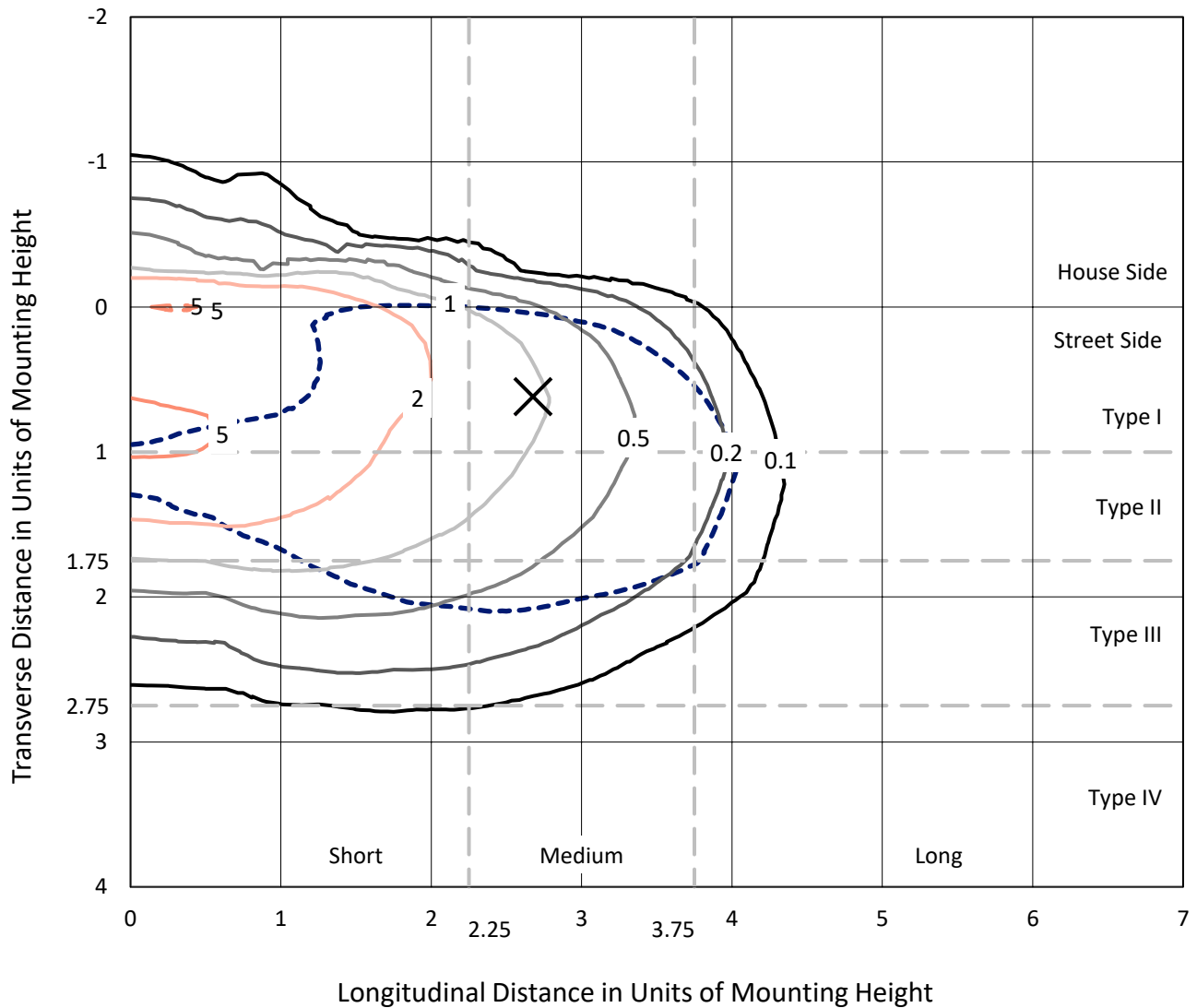
Lumens per Lamp: N/A  
Luminaire Lumens: 19693 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): 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

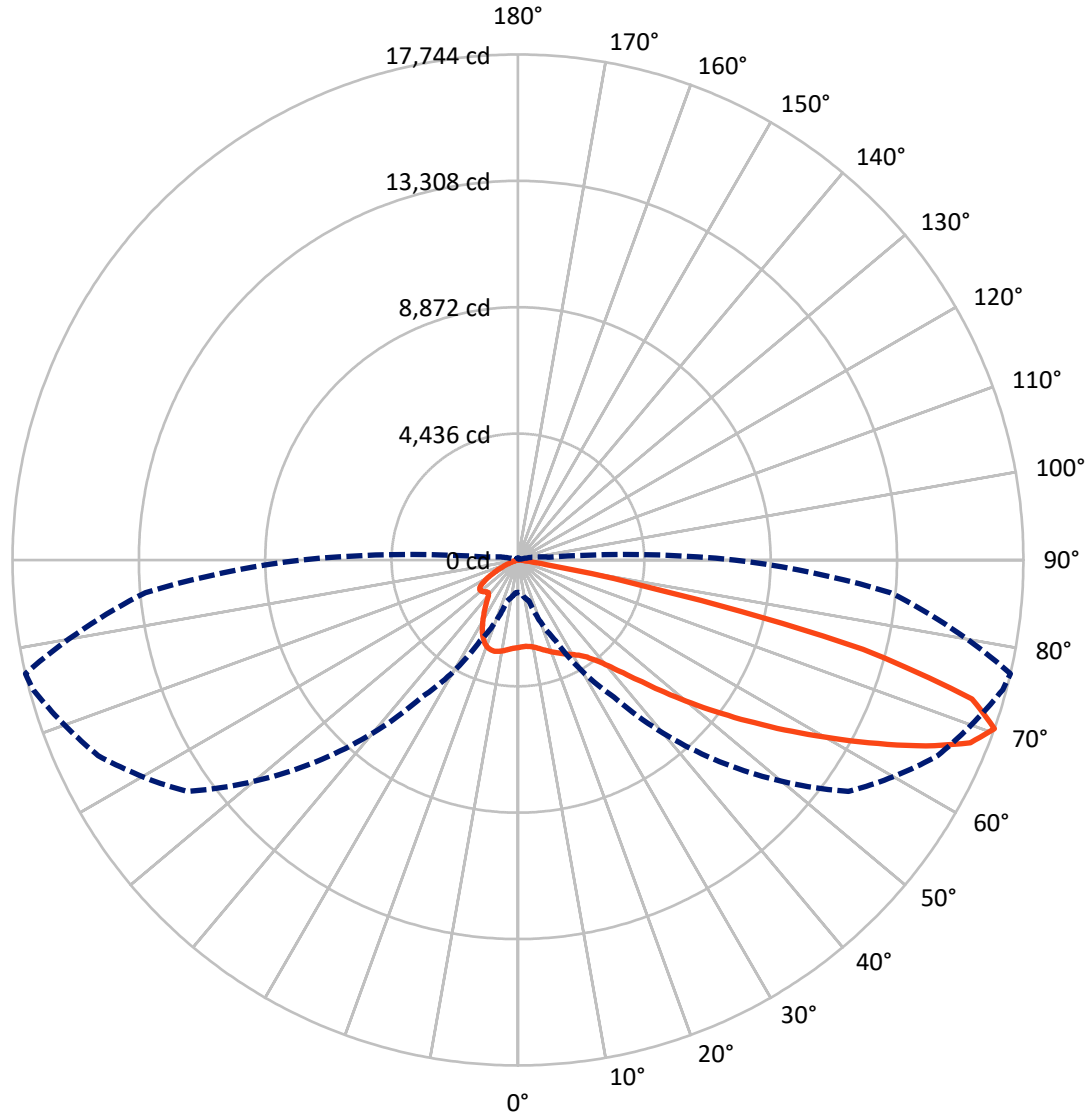
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2075.9	0.0	2075.9
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	17617.1	0.0	17617.1
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	19693.0	0.0	19693.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.7	1.3
10°-20°	628.5	3.2
20°-30°	972.0	4.9
30°-40°	1763.8	9.0
40°-50°	3329.4	16.9
50°-60°	4810.7	24.4
60°-70°	5120.9	26.0
70°-80°	2713.7	13.8
80°-90°	89.1	0.5
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°	19693.0	100.0
0°-180°	19693.0	100.0

**Coefficient of Utilization**



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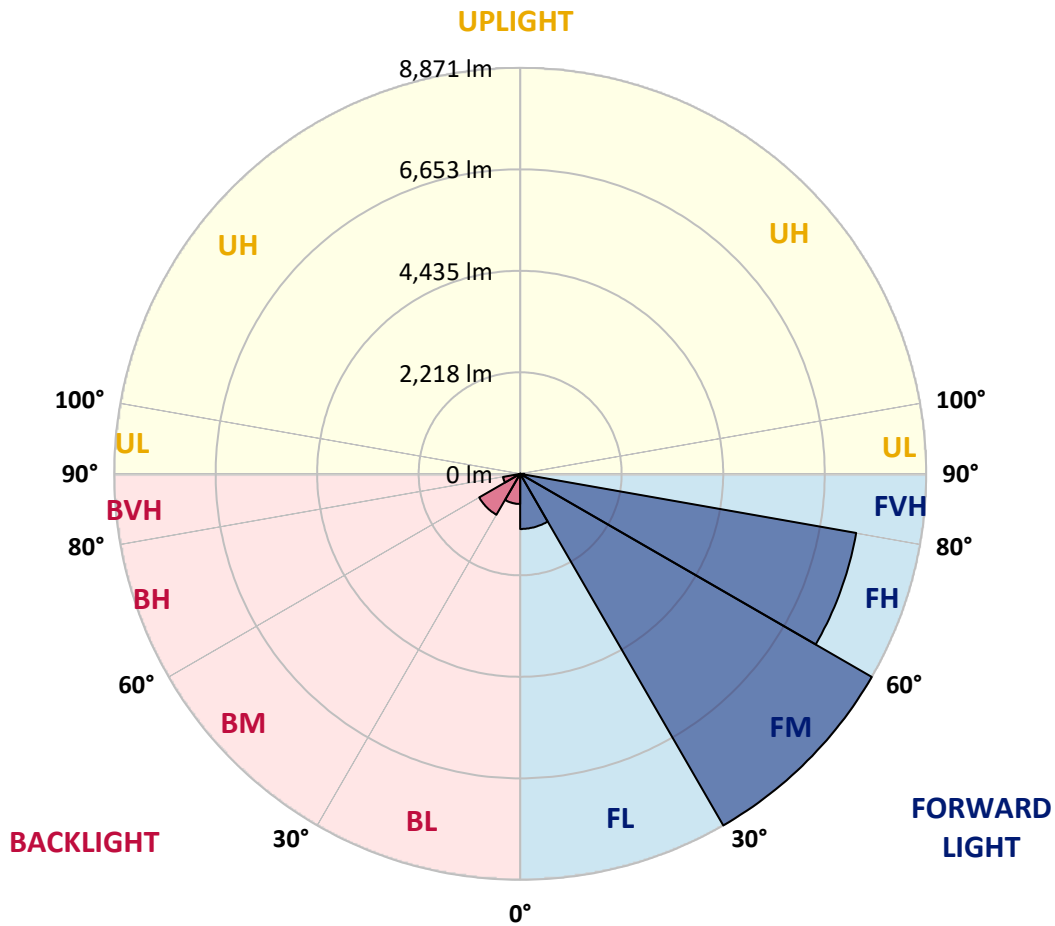
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1205.7	6.1			
FM (30°-60°)	8870.6	45.0			
FH (60°-80°)	7454.1	37.9			G3/7500
FVH (80°-90°)	86.7	0.4			G1/100
BL (0°-30°)	659.6	3.3	B2/1000		
BM (30°-60°)	1033.4	5.2	B2/2500		
BH (60°-80°)	380.6	1.9	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8
2.5°	2884.0	2910.1	2906.4	2923.8	2930.0	2954.9	2979.7	3013.3	3050.6	3049.4
5°	2721.1	2747.2	2753.4	2777.0	2806.9	2845.4	2896.4	2963.6	3033.2	3044.4
