

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: P940679

Luminaire Tested: **GALN-SB3D-835-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27990 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

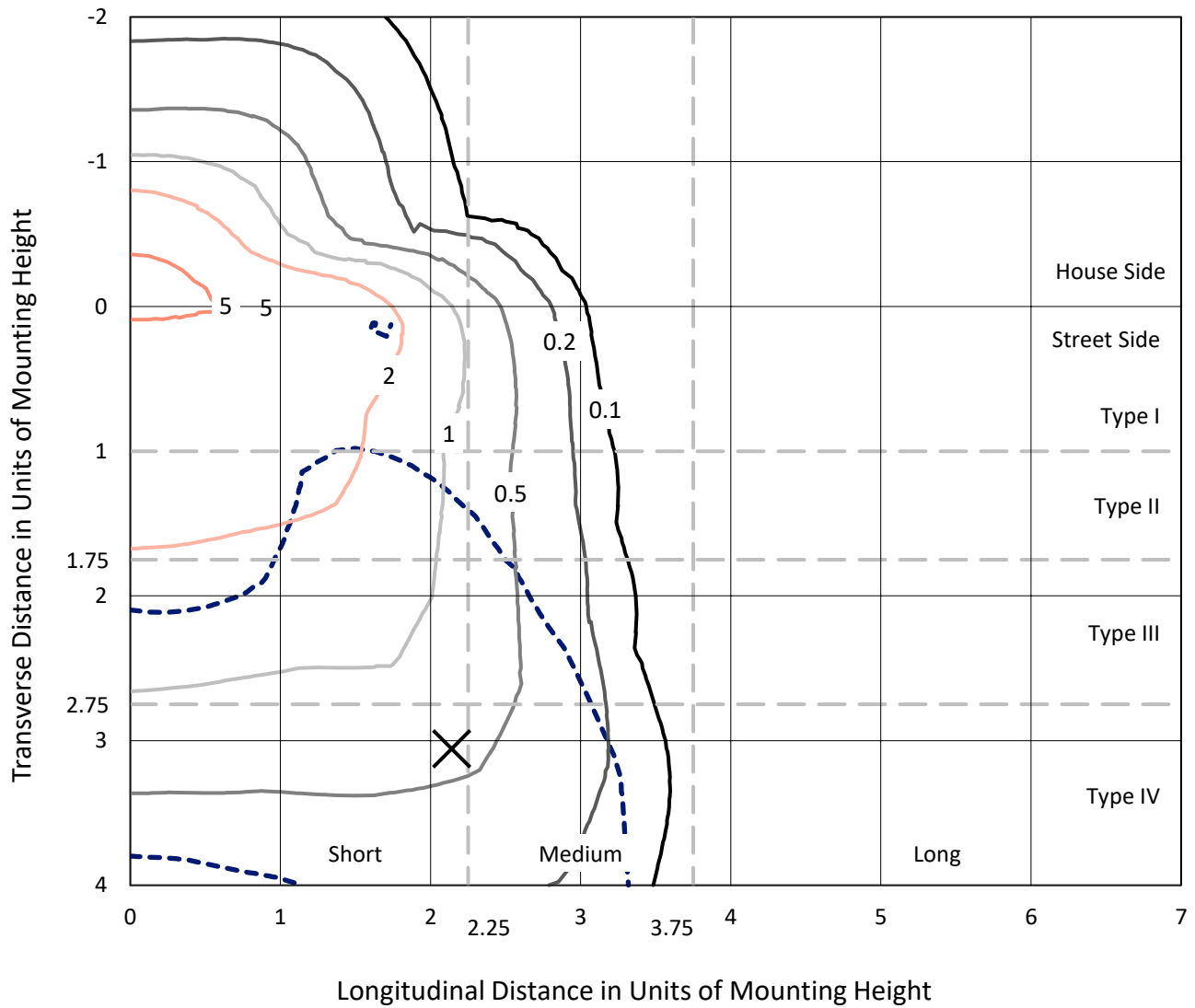
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

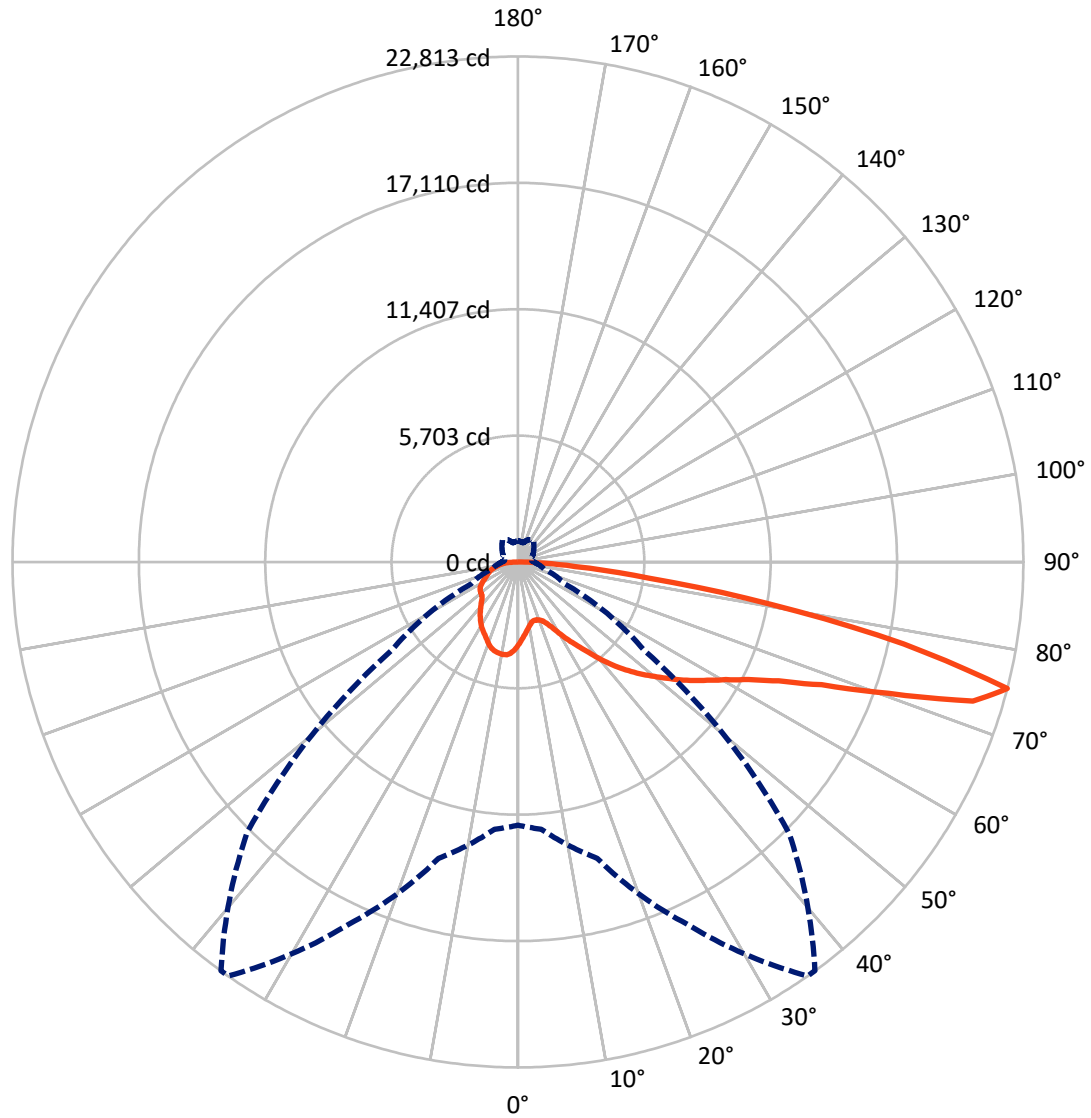
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6660.9	0.0	6660.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	21329.1	0.0	21329.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	27990.0	0.0	27990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.1	1.3
10°-20°	1018.6	3.6
20°-30°	1710.5	6.1
30°-40°	2658.4	9.5
40°-50°	3945.8	14.1
50°-60°	5447.4	19.5
60°-70°	6608.9	23.6
70°-80°	5461.7	19.5
80°-90°	785.6	2.8
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°	27990.0	100.0
0°-180°	27990.0	100.0

Coefficient of Utilization



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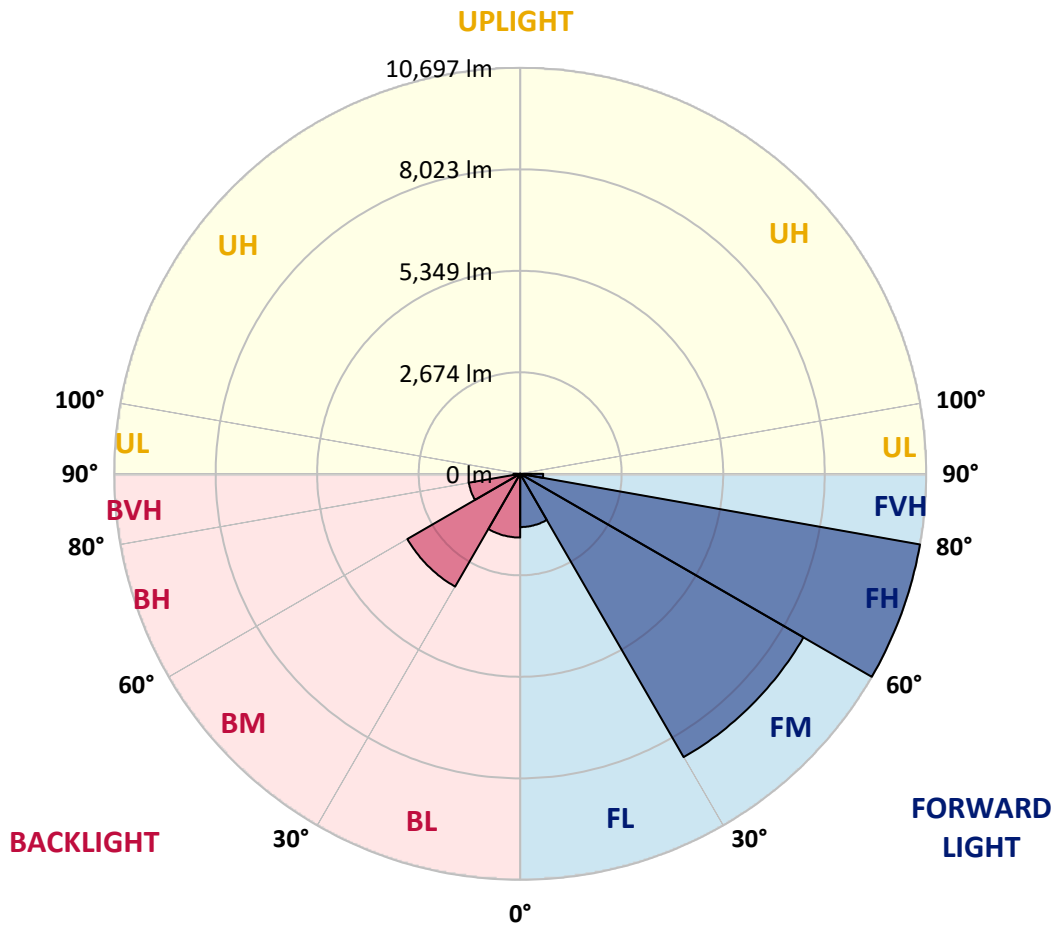
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.6	5.0			
FM (30°-60°)	8619.4	30.8			
FH (60°-80°)	10697.4	38.2			G4/12000
FVH (80°-90°)	608.7	2.2			G4/750
BL (0°-30°)	1678.6	6.0	B3/2500		
BM (30°-60°)	3432.1	12.3	B3/5000		
BH (60°-80°)	1373.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	176.9	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9
2.5°	3439.3	3460.5	3469.6	3465.1	3487.8	3484.7	3516.5	3555.8	3610.3	3663.3
