

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: P943946

Luminaire Tested: **GALN-SB8C-930-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33039 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

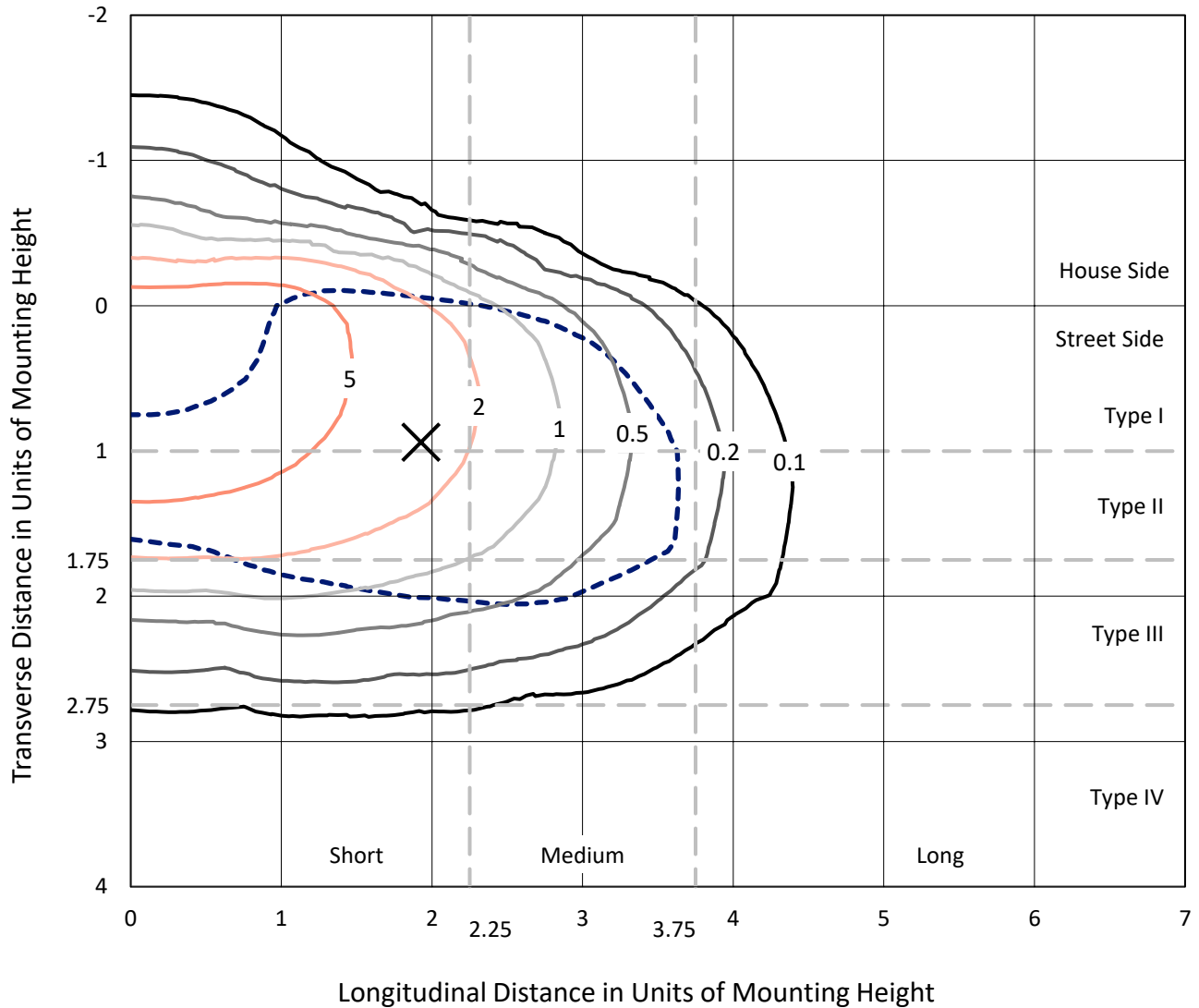
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943946
 CATALOG NUMBER: GALN-SB8C-930-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

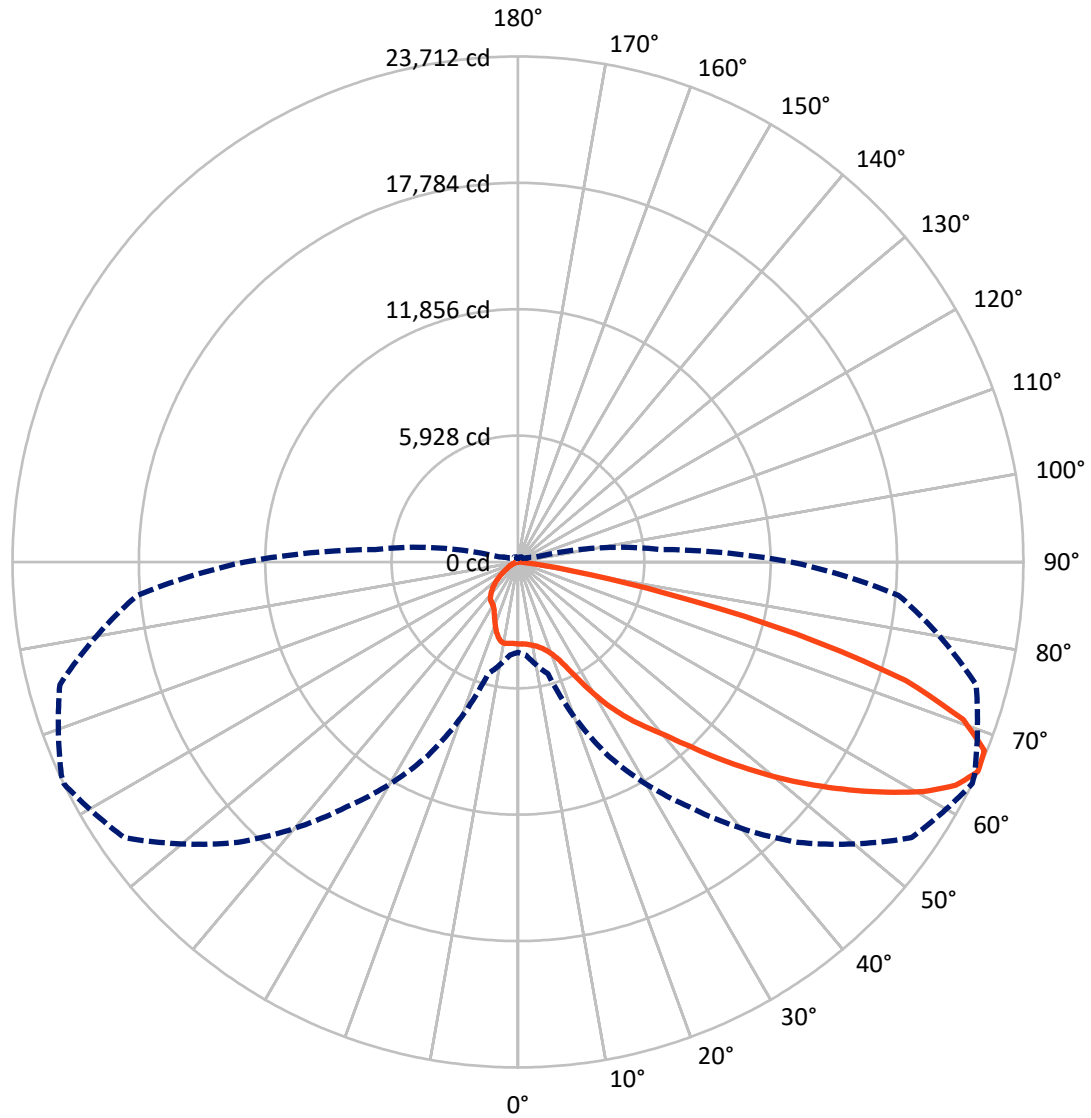
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

REPORT NUMBER: P943946
CATALOG NUMBER: GALN-SB8C-930-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4418.3	0.0	4418.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	28620.7	0.0	28620.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	33039.0	0.0	33039.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.5	1.1
10°-20°	961.6	2.9
20°-30°	1822.1	5.5
30°-40°	3687.2	11.2
40°-50°	6281.1	19.0
50°-60°	8541.9	25.9
60°-70°	8021.2	24.3
70°-80°	3213.6	9.7
80°-90°	155.7	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°	33039.0	100.0
0°-180°	33039.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943946

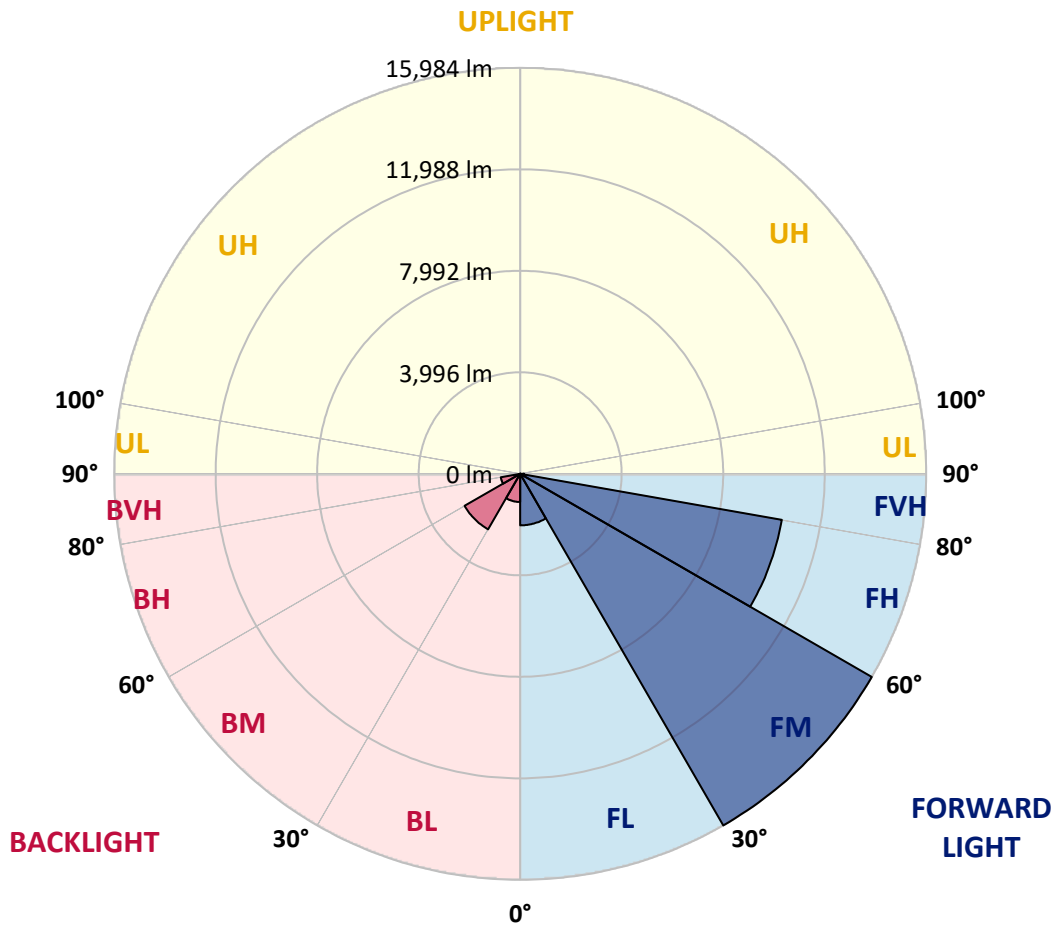
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2029.0	6.1			
FM (30°-60°)	15984.2	48.4			
FH (60°-80°)	10459.4	31.7			G4/12000
FVH (80°-90°)	148.1	0.4			G2/225
BL (0°-30°)	1109.3	3.4	B3/2500		
BM (30°-60°)	2525.9	7.6	B3/5000		
BH (60°-80°)	775.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.6	0.0			G0/10
