

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: P942486

Luminaire Tested: **GALN-SB6C-735-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942486
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-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 35617 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

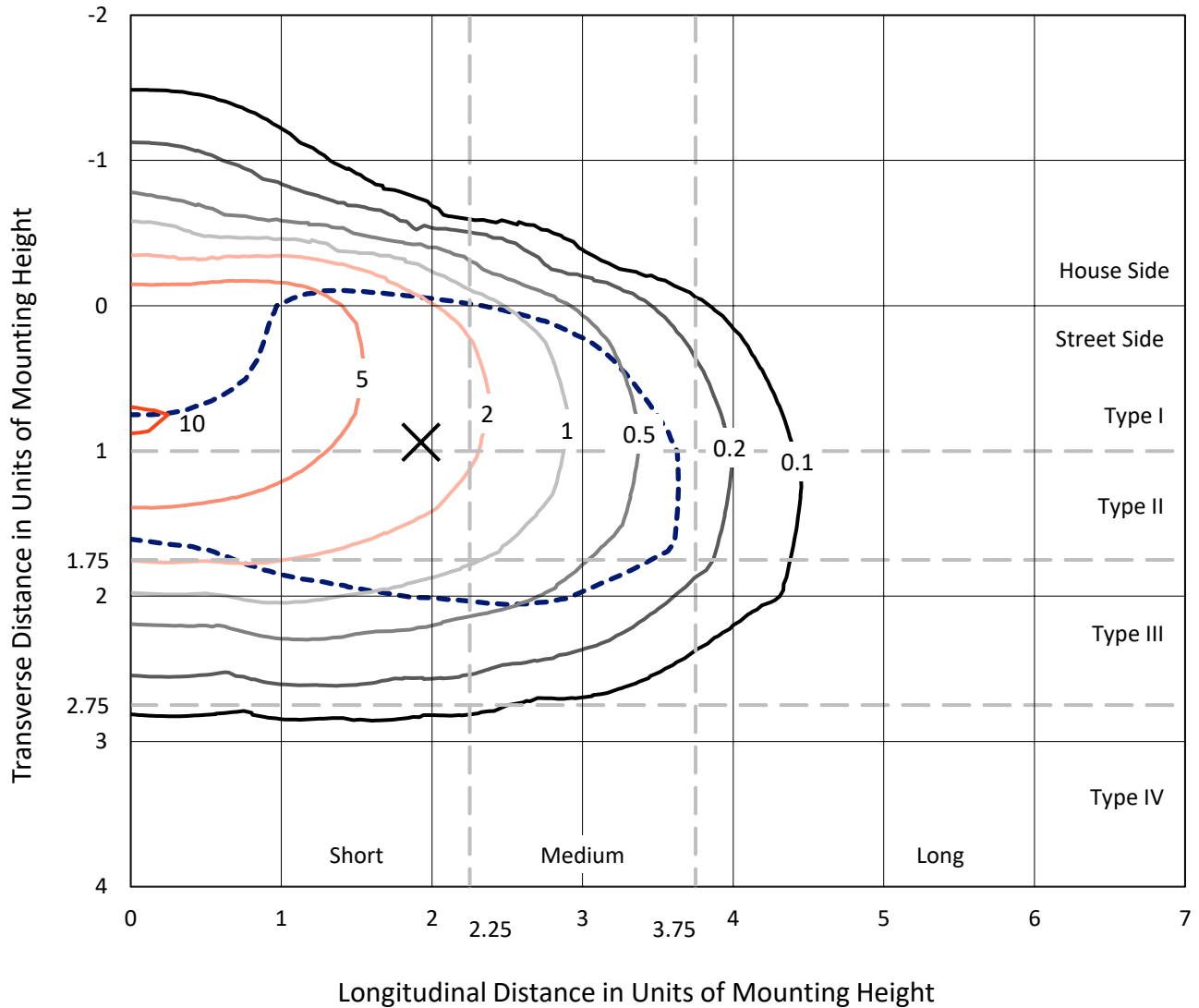
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

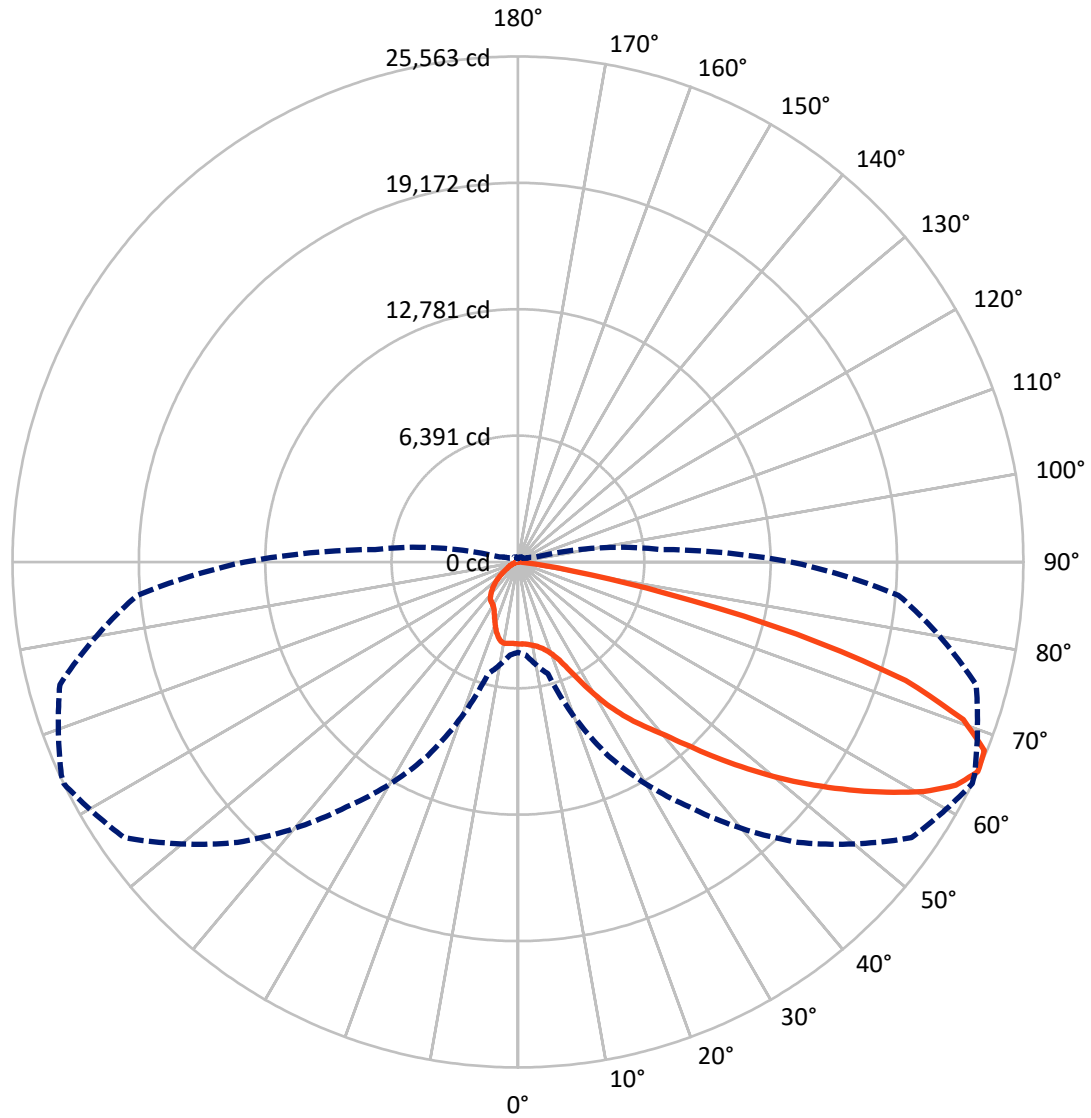
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	4763.1	0.0	4763.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	30853.9	0.0	30853.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	35617.0	0.0	35617.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.2	1.1
10°-20°	1036.6	2.9
20°-30°	1964.3	5.5
30°-40°	3974.9	11.2
40°-50°	6771.2	19.0
50°-60°	9208.4	25.9
60°-70°	8647.1	24.3
70°-80°	3464.4	9.7
80°-90°	167.8	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°	35617.0	100.0
0°-180°	35617.0	100.0

Coefficient of Utilization



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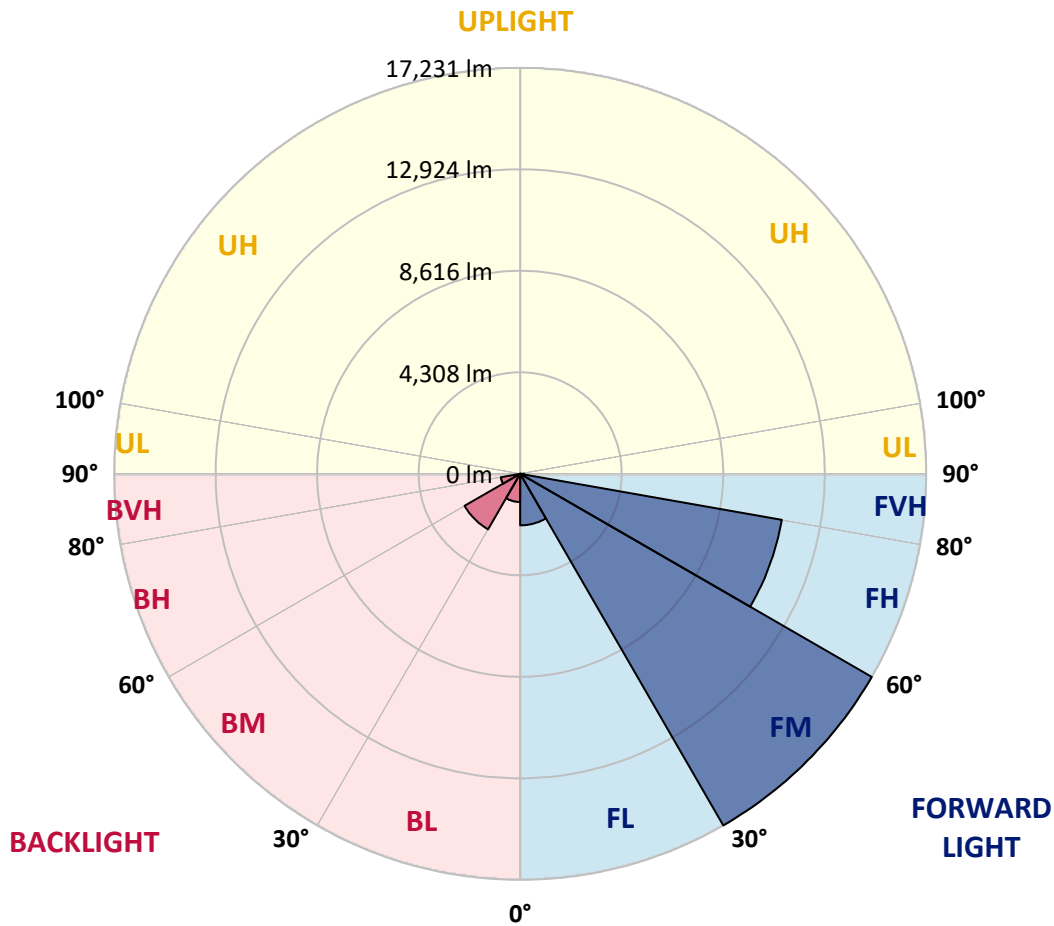
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2187.3	6.1			
FM (30°-60°)	17231.5	48.4			
FH (60°-80°)	11275.5	31.7			G4/12000
FVH (80°-90°)	159.6	0.4			G2/225
BL (0°-30°)	1195.9	3.4	B3/2500		
BM (30°-60°)	2723.0	7.6	B3/5000		
BH (60°-80°)	836.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.2	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°	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6
