

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: P942167

Luminaire Tested: **GALN-SB6A-750-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-750-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28798 lumens
Efficiency: N/A
Efficacy: 168.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

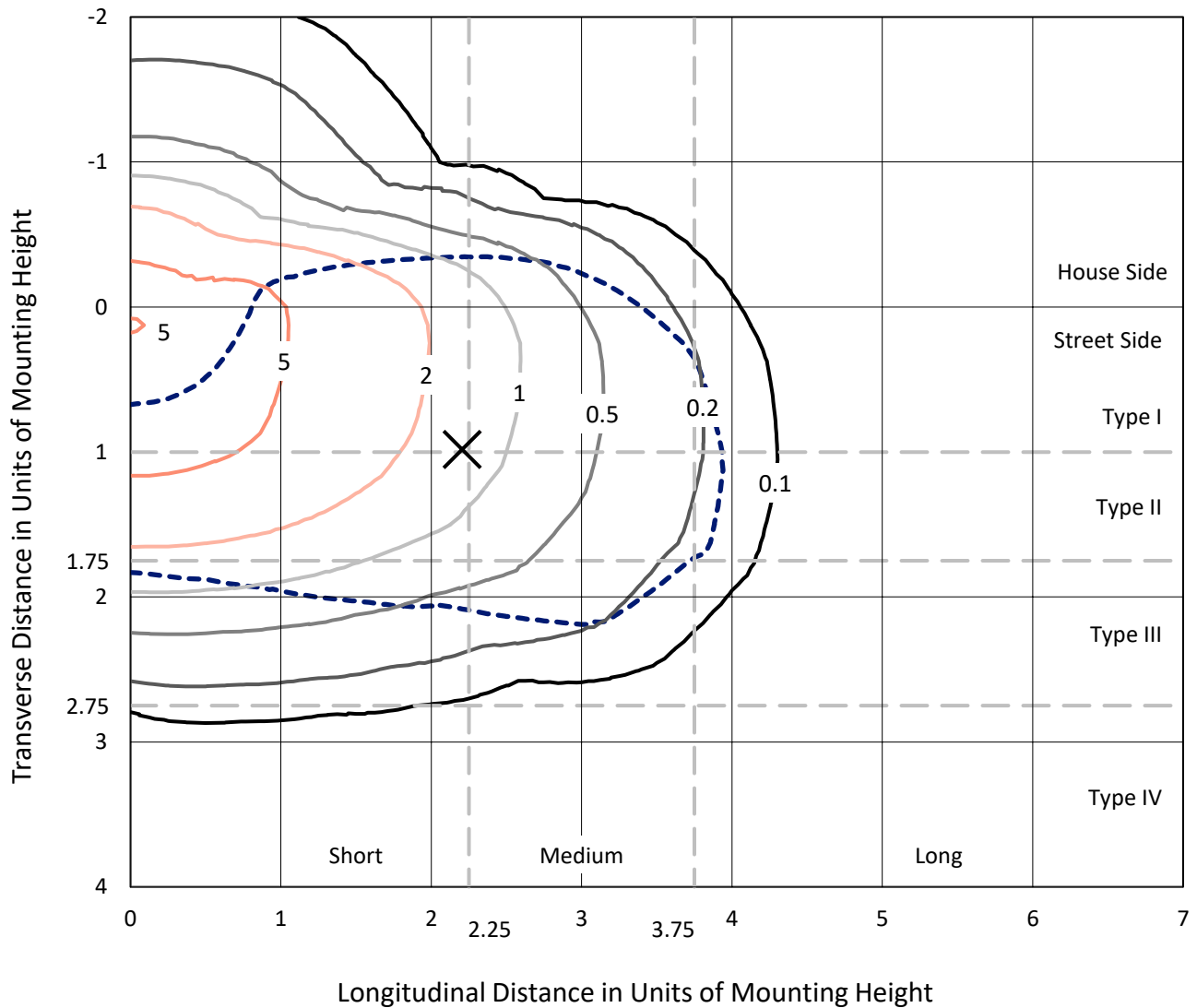
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

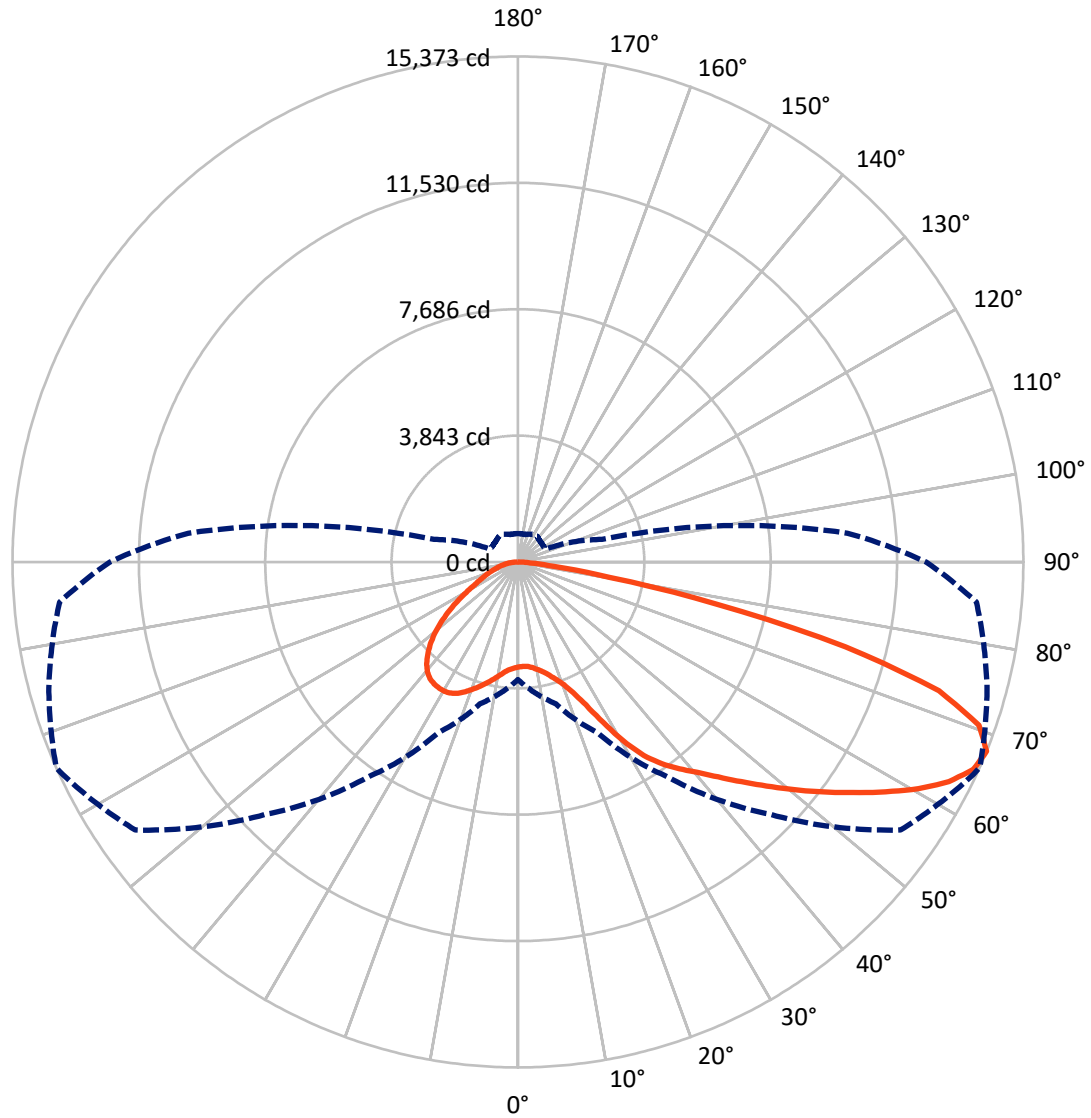
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7160.5	0.0	7160.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	21637.5	0.0	21637.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	28798.0	0.0	28798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.7	1.1
10°-20°	1046.3	3.6
20°-30°	2016.6	7.0
30°-40°	3535.9	12.3
40°-50°	5256.7	18.3
50°-60°	6663.4	23.1
60°-70°	6520.0	22.6
70°-80°	3110.1	10.8
80°-90°	332.4	1.2
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°	28798.0	100.0
0°-180°	28798.0	100.0

Coefficient of Utilization



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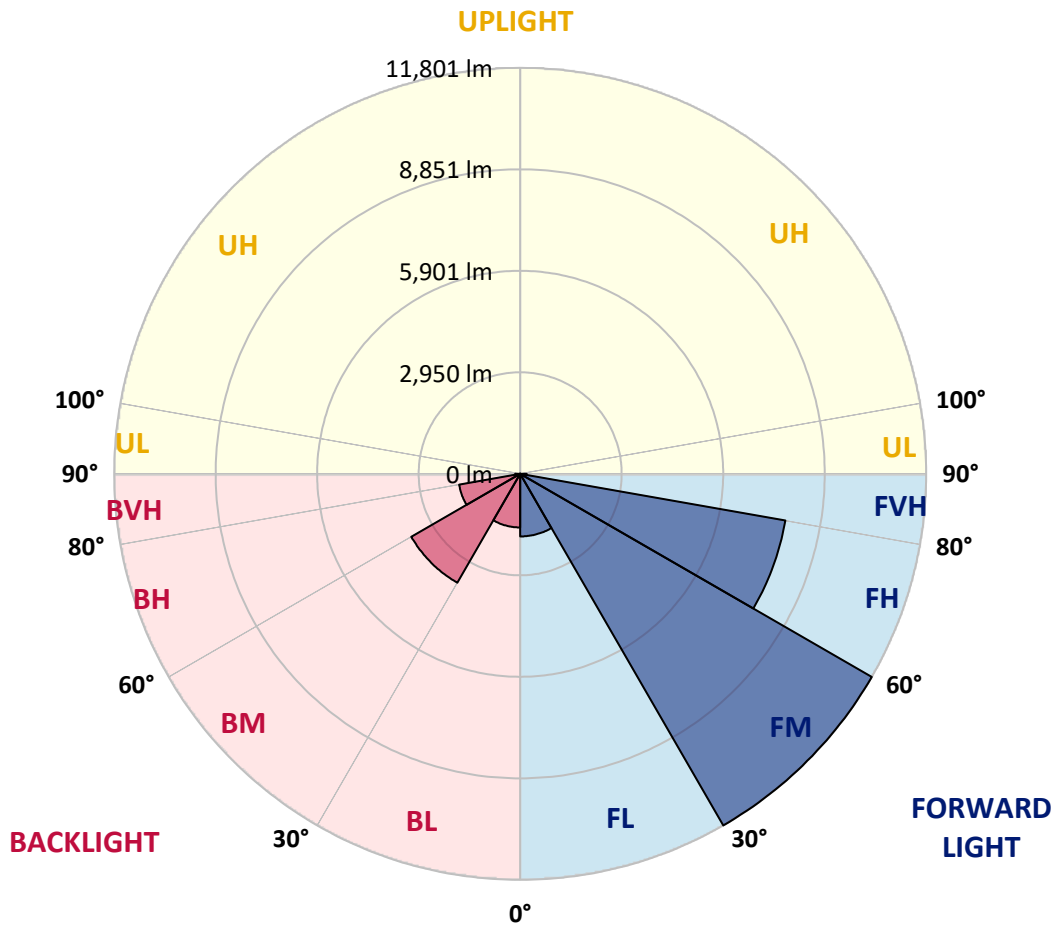
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1819.7	6.3			
FM (30°-60°)	11801.2	41.0			
FH (60°-80°)	7828.1	27.2			G4/12000
FVH (80°-90°)	188.4	0.7			G2/225
BL (0°-30°)	1559.8	5.4	B3/2500		
BM (30°-60°)	3654.8	12.7	B3/5000		
BH (60°-80°)	1802.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	143.9	0.5			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1
