

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: P948112

Luminaire Tested: **GALN-SB3B-735-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-735-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16793 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

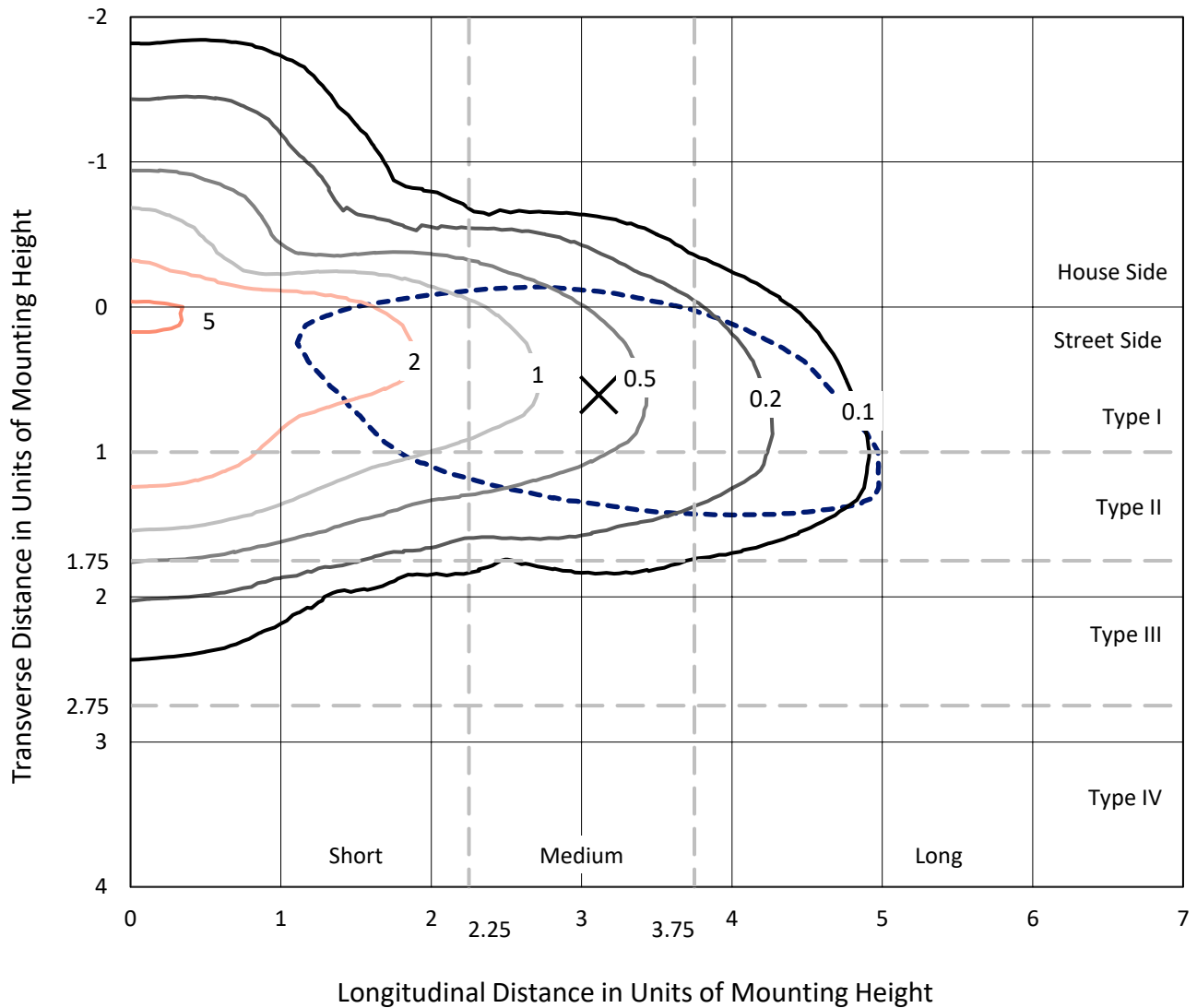
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

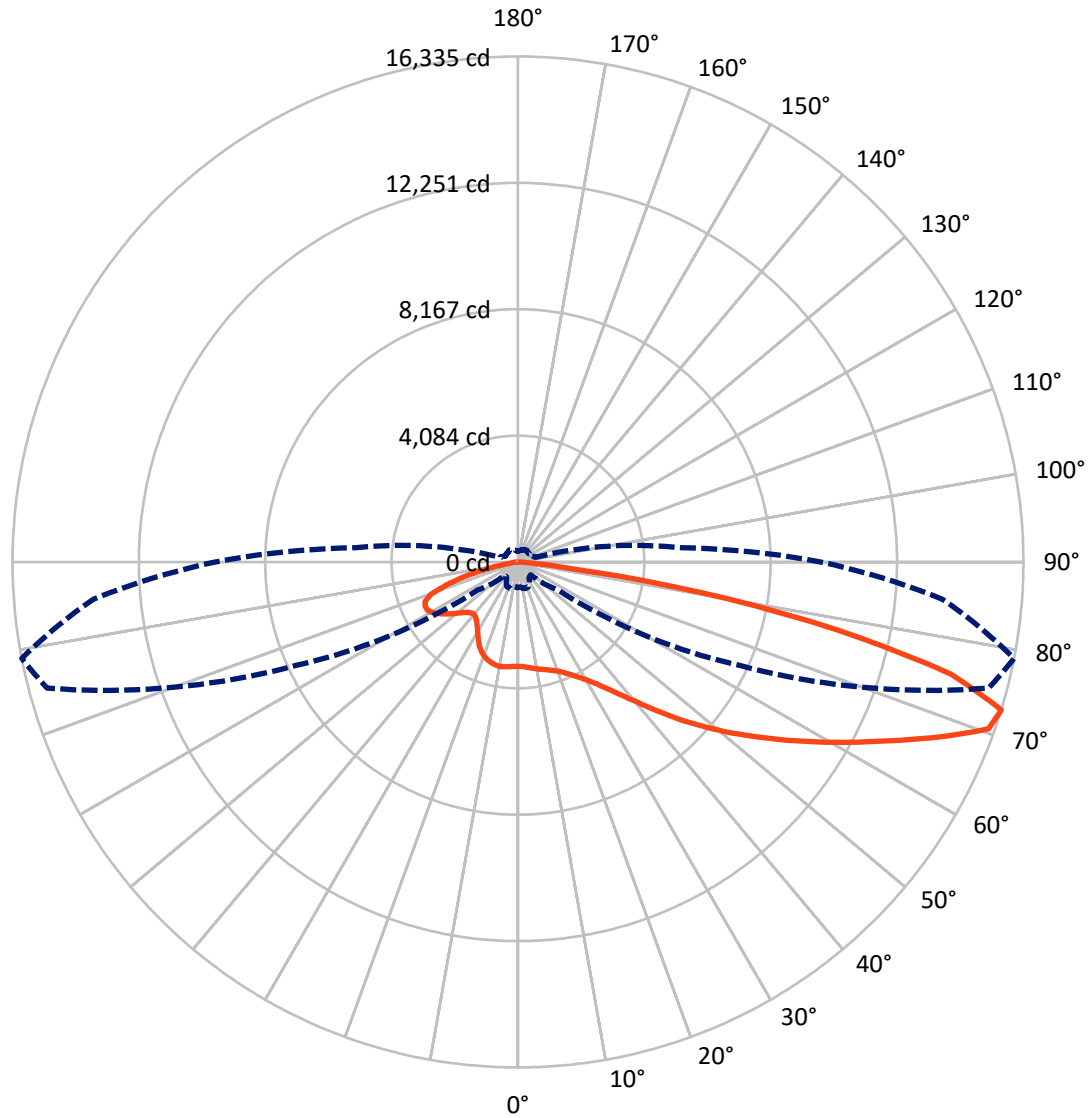
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3695.4	0.0	3695.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13097.6	0.0	13097.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	16793.0	0.0	16793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.0	1.8
10°-20°	800.0	4.8
20°-30°	1290.9	7.7
30°-40°	1937.5	11.5
40°-50°	2748.4	16.4
50°-60°	3470.9	20.7
60°-70°	3525.1	21.0
70°-80°	2402.5	14.3
80°-90°	311.7	1.9
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°	16793.0	100.0
0°-180°	16793.0	100.0

Coefficient of Utilization



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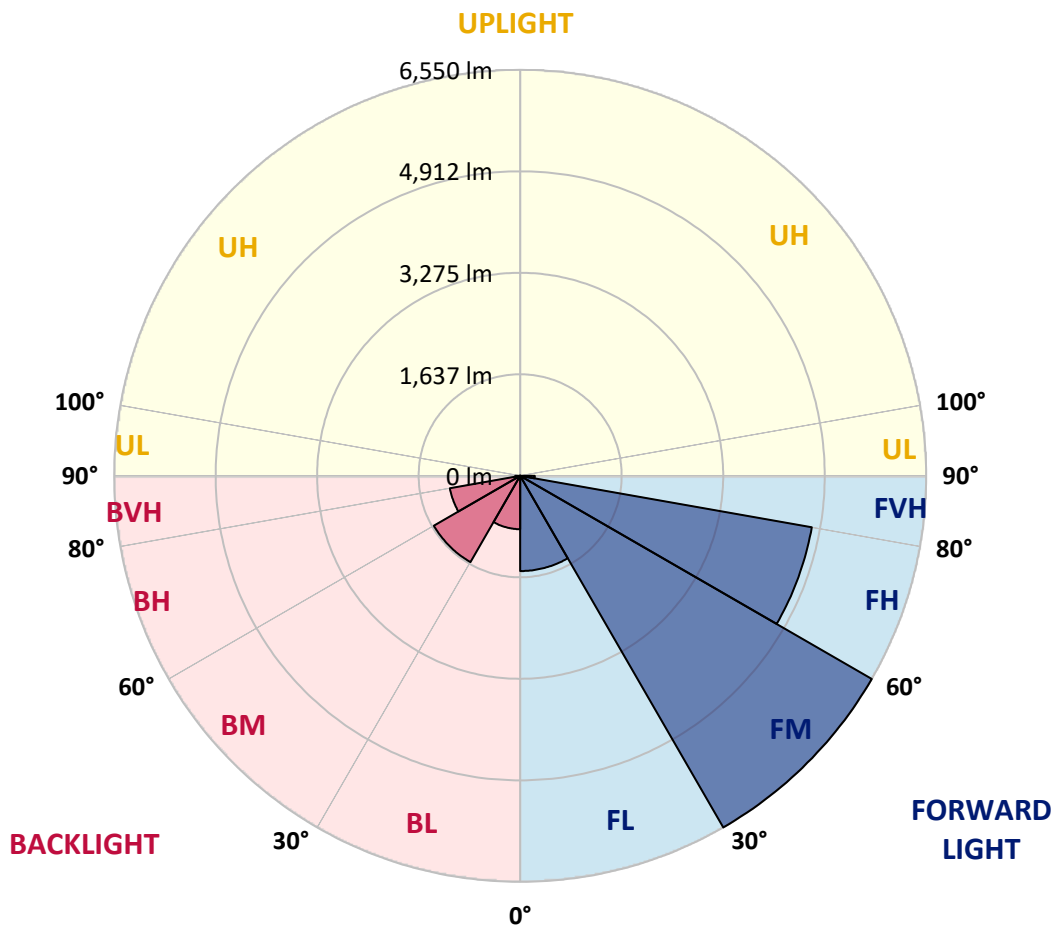
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1536.2	9.1			
FM (30°-60°)	6549.6	39.0			
FH (60°-80°)	4777.0	28.4			G2/5000
FVH (80°-90°)	234.8	1.4			G3/500
BL (0°-30°)	860.8	5.1	B2/1000		
BM (30°-60°)	1607.1	9.6	B2/2500		
BH (60°-80°)	1150.6	6.9	B3/2500		G3/2500
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: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
