

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: P948261

Luminaire Tested: **GALN-SB3B-840-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-840-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

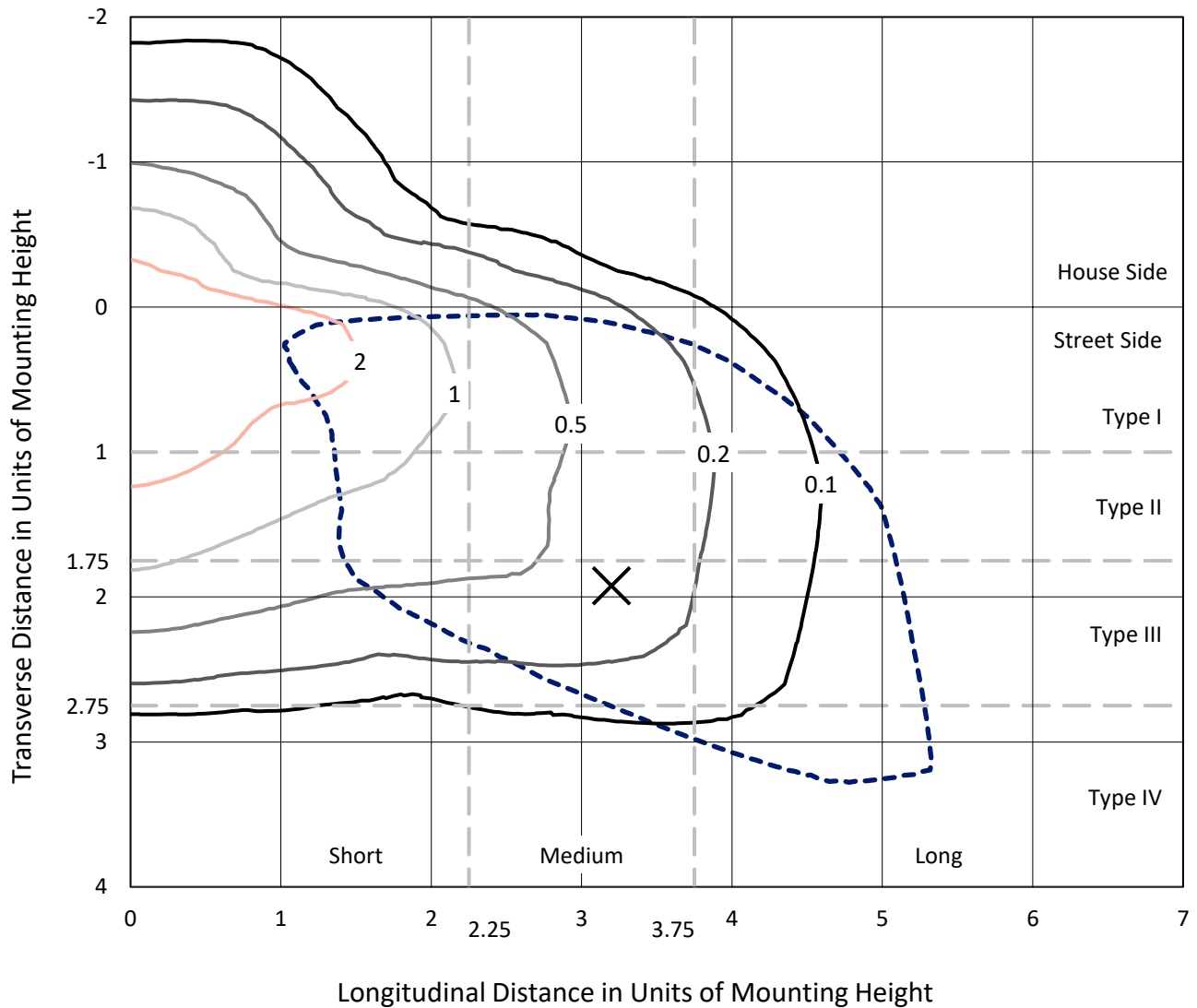
Lumens per Lamp: N/A  
Luminaire Lumens: 15794 lumens  
Efficiency: N/A  
Efficacy: 144.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

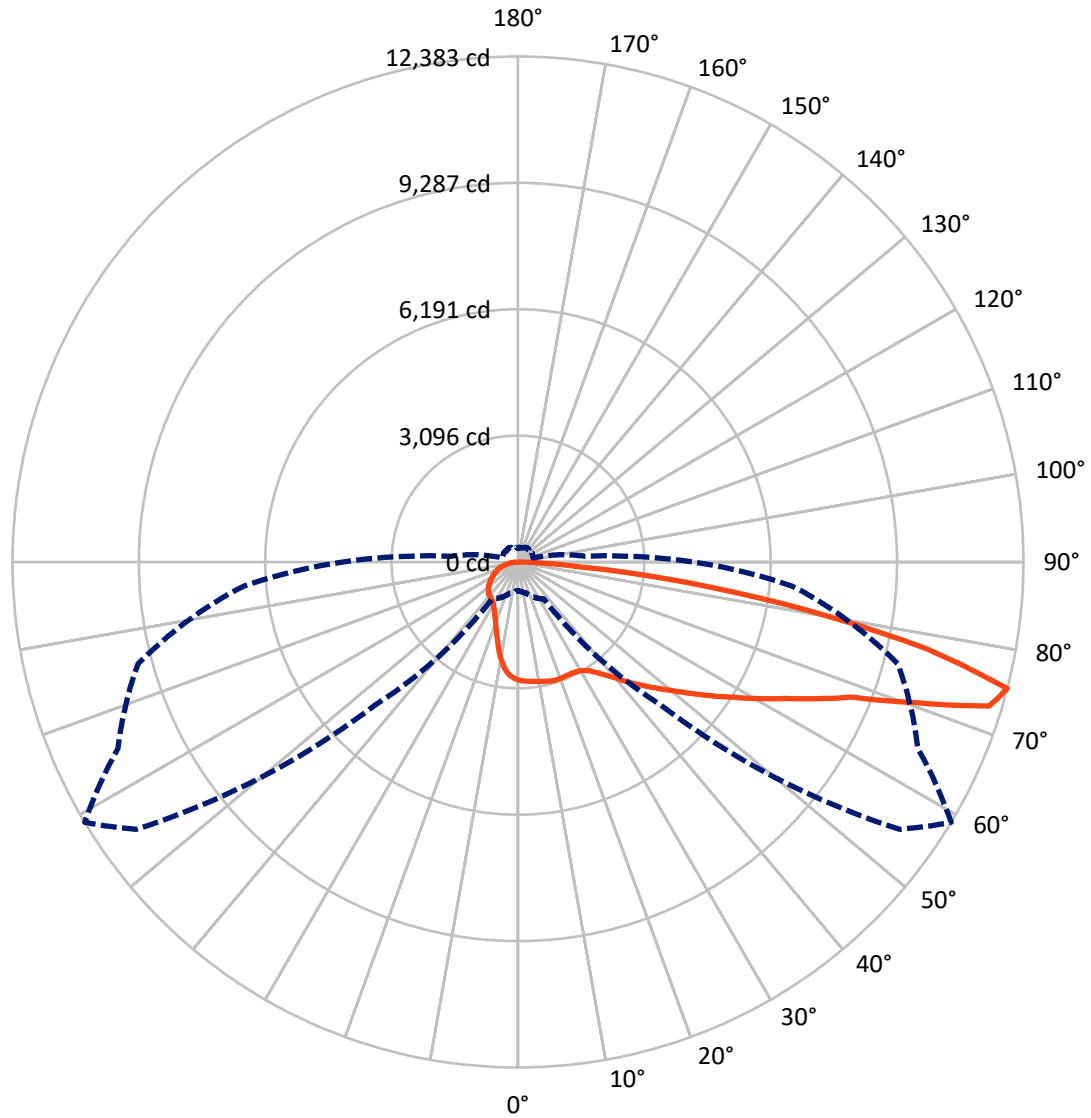
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2962.3	0.0	2962.3
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	12831.7	0.0	12831.7
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	15794.0	0.0	15794.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.9	1.6
10°-20°	664.4	4.2
20°-30°	1009.2	6.4
30°-40°	1500.1	9.5
40°-50°	2231.0	14.1
50°-60°	3028.3	19.2
60°-70°	3697.0	23.4
70°-80°	2901.4	18.4
80°-90°	502.6	3.2
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°	15794.0	100.0
0°-180°	15794.0	100.0

**Coefficient of Utilization**



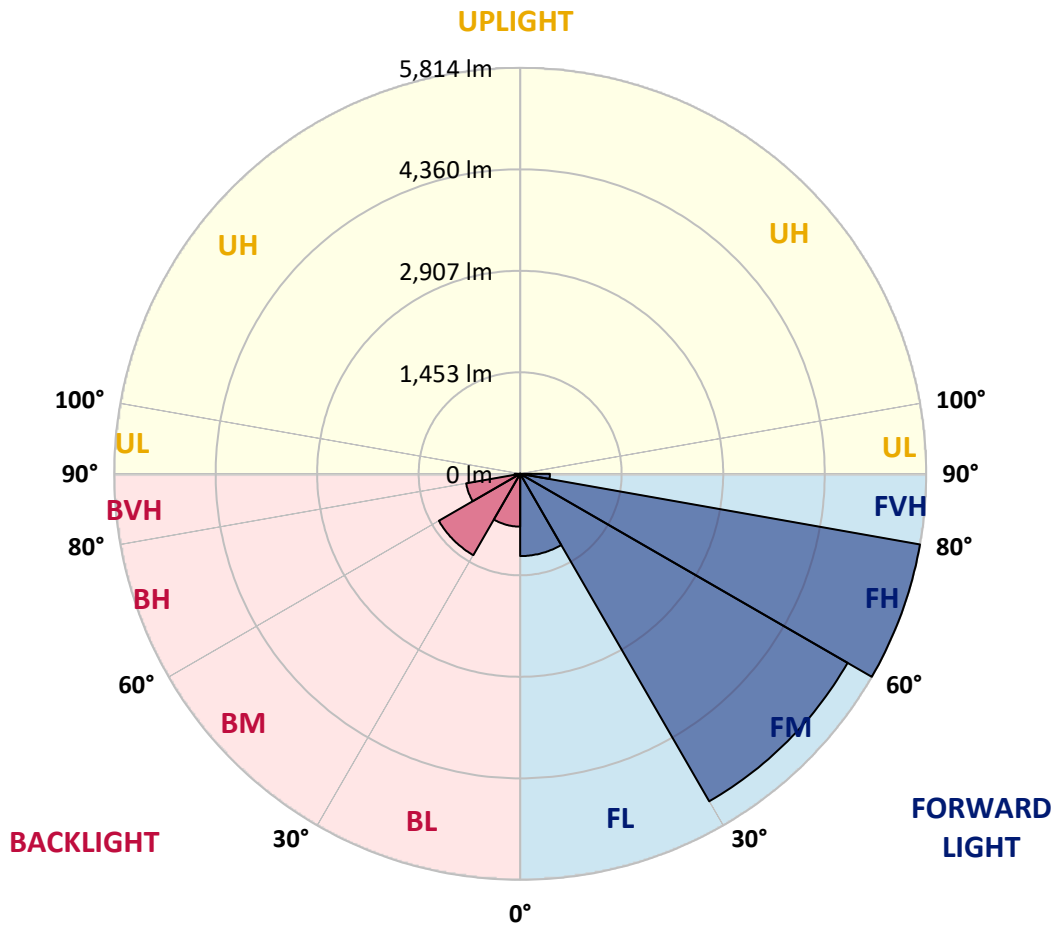
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1177.6	7.5			
FM (30°-60°)	5414.8	34.3			
FH (60°-80°)	5813.6	36.8			G3/7500
FVH (80°-90°)	425.7	2.7			G3/500
BL (0°-30°)	755.9	4.8	B2/1000		
BM (30°-60°)	1344.6	8.5	B2/2500		
BH (60°-80°)	784.8	5.0	B2/1000		G2/1000
BVH (80°-90°)	76.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0
2.5°	2923.6	2913.4	2923.6	2919.3	2917.6	2914.2	2915.1	2921.0	2917.6	2921.9