2.5°	4128.3	4157.0	4149.8	4142.6	4140.2	4145.0	4147.4	4145.0	4145.0	4145.0
5°	4049.5	4073.4	4073.4	4090.1	4114.0	4142.6	4164.1	4168.9	4173.7	4180.8
7.5°	3899.1	3918.2	3932.5	3987.4	4047.1	4123.5	4188.0	4221.4	4226.2	4252.5
10°	3796.4	3820.3	3844.2	3901.5	3987.4	4102.0	4211.9	4293.1	4305.0	4367.1
12.5°	3791.6	3815.5	3846.6	3908.6	4008.9	4130.7	4264.4	4381.4	4402.9	4493.6
15°	3841.8	3870.4	3899.1	3975.5	4082.9	4231.0	4374.2	4519.9	4541.4	4670.3
17.5°	3944.4	3982.7	4004.1	4080.5	4195.2	4359.9	4548.5	4715.7	4734.8	4885.2
20°	4147.4	4192.8	4199.9	4262.0	4374.2	4550.9	4775.4	4983.1	5007.0	5178.9
22.5°	4567.6	4632.1	4574.8	4605.8	4706.1	4882.8	5126.4	5389.0	5422.4	5618.2
25°	5307.8	5398.5	5250.5	5198.0	5241.0	5424.8	5730.4	6062.3	6100.5	6258.1
27.5°	6761.9	6644.9	6420.5	6200.8	6071.9	6176.9	6520.8	6931.4	6979.2	7132.0
30°	8359.3	8256.6	7953.4	7466.3	7160.7	7143.9	7461.5	7919.9	7974.9	8120.5
32.5°	9959.0	9861.1	9531.6	8932.3	8402.3	8139.6	8359.3	8867.8	8896.5	8989.6
35°	11532.5	11432.2	11102.7	10489.1	9837.2	9240.3	9197.3	9770.4	9779.9	9877.8
37.5°	13115.5	13032.0	12681.0	12079.3	11437.0	10613.2	10214.5	10625.2	10637.1	10732.6
40°	14244.9	14280.7	14039.6	13574.0	13022.4	12122.3	11355.8	11534.9	11463.3	11623.2
42.5°	15214.3	15285.9	15075.8	14841.8	14521.9	13729.2	12769.3	12738.3	12623.7	12709.6
45°	16052.4	16112.1	15923.4	15868.5	15861.4	15305.0	14314.1	14127.9	13967.9	13951.2