2.5°	3160.8	3178.9	3174.4	3166.8	3165.3	3168.4	3172.9	3177.4	3175.9	3183.5
5°	3151.7	3169.9	3168.4	3168.4	3174.4	3186.5	3194.1	3201.6	3194.1	3203.2
7.5°	3157.8	3171.4	3177.4	3183.5	3198.6	3221.3	3239.5	3256.1	3247.0	3257.6
10°	3234.9	3245.5	3251.6	3251.6	3262.2	3287.9	3306.0	3336.3	3328.7	3345.4
12.5°	3375.6	3386.2	3386.2	3380.2	3387.8	3404.4	3410.4	3443.7	3430.1	3457.4
15°	3548.1	3569.3	3552.7	3542.1	3545.1	3561.8	3560.2	3586.0	3572.3	3595.0
17.5°	3738.8	3766.0	3738.8	3737.3	3731.2	3749.4	3750.9	3773.6	3749.4	3766.0
20°	3964.2	4002.1	3979.4	3986.9	3973.3	3980.9	3988.4	4021.7	3983.9	3996.0
22.5°	4282.0	4327.4	4303.2	4331.9	4322.8	4316.8	4315.3	4374.3	4315.3	4319.8
25°	4745.0	4799.4	4757.1	4796.4	4796.4	4816.1	4838.8	4914.4	4816.1	4787.3
27.5°	5428.9	5483.3	5400.1	5424.3	5416.8	5465.2	5441.0	5628.6	5522.7	5475.8
30°	6252.0	6348.8	6191.5	6185.4	6177.8	6255.0	6289.8	6413.9	6306.5	6259.5
32.5°	7141.7	7243.0	7055.4	7000.9	6972.2	7019.1	6990.4	7090.2	7016.1	6943.5
35°	8082.8	8182.7	8004.1	7898.2	7783.2	7684.9	7582.0	7607.7	7538.1	7427.6
37.5°	8972.5	9155.6	8966.4	8852.9	8641.1	8449.0	8161.5	8041.9	7976.9	7875.5
40°	9878.8	9983.2	9839.5	9742.6	9512.6	9211.5	8751.6	8498.9	8411.1	8312.8
42.5°	10546.1	10645.9	10568.8	10502.2	10322.1	9972.6	9378.0	9061.7	8934.6	8824.2
45°	11075.6	11149.8	11101.4	11125.6	11048.4	10709.5	10027.1	9665.5	9533.8	9399.2
47.5°	11289.0	11367.7	11444.8	11588.6	11720.2	11470.5	10724.6	10319.1	10179.9	10042.2
50°	11264.8	11345.0	11568.9	11874.5	12283.1	12199.8	11459.9	11015.1	10886.5	10729.1