5°	2904.1	2898.1	2908.3	2905.8	2916.8	2918.5	2929.5	2936.3	2940.6	2941.4
7.5°	2871.8	2865.8	2880.3	2892.2	2915.9	2922.7	2945.7	2956.7	2962.7	2972.9
10°	2753.7	2751.1	2786.8	2831.8	2887.9	2922.7	2957.6	2976.3	2985.6	3012.8
12.5°	2544.7	2548.1	2594.8	2681.4	2793.6	2905.8	2971.2	2998.4	3012.8	3046.8
15°	2345.0	2344.1	2395.1	2487.7	2644.9	2831.0	2978.0	3024.7	3049.3	3099.5
17.5°	2229.4	2226.0	2261.7	2332.2	2478.4	2716.3	2961.0	3039.1	3091.8	3154.7
20°	2208.2	2201.4	2220.1	2254.9	2358.6	2590.5	2916.8	3039.1	3125.8	3207.4
22.5°	2285.5	2274.5	2266.8	2262.6	2308.5	2486.9	2866.7	3028.9	3175.9	3283.0
25°	2441.0	2424.0	2384.9	2346.7	2333.1	2440.2	2822.5	3026.4	3250.7	3384.9
27.5°	2692.5	2671.3	2592.2	2500.5	2418.1	2463.9	2802.9	3041.7	3333.1	3492.8
30°	3004.3	2981.4	2882.0	2740.9	2593.1	2552.3	2827.6	3086.7	3438.5	3636.4
32.5°	3283.8	3258.3	3173.4	3029.8	2830.1	2705.2	2905.8	3172.5	3604.2	3836.1
35°	3531.9	3502.2	3425.7	3293.2	3120.7	2920.2	3046.8	3324.6	3839.5	4160.7
37.5°	3774.9	3740.1	3656.8	3516.6	3396.0	3206.5	3241.4	3520.0	4152.2	4554.9
40°	4046.8	3996.7	3895.6	3757.1	3639.8	3542.1	3497.1	3759.6	4469.9	4995.0
42.5°	4310.2	4262.6	4142.0	4023.9	3876.9	3848.8	3793.6	4040.0	4817.4	5478.4
45°	4594.0	4537.0	4390.9	4241.4	4148.8	4052.8	4080.8	4320.4	5158.1	5971.2
47.5°	4859.9	4796.2	4623.7	4457.2	4406.2	4224.4	4344.2	4628.8	5512.4	6470.8
50°	5003.5	4940.6	4797.0	4646.7	4606.7	4435.9	4629.7	4967.8	5883.7	6968.7