47.5°	16360.4	16475.0	16556.2	16740.0	17098.2	16864.2	15911.5	15622.6	15443.5	15312.2
50°	16477.4	16599.2	16876.1	17411.0	18258.6	18358.9	17501.7	17177.0	16957.3	16718.5
52.5°	16319.8	16537.1	16909.6	17809.7	19039.4	19557.5	19027.4	18743.3	18492.6	18103.4
55°	15391.0	15608.3	16369.9	17804.9	19428.6	20398.0	20469.6	20343.0	20061.3	19447.7
57.5°	13433.1	13755.4	14961.2	17198.5	19421.4	21121.4	21883.1	21973.8	21658.7	20780.0
60°	10720.7	11157.6	12628.4	15854.2	18822.1	21513.0	23122.3	23576.0	23241.7	22093.2
62.5°	7480.6	7986.8	9378.8	13748.3	17451.6	21231.3	24027.2	24865.3	24612.2	23268.0
65°	4562.9	4725.2	5847.4	10818.6	15121.2	20051.7	24306.6	25562.5	25478.9	23986.6
67.5°	3039.5	3175.6	3498.0	7418.5	11737.8	17695.1	23638.0	25440.7	25464.6	23869.6
70°	1831.4	1948.3	2158.5	4314.5	7607.2	14006.1	21567.9	23888.8	24027.2	22305.7
72.5°	754.5	833.3	1024.3	1955.5	3939.7	8889.3	17174.6	20510.2	20832.5	18755.2
75°	427.4	468.0	601.7	981.3	1709.6	4142.6	10403.1	14560.1	15035.2	12926.9
77.5°	284.1	303.2	389.2	635.1	962.2	1413.5	4445.9	7585.7	8493.0	7060.4
80°	191.0	207.7	267.4	425.0	625.6	606.5	1415.9	2810.3	3457.4	2425.9
82.5°	128.9	131.3	191.0	279.4	396.4	293.7	417.8	873.9	1098.3	702.0
85°	74.0	71.6	140.9	162.4	176.7	121.8	126.5	262.6	343.8	296.1
87.5°	9.6	14.3	54.9	43.0	23.9	26.3	26.3	45.4	66.9	71.6
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°
4142.6	0°	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6	4142.6
