

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: P942437

Luminaire Tested: **GALN-SB6B-940-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-940-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24761 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

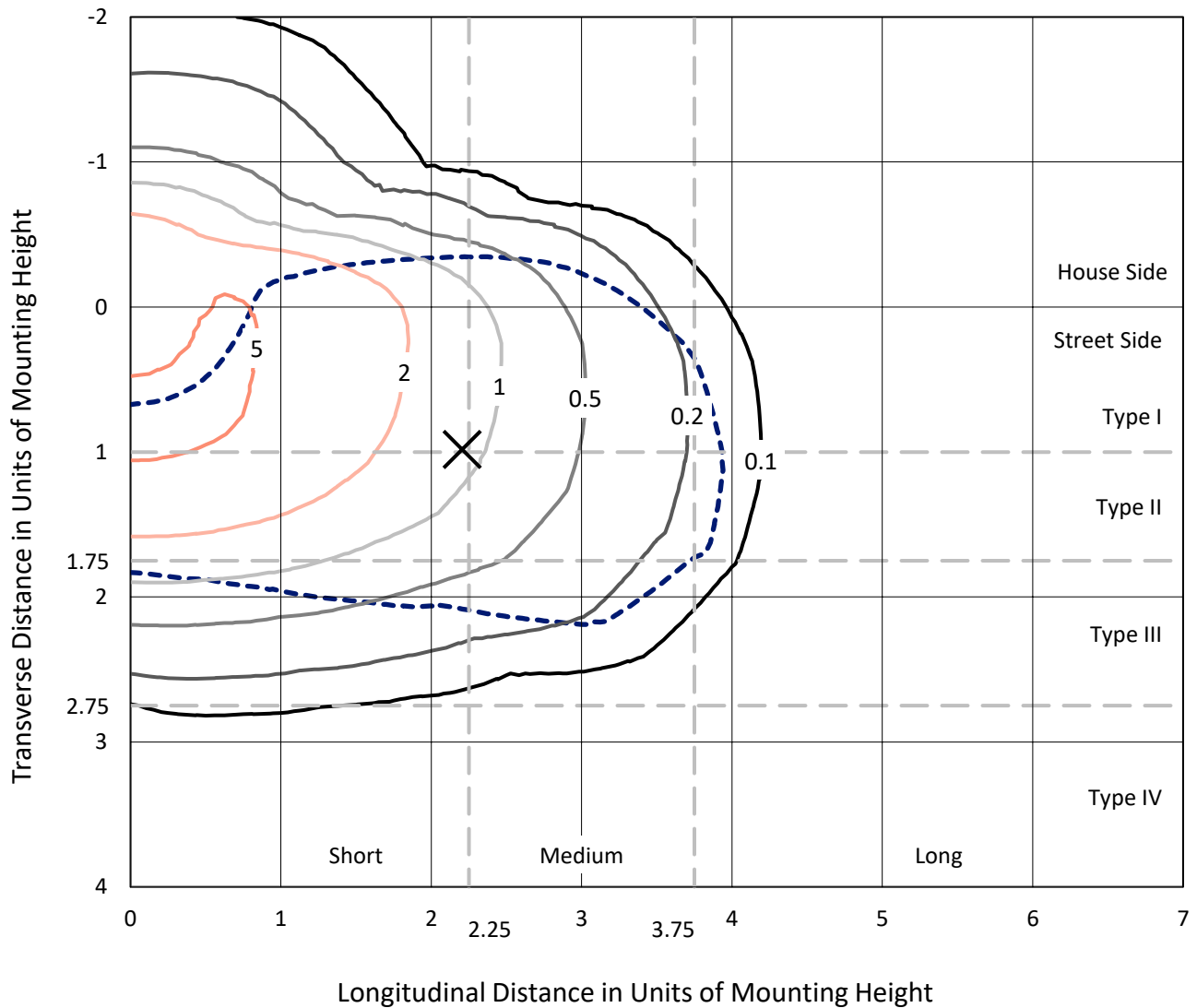
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

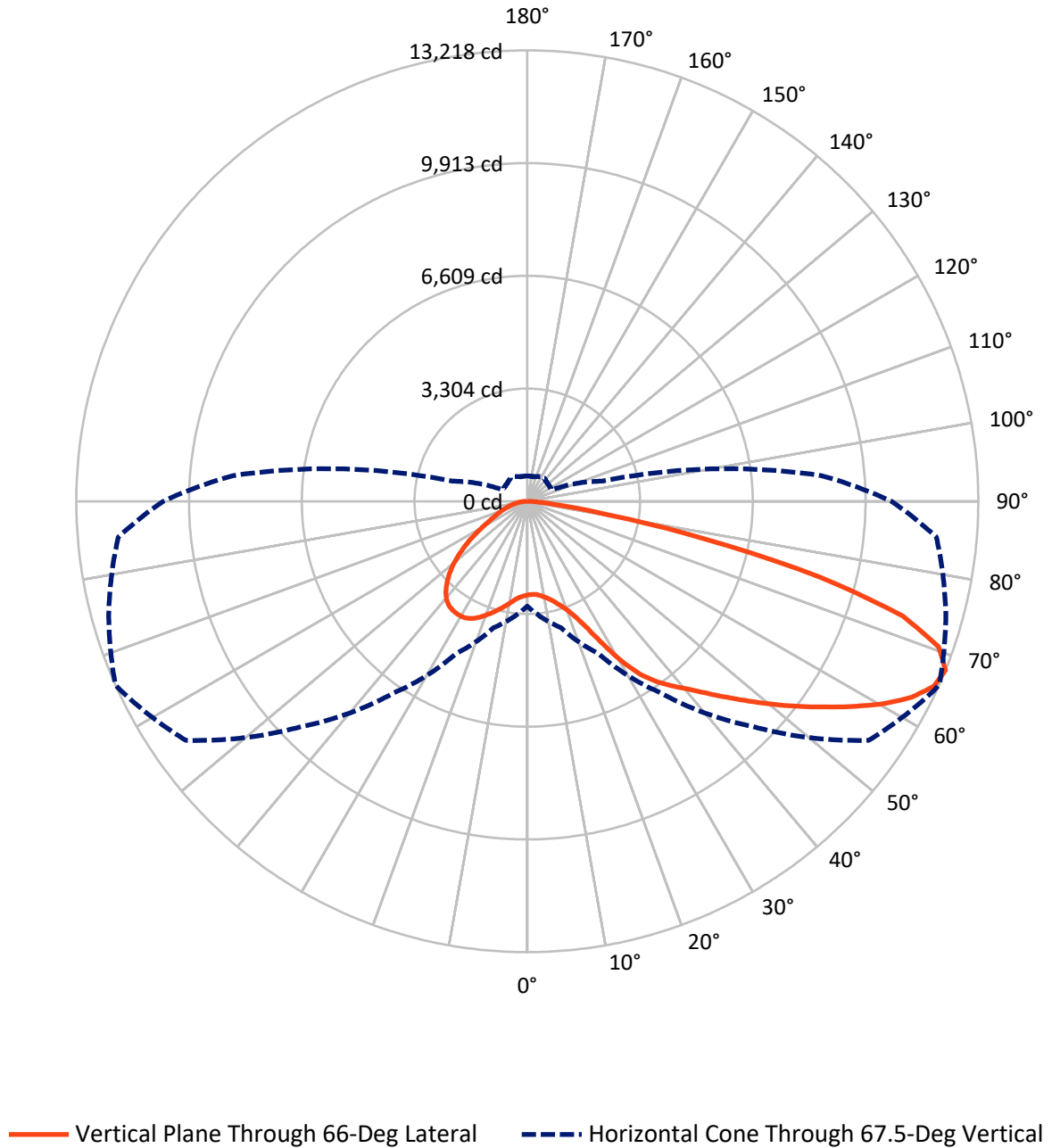
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6156.8	0.0	6156.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18604.2	0.0	18604.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	24761.0	0.0	24761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	1.1
10°-20°	899.6	3.6
20°-30°	1733.9	7.0
30°-40°	3040.2	12.3
40°-50°	4519.8	18.3
50°-60°	5729.3	23.1
60°-70°	5606.0	22.6
70°-80°	2674.1	10.8
80°-90°	285.8	1.2
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°	24761.0	100.0
0°-180°	24761.0	100.0

Coefficient of Utilization



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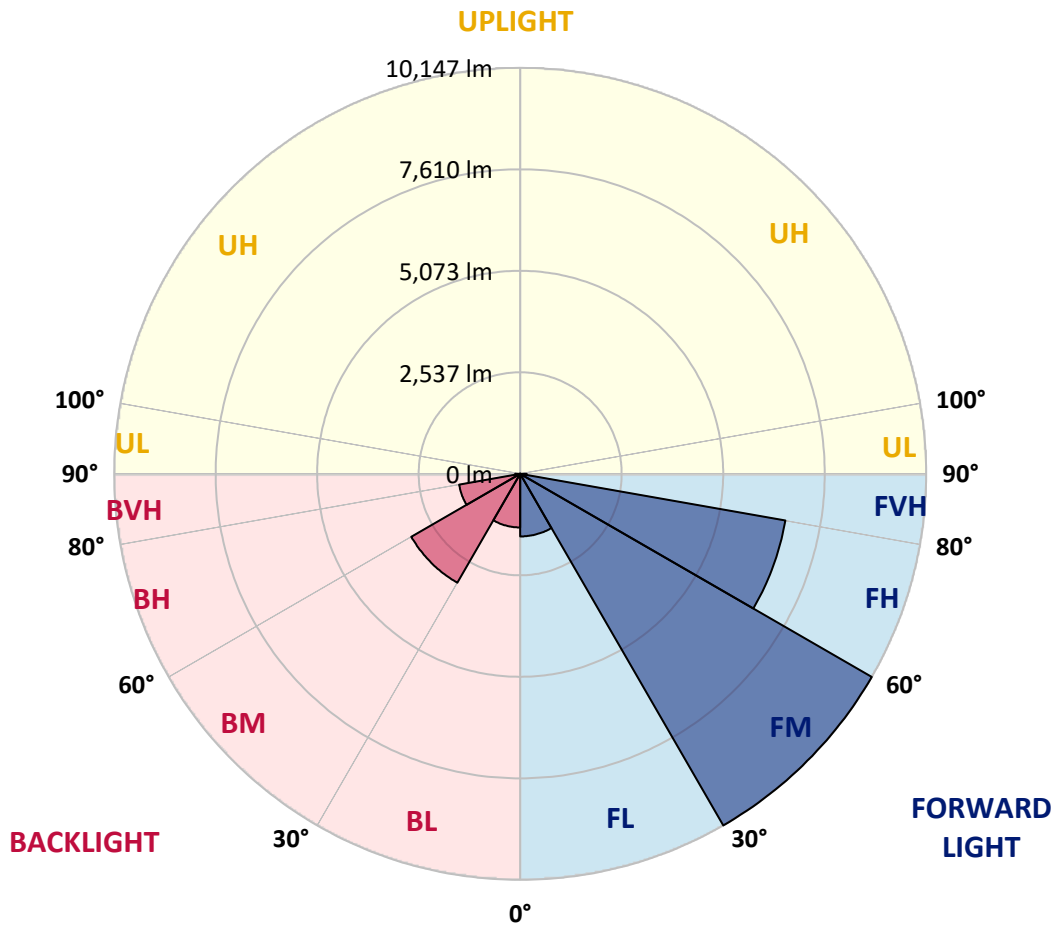
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1564.6	6.3			
FM (30°-60°)	10146.8	41.0			
FH (60°-80°)	6730.7	27.2			G3/7500
FVH (80°-90°)	162.0	0.7			G2/225
BL (0°-30°)	1341.2	5.4	B3/2500		
BM (30°-60°)	3142.5	12.7	B3/5000		
BH (60°-80°)	1549.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	123.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3
2.5°	2717.7	2733.3	2729.4	2722.9	2721.6	2724.2	2728.1	2732.0	2730.7	2737.2