7.5°	2528.3	2555.6	2571.8	2619.1	2673.8	2753.4	2836.7	2935.0	3050.6	3066.8
10°	2335.5	2360.4	2381.5	2448.7	2535.8	2653.9	2789.4	2931.2	3086.7	3110.3
12.5°	2216.1	2239.8	2263.4	2321.8	2430.0	2574.3	2758.4	2948.6	3146.4	3179.9
15°	2173.9	2195.0	2213.7	2265.9	2366.6	2530.8	2752.1	2984.7	3222.2	3267.0
17.5°	2180.1	2191.3	2203.7	2243.5	2341.7	2510.9	2763.3	3046.9	3311.8	3351.6
20°	2216.1	2222.4	2223.6	2251.0	2338.0	2508.4	2785.7	3106.6	3396.3	3449.8
22.5°	2262.2	2264.6	2262.2	2280.8	2361.6	2527.0	2815.6	3178.7	3490.9	3540.6
25°	2477.3	2430.0	2370.3	2334.3	2401.4	2563.1	2860.3	3275.7	3594.1	3642.6
27.5°	3145.1	3009.6	2795.7	2555.6	2483.5	2615.3	2922.5	3374.0	3698.5	3742.1
30°	4229.6	4051.7	3688.6	3147.6	2747.2	2724.8	3003.4	3472.2	3809.2	3856.5
32.5°	5316.5	5273.0	4853.9	4105.2	3340.4	2968.5	3137.7	3605.3	3956.0	3993.3
35°	6415.9	6327.6	5984.3	5244.4	4254.4	3464.7	3361.5	3779.4	4148.7	4191.0
37.5°	7257.8	7204.3	6991.7	6382.3	5338.9	4230.8	3744.6	4049.2	4428.5	4475.8
40°	8001.5	7976.6	7904.5	7502.8	6551.4	5233.2	4340.2	4467.1	4816.6	4872.5
42.5°	8586.0	8644.4	8685.5	8573.5	7801.3	6377.3	5141.1	5054.1	5357.5	5414.7
45°	9184.2	9204.1	9369.5	9531.1	9042.4	7573.7	6044.0	5741.8	6030.3	6101.2
47.5°	9568.4	9648.0	9939.0	10223.8	10085.8	8760.1	7014.0	6553.9	6810.1	6943.2
50°	9597.0	9747.5	10148.0	10644.2	10845.6	9889.3	8068.6	7479.2	7751.5	7898.3
