

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: P948500

Luminaire Tested: **GALN-SB3C-740-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-740-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24091 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

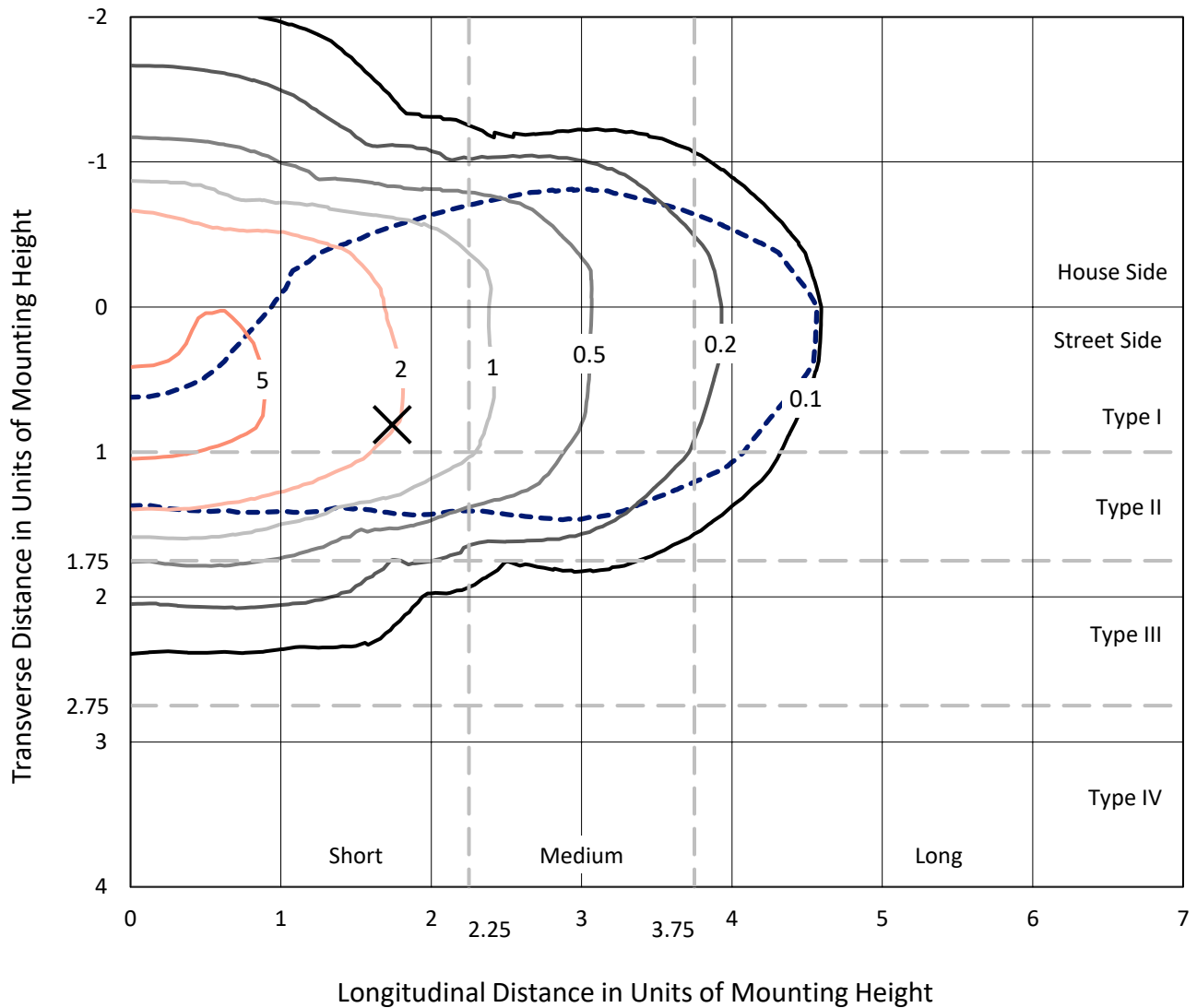
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

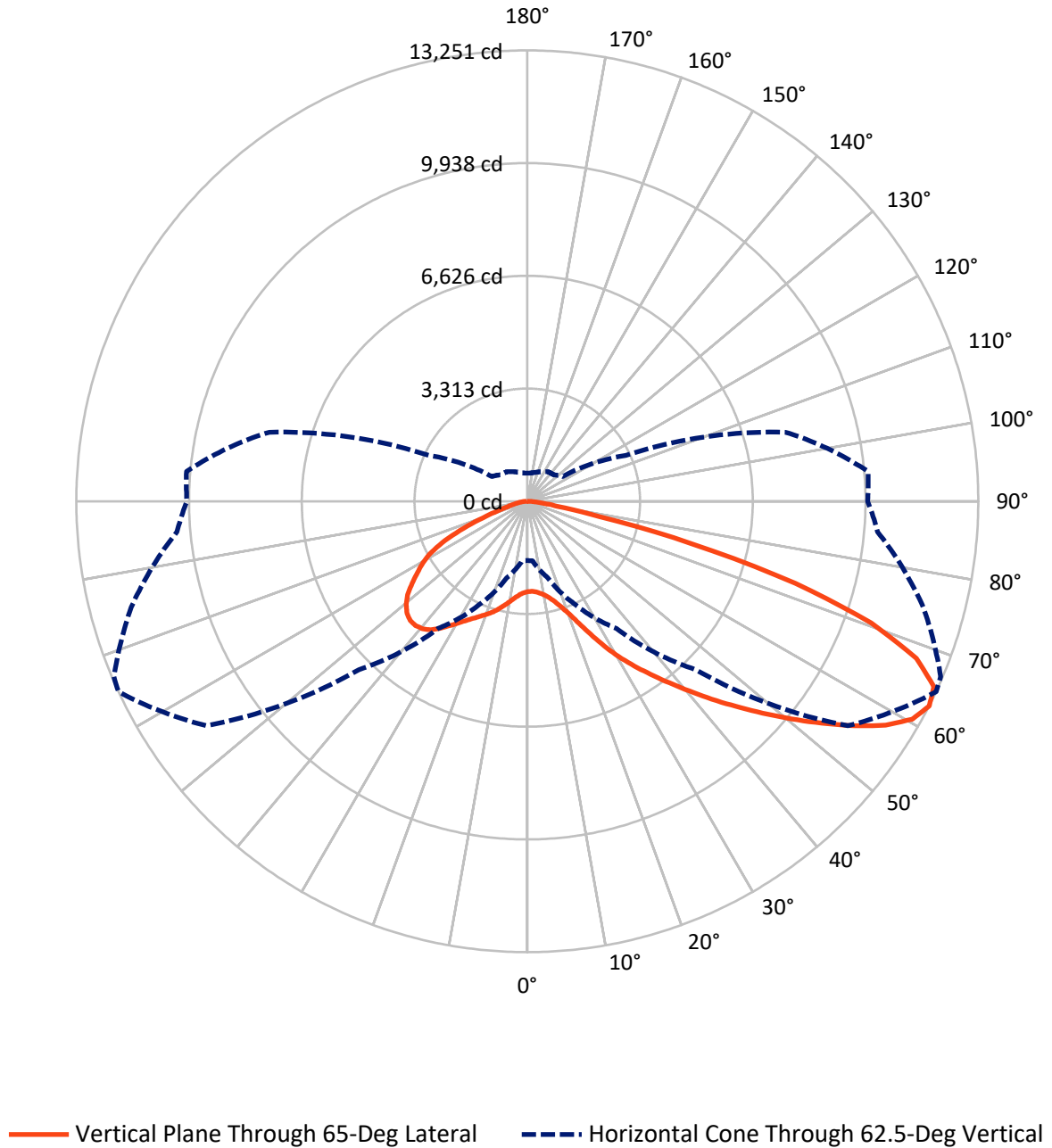
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7602.1	0.0	7602.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	16488.9	0.0	16488.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	24091.0	0.0	24091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.7	1.1
10°-20°	897.5	3.7
20°-30°	1819.8	7.6
30°-40°	3149.2	13.1
40°-50°	4765.7	19.8
50°-60°	5587.5	23.2
60°-70°	4684.4	19.4
70°-80°	2586.2	10.7
80°-90°	335.9	1.4
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°	24091.0	100.0
0°-180°	24091.0	100.0

Coefficient of Utilization



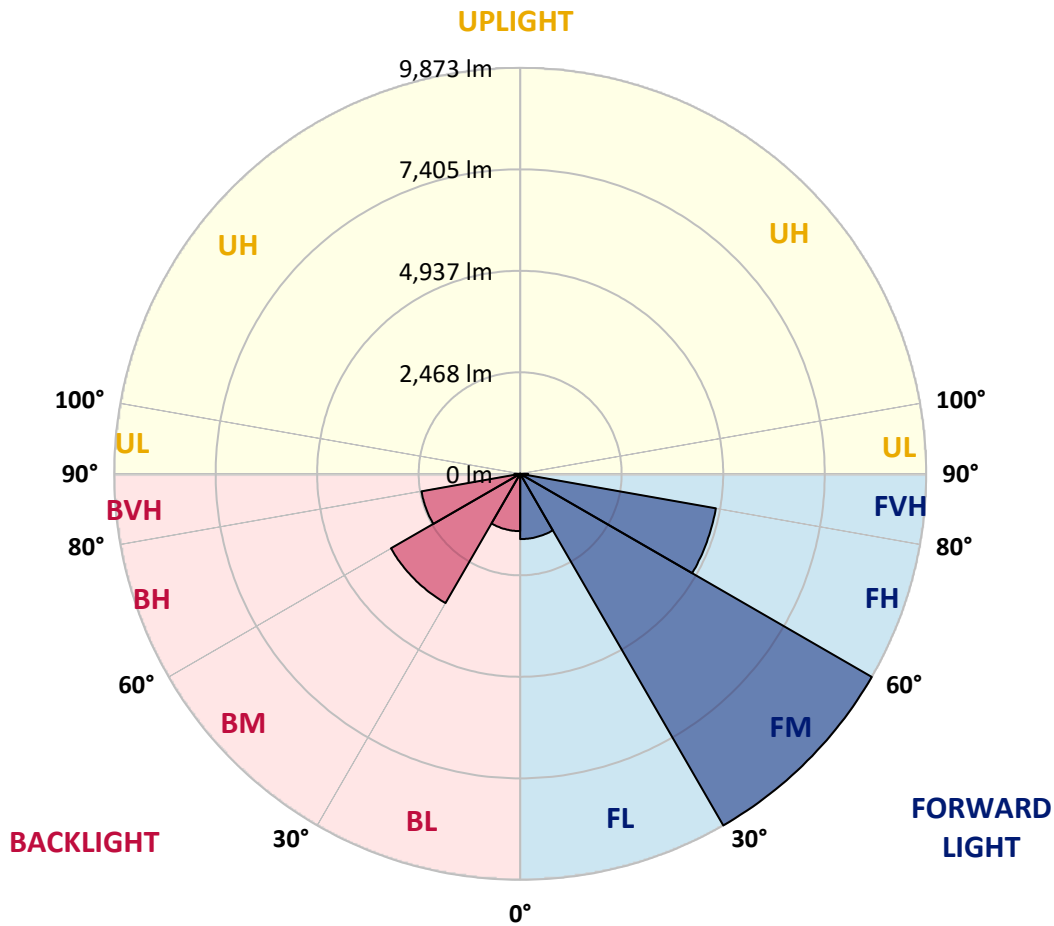
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.9	6.6			
FM (30°-60°)	9873.3	41.0			
FH (60°-80°)	4831.9	20.1			G2/5000
FVH (80°-90°)	195.8	0.8			G2/225
BL (0°-30°)	1394.1	5.8	B3/2500		
BM (30°-60°)	3629.1	15.1	B3/5000		
BH (60°-80°)	2438.7	10.1	B3/2500		G3/2500
BVH (80°-90°)	140.1	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7
2.5°	2637.2	2629.7	2636.0	2636.0	2638.5	2637.2	2646.0	2648.5	2652.2	2659.7
