

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: P952765

Luminaire Tested: **GALN-SB6C-735-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952765  
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-SB6C-735-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

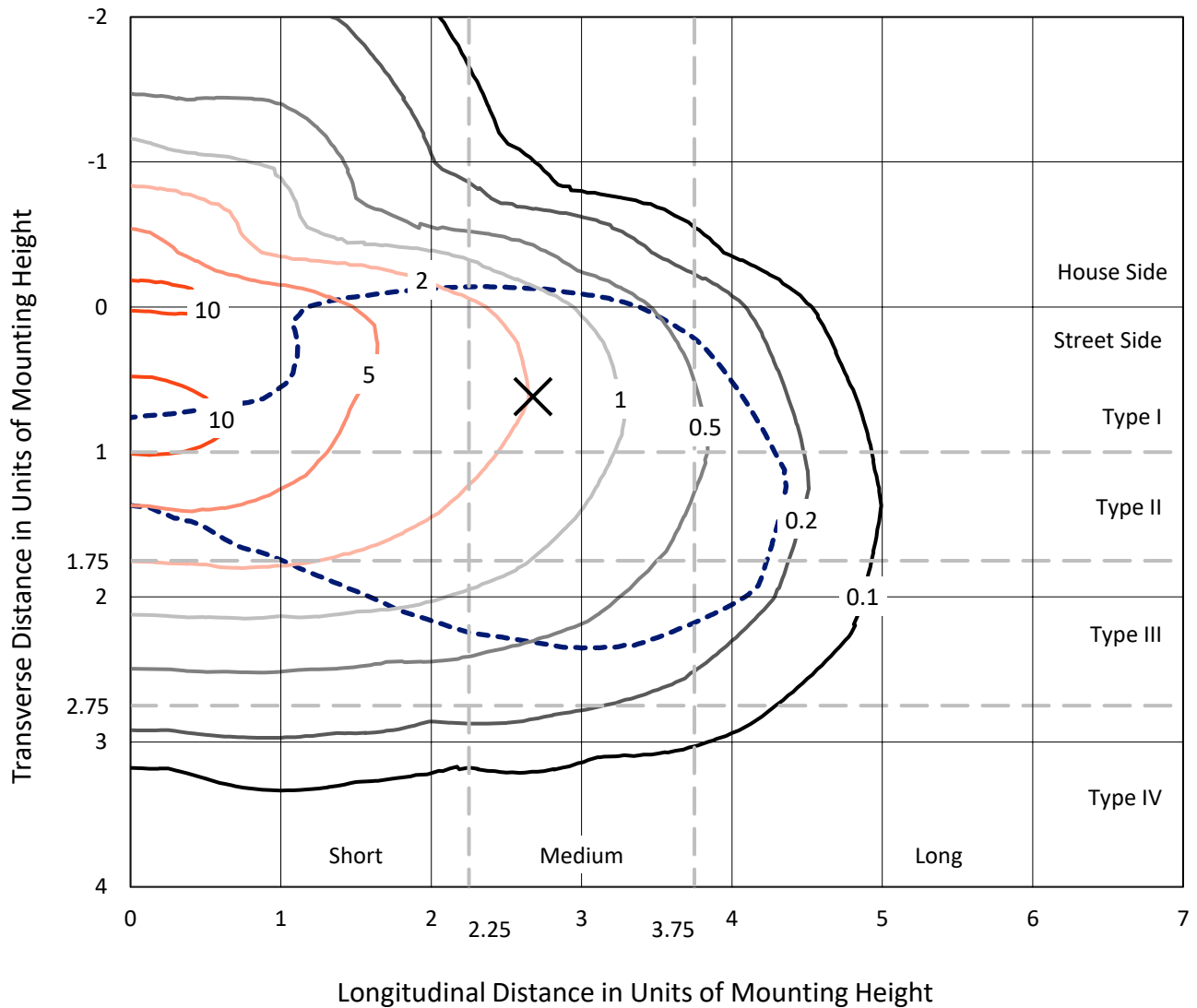
Lumens per Lamp: N/A  
Luminaire Lumens: 46622 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

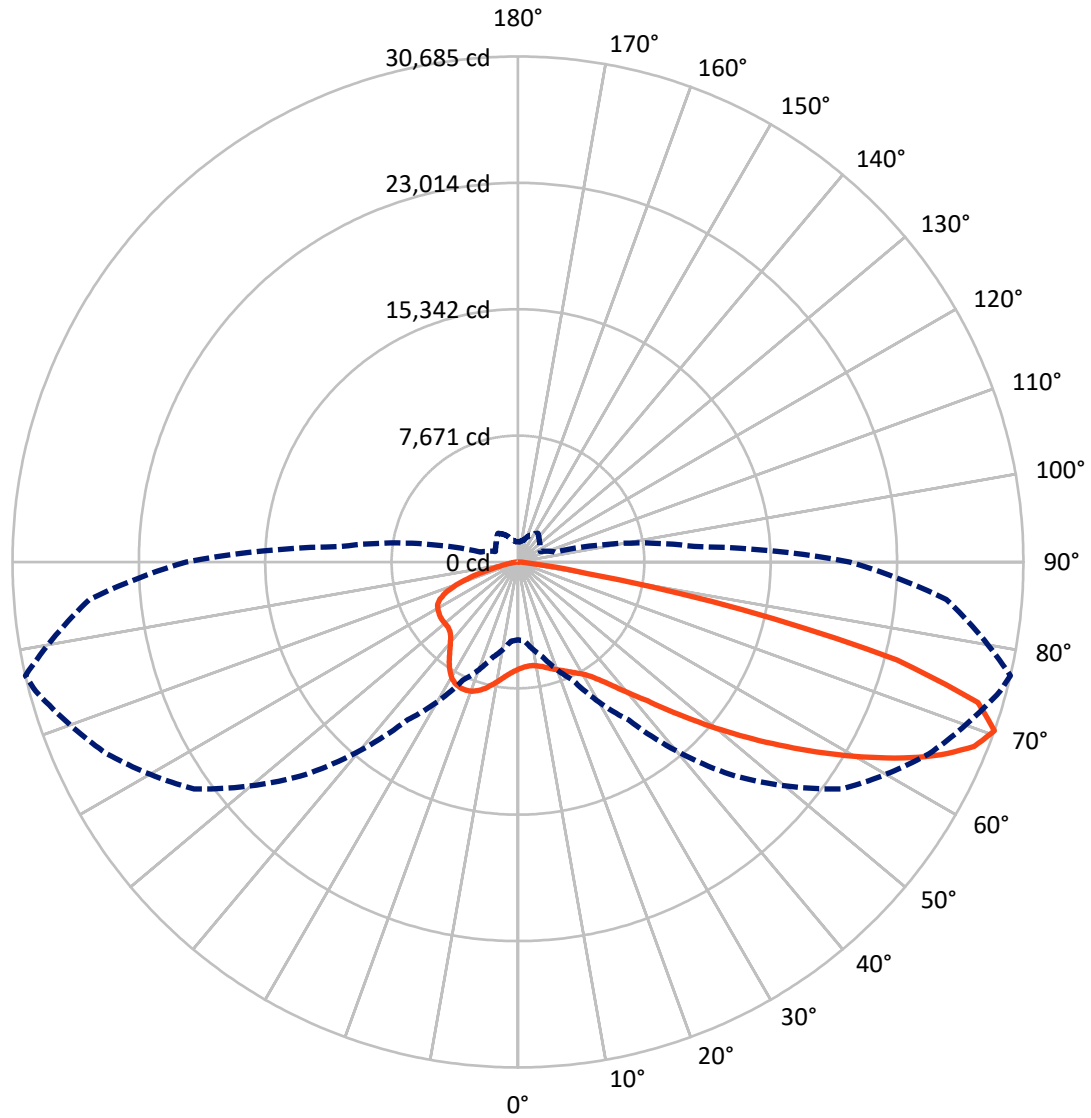
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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	10209.5	0.0	10209.5
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	36412.5	0.0	36412.5
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	46622.0	0.0	46622.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	620.3	1.3
10°-20°	1790.3	3.8
20°-30°	3061.7	6.6
30°-40°	4923.5	10.6
40°-50°	7686.9	16.5
50°-60°	10267.9	22.0
60°-70°	10944.0	23.5
70°-80°	6737.0	14.5
80°-90°	590.3	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°	46622.0	100.0
0°-180°	46622.0	100.0

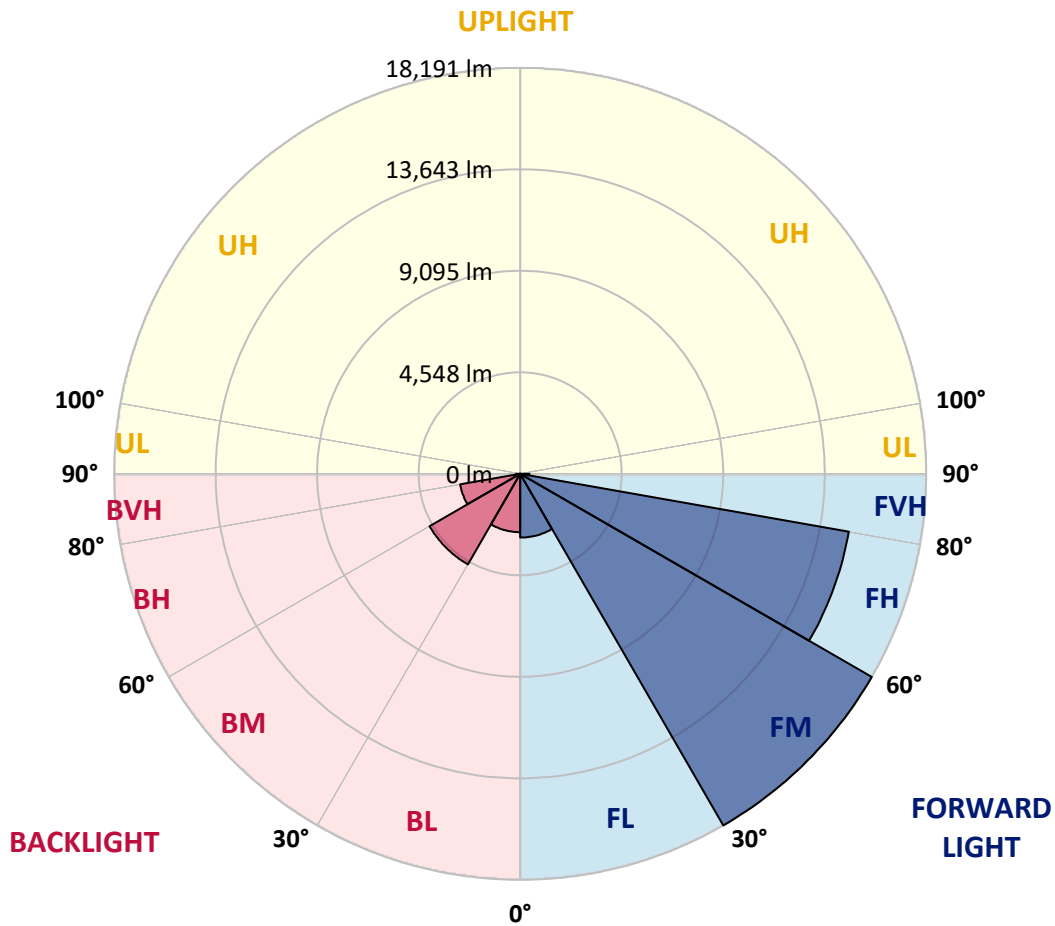


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2856.3	6.1			
FM (30°-60°)	18190.9	39.0			
FH (60°-80°)	14952.5	32.1			G5
FVH (80°-90°)	412.8	0.9			G3/500
BL (0°-30°)	2616.0	5.6	B4/5000		
BM (30°-60°)	4687.4	10.1	B3/5000		
BH (60°-80°)	2728.6	5.9	B4/5000		G4/5000
BVH (80°-90°)	177.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2
2.5°	5995.6	5993.2	6024.3	6033.8	6091.1	6131.7	6208.1	6289.3	6394.4	6406.3