52.5°	5123.3	5055.3	4867.6	4784.3	4772.4	4666.2	4981.4	5355.2	6255.0	7408.8
55°	5250.7	5175.1	4935.5	4860.8	4915.1	4924.5	5398.6	5794.5	6647.5	7837.9
57.5°	5397.7	5301.7	5000.9	4925.3	5054.5	5227.0	5877.8	6249.9	7033.3	8235.5
60°	5536.2	5439.4	5126.7	5028.1	5204.9	5577.9	6427.5	6801.3	7470.0	8589.8
62.5°	5563.4	5483.5	5227.0	5226.1	5408.8	5987.4	7078.3	7357.8	7851.5	8939.9
65°	5092.7	5042.6	4890.5	5218.5	5701.0	6577.0	7803.0	8069.8	8336.6	9245.7
67.5°	3876.0	3882.8	3871.8	4504.8	5464.9	7424.1	8852.3	8832.0	8935.6	9589.0
70°	1772.3	1812.3	2072.3	3109.7	4378.2	7521.8	10587.3	10323.1	9687.5	10033.3
72.5°	957.5	988.1	1094.3	1506.4	2632.2	6687.5	11883.8	12071.6	10687.6	10332.4
75°	702.6	719.6	793.6	957.5	1105.4	4970.4	11419.1	12382.6	10812.5	9634.9
77.5°	525.9	533.6	593.9	758.7	565.9	2620.3	9124.2	10255.1	9255.9	7916.0
80°	381.5	390.0	435.0	569.3	396.8	958.4	6265.2	7198.1	6339.1	5046.0
82.5°	263.4	266.8	286.3	387.4	277.0	372.1	3554.9	4221.0	3538.7	1770.6
85°	158.9	163.1	171.6	226.0	157.2	176.7	1534.4	1587.1	1057.8	423.1
87.5°	65.4	69.7	76.5	95.2	62.0	49.3	253.2	317.8	198.0	124.0
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°
2899.0	0°	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0
2907.4	2.5°	2903.2	2897.3	2881.1	2859.0	2838.6	2813.1	2802.1	2792.7	2784.3	2768.1
2930.4	5°	2921.0	2904.9	2861.6	2805.5	2741.8	2672.1	2604.1	2557.4	2517.5	2487.7
