

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: P952051

Luminaire Tested: **GALN-SB6A-735-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952051  
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-735-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

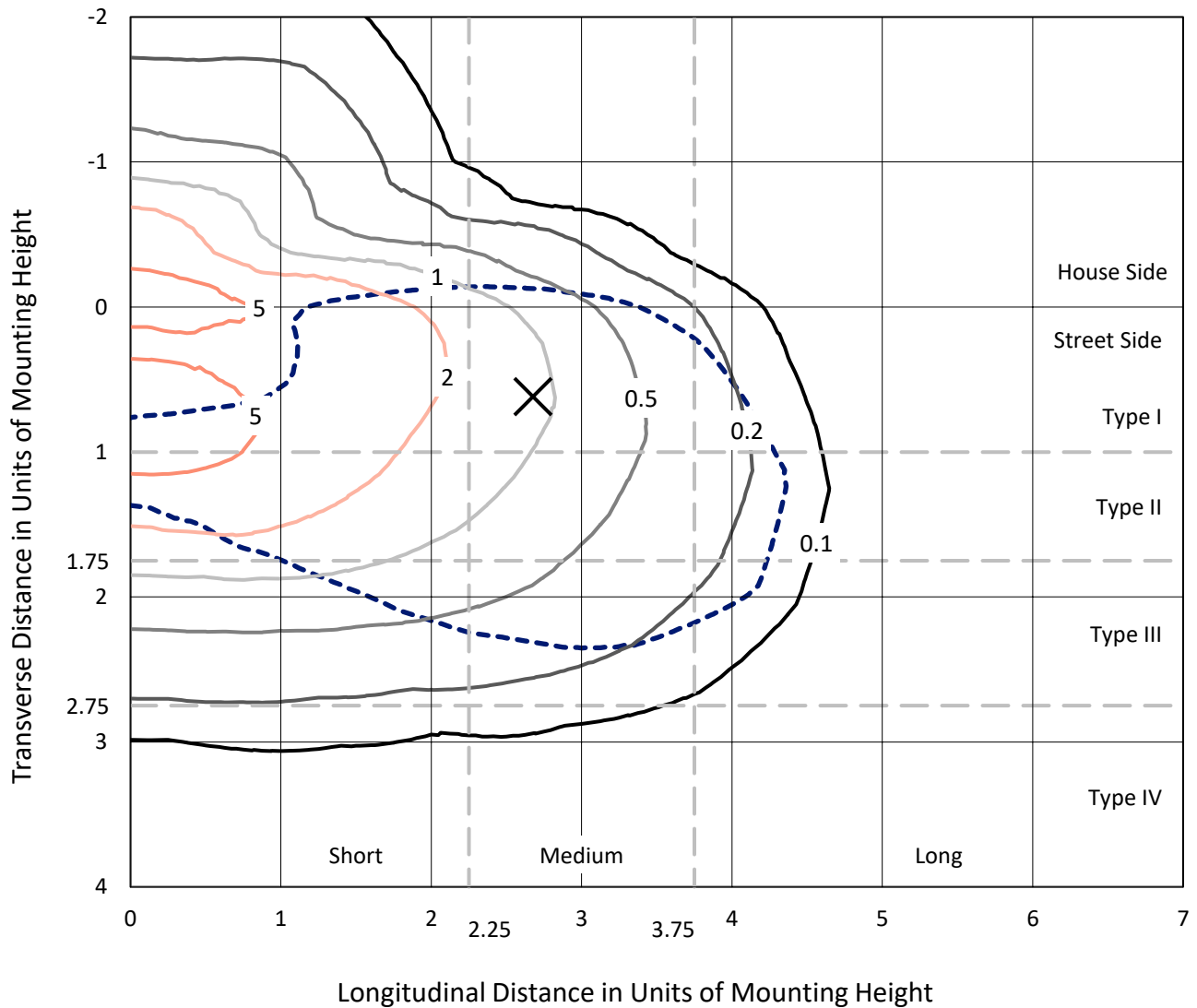
Lumens per Lamp: N/A  
Luminaire Lumens: 27925 lumens  
Efficiency: N/A  
Efficacy: 163.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): 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

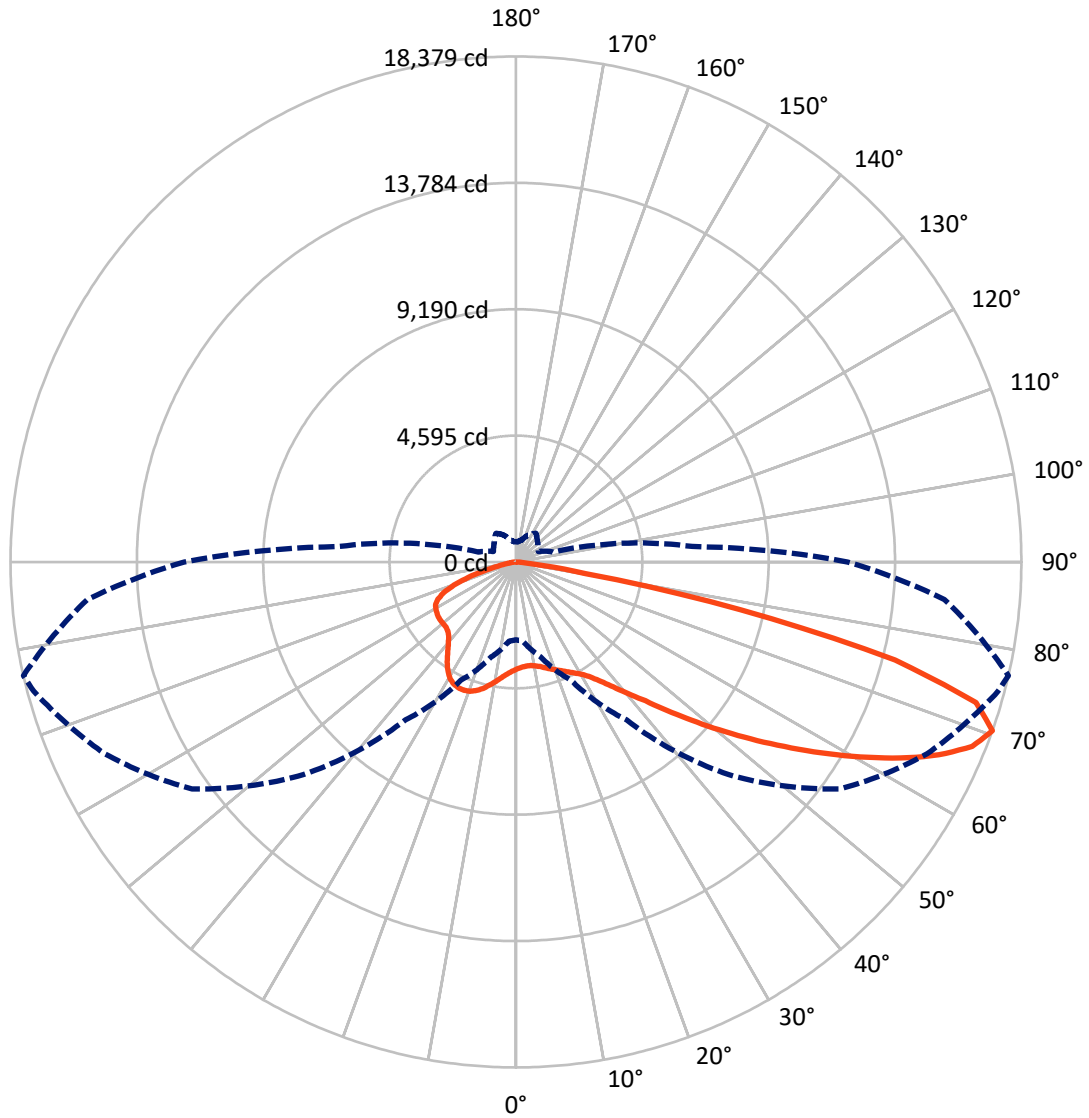
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	6115.1	0.0	6115.1
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	21809.9	0.0	21809.9
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	27925.0	0.0	27925.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.6	1.3
10°-20°	1072.3	3.8
20°-30°	1833.9	6.6
30°-40°	2949.0	10.6
40°-50°	4604.2	16.5
50°-60°	6150.1	22.0
60°-70°	6555.1	23.5
70°-80°	4035.3	14.5
80°-90°	353.6	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°	27925.0	100.0
0°-180°	27925.0	100.0

**Coefficient of Utilization**



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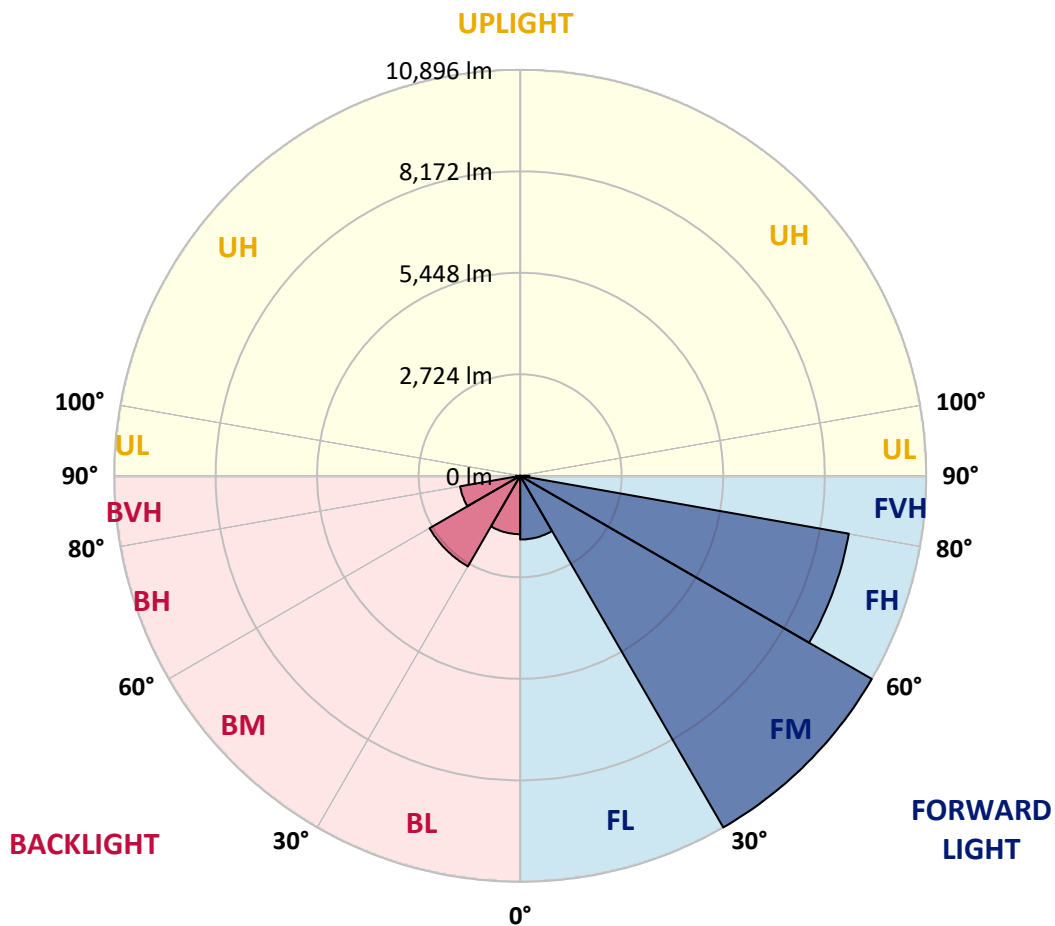
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1710.9	6.1			
FM (30°-60°)	10895.7	39.0			
FH (60°-80°)	8956.0	32.1			G4/12000
FVH (80°-90°)	247.3	0.9			G3/500
BL (0°-30°)	1566.9	5.6	B3/2500		
BM (30°-60°)	2807.6	10.1	B3/5000		
BH (60°-80°)	1634.3	5.9	B3/2500		G3/2500