2.5°	3372.8	3356.8	3366.6	3363.0	3367.5	3372.8	3374.6	3377.3	3386.1	3385.2
5°	3365.7	3349.7	3363.0	3358.6	3370.1	3382.6	3393.2	3403.0	3417.2	3423.4
7.5°	3350.6	3339.9	3353.3	3366.6	3387.9	3406.6	3421.7	3443.9	3464.3	3467.9
10°	3262.7	3254.7	3285.8	3320.4	3379.0	3429.7	3462.5	3488.3	3510.5	3514.0
12.5°	3171.2	3161.4	3196.0	3243.1	3338.2	3429.7	3498.9	3532.7	3552.2	3563.8
15°	3156.1	3148.1	3167.6	3208.5	3287.5	3405.7	3523.8	3586.0	3602.9	3616.2
17.5°	3228.9	3213.8	3221.8	3236.0	3282.2	3383.5	3543.4	3646.4	3672.2	3686.4
20°	3397.7	3376.4	3363.9	3335.5	3327.5	3387.0	3541.6	3719.2	3753.0	3770.8
22.5°	3622.4	3608.2	3581.6	3509.6	3431.4	3430.6	3575.3	3812.5	3875.6	3892.5
25°	3894.2	3872.9	3839.2	3741.4	3591.3	3516.7	3632.2	3931.5	4037.2	4041.7
27.5°	4206.9	4174.9	4128.7	3999.9	3797.4	3651.7	3719.2	4068.3	4222.9	4221.1
30°	4536.5	4504.5	4455.6	4299.3	4044.4	3833.8	3840.0	4215.8	4443.2	4433.4
32.5°	4777.2	4753.2	4743.4	4622.6	4328.6	4048.8	3978.6	4379.2	4715.0	4706.1
35°	4962.0	4930.9	4942.4	4881.1	4638.6	4289.5	4148.3	4573.8	5045.4	5044.6
37.5°	5144.9	5117.4	5127.2	5086.3	4925.5	4595.1	4355.3	4811.8	5454.9	5474.5
40°	5311.9	5282.6	5321.7	5283.5	5148.5	4920.2	4590.6	5081.0	5929.3	5966.6
42.5°	5412.3	5389.2	5454.1	5454.9	5342.1	5194.7	4849.1	5377.7	6478.3	6561.7
45°	5447.0	5439.0	5536.7	5557.1	5513.6	5353.7	5081.9	5701.0	7069.8	7219.1
47.5°	5409.6	5394.5	5529.6	5605.1	5639.7	5428.3	5274.6	6051.0	7673.9	7892.4