2956.7	7.5°	2948.2	2917.6	2838.6	2723.9	2577.8	2428.3	2293.2	2197.2	2124.9	2098.6
2994.1	10°	2976.3	2939.7	2802.1	2599.9	2347.5	2117.3	1938.0	1839.5	1781.7	1763.0
3038.3	12.5°	3009.4	2955.9	2745.2	2427.4	2090.1	1837.8	1681.4	1623.7	1593.9	1583.7
3092.7	15°	3057.8	2969.5	2659.4	2211.6	1844.6	1633.8	1532.7	1492.8	1477.5	1476.7
3148.7	17.5°	3094.4	2972.0	2526.0	1980.5	1655.9	1510.7	1427.4	1412.1	1422.3	1437.6
3204.0	20°	3135.2	2949.1	2350.9	1769.8	1523.4	1402.7	1367.9	1378.1	1402.7	1424.8
3277.0	22.5°	3164.0	2907.4	2139.4	1605.8	1408.7	1340.7	1339.0	1360.3	1373.9	1384.9
3362.9	25°	3189.5	2836.9	1915.1	1468.2	1314.4	1303.3	1322.0	1315.2	1305.9	1315.2
3448.7	27.5°	3208.2	2725.6	1714.6	1347.5	1248.1	1277.9	1266.8	1251.5	1250.7	1255.8
3549.8	30°	3202.3	2576.9	1549.7	1232.8	1201.4	1230.3	1203.9	1201.4	1198.8	1201.4
3701.9	32.5°	3202.3	2407.9	1423.1	1153.8	1171.6	1160.6	1158.1	1152.1	1141.9	1141.1
3908.3	35°	3220.1	2238.8	1314.4	1111.3	1147.0	1120.7	1122.4	1107.9	1086.7	1076.5
4181.9	37.5°	3256.6	2102.8	1206.5	1090.9	1103.7	1102.8	1096.0	1071.4	1034.0	1001.7
4523.5	40°	3345.0	2062.9	1132.6	1081.6	1083.3	1093.5	1075.6	1028.1	943.1	890.4
4870.1	42.5°	3483.5	2130.0	1116.4	1058.6	1069.7	1079.9	1045.1	934.6	874.3	842.8
5233.7	45°	3659.4	2247.3	1151.3	1025.5	1037.4	1055.2	951.6	898.9	871.7	872.6
5594.0	47.5°	3882.0	2370.5	1215.8	996.6	990.7	1000.9	889.6	857.3	819.9	829.2
5939.8	50°	4139.4	2495.4	1277.0	957.5	938.8	905.7	849.6	819.0	771.5	749.4
