

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: P942546

Luminaire Tested: **GALN-SB6C-835-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942546
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-SB6C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 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: 33036 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

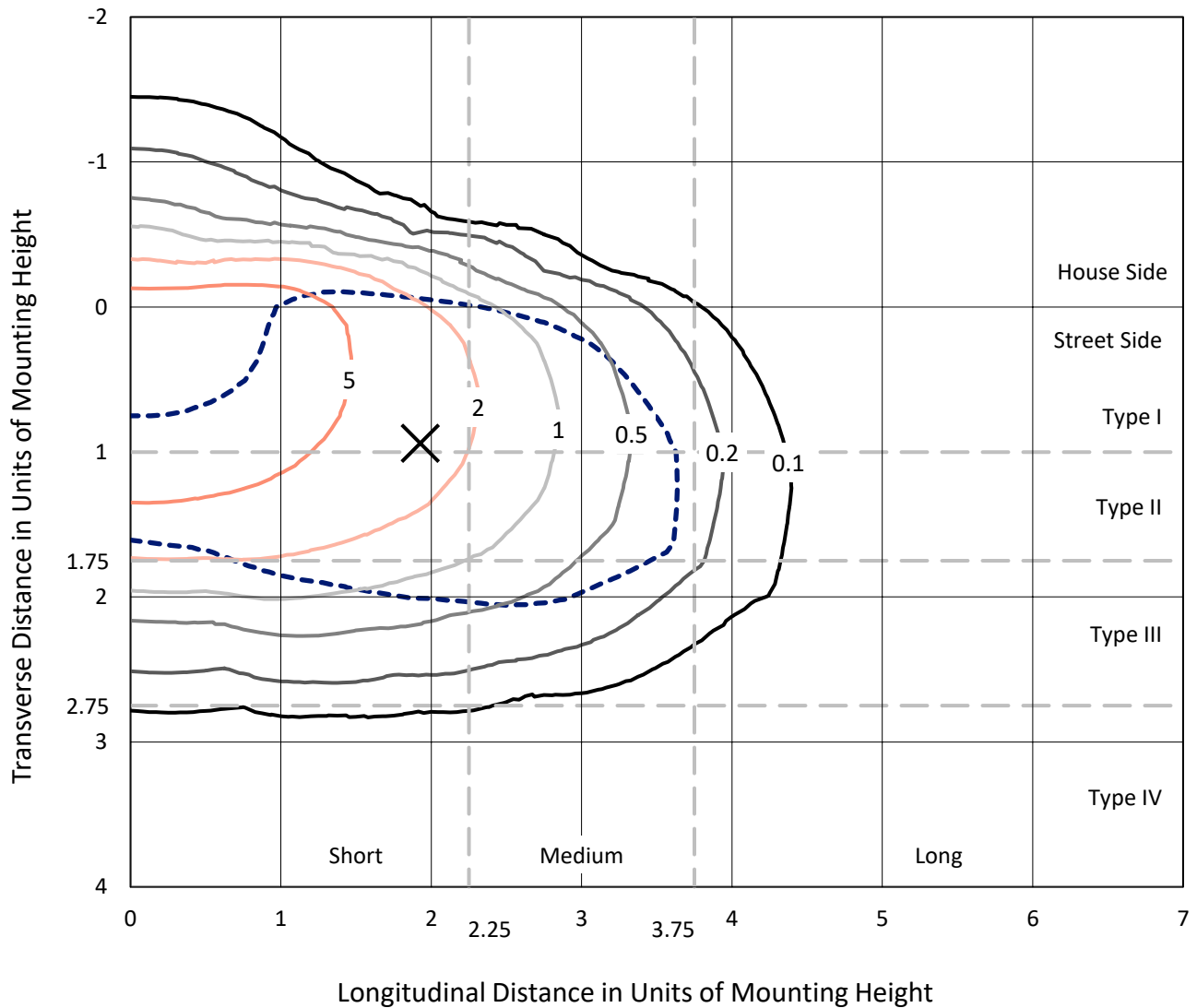
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