BVH (80°-90°)	106.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8
2.5°	3591.2	3589.7	3608.3	3614.0	3648.4	3672.7	3718.5	3767.1	3830.0	3837.2
5°	3383.8	3383.8	3405.2	3428.1	3472.5	3521.1	3591.2	3675.5	3784.2	3801.4
7.5°	3207.9	3219.3	3237.9	3282.2	3333.7	3403.8	3511.1	3631.2	3774.2	3801.4
10°	3066.3	3079.2	3102.0	3137.8	3215.0	3312.3	3452.4	3606.9	3798.5	3841.4
12.5°	3022.0	3034.8	3047.7	3074.9	3146.4	3260.8	3428.1	3618.3	3857.2	3900.1
15°	3124.9	3140.7	3130.6	3123.5	3160.7	3265.1	3439.6	3659.8	3930.1	3991.6
17.5°	3362.3	3368.1	3345.2	3278.0	3272.2	3328.0	3493.9	3717.0	4021.6	4088.9
20°	3745.6	3735.6	3688.4	3555.4	3479.6	3468.2	3586.9	3802.8	4116.0	4187.5
22.5°	4266.2	4254.8	4160.4	3950.1	3781.4	3669.8	3721.3	3914.4	4221.9	4302.0
25°	4915.5	4899.8	4761.0	4475.0	4213.3	3937.3	3904.4	4061.7	4352.0	4426.4
27.5°	5673.5	5660.6	5510.5	5132.9	4755.3	4303.4	4131.8	4234.7	4487.9	4572.3
30°	6488.7	6525.9	6259.9	5853.7	5376.0	4781.1	4437.8	4447.8	4663.8	4739.6
32.5°	7446.9	7511.3	7190.9	6676.0	6023.9	5300.2	4824.0	4745.3	4919.8	4982.7
35°	8396.5	8469.5	8203.5	7634.3	6883.4	5912.3	5227.3	5087.1	5260.2	5328.8
37.5°	9217.5	9314.7	9177.4	8682.6	7803.0	6650.3	5753.6	5489.0	5679.2	5765.0
40°	9865.3	10014.1	10004.1	9695.1	8887.1	7545.6	6421.5	5985.3	6199.8	6292.8
42.5°	10391.6	10520.4	10631.9	10616.2	10018.4	8562.4	7206.6	6630.3	6793.3	6900.6
45°	10754.9	10892.2	11132.5	11391.3	11106.7	9650.8	8106.2	7395.4	7544.2	7705.8
47.5°	11079.6	11235.4	11547.2	11957.7	12030.6	10743.5	9091.6	8286.4	8422.3	8589.6