52.5°	11071.1	11161.9	11449.4	11957.7	12608.4	12746.1	12208.9	11733.8	11612.8	11425.1
55°	10562.7	10617.2	11048.4	11768.6	12685.5	13127.3	12942.8	12499.4	12378.4	12116.6
57.5°	9620.1	9698.7	10326.7	11258.7	12491.9	13386.1	13587.3	13304.4	13187.9	12811.1
60°	8389.9	8515.5	9234.2	10402.3	11998.6	13384.6	14172.9	14095.7	13998.9	13495.0
62.5°	6997.9	7143.2	7834.6	9191.9	11136.2	13004.8	14539.0	14758.4	14708.5	14126.0
65°	5374.4	5474.3	6162.7	7625.8	9794.1	12189.2	14581.4	15210.8	15219.9	14605.6
67.5°	3578.4	3865.9	4463.5	5722.4	7996.5	10856.2	14209.2	15285.0	15372.7	14770.5
70°	1746.1	2124.3	2709.9	3719.1	5722.4	8812.1	13236.3	14676.7	14871.9	14289.4
72.5°	724.8	847.3	1166.6	1835.3	3284.9	5946.3	11281.4	13027.5	13389.1	12661.3
75°	488.7	529.6	667.3	941.1	1496.4	2932.3	8135.7	9713.9	10296.4	9562.6
77.5°	376.8	402.5	485.7	658.2	889.7	1109.1	4354.6	5854.0	6155.1	5698.2
80°	296.6	316.2	363.1	479.6	630.9	593.1	1484.3	2652.4	2826.4	2371.0
82.5°	257.2	264.8	260.2	325.3	419.1	346.5	487.2	979.0	1080.3	783.8
85°	186.1	207.3	216.4	201.2	222.4	175.5	199.7	346.5	381.3	340.4
87.5°	75.7	112.0	137.7	130.1	81.7	49.9	62.0	101.4	116.5	127.1
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°
3194.1	0°	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1	3194.1
3195.6	2.5°	3197.1	3207.7	3215.3	3224.3	3230.4	3239.5	3257.6	3268.2	3269.7	3277.3
3219.8	5°	3225.9	3241.0	3257.6	3281.8	3309.1	3331.8	3366.6	3390.8	3399.9	3407.4