50°	5221.3	5192.0	5392.8	5551.8	5675.2	5477.2	5469.2	6455.2	8360.5	8599.5
52.5°	4882.9	4860.7	5089.0	5365.2	5597.1	5501.1	5687.7	6896.6	9012.5	9321.6
55°	4450.3	4421.0	4672.4	5033.0	5402.5	5493.1	5906.2	7390.5	9781.8	10095.3
57.5°	3764.5	3705.9	4023.9	4450.3	5085.4	5483.4	6133.6	7881.7	10563.5	10939.2
60°	2764.3	2677.3	3067.2	3572.7	4465.4	5388.3	6415.2	8432.5	11501.5	11839.9
62.5°	1609.6	1558.9	1813.9	2285.6	3365.7	4828.7	6573.3	9072.9	12423.5	12778.8
65°	1249.8	1235.6	1257.8	1294.2	1873.4	3615.3	6085.6	9697.4	13596.1	13844.8
67.5°	1143.2	1132.6	1142.3	1073.9	950.5	2013.7	4814.5	9855.5	14852.1	15003.1
70°	1016.2	1003.8	1035.7	977.1	747.9	915.8	3110.8	9281.7	15851.4	16134.8
72.5°	827.9	813.7	888.3	861.6	629.8	588.0	1562.5	7918.2	15746.6	16334.6
75°	636.0	628.0	716.8	739.1	513.4	462.8	749.7	5885.8	13857.2	14449.7
77.5°	493.9	487.7	533.0	613.8	413.9	358.9	461.0	3733.5	10442.7	10546.6
80°	370.4	352.6	394.4	475.2	322.4	262.0	312.7	2177.2	6600.8	5983.5
82.5°	231.8	223.0	257.6	317.1	227.4	180.3	203.4	1202.7	2645.3	1558.0
85°	132.4	128.8	140.3	181.2	123.5	103.9	116.4	531.2	483.2	332.2
87.5°	53.3	51.5	64.0	80.8	45.3	38.2	40.9	127.9	106.6	98.6
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°
3371.0	0°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
3384.4	2.5°	3380.8	3380.8	3368.4	3348.8	3326.6	3312.4	3289.3	3283.1	3259.1	3252.0
3414.6	5°	3421.7	3414.6	3376.4	3321.3	3245.8	3176.5	3100.1	3052.1	2984.6	2960.6