5°	2709.9	2725.5	2724.2	2724.2	2729.4	2739.8	2746.3	2752.8	2746.3	2754.1
7.5°	2715.1	2726.8	2732.0	2737.2	2750.2	2769.7	2785.4	2799.7	2791.9	2801.0
10°	2781.4	2790.6	2795.8	2795.8	2804.9	2827.0	2842.6	2868.6	2862.1	2876.4
12.5°	2902.4	2911.5	2911.5	2906.3	2912.8	2927.2	2932.4	2961.0	2949.3	2972.7
15°	3050.7	3069.0	3054.6	3045.5	3048.1	3062.5	3061.2	3083.3	3071.6	3091.1
17.5°	3214.7	3238.1	3214.7	3213.4	3208.2	3223.8	3225.1	3244.6	3223.8	3238.1
20°	3408.5	3441.0	3421.5	3428.0	3416.3	3422.8	3429.3	3457.9	3425.4	3435.8
22.5°	3681.7	3720.7	3699.9	3724.6	3716.8	3711.6	3710.3	3761.1	3710.3	3714.2
25°	4079.8	4126.6	4090.2	4124.0	4124.0	4140.9	4160.5	4225.5	4140.9	4116.2
27.5°	4667.8	4714.7	4643.1	4663.9	4657.4	4699.1	4678.2	4839.6	4748.5	4708.2
30°	5375.6	5458.8	5323.5	5318.3	5311.8	5378.2	5408.1	5514.8	5422.4	5382.1
32.5°	6140.5	6227.7	6066.4	6019.5	5994.8	6035.1	6010.4	6096.3	6032.5	5970.1
35°	6949.7	7035.6	6882.1	6791.0	6692.1	6607.6	6519.1	6541.2	6481.4	6386.4
37.5°	7714.7	7872.1	7709.5	7611.9	7429.8	7264.5	7017.4	6914.6	6858.7	6771.5
40°	8494.0	8583.7	8460.1	8376.9	8179.1	7920.2	7524.7	7307.5	7232.0	7147.5
42.5°	9067.7	9153.5	9087.2	9029.9	8875.1	8574.6	8063.3	7791.4	7682.2	7587.2
45°	9523.0	9586.8	9545.1	9565.9	9499.6	9208.2	8621.4	8310.5	8197.3	8081.6
47.5°	9706.4	9774.1	9840.4	9964.0	10077.2	9862.6	9221.2	8872.5	8752.8	8634.5
50°	9685.6	9754.6	9947.1	10209.9	10561.2	10489.6	9853.5	9471.0	9360.4	9225.1