50°	11108.2	11242.6	11726.0	12308.1	12687.1	11793.2	10149.9	9286.1	9413.4	9592.2
52.5°	10417.4	10629.0	11472.9	12298.1	12988.8	12671.3	11201.1	10325.9	10468.9	10683.4
55°	8086.2	8396.5	10730.6	11914.8	12881.6	13239.1	12200.8	11431.4	11614.4	11839.0
57.5°	6964.9	7100.8	8518.1	11216.8	12392.5	13386.4	13044.6	12548.3	12843.0	13088.9
60°	6259.9	6372.9	7210.9	10131.3	11748.9	13153.3	13696.8	13589.5	14098.6	14391.8
62.5°	5504.7	5612.0	6374.3	8459.5	10925.1	12765.7	14108.7	14550.6	15385.8	15706.2
65°	4755.3	4846.9	5577.7	7108.0	9878.2	12378.2	14321.8	15381.5	16577.1	16908.9
67.5°	3920.1	3995.9	4686.7	5996.7	8605.4	11847.6	14427.6	16035.1	17614.0	17898.6
70°	2828.9	2887.5	3601.2	4742.5	7007.8	10935.1	14384.7	16498.5	18151.8	18379.2
72.5°	1337.2	1390.1	2228.2	3079.2	4949.8	9158.8	13516.6	16130.9	17605.4	17492.5
75°	713.7	759.4	1280.0	1689.0	2614.4	6278.5	11061.0	13895.6	14783.7	14234.5
77.5°	483.4	519.2	792.3	1014.0	1194.2	2980.5	7109.4	9620.8	9256.1	8349.4
80°	383.3	420.5	649.3	686.5	577.8	1076.9	2937.6	4453.6	3199.3	2558.6
82.5°	294.6	336.1	546.3	497.7	314.6	441.9	855.2	1408.7	819.5	623.6
85°	180.2	224.5	429.1	317.5	177.3	201.7	290.3	391.9	250.3	208.8
87.5°	91.5	128.7	217.4	115.8	80.1	47.2	77.2	77.2	65.8	57.2
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°
3895.8	0°	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8	3895.8
3875.8	2.5°	3910.1	3938.7	3987.3	4033.1	4068.8	4103.2	4137.5	4156.1	4161.8	4184.7
3897.2	5°	3955.9	4008.8	4103.2	4191.8	4247.6	4281.9	4306.3	4320.6	4323.4	4330.6