6273.7	52.5°	4418.1	2616.0	1301.6	910.0	882.8	844.5	822.4	785.1	727.3	690.8
6588.9	55°	4682.3	2725.6	1274.5	853.0	826.7	797.0	793.6	770.6	708.6	657.6
6869.3	57.5°	4932.1	2817.4	1206.5	795.3	769.8	751.9	774.9	763.8	685.7	620.2
7134.4	60°	5143.7	2880.3	1107.9	736.6	718.8	709.4	744.3	740.9	653.4	580.3
7372.3	62.5°	5311.9	2904.9	999.2	680.6	676.3	659.3	701.8	701.8	612.6	541.2
7581.3	65°	5443.6	2881.1	888.7	625.3	633.8	608.3	650.0	644.9	569.3	506.4
7821.7	67.5°	5560.0	2802.9	766.4	571.0	590.5	558.2	595.6	583.7	521.7	471.5
8029.9	70°	5611.8	2621.1	627.0	516.6	540.4	508.9	541.2	519.1	468.1	434.2
7801.3	72.5°	5195.5	2178.5	493.6	459.7	480.0	454.6	482.6	457.1	410.4	395.1
6736.8	75°	4298.3	1634.7	379.8	397.6	412.9	393.4	412.1	393.4	350.9	361.9
4976.3	77.5°	3121.6	1103.7	290.6	332.2	339.0	328.8	345.0	323.7	285.5	282.9
2480.1	80°	1552.3	646.6	227.7	262.5	260.0	253.2	271.9	261.7	229.4	243.0
669.5	82.5°	449.5	277.0	165.7	184.4	179.3	181.0	194.6	199.7	299.1	296.5
208.2	85°	141.0	108.8	99.4	102.8	97.7	100.3	114.7	227.7	210.7	123.2
64.6	87.5°	36.5	37.4	24.6	26.3	27.2	32.3	36.5	138.5	66.3	43.3
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>
2899.0
2760.5
2463.1
2052.7
1734.1
1586.3
1480.1
1443.5
1432.5
1390.9
1321.2
1264.3
1210.7
1152.1
1086.7
1012.8
897.2
842.8
876.8
853.0
755.3
689.9
657.6
616.8
577.8
538.7
503.0
468.1
427.4
382.3
330.5
270.2
240.4
303.3
133.4
45.9
0.0

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