5°	5649.4	5649.4	5685.2	5723.4	5797.4	5878.6	5995.6	6136.5	6318.0	6346.6
7.5°	5355.7	5374.8	5405.8	5479.9	5565.8	5682.8	5861.9	6062.5	6301.2	6346.6
10°	5119.3	5140.8	5179.0	5238.7	5367.6	5530.0	5764.0	6021.9	6341.8	6413.5
12.5°	5045.3	5066.8	5088.3	5133.6	5253.0	5444.0	5723.4	6041.0	6439.7	6511.4
15°	5217.2	5243.5	5226.8	5214.8	5276.9	5451.2	5742.5	6110.2	6561.5	6664.2
17.5°	5613.6	5623.1	5584.9	5472.7	5463.1	5556.3	5833.2	6205.7	6714.3	6826.5
20°	6253.5	6236.8	6158.0	5935.9	5809.4	5790.3	5988.4	6349.0	6871.9	6991.3
22.5°	7122.6	7103.5	6945.9	6594.9	6313.2	6126.9	6212.9	6535.2	7048.6	7182.3
25°	8206.7	8180.4	7948.8	7471.2	7034.3	6573.4	6518.5	6781.2	7265.9	7390.0
27.5°	9472.2	9450.7	9199.9	8569.6	7939.2	7184.7	6898.2	7070.1	7492.7	7633.6
30°	10833.2	10895.2	10451.1	9773.0	8975.5	7982.2	7409.1	7425.9	7786.4	7913.0
32.5°	12432.9	12540.4	12005.5	11146.0	10057.1	8849.0	8053.8	7922.5	8213.8	8318.9
35°	14018.4	14140.2	13696.1	12745.7	11492.2	9870.9	8727.2	8493.2	8782.1	8896.7
37.5°	15389.0	15551.3	15322.1	14495.9	13027.5	11103.0	9605.9	9164.1	9481.7	9625.0
40°	16470.6	16718.9	16702.2	16186.5	14837.4	12597.7	10720.9	9992.7	10350.8	10506.0
42.5°	17349.3	17564.2	17750.4	17724.2	16726.1	14295.4	12031.8	11069.5	11341.7	11520.8
45°	17955.8	18185.0	18586.1	19018.3	18543.2	16112.4	13533.7	12347.0	12595.3	12865.1
47.5°	18497.8	18758.1	19278.6	19963.9	20085.6	17936.7	15178.8	13834.5	14061.4	14340.7
50°	18545.5	18770.0	19577.1	20548.9	21181.6	19689.3	16945.8	15503.6	15716.1	16014.5
