

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: P948501

Luminaire Tested: **GALN-SB3C-740-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-740-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19792 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

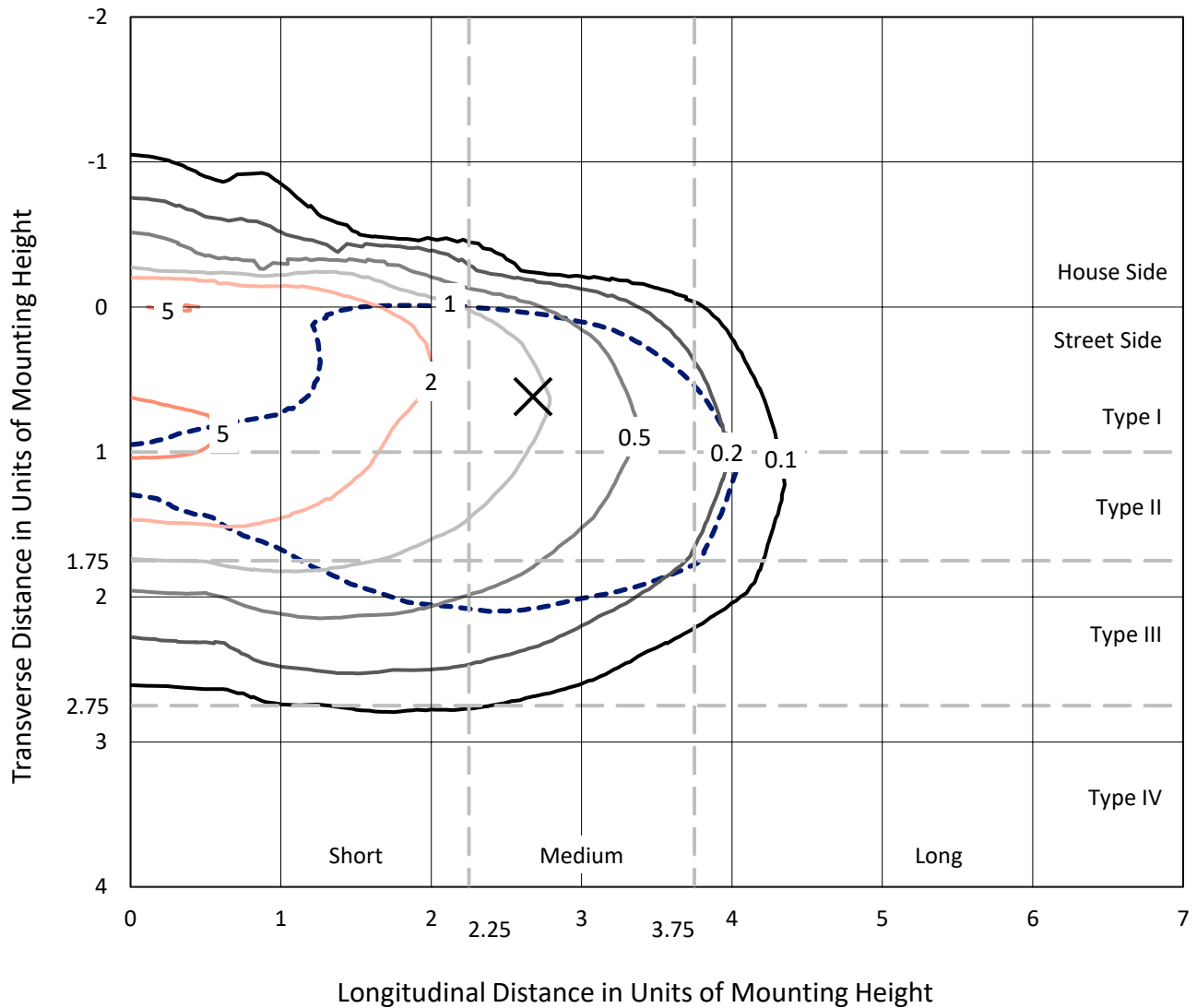
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

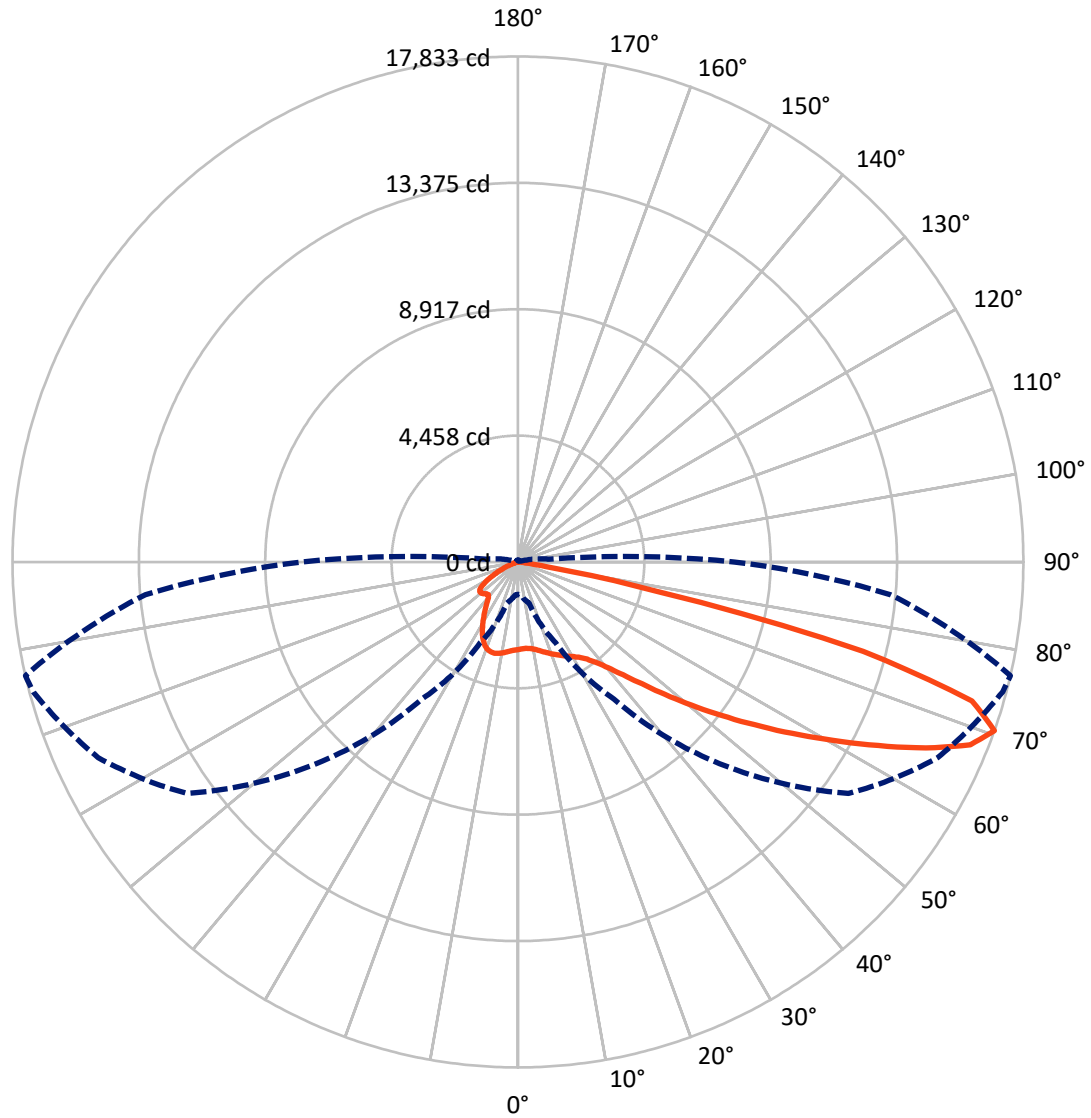
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
House Side	Lumens	2086.3	0.0	2086.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	17705.6	0.0	17705.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	19792.0	0.0	19792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.1	1.3
10°-20°	631.6	3.2
20°-30°	976.9	4.9
30°-40°	1772.7	9.0
40°-50°	3346.2	16.9
50°-60°	4834.9	24.4
60°-70°	5146.7	26.0
70°-80°	2727.4	13.8
80°-90°	89.5	0.5
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°	19792.0	100.0
0°-180°	19792.0	100.0

Coefficient of Utilization



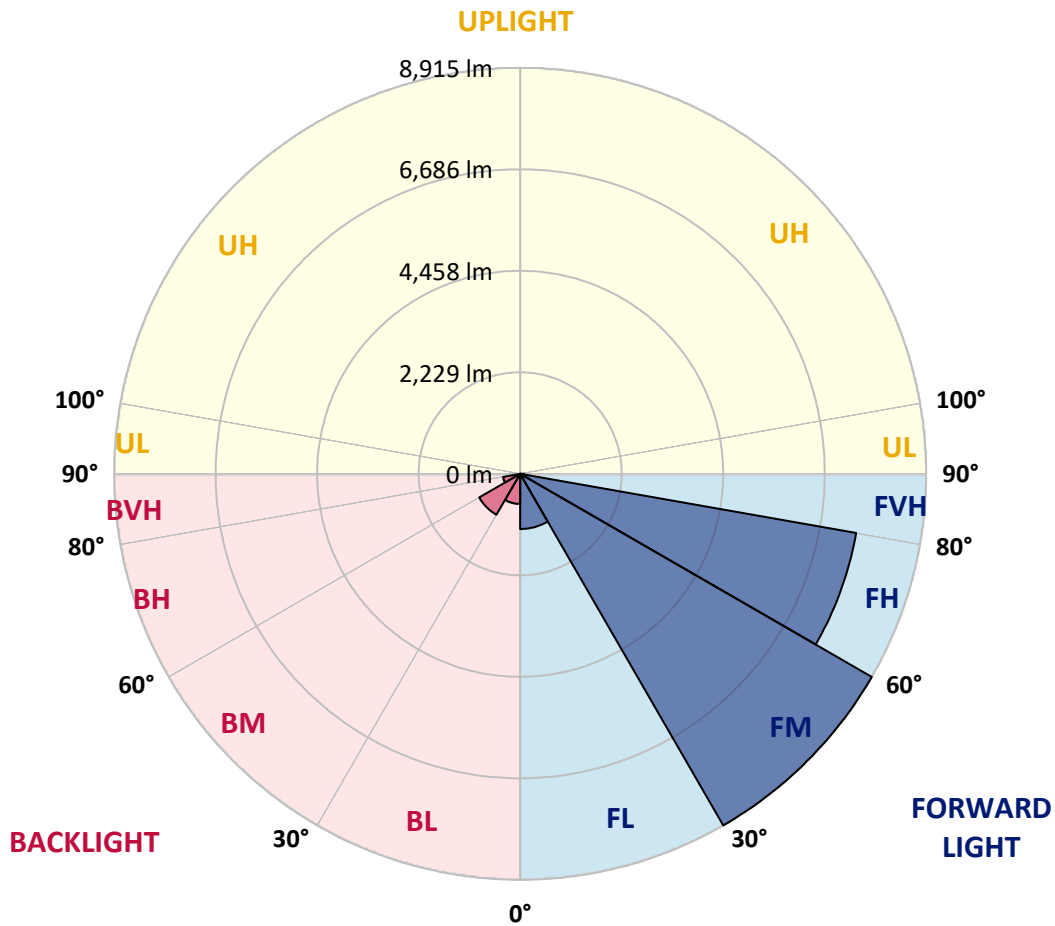
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1211.7	6.1			
FM (30°-60°)	8915.2	45.0			
FH (60°-80°)	7491.6	37.9			G3/7500
FVH (80°-90°)	87.1	0.4			G1/100
BL (0°-30°)	662.9	3.3	B2/1000		
BM (30°-60°)	1038.6	5.2	B2/2500		
BH (60°-80°)	382.5	1.9	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2
2.5°	2898.5	2924.7	2921.0	2938.5	2944.7	2969.7	2994.7	3028.5	3065.9	3064.7