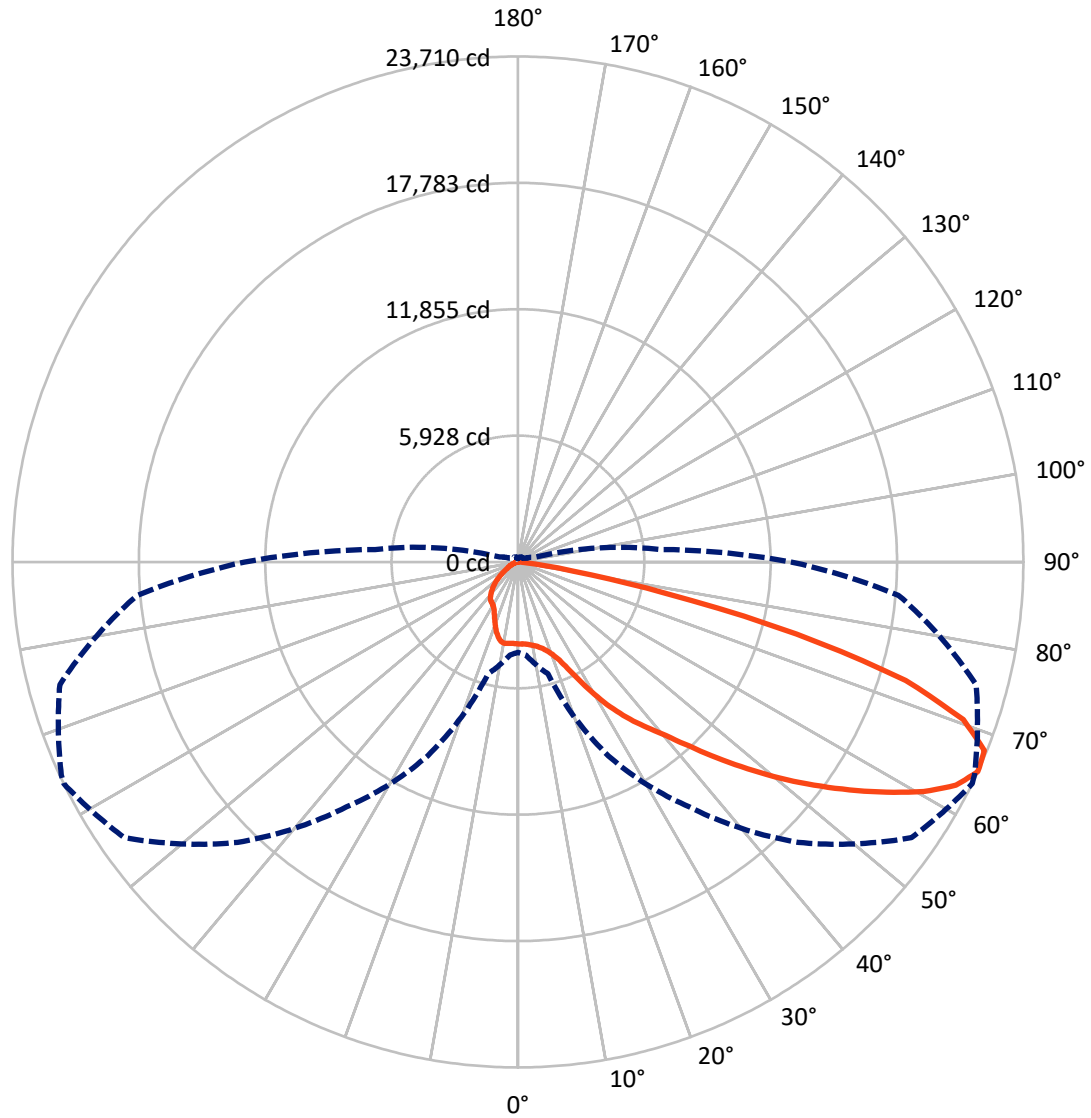
✕ Max cd
 - - - 1/2 Max cd



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

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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	4417.9	0.0	4417.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	28618.1	0.0	28618.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	33036.0	0.0	33036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.5	1.1
10°-20°	961.5	2.9
20°-30°	1822.0	5.5
30°-40°	3686.8	11.2
40°-50°	6280.6	19.0
50°-60°	8541.1	25.9
60°-70°	8020.5	24.3
70°-80°	3213.4	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°	33036.0	100.0
0°-180°	33036.0	100.0