52.5°	9519.1	9597.2	9844.3	10281.5	10840.9	10959.3	10497.4	10088.9	9984.9	9823.5
55°	9082.0	9128.8	9499.6	10118.9	10907.2	11287.1	11128.4	10747.2	10643.1	10418.1
57.5°	8271.5	8339.1	8879.0	9680.4	10740.7	11509.6	11682.6	11439.3	11339.1	11015.2
60°	7213.8	7321.8	7939.7	8944.1	10316.6	11508.3	12186.1	12119.7	12036.5	11603.2
62.5°	6016.9	6141.8	6736.4	7903.3	9575.1	11181.7	12500.9	12689.5	12646.6	12145.7
65°	4621.0	4706.9	5298.8	6556.8	8421.1	10480.5	12537.3	13078.5	13086.3	12558.1
67.5°	3076.8	3323.9	3837.8	4920.2	6875.6	9334.4	12217.3	13142.3	13217.7	12700.0
70°	1501.3	1826.5	2330.0	3197.8	4920.2	7576.8	11380.8	12619.3	12787.1	12286.2
72.5°	623.2	728.5	1003.0	1578.1	2824.4	5112.8	9699.9	11201.2	11512.2	10886.4
75°	420.2	455.3	573.7	809.2	1286.6	2521.3	6995.3	8352.1	8853.0	8222.1
77.5°	323.9	346.1	417.6	565.9	765.0	953.6	3744.2	5033.4	5292.3	4899.4
80°	255.0	271.9	312.2	412.4	542.5	510.0	1276.2	2280.6	2430.2	2038.6
82.5°	221.2	227.7	223.8	279.7	360.4	297.9	418.9	841.7	928.9	673.9
85°	160.0	178.2	186.0	173.0	191.2	150.9	171.7	297.9	327.8	292.7
87.5°	65.0	96.3	118.4	111.9	70.3	42.9	53.3	87.2	100.2	109.3
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°
2746.3	0°	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3	2746.3
2747.6	2.5°	2748.9	2758.0	2764.5	2772.3	2777.5	2785.4	2801.0	2810.1	2811.4	2817.9
2768.4	5°	2773.6	2786.7	2801.0	2821.8	2845.2	2864.7	2894.6	2915.4	2923.3	2929.8
2819.2	7.5°	2827.0	2845.2	2871.2	2907.6	2941.5	2967.5	3003.9	3028.6	3053.3	3062.5