5°	2734.7	2761.0	2767.2	2791.0	2821.0	2859.7	2911.0	2978.5	3048.4	3059.7
7.5°	2541.0	2568.5	2584.7	2632.2	2687.2	2767.2	2851.0	2949.7	3065.9	3082.2
10°	2347.3	2372.3	2393.5	2461.0	2548.5	2667.2	2803.5	2946.0	3102.2	3125.9
12.5°	2227.3	2251.0	2274.8	2333.5	2442.3	2587.2	2772.2	2963.5	3162.2	3195.9
15°	2184.8	2206.0	2224.8	2277.3	2378.5	2543.5	2766.0	2999.7	3238.4	3283.4
17.5°	2191.0	2202.3	2214.8	2254.8	2353.5	2523.5	2777.2	3062.2	3328.4	3368.4
20°	2227.3	2233.5	2234.8	2262.3	2349.8	2521.0	2799.7	3122.2	3413.4	3467.2
22.5°	2273.5	2276.0	2273.5	2292.3	2373.5	2539.7	2829.7	3194.7	3508.4	3558.4
25°	2489.8	2442.3	2382.3	2346.0	2413.5	2576.0	2874.7	3292.2	3612.1	3660.9
27.5°	3160.9	3024.7	2809.7	2568.5	2496.0	2628.5	2937.2	3390.9	3717.1	3760.9
30°	4250.8	4072.1	3707.1	3163.4	2761.0	2738.5	3018.5	3489.7	3828.4	3875.9
32.5°	5343.2	5299.5	4878.3	4125.8	3357.2	2983.5	3153.4	3623.4	3975.9	4013.4
35°	6448.1	6359.4	6014.4	5270.7	4275.8	3482.2	3378.4	3798.4	4169.6	4212.1
37.5°	7294.3	7240.5	7026.8	6414.4	5365.7	4252.1	3763.4	4069.6	4450.8	4498.3
40°	8041.7	8016.7	7944.2	7540.5	6584.3	5259.5	4362.1	4489.6	4840.8	4897.0
42.5°	8629.1	8687.9	8729.1	8616.6	7840.5	6409.4	5167.0	5079.5	5384.5	5442.0
45°	9230.3	9250.3	9416.6	9579.1	9087.9	7611.7	6074.4	5770.7	6060.7	6131.9
47.5°	9616.5	9696.5	9989.0	10275.2	10136.5	8804.1	7049.3	6586.8	6844.3	6978.1