3474.1	7.5°	3473.2	3453.6	3387.9	3267.1	3109.0	2953.5	2791.9	2669.3	2552.0	2510.3
3522.9	10°	3520.3	3492.7	3380.8	3169.4	2895.8	2626.7	2369.1	2188.7	2051.9	1996.0
3577.1	12.5°	3567.3	3516.7	3333.7	3006.8	2592.9	2227.8	1953.3	1813.0	1728.6	1661.1
3621.5	15°	3611.8	3540.7	3260.9	2789.2	2260.7	1890.3	1687.7	1575.8	1508.3	1463.9
3686.4	17.5°	3663.3	3561.1	3151.6	2513.0	1944.5	1656.6	1491.4	1423.9	1410.6	1405.3
3775.2	20°	3735.2	3579.8	3007.7	2203.8	1711.7	1470.1	1384.8	1378.6	1377.7	1375.1
3881.8	22.5°	3812.5	3602.0	2817.6	1923.1	1513.6	1353.7	1338.6	1326.2	1318.2	1317.3
4010.6	25°	3904.0	3609.1	2579.6	1693.1	1344.9	1298.7	1280.9	1262.3	1256.9	1256.9
4157.2	27.5°	3992.8	3585.1	2302.4	1493.2	1249.8	1248.0	1224.9	1218.7	1217.8	1220.5
4324.2	30°	4081.7	3539.8	2027.1	1308.4	1194.7	1194.7	1186.7	1191.2	1194.7	1203.6
4553.3	32.5°	4201.6	3491.8	1797.0	1171.6	1146.8	1137.9	1145.9	1154.8	1158.3	1169.9
4854.5	35°	4377.5	3458.1	1614.0	1097.0	1097.0	1085.5	1089.9	1088.1	1080.2	1074.8
5218.7	37.5°	4610.2	3456.3	1463.0	1062.4	1055.3	1053.5	1054.4	1042.8	1011.8	974.4
5659.3	40°	4890.0	3504.3	1346.6	1038.4	1033.1	1043.7	1038.4	1007.3	922.0	857.2
6201.1	42.5°	5265.7	3641.1	1272.0	1009.1	1025.1	1038.4	1017.1	909.6	851.9	808.3
6818.5	45°	5708.1	3863.1	1233.8	978.0	1010.0	1026.0	922.9	875.8	829.7	777.2
7491.8	47.5°	6209.1	4143.0	1224.9	948.7	976.2	986.0	883.0	861.6	809.2	752.4
8168.7	50°	6754.5	4474.3	1248.9	914.0	927.4	893.6	869.6	850.1	795.9	739.9