5°	2611.0	2609.7	2621.0	2631.0	2641.0	2649.7	2661.0	2677.2	2679.7	2688.5
7.5°	2602.2	2594.7	2612.2	2624.7	2648.5	2669.7	2699.7	2727.2	2738.5	2742.2
10°	2669.7	2657.2	2673.5	2681.0	2701.0	2722.2	2757.2	2801.0	2813.5	2828.5
12.5°	2784.7	2771.0	2794.7	2806.0	2824.7	2843.5	2867.2	2909.7	2915.9	2943.4
15°	2942.2	2925.9	2940.9	2954.7	2985.9	3003.4	3027.2	3068.4	3068.4	3089.7
17.5°	3155.9	3134.7	3145.9	3150.9	3170.9	3197.2	3237.2	3273.4	3292.2	3284.7
20°	3474.6	3448.4	3448.4	3423.4	3415.9	3437.1	3489.6	3539.6	3559.6	3520.9
22.5°	3953.3	3915.8	3894.6	3809.6	3775.9	3778.4	3830.9	3892.1	3908.3	3839.6
25°	4562.0	4503.3	4474.5	4349.5	4273.3	4207.1	4248.3	4327.0	4349.5	4264.6
27.5°	5170.7	5174.5	5147.0	4997.0	4870.7	4749.5	4728.3	4810.7	4834.5	4738.3
30°	6024.4	5935.6	5883.1	5703.2	5523.2	5353.2	5265.7	5299.4	5305.7	5190.7
32.5°	6760.5	6738.0	6625.6	6468.1	6236.9	5970.6	5824.4	5770.6	5760.7	5596.9
35°	7599.2	7586.7	7468.0	7280.5	7030.5	6660.6	6396.8	6243.1	6230.6	6000.6
37.5°	8451.6	8451.6	8335.4	8130.4	7871.7	7409.2	7008.0	6764.3	6724.3	6424.3
40°	9131.5	9090.3	9111.6	9025.3	8729.1	8237.9	7686.7	7333.0	7279.2	6919.3
42.5°	9517.8	9504.0	9631.5	9727.7	9606.5	9214.0	8434.1	7949.2	7874.2	7464.2
45°	9604.0	9589.0	9816.5	10168.9	10338.9	10177.7	9246.5	8597.9	8506.6	8034.2
47.5°	9405.3	9375.3	9709.0	10265.2	10810.1	11093.8	10126.4	9301.5	9169.0	8589.1
50°	8807.8	8779.1	9284.0	10022.7	10968.9	11716.3	11081.3	10047.7	9845.2	9184.0