52.5°	17392.3	17745.7	19154.4	20532.1	21685.4	21155.3	18700.8	17239.5	17478.2	17836.4
55°	13500.3	14018.4	17915.2	19892.2	21506.3	22103.3	20369.8	19085.2	19390.8	19765.7
57.5°	11628.3	11855.1	14221.4	18727.0	20689.7	22349.2	21778.5	20950.0	21441.9	21852.6
60°	10451.1	10639.8	12039.0	16914.7	19615.3	21960.0	22867.4	22688.3	23538.3	24027.8
62.5°	9190.4	9369.5	10642.1	14123.5	18239.9	21312.9	23555.0	24292.8	25687.3	26222.1
65°	7939.2	8092.0	9312.2	11867.1	16492.1	20665.9	23910.8	25680.1	27676.3	28230.2
67.5°	6544.8	6671.3	7824.6	10011.8	14367.0	19780.0	24087.5	26771.3	29407.4	29882.5
70°	4722.9	4820.8	6012.3	7917.7	11699.9	18256.6	24015.9	27544.9	30305.2	30684.8
72.5°	2232.5	2320.9	3720.1	5140.8	8264.0	15291.1	22566.5	26931.3	29393.0	29204.4
75°	1191.5	1267.9	2137.0	2819.9	4364.8	10482.2	18466.8	23199.2	24682.0	23765.1
77.5°	807.1	866.7	1322.8	1692.9	1993.8	4976.0	11869.4	16062.3	15453.4	13939.6
80°	639.9	702.0	1084.0	1146.1	964.6	1798.0	4904.4	7435.4	5341.4	4271.7
82.5°	491.9	561.1	912.1	830.9	525.3	737.8	1427.9	2351.9	1368.2	1041.1
85°	300.9	374.9	716.3	530.1	296.1	336.7	484.7	654.2	417.9	348.6
87.5°	152.8	214.9	362.9	193.4	133.7	78.8	128.9	128.9	109.8	95.5
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°
6504.2	0°	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2	6504.2
6470.8	2.5°	6528.1	6575.8	6657.0	6733.4	6793.1	6850.4	6907.7	6938.8	6948.3	6986.5
6506.6	5°	6604.5	6692.8	6850.4	6998.5	7091.6	7148.9	7189.5	7213.4	7218.1	7230.1
6604.5	7.5°	6745.4	6886.2	7105.9	7253.9	7323.2	7318.4	7301.7	7242.0	7218.1	7196.6