50°	9645.3	9796.5	10199.0	10697.7	10900.2	9939.0	8109.2	7516.8	7790.5	7938.0
52.5°	9166.6	9401.6	10025.3	10755.2	11312.6	10900.2	9205.3	8446.7	8797.9	8990.4
55°	7028.1	7335.5	9371.6	10442.7	11328.9	11628.8	10272.7	9415.3	9920.3	10137.7
57.5°	6123.1	6278.1	7368.0	9900.3	11027.7	11922.6	11237.6	10337.7	11141.4	11411.4
60°	5094.5	5298.2	6179.4	9012.9	10618.9	11951.3	12090.1	11527.6	12465.0	12768.7
62.5°	3462.2	3683.4	4559.5	7488.0	10060.3	11937.6	12788.7	12752.5	13936.1	14262.3
65°	2144.8	2283.5	2861.0	6114.4	9279.1	11952.6	13519.9	14239.8	15488.5	15819.7
67.5°	1694.8	1758.6	2059.8	4694.5	7933.0	11615.1	14249.8	15638.5	16949.6	17212.0
70°	1138.6	1177.4	1498.6	3147.2	5901.9	10057.8	14236.1	16340.9	17702.0	17833.2
72.5°	599.9	629.9	876.2	1457.4	3564.6	7149.3	12000.1	15501.0	16953.3	16755.8
75°	300.0	350.0	589.9	739.9	1522.3	3987.1	7451.8	12221.3	13343.7	12578.8
77.5°	227.5	275.0	487.5	487.5	529.9	1342.4	3155.9	6665.6	6148.1	5119.5
80°	145.0	187.5	426.2	368.7	221.2	341.2	822.4	1867.3	1306.1	993.7
82.5°	85.0	122.5	355.0	243.7	123.7	126.2	232.5	397.5	338.7	263.7
85°	33.7	80.0	243.7	96.2	48.7	31.2	70.0	85.0	70.0	52.5
87.5°	0.0	18.7	42.5	0.0	3.7	2.5	5.0	6.2	6.2	5.0
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°
3087.2	0°	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2	3087.2
3089.7	2.5°	3100.9	3103.4	3110.9	3112.2	3094.7	3072.2	3063.4	3059.7	3044.7	3043.4