8862.4	52.5°	7318.6	4839.4	1296.9	867.0	878.5	841.2	864.3	847.4	787.9	712.4
9579.2	55°	7872.9	5207.1	1343.1	811.9	828.8	794.1	849.2	836.8	751.5	666.2
10344.1	57.5°	8436.0	5573.1	1388.4	763.0	780.8	748.8	825.2	808.3	710.6	623.6
11179.0	60°	9021.4	5928.4	1409.7	716.0	728.4	707.1	788.8	759.5	664.4	580.0
11999.8	62.5°	9569.5	6224.2	1375.1	668.9	676.9	668.0	740.8	701.7	618.2	531.2
12855.2	65°	10119.3	6400.1	1268.5	622.7	624.5	620.0	673.3	639.6	564.1	488.6
13604.1	67.5°	10617.7	6498.7	1098.8	572.9	568.5	566.7	610.3	572.1	511.7	445.9
14173.4	70°	10723.4	6248.2	839.4	514.3	514.3	509.9	541.0	501.9	453.9	400.6
13765.7	72.5°	9794.2	5256.0	596.0	447.7	454.8	445.9	471.7	438.8	395.3	359.8
11863.9	75°	7897.7	3854.3	433.5	379.3	391.7	376.6	400.6	377.5	340.2	339.3
8175.8	77.5°	5426.5	2383.3	314.5	312.7	321.6	302.0	329.6	317.1	283.4	268.3
3558.5	80°	2315.8	950.5	229.2	241.6	241.6	223.8	255.8	259.4	230.1	223.0
686.6	82.5°	461.0	270.0	160.8	166.1	156.3	151.0	181.2	200.8	277.1	308.2
207.0	85°	138.6	99.5	96.8	90.6	79.9	80.8	106.6	201.6	248.7	142.1
68.4	87.5°	38.2	24.9	25.8	20.4	16.9	22.2	36.4	152.8	83.5	35.5
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>
3371.0
3263.6
2978.4
2515.6
2008.4
1683.3
1471.9
1408.8
1383.9
1327.1
1262.3
1227.6
1209.8
1179.6
1087.3
975.3
855.4
806.6
773.7
747.9
733.7
707.1
661.8
621.8
577.4
530.3
483.2
440.6
398.8
349.1
305.6
251.4
223.0
309.1
122.6
30.2
0.0

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