52.5°	9120.7	9354.5	9975.1	10701.4	11256.0	10845.6	9159.3	8404.4	8753.9	8945.4
55°	6992.9	7298.8	9324.7	10390.5	11272.2	11570.7	10221.3	9368.2	9870.6	10087.0
57.5°	6092.5	6246.7	7331.2	9850.7	10972.5	11862.9	11181.4	10286.0	11085.7	11354.3
60°	5069.0	5271.7	6148.5	8967.8	10565.8	11891.5	12029.6	11469.9	12402.7	12704.9
62.5°	3444.8	3665.0	4536.7	7450.6	10009.9	11877.9	12724.8	12688.7	13866.4	14191.0
65°	2134.1	2272.1	2846.7	6083.8	9232.7	11892.8	13452.3	14168.6	15411.0	15740.6
67.5°	1686.4	1749.8	2049.5	4671.1	7893.3	11557.0	14178.6	15560.2	16864.8	17126.0
70°	1132.9	1171.5	1491.1	3131.4	5872.4	10007.4	14164.9	16259.1	17613.5	17744.0
72.5°	596.9	626.8	871.8	1450.1	3546.8	7113.5	11940.0	15423.4	16868.5	16672.0
75°	298.5	348.2	587.0	736.2	1514.7	3967.2	7414.5	12160.2	13276.9	12515.8
77.5°	226.3	273.6	485.0	485.0	527.3	1335.7	3140.2	6632.2	6117.4	5093.9
80°	144.3	186.5	424.1	366.9	220.1	339.5	818.3	1858.0	1299.6	988.7
82.5°	84.6	121.9	353.2	242.5	123.1	125.6	231.3	395.5	337.0	262.4
85°	33.6	79.6	242.5	95.8	48.5	31.1	69.6	84.6	69.6	52.2
87.5°	0.0	18.7	42.3	0.0	3.7	2.5	5.0	6.2	6.2	5.0
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°
3071.8	0°	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8	3071.8
3074.2	2.5°	3085.4	3087.9	3095.4	3096.6	3079.2	3056.8	3048.1	3044.4	3029.5	3028.2