6747.7	10°	6943.5	7129.8	7399.6	7502.3	7459.3	7344.7	7196.6	7022.3	6941.2	6862.4
6943.5	12.5°	7189.5	7425.9	7690.9	7686.1	7473.6	7179.9	6836.1	6568.7	6399.1	6277.4
7184.7	15°	7487.9	7760.1	7963.1	7800.7	7335.1	6807.4	6303.6	5955.0	5802.2	5668.5
7428.2	17.5°	7796.0	8087.3	8180.4	7764.9	6986.5	6255.9	5685.2	5410.6	5260.2	5188.6
7690.9	20°	8096.8	8385.7	8309.3	7559.6	6456.4	5630.3	5121.7	4971.3	4940.2	4956.9
7946.4	22.5°	8414.4	8672.3	8335.6	7163.2	5780.7	4990.4	4711.0	4715.8	4785.0	4835.2
8213.8	25°	8739.1	8913.4	8266.3	6590.2	5054.8	4520.0	4450.7	4527.1	4663.2	4761.1
8514.7	27.5°	9051.9	9128.3	8115.9	5881.0	4431.6	4183.3	4195.3	4352.8	4558.2	4694.3
8880.0	30°	9405.3	9319.3	7827.0	5083.5	3999.5	3894.4	3994.7	4178.5	4383.9	4505.7
9340.8	32.5°	9804.0	9484.1	7368.6	4345.7	3693.8	3662.8	3827.5	3946.9	4037.7	4073.5
9952.1	35°	10300.7	9715.7	6781.2	3827.5	3419.2	3493.3	3650.8	3591.2	3555.3	3536.2
10773.5	37.5°	10945.4	10028.5	6093.5	3490.9	3197.2	3371.5	3436.0	3249.7	3108.8	3039.6
11769.2	40°	11721.4	10486.9	5432.1	3230.6	3056.3	3266.4	3154.2	2929.8	2750.7	2652.8
12889.0	42.5°	12583.4	10966.9	4875.8	3034.8	2977.5	3180.5	2946.5	2679.0	2390.1	2359.1
14223.7	45°	13488.3	11461.1	4496.1	2884.4	2939.3	3106.4	2827.1	2394.9	2189.6	2316.1
15563.3	47.5°	14393.3	11914.8	4266.9	2772.2	2920.2	3022.9	2722.0	2237.3	2091.7	2275.5
16998.3	50°	15400.9	12320.7	4164.2	2691.0	2898.7	2989.4	2564.4	2196.7	1989.0	2110.8
18483.5	52.5°	16401.4	12635.9	4087.8	2609.8	2867.7	2963.2	2488.0	2149.0	1864.8	1872.0