52.5°	7509.2	7523.0	8314.1	9329.0	10760.1	12103.7	11903.8	10833.9	10590.1	9792.7
55°	5849.4	5879.4	6851.8	7969.2	9925.2	12045.0	12465.0	11643.8	11401.3	10365.2
57.5°	4188.3	4320.8	5232.0	6338.1	8321.6	11113.8	12587.4	12413.7	12178.7	10990.1
60°	2714.7	2738.5	3675.9	4790.8	6336.8	9459.0	12338.7	12997.4	12813.7	11627.5
62.5°	1739.8	1756.1	2327.3	3350.9	4560.8	6998.0	11501.3	13251.1	13194.9	12048.7
65°	1278.6	1266.1	1563.6	2214.8	3072.2	4315.8	9875.2	13128.6	13239.9	12312.5
67.5°	1067.4	1049.9	1196.1	1533.6	2263.5	2451.0	7306.7	12332.5	12739.9	12282.5
70°	972.4	957.4	1046.1	1138.6	1766.1	1641.1	3683.4	10721.4	11348.8	11941.3
72.5°	823.7	797.4	918.7	1011.1	1373.6	1258.6	1522.3	8235.4	9000.3	10847.6
75°	638.7	621.2	724.9	889.9	1032.4	982.4	962.4	5000.7	5835.6	8389.1
77.5°	506.2	482.4	577.4	693.7	928.7	741.2	701.2	2153.5	2980.9	5355.7
80°	381.2	360.0	438.7	548.7	713.7	558.7	453.7	878.7	1123.6	2713.5
82.5°	271.2	252.5	306.2	402.5	480.0	501.2	278.7	492.4	553.7	1046.1
85°	173.7	162.5	205.0	252.5	305.0	322.5	170.0	257.5	282.5	431.2
87.5°	95.0	77.5	110.0	117.5	141.2	128.7	81.2	93.7	101.2	156.2
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°
2654.7	0°	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7	2654.7
2659.7	2.5°	2664.7	2668.5	2681.0	2684.7	2693.5	2704.7	2712.2	2719.7	2719.7	2727.2
2699.7	5°	2701.0	2709.7	2736.0	2749.7	2772.2	2794.7	2808.5	2824.7	2834.7	2839.7
2763.5	7.5°	2771.0	2784.7	2822.2	2846.0	2884.7	2915.9	2937.2	2959.7	2964.7	2978.4