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



REPORT NUMBER: P943946

CATALOG NUMBER: GALN-SB8C-930-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8
2.5°	3829.5	3856.1	3849.4	3842.8	3840.6	3845.0	3847.2	3845.0	3845.0	3845.0
5°	3756.4	3778.5	3778.5	3794.1	3816.2	3842.8	3862.7	3867.1	3871.6	3878.2
7.5°	3616.9	3634.6	3647.9	3698.8	3754.2	3825.1	3884.9	3915.9	3920.3	3944.7
10°	3521.6	3543.8	3565.9	3619.1	3698.8	3805.1	3907.0	3982.3	3993.4	4051.0
12.5°	3517.2	3539.3	3568.1	3625.7	3718.7	3831.7	3955.7	4064.3	4084.2	4168.4
15°	3563.7	3590.3	3616.9	3687.7	3787.4	3924.7	4057.6	4192.7	4212.7	4332.3
17.5°	3658.9	3694.4	3714.3	3785.2	3891.5	4044.3	4219.3	4374.3	4392.1	4531.6
20°	3847.2	3889.3	3895.9	3953.5	4057.6	4221.5	4429.7	4622.4	4644.6	4804.0
22.5°	4237.0	4296.8	4243.7	4272.5	4365.5	4529.4	4755.3	4998.9	5029.9	5211.6
25°	4923.6	5007.8	4870.5	4821.7	4861.6	5032.2	5315.7	5623.5	5659.0	5805.1
27.5°	6272.5	6164.0	5955.8	5752.0	5632.4	5729.8	6048.8	6429.7	6474.0	6615.8
30°	7754.2	7659.0	7377.7	6925.9	6642.4	6626.9	6921.4	7346.7	7397.6	7532.7
32.5°	9238.2	9147.4	8841.7	8285.8	7794.1	7550.5	7754.2	8226.0	8252.6	8338.9
35°	10697.8	10604.7	10299.1	9729.9	9125.2	8571.5	8531.6	9063.2	9072.1	9162.9
37.5°	12166.2	12088.7	11763.1	11205.0	10609.2	9845.0	9475.2	9856.1	9867.2	9955.8
40°	13213.8	13247.1	13023.4	12591.5	12079.8	11244.8	10533.9	10700.0	10633.5	10781.9
42.5°	14113.1	14179.5	13984.6	13767.6	13470.8	12735.4	11845.1	11816.3	11710.0	11789.7
45°	14890.5	14945.9	14770.9	14719.9	14713.3	14197.2	13278.1	13105.3	12956.9	12941.4