19978.2	55°	17399.4	12841.2	4004.2	2502.3	2798.4	2905.9	2480.9	2096.4	1771.7	1738.3
21558.9	57.5°	18464.4	12958.2	3901.6	2383.0	2679.0	2760.2	2473.7	2055.8	1743.0	1688.1
23175.4	60°	19548.4	13130.2	3767.8	2237.3	2519.1	2585.9	2457.0	2041.5	1726.3	1633.2
24698.7	62.5°	20520.2	13189.9	3607.9	2098.8	2313.7	2414.0	2421.2	2029.6	1681.0	1521.0
25964.2	65°	21157.7	12932.0	3328.5	1941.2	2091.7	2237.3	2351.9	1989.0	1599.8	1439.8
26589.8	67.5°	21131.5	12196.6	2891.5	1738.3	1876.8	2041.5	2251.6	1919.7	1501.9	1339.5
26117.1	70°	20147.7	10744.8	2337.6	1501.9	1640.4	1831.4	2122.7	1817.1	1384.9	1229.7
23223.1	72.5°	17280.0	8409.6	1697.7	1224.9	1365.8	1614.1	1955.6	1692.9	1265.5	1131.8
17163.1	75°	12344.6	5322.3	1150.9	940.8	1062.5	1368.2	1747.8	1547.3	1155.7	1136.6
8595.9	77.5°	6306.0	2542.9	761.7	687.7	740.2	1079.3	1468.5	1382.5	1172.4	938.4
2445.0	80°	2051.1	938.4	479.9	468.0	491.9	718.7	1136.6	1134.2	888.2	637.5
592.2	82.5°	654.2	403.5	312.8	300.9	288.9	451.3	792.7	897.8	599.3	403.5
212.5	85°	260.3	241.2	183.9	169.5	121.8	212.5	415.5	596.9	446.5	291.3
54.9	87.5°	95.5	95.5	50.1	35.8	26.3	71.6	112.2	179.1	255.5	150.4
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>
6504.2
7008.0
7249.2
7201.4
6838.5
6248.7
5654.2
5210.0
4949.8
4847.1
4787.4
4727.7
4534.3
4092.6
3555.3
3056.3
2659.9
2390.1
2383.0
2361.5
2201.5
1922.1
1762.1
1695.3
1640.4
1521.0
1439.8
1346.7
1244.0
1124.6
1072.1
835.7
563.5
401.1
298.5
148.0
0.0

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