3109.7	5°	3138.4	3149.7	3138.4	3105.9	3028.5	2919.7	2837.2	2769.7	2708.5	2689.7
3178.4	7.5°	3213.4	3224.7	3190.9	3063.4	2868.5	2652.2	2457.3	2319.8	2196.0	2149.8
3262.2	10°	3320.9	3335.9	3229.7	2972.2	2627.2	2279.8	1949.8	1717.3	1536.1	1462.4
3375.9	12.5°	3455.9	3462.2	3250.9	2833.5	2313.5	1817.3	1349.9	1101.1	939.9	879.9
3513.4	15°	3604.6	3595.9	3253.4	2644.7	1886.1	1284.9	881.2	723.7	658.7	638.7
3650.9	17.5°	3760.9	3724.6	3203.4	2372.3	1417.4	878.7	653.7	616.2	604.9	599.9
3787.1	20°	3914.6	3833.4	3112.2	2016.1	1017.4	656.2	593.7	582.4	576.2	573.7
3924.6	22.5°	4054.6	3915.9	2956.0	1602.3	738.7	579.9	561.2	551.2	539.9	534.9
4058.3	25°	4190.8	3963.4	2736.0	1216.1	591.2	542.4	527.4	508.7	493.7	487.5
4202.1	27.5°	4323.3	3993.4	2461.0	899.9	527.4	507.4	480.0	453.7	442.5	440.0
4355.8	30°	4464.6	4003.4	2148.5	671.2	488.7	463.7	423.7	393.7	387.5	388.7
4563.3	32.5°	4637.0	4018.4	1833.6	549.9	456.2	411.2	363.7	332.5	327.5	332.5
4865.8	35°	4843.3	4048.3	1529.8	506.2	427.5	357.5	306.2	280.0	275.0	278.7
5253.2	37.5°	5123.2	4097.1	1246.1	497.5	403.7	312.5	257.5	236.2	236.2	237.5
5728.2	40°	5495.7	4227.1	992.4	491.2	391.2	278.7	217.5	208.7	212.5	215.0
6333.1	42.5°	5949.4	4503.3	821.2	483.7	377.5	263.7	197.5	193.7	200.0	202.5
7058.1	45°	6458.1	4853.3	761.2	471.2	365.0	273.7	188.7	183.7	191.2	192.5