47.5°	15176.2	15282.5	15357.8	15528.4	15860.6	15643.5	14759.8	14491.8	14325.7	14203.9
50°	15284.7	15397.7	15654.6	16150.7	16937.0	17030.0	16234.9	15933.7	15729.9	15508.4
52.5°	15138.6	15340.1	15685.6	16520.6	17661.3	18141.9	17650.2	17386.6	17154.1	16793.1
55°	14277.0	14478.5	15185.1	16516.2	18022.3	18921.5	18988.0	18870.6	18609.2	18040.0
57.5°	12460.8	12759.8	13878.3	15953.6	18015.7	19592.6	20299.2	20383.3	20091.0	19275.9
60°	9944.7	10350.0	11714.4	14706.7	17459.7	19955.9	21448.7	21869.5	21559.4	20494.1
62.5°	6939.2	7408.7	8700.0	12753.2	16188.4	19694.5	22288.1	23065.5	22830.8	21583.8
65°	4232.6	4383.2	5424.2	10035.5	14026.7	18600.4	22547.3	23712.3	23634.8	22250.5
67.5°	2819.5	2945.8	3244.8	6881.6	10888.2	16414.3	21927.1	23599.3	23621.5	22141.9
70°	1698.8	1807.3	2002.2	4002.2	7056.5	12992.4	20006.8	22159.7	22288.1	20691.2
72.5°	699.9	773.0	950.2	1814.0	3654.5	8245.9	15931.5	19025.6	19324.6	17397.7
75°	396.5	434.1	558.1	910.3	1585.8	3842.8	9650.1	13506.2	13947.0	11991.2
77.5°	263.6	281.3	361.0	589.2	892.6	1311.2	4124.1	7036.6	7878.3	6549.3
80°	177.2	192.7	248.1	394.2	580.3	562.6	1313.4	2606.9	3207.1	2250.3
82.5°	119.6	121.8	177.2	259.1	367.7	272.4	387.6	810.6	1018.8	651.2
85°	68.7	66.4	130.7	150.6	163.9	113.0	117.4	243.6	318.9	274.6
87.5°	8.9	13.3	50.9	39.9	22.1	24.4	24.4	42.1	62.0	66.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943946
 CATALOG NUMBER: GALN-SB8C-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3842.8	0°	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8
