

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: P952620

Luminaire Tested: **GALN-SB6B-930-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-930-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23708 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

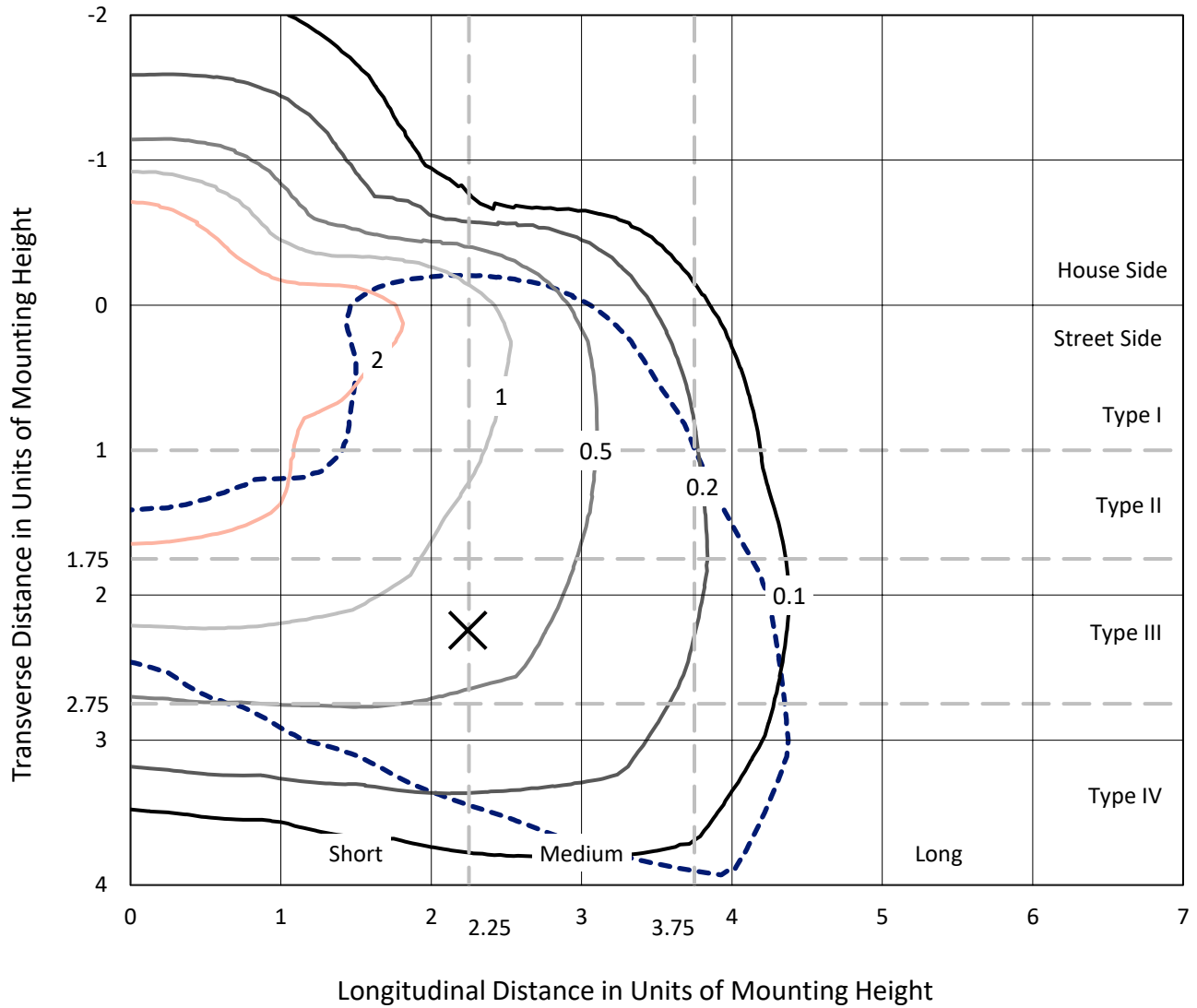
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

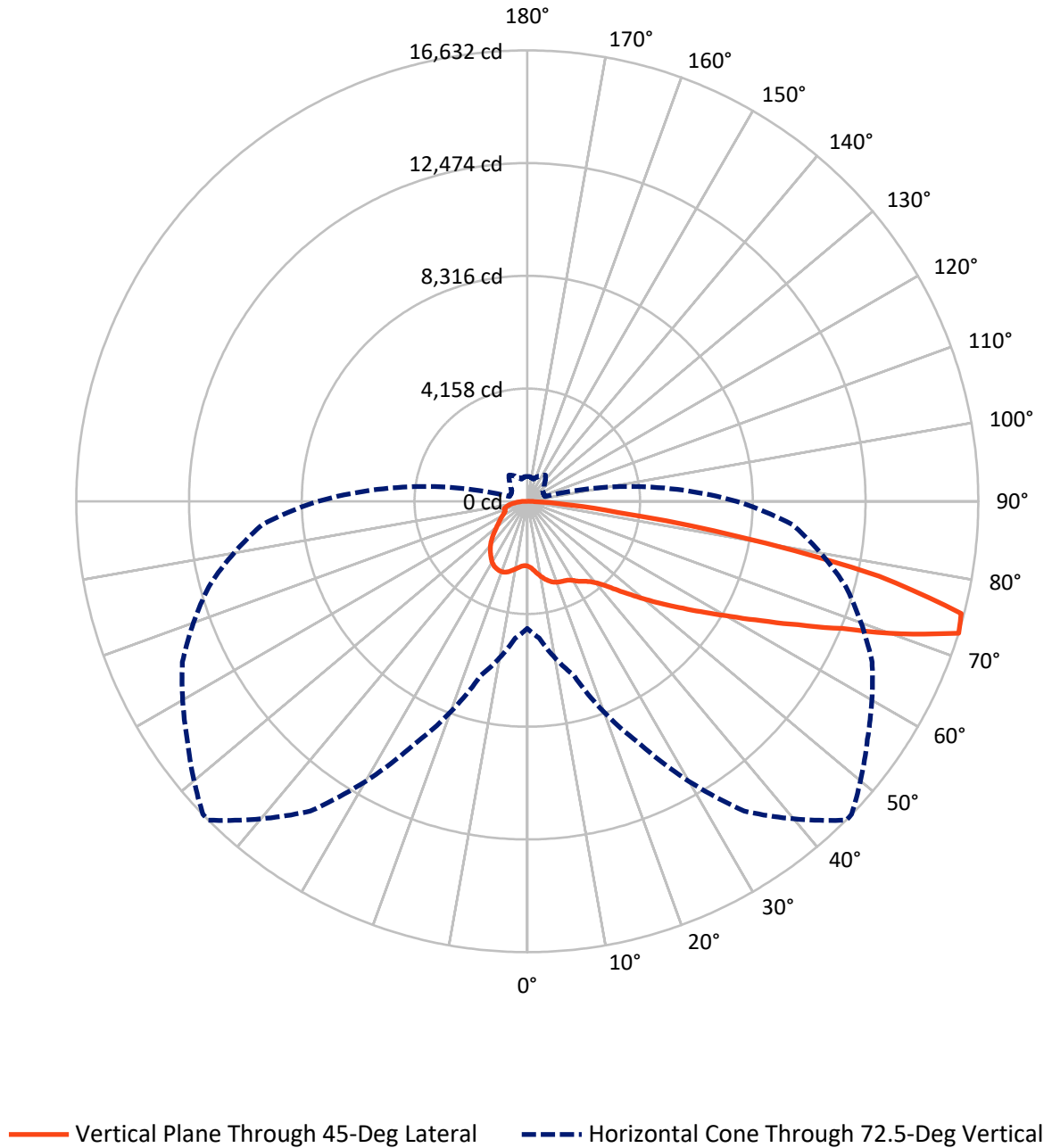
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5359.6	0.0	5359.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	18348.4	0.0	18348.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	23708.0	0.0	23708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.4	1.0
10°-20°	811.6	3.4
20°-30°	1411.8	6.0
30°-40°	2024.0	8.5
40°-50°	2849.8	12.0
50°-60°	4365.1	18.4
60°-70°	6323.5	26.7
70°-80°	5049.7	21.3
80°-90°	628.9	2.7
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°	23708.0	100.0
0°-180°	23708.0	100.0

Coefficient of Utilization



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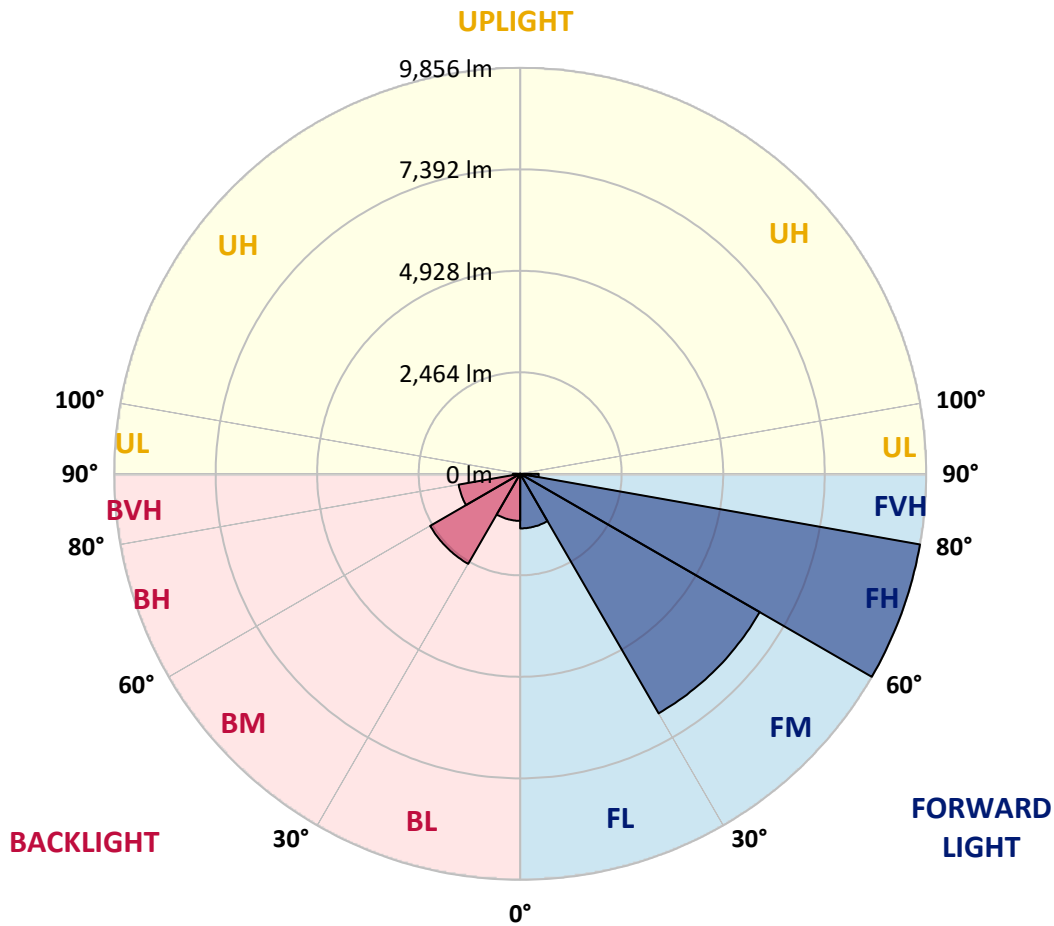
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1325.8	5.6			
FM (30°-60°)	6715.3	28.3			
FH (60°-80°)	9856.1	41.6			G4/12000
FVH (80°-90°)	451.2	1.9			G3/500
BL (0°-30°)	1141.1	4.8	B3/2500		
BM (30°-60°)	2523.6	10.6	B3/5000		
BH (60°-80°)	1517.2	6.4	B3/2500		G3/2500
BVH (80°-90°)	177.7	0.7			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°	45°	46°	55°	65°	75°
0°	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7