7870.5	47.5°	6984.3	5195.7	753.7	457.5	352.5	288.7	186.2	175.0	183.7	185.0
8737.9	50°	7516.8	5419.5	761.2	436.2	332.5	288.7	187.5	166.2	173.7	177.5
9637.8	52.5°	8053.0	5522.0	756.2	390.0	297.5	271.2	187.5	158.7	166.2	168.7
10610.2	55°	8572.9	5502.0	679.9	321.2	252.5	240.0	182.5	152.5	157.5	158.7
11528.9	57.5°	8984.1	5223.2	538.7	250.0	205.0	200.0	166.2	145.0	148.7	147.5
12371.3	60°	9199.1	4610.8	385.0	192.5	161.2	157.5	146.2	135.0	137.5	131.2
13085.0	62.5°	9201.6	3800.9	257.5	152.5	128.7	125.0	125.0	121.2	118.7	106.2
13637.4	65°	9005.4	2902.2	171.2	121.2	103.7	97.5	105.0	103.7	95.0	77.5
13806.1	67.5°	8560.4	1902.3	130.0	95.0	80.0	76.2	83.7	87.5	81.2	65.0
13191.2	70°	7645.5	1107.4	107.5	73.7	60.0	56.2	67.5	75.0	67.5	52.5
11275.1	72.5°	6350.6	597.4	87.5	55.0	41.2	37.5	53.7	61.2	53.7	38.7
7234.3	75°	4120.8	320.0	67.5	36.2	21.2	23.7	40.0	45.0	37.5	25.0
2123.5	77.5°	1383.6	141.2	42.5	17.5	10.0	10.0	23.7	27.5	17.5	8.7
386.2	80°	308.7	58.7	17.5	7.5	3.7	3.7	5.0	5.0	2.5	0.0
118.7	82.5°	101.2	23.7	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
30.0	85°	38.7	8.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	87.5°	15.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3087.2
3045.9
2678.5
2131.0
1431.1
861.2
638.7
598.7
571.2
533.7
485.0
437.5
388.7
331.2
277.5
236.2
215.0
202.5
193.7
186.2
178.7
168.7
158.7
147.5
130.0
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