3847.2	2.5°	3847.2	3845.0	3838.3	3831.7	3816.2	3807.3	3811.8	3807.3	3805.1	3807.3
3876.0	5°	3876.0	3869.4	3851.6	3829.5	3798.5	3760.8	3736.5	3701.0	3667.8	3647.9
3953.5	7.5°	3953.5	3946.9	3922.5	3860.5	3760.8	3603.6	3459.6	3333.4	3238.1	3182.8
4077.6	10°	4077.6	4066.5	4028.8	3891.5	3630.2	3286.8	3001.1	2764.1	2609.1	2536.0
4223.7	12.5°	4223.7	4210.4	4144.0	3862.7	3382.1	2846.1	2451.8	2188.3	2044.3	1980.1
4392.1	15°	4396.5	4378.8	4248.1	3725.4	3021.1	2358.8	1997.8	1800.7	1707.7	1650.1
4606.9	17.5°	4611.3	4580.3	4325.6	3519.4	2629.0	1986.7	1718.7	1570.3	1488.4	1433.0
4888.2	20°	4890.4	4839.5	4387.6	3273.6	2268.0	1752.0	1530.5	1406.4	1344.4	1295.7
5286.9	22.5°	5280.2	5207.1	4462.9	3007.8	2013.3	1590.3	1390.9	1300.1	1249.2	1193.8
5842.8	25°	5763.1	5676.7	4556.0	2761.9	1838.3	1450.7	1289.0	1213.7	1153.9	1089.7
6571.5	27.5°	6438.6	6283.6	4666.7	2560.4	1687.7	1331.1	1196.0	1111.9	1043.2	990.0
7397.6	30°	7191.6	6936.9	4764.2	2438.6	1550.4	1220.4	1074.2	990.0	925.8	888.2
8139.6	32.5°	7904.8	7559.3	4828.4	2385.4	1426.4	1094.1	941.3	850.5	801.8	790.7
8866.1	35°	8578.1	8121.9	4821.7	2334.5	1315.6	967.9	810.6	717.6	680.0	686.6
9647.9	37.5°	9353.3	8722.1	4775.2	2254.7	1224.8	852.7	697.7	615.7	582.5	584.7
10598.1	40°	10254.8	9415.4	4746.4	2104.1	1125.1	746.4	604.7	538.2	513.8	505.0
11599.2	42.5°	11216.0	10086.5	4750.9	1933.6	1001.1	651.2	540.4	485.1	462.9	456.3
12713.3	45°	12181.7	10726.6	4757.5	1756.4	870.4	578.1	493.9	447.4	434.1	425.3