5°	3174.5	3197.2	3216.9	3235.1	3278.9	3292.6	3342.5	3418.2	3518.0	3619.4
7.5°	2927.9	2947.6	2977.8	3011.1	3085.3	3098.9	3182.1	3300.1	3439.3	3587.6
10°	2726.7	2746.3	2778.1	2815.9	2908.2	2924.9	3030.8	3188.2	3369.7	3557.4
12.5°	2640.4	2646.5	2664.6	2702.4	2782.6	2793.2	2909.7	3089.8	3301.6	3534.7
15°	2635.9	2648.0	2649.5	2669.2	2735.7	2740.3	2847.7	3026.3	3259.3	3530.1
17.5°	2681.3	2690.3	2676.7	2688.8	2744.8	2752.4	2837.1	2996.0	3245.7	3549.8
20°	2802.3	2809.9	2769.0	2752.4	2793.2	2799.3	2882.5	3015.7	3259.3	3590.6
22.5°	3059.5	3064.1	2964.2	2896.1	2899.2	2902.2	2974.8	3095.9	3312.2	3664.8
25°	3460.5	3457.5	3298.6	3167.0	3091.3	3074.7	3123.1	3226.0	3401.5	3763.1
27.5°	3929.6	3906.9	3748.0	3551.3	3386.4	3362.2	3351.6	3395.5	3528.6	3893.3
30°	4459.2	4438.0	4267.0	4009.8	3781.3	3742.0	3642.1	3619.4	3717.8	4070.3
32.5°	5040.2	5026.6	4822.3	4510.6	4205.0	4159.6	3991.6	3931.1	4008.3	4338.1
35°	5527.5	5515.3	5345.9	5025.1	4651.4	4595.4	4424.4	4356.3	4395.6	4681.6
37.5°	5967.8	5961.7	5816.5	5563.8	5177.9	5109.8	4917.7	4895.0	4887.4	5134.0
40°	6376.3	6361.2	6209.9	6076.7	5790.7	5728.7	5559.2	5539.6	5482.1	5690.9
42.5°	6828.7	6789.4	6570.0	6508.0	6430.8	6379.3	6278.0	6281.0	6153.9	6318.8
45°	7197.9	7175.2	6949.8	6913.5	6996.7	6975.5	7063.3	7086.0	6839.3	6977.0
47.5°	7594.4	7573.2	7382.5	7356.8	7582.3	7588.3	7898.5	7906.1	7508.1	7661.0
50°	8083.1	8052.9	7863.7	7895.5	8148.2	8170.9	8738.3	8686.9	8124.0	8355.5
52.5°	8405.4	8423.6	8382.7	8434.2	8779.2	8800.3	9564.5	9432.8	8733.8	9040.9