3278.8	7.5°	3287.9	3309.1	3339.3	3381.7	3421.0	3451.3	3493.7	3522.4	3551.2	3561.8
3372.6	10°	3380.2	3410.4	3454.3	3511.8	3554.2	3593.5	3637.4	3661.6	3690.4	3702.5
3484.6	12.5°	3495.2	3527.0	3584.4	3664.6	3704.0	3731.2	3746.3	3740.3	3746.3	3756.9
3619.2	15°	3626.8	3661.6	3726.7	3812.9	3840.2	3815.9	3782.7	3752.4	3747.9	3750.9
3782.7	17.5°	3782.7	3808.4	3884.0	3956.7	3937.0	3837.1	3764.5	3716.1	3691.9	3684.3
3991.5	20°	4000.5	4000.5	4062.6	4108.0	3976.3	3806.9	3693.4	3614.7	3564.8	3543.6
4275.9	22.5°	4265.3	4241.1	4280.5	4248.7	3968.8	3722.1	3564.8	3428.6	3353.0	3322.7
4673.9	25°	4601.2	4572.5	4561.9	4365.2	3914.3	3587.5	3331.8	3166.8	3100.3	3083.6
5247.3	27.5°	5108.1	5035.5	4897.8	4428.7	3814.4	3375.6	3059.4	2906.6	2868.8	2870.3
5984.2	30°	5782.9	5637.7	5300.3	4439.3	3651.0	3076.1	2781.0	2672.1	2653.9	2661.5
6603.0	32.5°	6407.8	6270.1	5711.8	4390.9	3399.9	2782.5	2531.4	2458.7	2431.5	2440.6
7075.1	35°	6898.1	6860.2	6093.1	4322.8	3091.2	2507.1	2307.4	2245.4	2192.4	2180.3
7519.9	37.5°	7361.1	7345.9	6379.1	4227.5	2785.6	2312.0	2127.4	2045.7	1968.5	1926.1
8011.7	40°	7869.4	7854.3	6566.7	4080.7	2514.7	2142.5	1965.5	1858.0	1762.7	1685.6
8568.5	42.5°	8441.4	8352.1	6656.0	3870.4	2284.7	1998.8	1833.8	1688.6	1563.0	1491.9
9197.9	45°	9066.3	8865.0	6654.5	3602.6	2091.1	1867.1	1693.1	1487.3	1370.8	1304.3
9844.0	47.5°	9729.0	9355.3	6572.8	3306.0	1903.4	1721.9	1475.2	1317.9	1240.7	1199.9
10546.1	50°	10412.9	9813.7	6433.5	2965.6	1711.3	1556.9	1339.1	1231.6	1172.6	1134.8