Coefficient of Utilization



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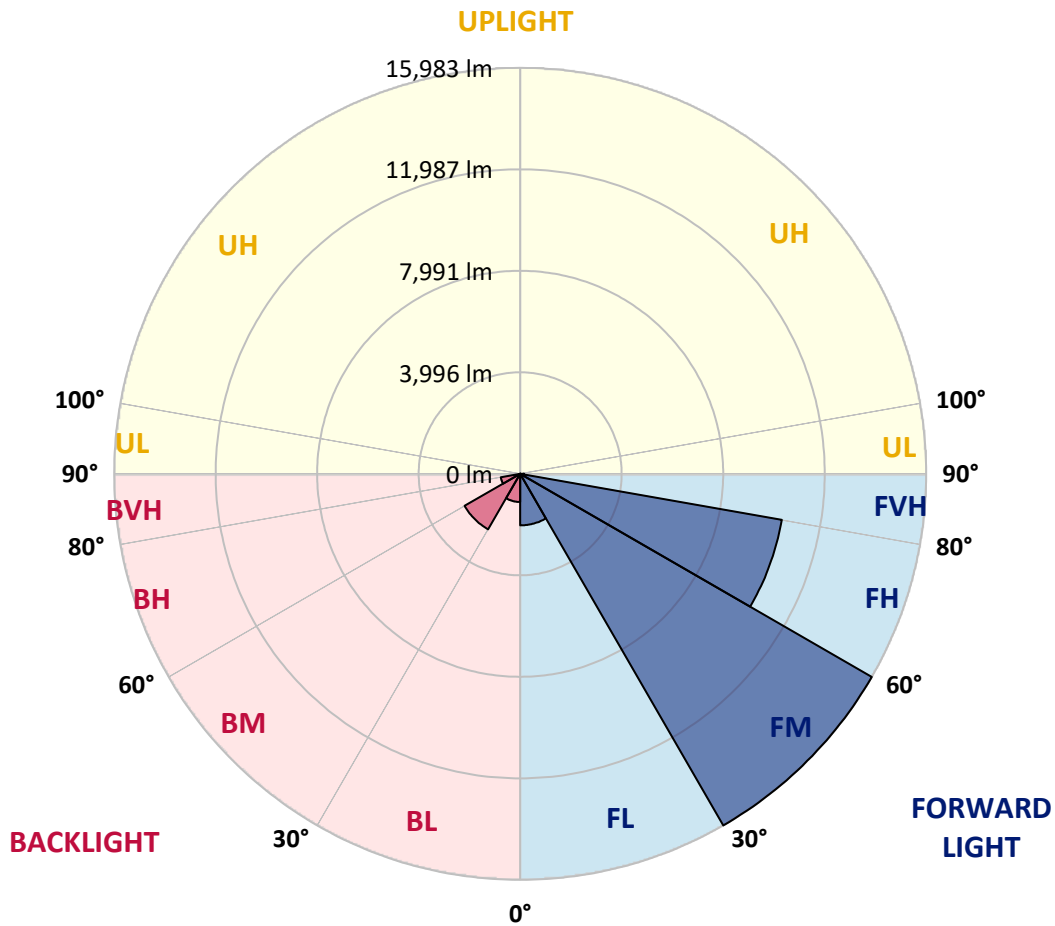
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2028.8	6.1			
FM (30°-60°)	15982.8	48.4			
FH (60°-80°)	10458.4	31.7			G4/12000
FVH (80°-90°)	148.1	0.4			G2/225
BL (0°-30°)	1109.2	3.4	B3/2500		
BM (30°-60°)	2525.7	7.6	B3/5000		
BH (60°-80°)	775.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4
2.5°	3829.1	3855.7	3849.1	3842.4	3840.2	3844.6	3846.9	3844.6	3844.6	3844.6
5°	3756.1	3778.2	3778.2	3793.7	3815.9	3842.4	3862.4	3866.8	3871.2	3877.9
7.5°	3616.5	3634.3	3647.5	3698.5	3753.8	3824.7	3884.5	3915.5	3919.9	3944.3
10°	3521.3	3543.5	3565.6	3618.7	3698.5	3804.8	3906.7	3982.0	3993.0	4050.6
12.5°	3516.9	3539.0	3567.8	3625.4	3718.4	3831.4	3955.4	4063.9	4083.8	4168.0
15°	3563.4	3590.0	3616.5	3687.4	3787.1	3924.4	4057.3	4192.3	4212.3	4331.9
17.5°	3658.6	3694.0	3714.0	3784.8	3891.2	4044.0	4218.9	4373.9	4391.7	4531.2
20°	3846.9	3888.9	3895.6	3953.2	4057.3	4221.1	4429.3	4622.0	4644.1	4803.6
22.5°	4236.6	4296.4	4243.3	4272.1	4365.1	4529.0	4754.9	4998.5	5029.5	5211.1
25°	4923.2	5007.3	4870.0	4821.3	4861.2	5031.7	5315.2	5623.0	5658.4	5804.6
27.5°	6271.9	6163.4	5955.2	5751.5	5631.9	5729.3	6048.2	6429.1	6473.4	6615.2
30°	7753.5	7658.3	7377.0	6925.2	6641.8	6626.3	6920.8	7346.0	7397.0	7532.0
32.5°	9237.3	9146.5	8840.9	8285.0	7793.4	7549.8	7753.5	8225.2	8251.8	8338.2
35°	10696.8	10603.8	10298.2	9729.0	9124.4	8570.7	8530.9	9062.4	9071.2	9162.0
37.5°	12165.1	12087.6	11762.0	11203.9	10608.2	9844.2	9474.3	9855.2	9866.3	9954.9