55°	8643.0	8679.3	8806.4	8924.4	9444.9	9466.1	10343.7	10142.5	9239.2	9676.4
57.5°	8948.6	8897.2	9134.7	9364.7	10077.4	10133.4	11101.8	10826.4	9687.0	10224.2
60°	9387.4	9351.1	9535.7	9876.2	10785.6	10874.8	11903.8	11442.3	10015.4	10658.5
62.5°	10277.2	10186.4	10215.1	10516.2	11678.3	11796.3	12808.6	11979.4	10178.8	10827.9
65°	11607.2	11451.3	11306.1	11514.9	12935.7	13052.2	13830.0	12401.6	10118.3	10499.6
67.5°	13282.2	13127.9	12949.3	13146.0	14787.8	14880.1	15090.4	12639.1	9641.6	9234.6
70°	14663.7	14606.2	14819.6	15629.1	17745.9	17749.0	16706.4	12442.4	8335.8	6547.3
72.5°	14480.6	14445.8	15570.1	18072.8	21474.3	21394.1	18236.2	10953.5	5615.2	2953.6
75°	11879.6	12105.0	13846.6	18028.9	22813.4	22802.8	17299.6	6963.4	2322.6	1224.1
77.5°	6370.3	6727.4	8989.5	13311.0	17809.5	18077.3	12162.5	2436.1	997.2	783.8
80°	2077.5	2389.2	3583.1	6777.3	11572.4	11522.5	5212.7	956.3	682.4	555.3
82.5°	882.2	918.5	1600.9	3200.3	5939.0	5846.7	1659.9	549.3	479.7	379.8
85°	345.0	385.8	706.6	1479.8	2572.3	2516.3	599.2	272.4	307.2	248.2
87.5°	113.5	137.7	252.7	506.9	800.4	771.7	146.8	93.8	133.2	113.5
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°
3729.9	0°	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9	3729.9
3740.4	2.5°	3761.6	3785.8	3814.6	3857.0	3893.3	3923.5	3955.3	3975.0	3982.5	4005.2
3746.5	5°	3788.9	3841.8	3912.9	3982.5	4050.6	4091.5	4127.8	4146.0	4162.6	4174.7
3763.1	7.5°	3834.3	3902.4	4014.3	4105.1	4162.6	4195.9	4220.1	4214.1	4220.1	4223.1