2852.2	10°	2866.0	2882.2	2924.7	2969.7	3015.9	3054.7	3074.7	3090.9	3097.2	3099.7
2965.9	12.5°	2974.7	2998.4	3053.4	3108.4	3157.2	3190.9	3195.9	3192.2	3174.7	3159.7
3105.9	15°	3108.4	3129.7	3190.9	3250.9	3298.4	3304.7	3273.4	3253.4	3232.2	3228.4
3262.2	17.5°	3268.4	3279.7	3335.9	3394.6	3398.4	3377.1	3330.9	3312.2	3292.2	3278.4
3465.9	20°	3454.6	3450.9	3490.9	3515.9	3489.6	3424.6	3354.7	3323.4	3303.4	3287.2
3715.9	22.5°	3677.1	3648.4	3643.4	3637.1	3567.1	3430.9	3335.9	3295.9	3264.7	3242.2
4064.6	25°	4000.8	3890.8	3814.6	3772.1	3614.6	3397.1	3275.9	3187.2	3128.4	3089.7
4490.8	27.5°	4405.8	4220.8	4028.3	3924.6	3614.6	3328.4	3130.9	2987.2	2890.9	2851.0
4903.2	30°	4792.0	4598.3	4314.6	4108.3	3605.9	3215.9	2897.2	2697.2	2584.7	2544.7
5255.7	32.5°	5122.0	4910.7	4618.3	4309.6	3584.6	3033.4	2607.2	2386.0	2277.3	2229.8
5604.4	35°	5428.2	5203.2	4923.2	4530.8	3528.4	2766.0	2288.5	2119.8	1998.5	1922.3
5959.4	37.5°	5741.9	5474.4	5212.0	4730.8	3427.1	2453.5	2043.5	1899.8	1757.3	1654.8
6336.8	40°	6083.1	5763.2	5520.7	4849.5	3260.9	2156.0	1853.6	1722.3	1571.1	1462.3
6771.8	42.5°	6481.8	6109.4	5864.4	4910.7	3033.4	1944.8	1729.8	1601.1	1458.6	1369.9
7238.0	45°	6898.0	6490.6	6178.1	4909.5	2779.7	1846.1	1689.8	1562.3	1404.9	1312.4
7716.7	47.5°	7334.2	6889.3	6449.3	4829.5	2559.7	1859.8	1667.3	1478.6	1304.9	1214.9
8200.4	50°	7771.7	7325.5	6711.8	4679.5	2466.0	1829.8	1583.6	1361.1	1156.1	1074.9
8654.1	52.5°	8205.4	7789.2	6938.0	4465.8	2371.0	1718.6	1476.1	1208.6	1094.9	1038.6