2899.8	10°	2906.3	2932.4	2970.1	3019.5	3056.0	3089.8	3127.5	3148.3	3173.0	3183.4
2996.1	12.5°	3005.2	3032.5	3082.0	3150.9	3184.7	3208.2	3221.2	3216.0	3221.2	3230.3
3111.9	15°	3118.4	3148.3	3204.3	3278.4	3301.8	3281.0	3252.4	3226.4	3222.5	3225.1
3252.4	17.5°	3252.4	3274.5	3339.6	3402.0	3385.1	3299.2	3236.8	3195.2	3174.3	3167.8
3431.9	20°	3439.7	3439.7	3493.1	3532.1	3418.9	3273.2	3175.6	3108.0	3065.1	3046.8
3676.5	22.5°	3667.4	3646.6	3680.4	3653.1	3412.4	3200.4	3065.1	2948.0	2882.9	2856.9
4018.7	25°	3956.2	3931.5	3922.4	3753.3	3365.6	3084.6	2864.7	2722.9	2665.7	2651.4
4511.7	27.5°	4392.0	4329.6	4211.2	3807.9	3279.7	2902.4	2630.5	2499.1	2466.6	2467.9
5145.3	30°	4972.3	4847.4	4557.3	3817.0	3139.2	2644.8	2391.2	2297.5	2281.9	2288.4
5677.4	32.5°	5509.6	5391.2	4911.1	3775.4	2923.3	2392.5	2176.5	2114.1	2090.6	2098.4
6083.3	35°	5931.1	5898.5	5239.0	3716.8	2657.9	2155.7	1984.0	1930.6	1885.1	1874.7
6465.8	37.5°	6329.2	6316.2	5484.8	3634.9	2395.1	1987.9	1829.1	1758.9	1692.5	1656.1
6888.6	40°	6766.3	6753.3	5646.2	3508.7	2162.2	1842.2	1689.9	1597.6	1515.6	1449.3
7367.3	42.5°	7258.0	7181.3	5722.9	3327.9	1964.4	1718.6	1576.8	1451.9	1343.9	1282.7
7908.5	45°	7795.3	7622.3	5721.6	3097.6	1797.9	1605.4	1455.8	1278.8	1178.7	1121.4
8464.0	47.5°	8365.2	8043.8	5651.4	2842.6	1636.6	1480.5	1268.4	1133.1	1066.8	1031.7
9067.7	50°	8953.2	8438.0	5531.7	2549.9	1471.4	1338.7	1151.3	1059.0	1008.2	975.7