4147.4	2.5°	4147.4	4145.0	4137.9	4130.7	4114.0	4104.4	4109.2	4104.4	4102.0	4104.4
4178.4	5°	4178.4	4171.3	4152.2	4128.3	4094.9	4054.3	4028.0	3989.8	3954.0	3932.5
4262.0	7.5°	4262.0	4254.8	4228.6	4161.7	4054.3	3884.8	3729.6	3593.5	3490.8	3431.1
4395.7	10°	4395.7	4383.8	4343.2	4195.2	3913.4	3543.3	3235.3	2979.8	2812.7	2733.9
4553.3	12.5°	4553.3	4539.0	4467.4	4164.1	3646.0	3068.2	2643.2	2359.0	2203.8	2134.6
4734.8	15°	4739.5	4720.4	4579.6	4016.1	3256.8	2542.9	2153.7	1941.2	1840.9	1778.8
4966.4	17.5°	4971.2	4937.7	4663.1	3794.0	2834.2	2141.8	1852.8	1692.9	1604.5	1544.8
5269.6	20°	5272.0	5217.1	4730.0	3529.0	2445.0	1888.7	1649.9	1516.2	1449.3	1396.8
5699.4	22.5°	5692.2	5613.4	4811.2	3242.5	2170.4	1714.4	1499.5	1401.6	1346.7	1287.0
6298.7	25°	6212.7	6119.6	4911.5	2977.4	1981.8	1563.9	1389.6	1308.4	1244.0	1174.7
7084.3	27.5°	6941.0	6773.9	5030.8	2760.2	1819.4	1435.0	1289.3	1198.6	1124.6	1067.3
7974.9	30°	7752.8	7478.2	5135.9	2628.8	1671.4	1315.6	1158.0	1067.3	998.1	957.5
8774.7	32.5°	8521.6	8149.2	5205.1	2571.5	1537.7	1179.5	1014.8	916.9	864.3	852.4
9557.9	35°	9247.5	8755.6	5198.0	2516.6	1418.3	1043.4	873.9	773.6	733.0	740.2
10400.7	37.5°	10083.2	9402.7	5147.8	2430.7	1320.4	919.3	752.1	663.8	628.0	630.3
11425.1	40°	11055.0	10150.0	5116.8	2268.3	1212.9	804.6	651.8	580.2	553.9	544.4
12504.3	42.5°	12091.2	10873.5	5121.6	2084.4	1079.2	702.0	582.6	522.9	499.0	491.9
13705.3	45°	13132.2	11563.5	5128.7	1893.4	938.4	623.2	532.5	482.3	468.0	458.4
14923.0	47.5°	14111.2	12150.9	4995.0	1688.1	799.9	563.5	491.9	458.4	446.5	434.6