9122.8	55°	8641.6	8247.9	7184.3	4154.6	2133.5	1588.6	1296.1	1151.1	1046.1	994.9
9581.5	57.5°	9079.1	8777.8	7418.0	3843.4	1834.8	1428.6	1197.4	1081.1	997.4	953.7
9965.2	60°	9534.0	9384.0	7659.2	3557.1	1539.8	1223.6	1124.9	1024.9	939.9	891.2
10333.9	62.5°	10002.7	10051.5	7847.9	3188.4	1268.6	1098.6	1059.9	957.4	874.9	828.7
10638.9	65°	10475.2	10695.1	7971.7	2677.2	1028.6	979.9	989.9	883.7	799.9	759.9
10862.6	67.5°	10831.4	11158.8	7936.7	2026.0	843.7	867.4	902.4	806.2	727.4	696.2
10826.4	70°	10871.4	11103.8	7591.7	1387.4	706.2	757.4	804.9	729.9	648.7	626.2
10316.4	72.5°	10338.9	10353.9	6630.6	906.2	597.4	664.9	702.4	652.4	573.7	551.2
9025.3	75°	8942.8	8562.9	4868.2	597.4	499.9	571.2	606.2	571.2	494.9	499.9
6753.0	77.5°	6775.5	6064.4	2955.9	425.0	417.5	480.0	527.4	502.4	437.5	491.2
3395.9	80°	3490.9	3280.9	1318.6	317.5	330.0	383.7	433.7	401.2	346.2	330.0
758.7	82.5°	799.9	929.9	519.9	227.5	238.7	276.2	331.2	301.2	248.7	210.0
316.2	85°	280.0	306.2	230.0	142.5	140.0	172.5	225.0	201.2	168.7	135.0
133.7	87.5°	88.7	116.2	86.2	57.5	60.0	77.5	103.7	95.0	78.7	51.2
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>
2654.7
2727.2
2842.2
2973.4
3093.4
3159.7
3228.4
3279.7
3288.4
3249.7
3104.7
2871.0
2568.5
2253.5
1947.3
1682.3
1483.6
1387.4
1327.4
1227.4
1079.9
1038.6
989.9
946.2
887.4
827.4
758.7
697.4
627.4
549.9
482.4
432.5
301.2
207.5
142.5
53.7
0.0

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