2.5°	2485.3	2501.6	2486.6	2472.9	2466.6	2450.4	2449.1	2439.1	2432.9	2415.4
5°	2658.9	2680.2	2655.2	2627.7	2602.7	2562.8	2557.8	2529.1	2496.6	2459.1
7.5°	2855.0	2873.8	2845.0	2803.8	2760.1	2693.9	2692.7	2640.2	2589.0	2525.3
10°	3026.1	3051.1	3012.4	2956.2	2901.2	2826.3	2817.6	2757.6	2692.7	2610.2
12.5°	3177.2	3194.7	3157.3	3088.6	3024.9	2949.9	2938.7	2872.5	2800.1	2706.4
15°	3297.1	3319.6	3269.7	3196.0	3128.5	3054.9	3044.9	2984.9	2912.5	2813.8
17.5°	3375.8	3394.6	3343.4	3260.9	3196.0	3134.8	3127.3	3077.3	3013.6	2913.7
20°	3405.8	3425.8	3372.1	3288.4	3228.5	3181.0	3177.2	3141.0	3097.3	3006.1
22.5°	3435.8	3454.5	3384.6	3297.1	3244.7	3214.7	3213.5	3189.7	3172.2	3097.3
25°	3556.9	3561.9	3468.2	3342.1	3267.2	3240.9	3239.7	3238.4	3245.9	3187.2
27.5°	3661.8	3660.6	3580.6	3462.0	3345.8	3290.9	3289.6	3302.1	3325.9	3277.2
30°	3815.4	3801.7	3706.8	3583.1	3477.0	3392.1	3384.6	3373.3	3392.1	3353.3
32.5°	4141.4	4097.7	3944.1	3724.3	3585.6	3520.7	3510.7	3440.8	3448.3	3424.5
35°	4608.5	4551.1	4346.2	3991.5	3720.5	3628.1	3623.1	3534.4	3519.4	3498.2
37.5°	5164.3	5093.1	4854.5	4378.7	3952.8	3753.0	3745.5	3665.6	3604.4	3581.9
40°	5722.5	5632.6	5435.3	4850.8	4295.0	3961.6	3937.8	3816.7	3746.8	3709.3
42.5°	6264.6	6189.6	6021.0	5380.3	4717.2	4266.3	4213.8	4006.5	3954.1	3919.1
45°	6744.2	6676.7	6553.1	5946.1	5211.7	4680.9	4629.7	4291.3	4275.0	4275.0
47.5°	7133.8	7118.8	6987.7	6523.1	5795.0	5153.0	5064.4	4687.2	4730.9	4798.3