11242.1	52.5°	11056.0	10229.8	6265.6	2579.8	1516.1	1396.6	1278.5	1195.3	1133.3	1090.9
11916.9	55°	11653.6	10588.4	6028.0	2184.9	1357.2	1289.1	1249.8	1180.2	1109.1	1059.1
12602.3	57.5°	12184.7	10821.4	5618.0	1814.2	1243.7	1215.0	1219.5	1154.5	1072.8	1030.4
13277.1	60°	12626.5	10992.4	5011.3	1470.7	1151.4	1142.4	1172.6	1106.1	1010.7	962.3
13847.6	62.5°	12891.3	10989.4	4266.8	1204.4	1072.8	1075.8	1110.6	1045.5	948.7	903.3
14145.6	65°	12868.6	10720.1	3449.8	1030.4	997.1	1000.1	1045.5	979.0	897.2	870.0
13995.8	67.5°	12413.2	10063.4	2646.3	916.9	913.9	927.5	980.5	933.6	865.5	862.4
13103.1	70°	11180.0	8700.1	1906.5	826.1	827.6	847.3	916.9	904.8	848.8	854.9
11016.6	72.5°	8964.9	6633.3	1280.1	730.8	732.3	764.1	856.4	882.1	832.2	912.4
7816.5	75°	5970.6	4136.7	823.1	629.4	630.9	671.8	803.4	838.2	786.8	909.4
4067.1	77.5°	2868.8	1859.6	596.1	529.6	529.6	567.4	694.5	750.5	670.3	706.6
1307.3	80°	991.1	699.0	469.0	426.7	417.6	443.3	585.6	650.6	578.0	532.6
426.7	82.5°	390.4	363.1	376.8	331.4	301.1	317.7	455.4	537.1	425.2	384.3
240.6	85°	223.9	236.0	266.3	219.4	174.0	195.2	334.4	385.8	320.8	282.9
78.7	87.5°	60.5	83.2	122.6	113.5	78.7	83.2	158.9	213.3	184.6	142.2
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°
3194.1
3275.8
3405.9
3563.3
3708.5
3760.0
3761.5
3694.9
3539.1
3318.2
3086.7
2874.8
2687.2
2452.7
2189.4
1927.6
1693.1
1496.4
1301.2
1190.8
1121.2
1072.8
1039.5
1003.2
941.1
889.7
868.5
867.0
853.4
924.5
916.9
647.6
499.3
382.8
289.0
146.8
0.0

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