3781.3	10°	3873.6	3968.9	4102.1	4188.3	4232.2	4233.7	4227.7	4206.5	4195.9	4197.4
3808.5	12.5°	3920.5	4026.4	4170.2	4242.8	4254.9	4221.6	4195.9	4159.6	4146.0	4139.9
3849.4	15°	3984.1	4105.1	4244.3	4271.6	4241.3	4198.9	4155.0	4096.0	4065.8	4041.6
3919.0	17.5°	4061.2	4194.4	4301.8	4282.1	4217.1	4147.5	4076.4	3987.1	3925.1	3899.3
4014.3	20°	4168.7	4288.2	4345.7	4259.5	4161.1	4055.2	3934.1	3825.2	3767.7	3742.0
4135.4	22.5°	4298.8	4413.8	4388.1	4220.1	4080.9	3911.4	3760.1	3679.9	3651.2	3633.0
4291.2	25°	4454.6	4553.0	4418.3	4162.6	3949.3	3720.8	3604.3	3578.5	3564.9	3551.3
4481.9	27.5°	4657.4	4710.4	4441.0	4077.9	3743.5	3518.0	3475.7	3480.2	3475.7	3453.0
4746.7	30°	4925.2	4914.6	4462.2	3940.2	3507.4	3334.9	3338.0	3357.6	3360.7	3345.5
5115.9	32.5°	5277.8	5170.4	4472.8	3761.6	3282.0	3174.5	3177.6	3198.7	3213.9	3188.2
5598.6	35°	5704.5	5468.4	4456.2	3537.7	3108.0	3021.7	2999.0	3005.1	3009.6	2985.4
6184.1	37.5°	6202.3	5802.8	4382.0	3289.5	2964.2	2871.9	2823.5	2782.6	2758.4	2735.7
6846.9	40°	6748.5	6167.5	4245.8	3047.4	2803.8	2713.0	2640.4	2563.2	2481.5	2451.3
7549.0	42.5°	7320.5	6542.8	4080.9	2815.9	2619.2	2545.1	2467.9	2355.9	2233.4	2171.3
8278.3	45°	7913.7	6927.1	3919.0	2587.4	2430.1	2398.3	2309.0	2174.4	2041.2	1962.5
9009.2	47.5°	8494.7	7290.2	3681.4	2357.5	2253.0	2287.8	2218.2	2094.2	1945.9	1821.8
9733.9	50°	9050.0	7630.7	3292.6	2124.4	2109.3	2254.6	2188.0	2009.4	1840.0	1681.1
10445.1	52.5°	9600.8	7906.1	2794.7	1912.6	2032.1	2245.5	2148.6	1951.9	1744.6	1578.2