50°	7565.9	7524.7	7384.8	7091.3	6480.6	5693.8	5621.4	5173.0	5336.6	5521.5
52.5°	7963.1	7985.6	7829.5	7683.3	7255.0	6297.0	6169.6	5746.3	6099.7	6405.7
55°	8371.5	8372.7	8329.0	8309.0	8066.8	6964.0	6824.1	6435.7	6997.7	7377.4
57.5°	8754.9	8757.4	8822.3	8998.4	9008.4	7733.3	7574.7	7282.4	7995.6	8382.7
60°	9097.1	9114.6	9291.9	9704.1	9836.5	8615.0	8465.2	8282.8	9027.2	9416.8
62.5°	9212.0	9275.7	9670.4	10256.1	10654.5	9696.6	9549.2	9440.6	10111.2	10473.4
65°	9017.2	9163.3	9926.4	10712.0	11496.3	10981.7	10835.6	10717.0	11237.8	11578.7
67.5°	8538.8	8727.4	9911.4	11190.3	12517.9	12527.9	12391.8	12113.2	12445.5	12576.6
70°	7278.7	7560.9	9038.4	11368.9	13690.6	14642.3	14511.2	13794.3	13650.7	13016.2
72.5°	4689.7	5069.4	6655.5	9898.9	13951.7	16631.8	16624.3	15311.7	14031.6	12162.0
75°	1711.0	1943.3	3092.3	6213.4	11711.1	16530.7	16579.4	15051.9	12808.9	9394.4
77.5°	623.2	681.9	1009.1	2387.9	7202.5	13263.5	13364.7	12033.3	9117.1	4714.7
80°	327.2	359.7	517.1	926.7	3086.1	7876.9	8035.5	7151.3	4285.0	1420.0
82.5°	181.1	196.1	289.7	503.3	1390.0	3368.3	3463.2	2825.0	1507.4	602.0
85°	97.4	103.7	136.1	274.8	679.4	1167.7	1194.0	844.3	600.7	353.4
87.5°	28.7	35.0	45.0	87.4	266.0	262.3	268.5	167.4	237.3	178.6
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°
2391.7	0°	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7
2410.4	2.5°	2402.9	2399.2	2385.4	2379.2	2371.7	2370.4	2376.7	2377.9	2379.2	2380.4
2437.9	5°	2425.4	2412.9	2400.4	2392.9	2395.4	2396.7	2409.2	2417.9	2424.1	2429.1