9666.1	52.5°	9506.1	8795.8	5387.3	2218.1	1303.6	1200.8	1099.3	1027.8	974.4	938.0
10246.3	55°	10020.0	9104.1	5183.0	1878.6	1167.0	1108.4	1074.6	1014.7	953.6	910.7
10835.7	57.5°	10476.6	9304.5	4830.5	1559.8	1069.4	1044.7	1048.6	992.6	922.4	886.0
11415.9	60°	10856.5	9451.5	4308.8	1264.5	990.0	982.2	1008.2	951.0	869.0	827.4
11906.4	62.5°	11084.2	9448.9	3668.7	1035.6	922.4	925.0	954.9	899.0	815.7	776.7
12162.7	65°	11064.6	9217.3	2966.2	886.0	857.3	859.9	899.0	841.7	771.5	748.1
12033.9	67.5°	10673.1	8652.7	2275.4	788.4	785.8	797.5	843.0	802.7	744.1	741.5
11266.3	70°	9612.8	7480.5	1639.2	710.3	711.6	728.5	788.4	778.0	729.8	735.0
9472.3	72.5°	7708.2	5703.4	1100.6	628.4	629.7	657.0	736.3	758.5	715.5	784.5
6720.7	75°	5133.6	3556.8	707.7	541.2	542.5	577.6	690.8	720.7	676.5	781.9
3497.0	77.5°	2466.6	1598.9	512.6	455.3	455.3	487.9	597.1	645.3	576.3	607.5
1124.0	80°	852.1	601.0	403.3	366.9	359.1	381.2	503.5	559.4	497.0	457.9
366.9	82.5°	335.6	312.2	323.9	284.9	258.9	273.2	391.6	461.8	365.6	330.4
206.9	85°	192.5	202.9	229.0	188.6	149.6	167.8	287.5	331.7	275.8	243.3
67.6	87.5°	52.0	71.6	105.4	97.6	67.6	71.6	136.6	183.4	158.7	122.3
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°
2746.3
2816.6
2928.5
3063.8
3188.6
3232.9
3234.2
3176.9
3042.9
2853.0
2654.0
2471.8
2310.5
2108.9
1882.5
1657.4
1455.8
1286.6
1118.8
1023.9
964.0
922.4
893.8
862.5
809.2
765.0
746.7
745.4
733.7
794.9
788.4
556.8
429.3
329.1
248.5
126.2
0.0

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