3094.1	5°	3122.7	3133.9	3122.7	3090.4	3013.3	2905.1	2823.0	2755.9	2694.9	2676.3
3162.5	7.5°	3197.4	3208.6	3175.0	3048.1	2854.1	2639.0	2445.0	2308.2	2185.0	2139.0
3245.9	10°	3304.3	3319.2	3213.5	2957.3	2614.1	2268.4	1940.1	1708.7	1528.4	1455.0
3359.0	12.5°	3438.6	3444.8	3234.7	2819.3	2301.9	1808.2	1343.1	1095.6	935.2	875.5
3495.8	15°	3586.6	3577.9	3237.2	2631.5	1876.6	1278.4	876.8	720.1	655.4	635.5
3632.6	17.5°	3742.1	3706.0	3187.4	2360.4	1410.3	874.3	650.4	613.1	601.9	596.9
3768.2	20°	3895.0	3814.2	3096.6	2006.0	1012.3	652.9	590.7	579.5	573.3	570.8
3905.0	22.5°	4034.3	3896.3	2941.2	1594.3	735.0	577.0	558.4	548.4	537.2	532.3
4038.0	25°	4169.9	3943.5	2722.3	1210.0	588.2	539.7	524.8	506.2	491.2	485.0
4181.1	27.5°	4301.7	3973.4	2448.7	895.4	524.8	504.9	477.6	451.4	440.2	437.8
4334.0	30°	4442.2	3983.3	2137.8	667.8	486.3	461.4	421.6	391.7	385.5	386.8
4540.5	32.5°	4613.8	3998.3	1824.4	547.2	453.9	409.2	361.9	330.8	325.8	330.8
4841.4	35°	4819.0	4028.1	1522.2	503.7	425.3	355.7	304.7	278.6	273.6	277.3
5227.0	37.5°	5097.6	4076.6	1239.9	495.0	401.7	310.9	256.2	235.0	235.0	236.3
5699.5	40°	5468.2	4205.9	987.4	488.7	389.3	277.3	216.4	207.7	211.4	213.9
6301.4	42.5°	5919.7	4480.8	817.1	481.3	375.6	262.4	196.5	192.8	199.0	201.5
7022.7	45°	6425.8	4829.0	757.4	468.8	363.1	272.4	187.8	182.8	190.3	191.5
7831.1	47.5°	6949.4	5169.7	749.9	455.2	350.7	287.3	185.3	174.1	182.8	184.1