40°	13212.6	13245.9	13022.2	12590.3	12078.7	11243.8	10532.9	10699.0	10632.6	10781.0
42.5°	14111.8	14178.2	13983.3	13766.3	13469.5	12734.3	11844.0	11815.2	11708.9	11788.6
45°	14889.1	14944.5	14769.5	14718.6	14712.0	14196.0	13276.9	13104.1	12955.7	12940.2
47.5°	15174.8	15281.1	15356.4	15527.0	15859.2	15642.1	14758.5	14490.5	14324.4	14202.6
50°	15283.3	15396.3	15653.2	16149.3	16935.5	17028.5	16233.4	15932.2	15728.5	15507.0
52.5°	15137.2	15338.7	15684.2	16519.1	17659.7	18140.3	17648.6	17385.1	17152.5	16791.5
55°	14275.7	14477.2	15183.7	16514.7	18020.7	18919.8	18986.3	18868.9	18607.5	18038.4
57.5°	12459.7	12758.6	13877.0	15952.2	18014.0	19590.9	20297.3	20381.5	20089.2	19274.2
60°	9943.8	10349.1	11713.3	14705.3	17458.1	19954.1	21446.7	21867.5	21557.5	20492.2
62.5°	6938.5	7408.0	8699.2	12752.0	16186.9	19692.7	22286.1	23063.4	22828.7	21581.8
65°	4232.2	4382.8	5423.7	10034.6	14025.4	18598.7	22545.2	23710.1	23632.6	22248.4
67.5°	2819.3	2945.5	3244.5	6880.9	10887.3	16412.8	21925.1	23597.2	23619.3	22139.9
70°	1698.6	1807.2	2002.0	4001.9	7055.9	12991.2	20005.0	22157.6	22286.1	20689.3
72.5°	699.8	772.9	950.1	1813.8	3654.2	8245.2	15930.0	19023.9	19322.9	17396.1
75°	396.4	434.1	558.1	910.2	1585.7	3842.4	9649.3	13505.0	13945.7	11990.2
77.5°	263.5	281.3	361.0	589.1	892.5	1311.1	4123.7	7036.0	7877.5	6548.7
80°	177.2	192.7	248.0	394.2	580.2	562.5	1313.3	2606.7	3206.8	2250.1
82.5°	119.6	121.8	177.2	259.1	367.6	272.4	387.6	810.6	1018.7	651.1
85°	68.7	66.4	130.7	150.6	163.9	112.9	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