11113.9	55°	10068.3	8048.3	2315.1	1731.0	1920.2	2168.3	2101.7	1883.8	1610.0	1432.9
11572.4	57.5°	10334.7	7933.3	1915.6	1552.5	1765.8	2041.2	2021.5	1738.6	1449.6	1313.4
11661.7	60°	10219.7	7467.3	1588.8	1396.6	1619.0	1903.5	1882.3	1594.8	1327.0	1198.4
11183.5	62.5°	9585.7	6579.1	1330.0	1260.4	1485.9	1762.8	1743.1	1484.4	1233.2	1109.1
9914.0	65°	8308.6	5351.9	1128.8	1146.9	1351.2	1593.3	1622.1	1392.1	1159.1	1038.0
7670.0	67.5°	6337.0	3876.6	971.4	1048.6	1219.6	1426.9	1510.1	1325.5	1097.0	982.0
4438.0	70°	3611.8	2201.6	838.3	953.3	1103.1	1272.5	1423.9	1272.5	1030.4	935.1
1662.9	72.5°	1369.4	1010.8	724.8	857.9	991.1	1142.4	1328.5	1189.3	953.3	882.2
859.5	75°	730.8	615.8	609.8	746.0	862.5	1015.3	1209.0	1107.6	895.8	932.1
594.7	77.5°	497.8	435.8	509.9	638.5	721.8	874.6	1081.9	983.5	776.2	773.2
411.6	80°	345.0	308.7	414.6	514.5	558.3	735.4	944.2	844.3	632.5	590.1
254.2	82.5°	207.3	201.2	310.2	384.3	394.9	567.4	782.3	708.1	517.5	450.9
151.3	85°	113.5	119.5	198.2	225.5	230.0	396.4	612.8	547.8	398.0	334.4
54.5	87.5°	31.8	40.9	72.6	89.3	110.5	205.8	364.7	325.3	199.7	139.2
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

<u>180°</u>
3729.9
4003.7
4177.7
4227.7
4200.4
4136.9
4049.1
3900.8
3738.9
3636.0
3551.3
3457.5
3353.1
3200.3
3002.0
2750.9
2464.9
2178.9
1956.5
1808.2
1667.5
1560.0
1417.8
1295.2
1180.2
1089.5
1018.3
963.9
923.0
870.0
962.3
712.7
564.4
453.9
337.4
139.2
0.0

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