16145.5	50°	15023.3	12542.5	4672.7	1449.3	690.0	515.7	460.8	436.9	425.0	413.1
17253.4	52.5°	15732.4	12604.6	4140.2	1203.4	613.6	479.9	441.7	420.2	405.9	394.0
18148.8	55°	16047.6	12215.4	3383.3	974.2	553.9	448.9	422.6	401.1	384.4	372.5
18853.1	57.5°	15966.4	11396.4	2638.4	783.2	496.6	417.8	398.7	384.4	365.3	346.2
19423.8	60°	15567.7	10300.5	1988.9	651.8	444.1	384.4	372.5	360.5	334.3	305.6
19643.5	62.5°	14877.6	8922.8	1418.3	539.6	386.8	346.2	341.4	331.9	293.7	241.2
19318.7	65°	13822.3	7249.0	955.1	448.9	331.9	303.2	305.6	288.9	238.8	179.1
18129.7	67.5°	12279.8	5300.7	611.2	367.7	277.0	253.1	255.5	245.9	203.0	152.8
15875.7	70°	10314.8	3509.9	398.7	279.4	222.1	195.8	210.1	212.5	171.9	124.2
12184.3	72.5°	7561.8	2072.5	279.4	207.7	162.4	136.1	171.9	176.7	138.5	93.1
7330.2	75°	4309.8	983.7	210.1	150.4	100.3	95.5	133.7	133.7	95.5	62.1
3173.2	77.5°	1809.9	410.7	148.0	97.9	57.3	54.9	90.7	83.6	47.8	28.7
773.6	80°	522.9	183.9	78.8	47.8	23.9	21.5	35.8	26.3	11.9	4.8
293.7	82.5°	205.3	81.2	31.0	19.1	9.6	9.6	4.8	0.0	0.0	0.0
167.1	85°	121.8	33.4	14.3	7.2	2.4	0.0	0.0	0.0	0.0	0.0
35.8	87.5°	31.0	7.2	4.8	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

<u>180°</u>
4142.6
4114.0
3937.3
3433.5
2726.7
2127.4
1781.2
1540.1
1387.2
1277.4
1167.6
1055.4
950.3
859.6
740.2
639.9
542.0
489.5
458.4
434.6
413.1
391.6
370.1
343.8
300.8
236.4
174.3
145.6
119.4
88.3
57.3
28.7
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