3955.9	7.5°	4040.2	4124.6	4256.2	4344.9	4386.3	4383.5	4373.5	4337.7	4323.4	4310.5
4041.7	10°	4158.9	4270.5	4432.1	4493.6	4467.9	4399.2	4310.5	4206.1	4157.5	4110.3
4158.9	12.5°	4306.3	4447.8	4606.6	4603.7	4476.4	4300.5	4094.6	3934.4	3832.9	3759.9
4303.4	15°	4485.0	4648.1	4769.6	4672.4	4393.5	4077.4	3775.7	3566.9	3475.3	3395.2
4449.3	17.5°	4669.5	4844.0	4899.8	4650.9	4184.7	3747.1	3405.2	3240.8	3150.7	3107.8
4606.6	20°	4849.7	5022.8	4977.0	4527.9	3867.2	3372.3	3067.7	2977.6	2959.0	2969.0
4759.6	22.5°	5039.9	5194.4	4992.7	4290.5	3462.4	2989.1	2821.7	2824.6	2866.1	2896.1
4919.8	25°	5234.4	5338.8	4951.3	3947.3	3027.7	2707.3	2665.8	2711.6	2793.1	2851.8
5100.0	27.5°	5421.8	5467.6	4861.2	3522.5	2654.4	2505.7	2512.8	2607.2	2730.2	2811.7
5318.8	30°	5633.5	5582.0	4688.1	3044.8	2395.5	2332.6	2392.7	2502.8	2625.8	2698.7
5594.8	32.5°	5872.3	5680.6	4413.5	2602.9	2212.5	2193.9	2292.6	2364.1	2418.4	2439.9
5961.0	35°	6169.8	5819.4	4061.7	2292.6	2048.0	2092.3	2186.7	2151.0	2129.5	2118.1
6452.9	37.5°	6555.9	6006.7	3649.8	2090.9	1915.0	2019.4	2058.0	1946.5	1862.1	1820.6
7049.3	40°	7020.7	6281.3	3253.6	1935.0	1830.6	1956.5	1889.3	1754.8	1647.6	1588.9
7720.1	42.5°	7537.0	6568.8	2920.4	1817.8	1783.4	1905.0	1764.8	1604.7	1431.6	1413.0
8519.5	45°	8079.0	6864.8	2693.0	1727.6	1760.5	1860.7	1693.3	1434.5	1311.5	1387.3
9321.9	47.5°	8621.1	7136.6	2555.7	1660.4	1749.1	1810.6	1630.4	1340.1	1252.8	1363.0
10181.4	50°	9224.6	7379.7	2494.2	1611.8	1736.2	1790.6	1536.0	1315.8	1191.3	1264.3