2489.1	7.5°	2469.1	2459.1	2437.9	2436.6	2440.4	2451.6	2467.9	2487.8	2499.1	2507.8
2555.3	10°	2534.1	2515.3	2490.3	2494.1	2501.6	2517.8	2551.5	2567.8	2586.5	2602.7
2636.5	12.5°	2600.2	2584.0	2555.3	2557.8	2570.3	2599.0	2631.5	2651.5	2663.9	2676.4
2723.9	15°	2686.4	2657.7	2626.5	2626.5	2649.0	2680.2	2695.2	2711.4	2718.9	2732.6
2817.6	17.5°	2775.1	2737.6	2696.4	2693.9	2721.4	2736.4	2745.1	2747.6	2750.1	2765.1
2908.7	20°	2863.8	2822.6	2763.9	2758.9	2765.1	2762.6	2761.4	2758.9	2762.6	2781.3
3002.4	22.5°	2951.2	2903.7	2822.6	2800.1	2782.6	2758.9	2757.6	2756.4	2758.9	2777.6
3103.6	25°	3053.6	2996.2	2887.5	2820.1	2761.4	2728.9	2732.6	2733.9	2736.4	2751.4
3208.5	27.5°	3164.8	3101.1	2947.4	2813.8	2707.7	2685.2	2678.9	2682.7	2691.4	2715.1
3313.4	30°	3275.9	3201.0	3002.4	2788.8	2640.2	2609.0	2589.0	2597.7	2625.2	2649.0
3404.5	32.5°	3377.1	3302.1	3046.1	2733.9	2554.0	2505.3	2479.1	2490.3	2517.8	2526.6
3505.7	35°	3495.7	3410.8	3064.8	2646.5	2460.4	2385.4	2350.5	2334.2	2348.0	2339.2
3624.4	37.5°	3628.1	3539.4	3062.3	2531.6	2350.5	2264.3	2215.6	2154.4	2125.7	2095.7
3799.2	40°	3824.2	3696.8	3032.4	2392.9	2214.3	2135.6	2048.2	1944.6	1879.6	1820.9
4081.5	42.5°	4091.5	3915.4	2977.4	2240.6	2060.7	1987.0	1868.4	1747.2	1644.8	1547.4
4509.8	45°	4489.9	4201.4	2908.7	2078.2	1894.6	1822.2	1693.5	1557.4	1441.3	1316.4
5118.1	47.5°	5064.4	4586.0	2843.8	1893.4	1719.8	1653.6	1537.4	1411.3	1273.9	1152.8
5997.3	50°	5853.7	5138.0	2783.8	1713.5	1547.4	1497.5	1405.0	1276.4	1137.8	1040.3