8694.2	50°	7479.2	5392.4	757.4	434.0	330.8	287.3	186.5	165.4	172.9	176.6
9589.6	52.5°	8012.7	5494.3	752.4	388.0	296.0	269.9	186.5	157.9	165.4	167.9
10557.1	55°	8530.0	5474.4	676.5	319.6	251.2	238.8	181.6	151.7	156.7	157.9
11471.2	57.5°	8939.2	5197.1	536.0	248.7	204.0	199.0	165.4	144.3	148.0	146.7
12309.4	60°	9153.1	4587.7	383.0	191.5	160.4	156.7	145.5	134.3	136.8	130.6
13019.5	62.5°	9155.6	3781.9	256.2	151.7	128.1	124.4	124.4	120.6	118.1	105.7
13569.2	65°	8960.3	2887.7	170.4	120.6	103.2	97.0	104.5	103.2	94.5	77.1
13737.1	67.5°	8517.6	1892.8	129.3	94.5	79.6	75.9	83.3	87.1	80.8	64.7
13125.2	70°	7607.3	1101.9	107.0	73.4	59.7	56.0	67.2	74.6	67.2	52.2
11218.7	72.5°	6318.9	594.5	87.1	54.7	41.0	37.3	53.5	60.9	53.5	38.6
7198.1	75°	4100.2	318.4	67.2	36.1	21.1	23.6	39.8	44.8	37.3	24.9
2112.9	77.5°	1376.7	140.5	42.3	17.4	9.9	9.9	23.6	27.4	17.4	8.7
384.3	80°	307.2	58.5	17.4	7.5	3.7	3.7	5.0	5.0	2.5	0.0
118.1	82.5°	100.7	23.6	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
29.8	85°	38.6	8.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.9	87.5°	14.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
3071.8
3030.7
2665.1
2120.4
1423.9
856.9
635.5
595.7
568.3
531.0
482.5
435.3
386.8
329.6
276.1
235.0
213.9
201.5
192.8
185.3
177.8
167.9
157.9
146.7
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