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3842.4	0°	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4	3842.4
3846.9	2.5°	3846.9	3844.6	3838.0	3831.4	3815.9	3807.0	3811.4	3807.0	3804.8	3807.0
3875.6	5°	3875.6	3869.0	3851.3	3829.1	3798.1	3760.5	3736.1	3700.7	3667.5	3647.5
3953.2	7.5°	3953.2	3946.5	3922.2	3860.1	3760.5	3603.2	3459.3	3333.1	3237.8	3182.5
4077.2	10°	4077.2	4066.1	4028.5	3891.2	3629.8	3286.6	3000.9	2763.9	2608.9	2535.8
4223.4	12.5°	4223.4	4210.1	4143.6	3862.4	3381.8	2845.8	2451.6	2188.1	2044.1	1979.9
4391.7	15°	4396.1	4378.4	4247.7	3725.1	3020.8	2358.6	1997.6	1800.5	1707.5	1649.9
4606.5	17.5°	4610.9	4579.9	4325.2	3519.1	2628.8	1986.5	1718.6	1570.2	1488.2	1432.9
4887.7	20°	4890.0	4839.0	4387.2	3273.3	2267.8	1751.8	1530.3	1406.3	1344.3	1295.6
5286.4	22.5°	5279.7	5206.7	4462.5	3007.5	2013.1	1590.1	1390.8	1300.0	1249.1	1193.7
5842.3	25°	5762.5	5676.2	4555.5	2761.7	1838.2	1450.6	1288.9	1213.6	1153.8	1089.6
6570.9	27.5°	6438.0	6283.0	4666.3	2560.1	1687.6	1331.0	1195.9	1111.8	1043.1	990.0
7397.0	30°	7191.0	6936.3	4763.7	2438.3	1550.3	1220.3	1074.1	990.0	925.7	888.1
8138.9	32.5°	7904.1	7558.6	4828.0	2385.2	1426.2	1094.0	941.2	850.4	801.7	790.6
8865.3	35°	8577.4	8121.1	4821.3	2334.2	1315.5	967.8	810.6	717.5	679.9	686.5
9647.0	37.5°	9352.5	8721.3	4774.8	2254.5	1224.7	852.6	697.6	615.7	582.5	584.7
10597.1	40°	10253.9	9414.5	4746.0	2103.9	1125.0	746.3	604.6	538.2	513.8	504.9
11598.2	42.5°	11215.0	10085.5	4750.4	1933.4	1001.0	651.1	540.4	485.0	462.9	456.2
12712.1	45°	12180.6	10725.6	4757.1	1756.2	870.4	578.0	493.9	447.4	434.1	425.2
13841.6	47.5°	13088.6	11270.4	4633.1	1565.8	741.9	522.7	456.2	425.2	414.1	403.1
14975.5	50°	13934.6	11633.6	4334.1	1344.3	640.0	478.4	427.4	405.3	394.2	383.1
16003.1	52.5°	14592.4	11691.2	3840.2	1116.2	569.2	445.1	409.7	389.8	376.5	365.4
16833.6	55°	14884.7	11330.2	3138.2	903.6	513.8	416.4	392.0	372.1	356.6	345.5
17486.9	57.5°	14809.4	10570.6	2447.2	726.4	460.6	387.6	369.8	356.6	338.8	321.1
18016.2	60°	14439.6	9554.0	1844.8	604.6	411.9	356.6	345.5	334.4	310.1	283.5
18220.0	62.5°	13799.5	8276.2	1315.5	500.5	358.8	321.1	316.7	307.8	272.4	223.7
17918.8	65°	12820.6	6723.7	885.9	416.4	307.8	281.3	283.5	268.0	221.5	166.1
16815.9	67.5°	11390.0	4916.5	567.0	341.1	256.9	234.8	237.0	228.1	188.2	141.7
14725.3	70°	9567.3	3255.5	369.8	259.1	206.0	181.6	194.9	197.1	159.5	115.2
11301.4	72.5°	7013.8	1922.3	259.1	192.7	150.6	126.2	159.5	163.9	128.5	86.4
6799.0	75°	3997.5	912.4	194.9	139.5	93.0	88.6	124.0	124.0	88.6	57.6
2943.3	77.5°	1678.7	380.9	137.3	90.8	53.2	50.9	84.2	77.5	44.3	26.6
717.5	80°	485.0	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°	112.9	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°
3842.4
3815.9
3652.0
3184.7
2529.1
1973.3
1652.1
1428.5
1286.7
1184.8
1083.0
978.9
881.4
797.3
686.5
593.5
502.7
454.0
425.2
403.1
383.1
363.2
343.3
318.9
279.0
219.3
161.7
135.1
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81.9
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