11071.0	52.5°	9823.9	7568.5	2448.5	1563.2	1717.6	1774.8	1490.2	1287.2	1117.0	1121.3
11966.3	55°	10421.7	7691.5	2398.4	1498.8	1676.2	1740.5	1486.0	1255.7	1061.2	1041.2
12913.0	57.5°	11059.5	7761.6	2336.9	1427.3	1604.7	1653.3	1481.7	1231.4	1044.0	1011.1
13881.3	60°	11708.8	7864.5	2256.8	1340.1	1508.8	1548.9	1471.6	1222.8	1034.0	978.2
14793.7	62.5°	12290.9	7900.3	2161.0	1257.1	1385.8	1445.9	1450.2	1215.6	1006.8	911.0
15551.7	65°	12672.8	7745.8	1993.7	1162.7	1252.8	1340.1	1408.7	1191.3	958.2	862.4
15926.4	67.5°	12657.0	7305.3	1731.9	1041.2	1124.1	1222.8	1348.7	1149.9	899.6	802.3
15643.2	70°	12067.8	6435.8	1400.1	899.6	982.5	1096.9	1271.4	1088.4	829.5	736.5
13909.9	72.5°	10350.2	5037.1	1016.9	733.7	818.1	966.8	1171.3	1014.0	758.0	677.9
10280.1	75°	7394.0	3187.9	689.3	563.5	636.4	819.5	1046.9	926.8	692.2	680.8
5148.6	77.5°	3777.1	1523.1	456.2	411.9	443.4	646.4	879.6	828.1	702.2	562.1
1464.5	80°	1228.5	562.1	287.5	280.3	294.6	430.5	680.8	679.3	532.0	381.9
354.7	82.5°	391.9	241.7	187.4	180.2	173.1	270.3	474.8	537.7	359.0	241.7
127.3	85°	155.9	144.4	110.1	101.5	72.9	127.3	248.9	357.5	267.4	174.5
32.9	87.5°	57.2	57.2	30.0	21.5	15.7	42.9	67.2	107.3	153.0	90.1
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>
3895.8
4197.6
4342.0
4313.4
4096.0
3742.8
3386.7
3120.6
2964.7
2903.3
2867.5
2831.7
2715.9
2451.3
2129.5
1830.6
1593.2
1431.6
1427.3
1414.4
1318.6
1151.3
1055.5
1015.4
982.5
911.0
862.4
806.6
745.1
673.6
642.1
500.6
337.5
240.3
178.8
88.7
0.0

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