7027.7	52.5°	6857.8	5888.6	2758.9	1539.9	1386.3	1367.6	1293.9	1174.0	1042.8	960.4
8229.1	55°	8010.6	6786.6	2758.9	1373.8	1245.2	1251.4	1200.2	1089.1	975.4	901.7
9468.0	57.5°	9187.0	7695.8	2708.9	1220.2	1125.3	1151.5	1119.0	1021.6	919.2	843.0
10770.7	60°	10271.1	8457.7	2506.6	1080.3	1019.1	1060.3	1039.1	955.4	830.5	766.8
11859.7	62.5°	11104.1	8887.3	2116.9	969.2	931.7	979.2	967.9	868.0	814.3	788.1
12753.9	65°	11521.3	8817.4	1618.6	870.5	858.0	931.7	908.0	904.2	861.8	831.8
13044.9	67.5°	11265.2	8215.4	1174.0	798.1	815.5	888.0	979.2	994.1	915.5	856.8
12225.6	70°	10142.5	7126.3	874.2	729.4	761.8	889.2	1116.5	1040.3	898.0	829.3
9805.2	72.5°	7715.8	5314.1	678.2	656.9	691.9	895.5	1177.7	1019.1	848.0	916.7
6108.5	75°	4412.4	2917.5	544.5	568.3	604.5	836.8	1146.5	964.2	809.3	841.8
2420.4	77.5°	1682.3	1121.5	449.6	480.8	485.8	730.6	1096.5	960.4	770.6	751.8
725.6	80°	583.2	438.4	372.2	382.2	375.9	649.4	1051.6	835.5	630.7	564.5
299.7	82.5°	238.5	218.6	294.7	282.3	267.3	504.6	849.3	683.2	515.8	455.9
144.9	85°	103.7	138.6	194.8	171.1	154.9	349.7	680.7	578.2	435.9	375.9
47.5	87.5°	21.2	52.5	82.4	77.4	79.9	233.5	483.3	410.9	308.5	231.0
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>
2391.7
2385.4
2431.6
2510.3
2599.0
2681.4
2737.6
2770.1
2788.8
2790.1
2771.3
2738.9
2675.2
2557.8
2366.7
2114.4
1824.7
1538.7
1301.4
1139.0
1034.1
954.2
894.2
830.5
756.8
779.3
821.8
846.8
818.0
909.2
841.8
685.7
545.8
450.9
374.7
181.1
0.0

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