13842.9	47.5°	13089.8	11271.4	4633.5	1565.9	742.0	522.7	456.3	425.3	414.2	403.1
14976.9	50°	13935.9	11634.6	4334.5	1344.4	640.1	478.4	427.5	405.3	394.2	383.2
16004.6	52.5°	14593.7	11692.2	3840.6	1116.3	569.2	445.2	409.7	389.8	376.5	365.5
16835.1	55°	14886.1	11331.2	3138.5	903.7	513.8	416.4	392.0	372.1	356.6	345.5
17488.5	57.5°	14810.8	10571.5	2447.4	726.5	460.7	387.6	369.9	356.6	338.9	321.2
18017.9	60°	14440.9	9554.9	1845.0	604.7	412.0	356.6	345.5	334.4	310.1	283.5
18221.6	62.5°	13800.8	8276.9	1315.6	500.6	358.8	321.2	316.7	307.9	272.4	223.7
17920.4	65°	12821.8	6724.3	885.9	416.4	307.9	281.3	283.5	268.0	221.5	166.1
16817.4	67.5°	11391.0	4917.0	567.0	341.1	256.9	234.8	237.0	228.1	188.3	141.8
14726.6	70°	9568.2	3255.8	369.9	259.1	206.0	181.6	194.9	197.1	159.5	115.2
11302.4	72.5°	7014.5	1922.5	259.1	192.7	150.6	126.2	159.5	163.9	128.5	86.4
6799.6	75°	3997.8	912.5	194.9	139.5	93.0	88.6	124.0	124.0	88.6	57.6
2943.5	77.5°	1678.9	381.0	137.3	90.8	53.2	50.9	84.2	77.5	44.3	26.6
717.6	80°	485.1	170.5	73.1	44.3	22.1	19.9	33.2	24.4	11.1	4.4
272.4	82.5°	190.5	75.3	28.8	17.7	8.9	8.9	4.4	0.0	0.0	0.0
155.0	85°	113.0	31.0	13.3	6.6	2.2	0.0	0.0	0.0	0.0	0.0
33.2	87.5°	28.8	6.6	4.4	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°
3842.8
3816.2
3652.3
3185.0
2529.4
1973.4
1652.3
1428.6
1286.8
1184.9
1083.1
979.0
881.5
797.3
686.6
593.6
502.8
454.0
425.3
403.1
383.2
363.2
343.3
318.9
279.1
219.3
161.7
135.1
110.7
81.9
53.2
26.6
4.4
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