

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: P940712

Luminaire Tested: **GALN-SB3D-930-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21054 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

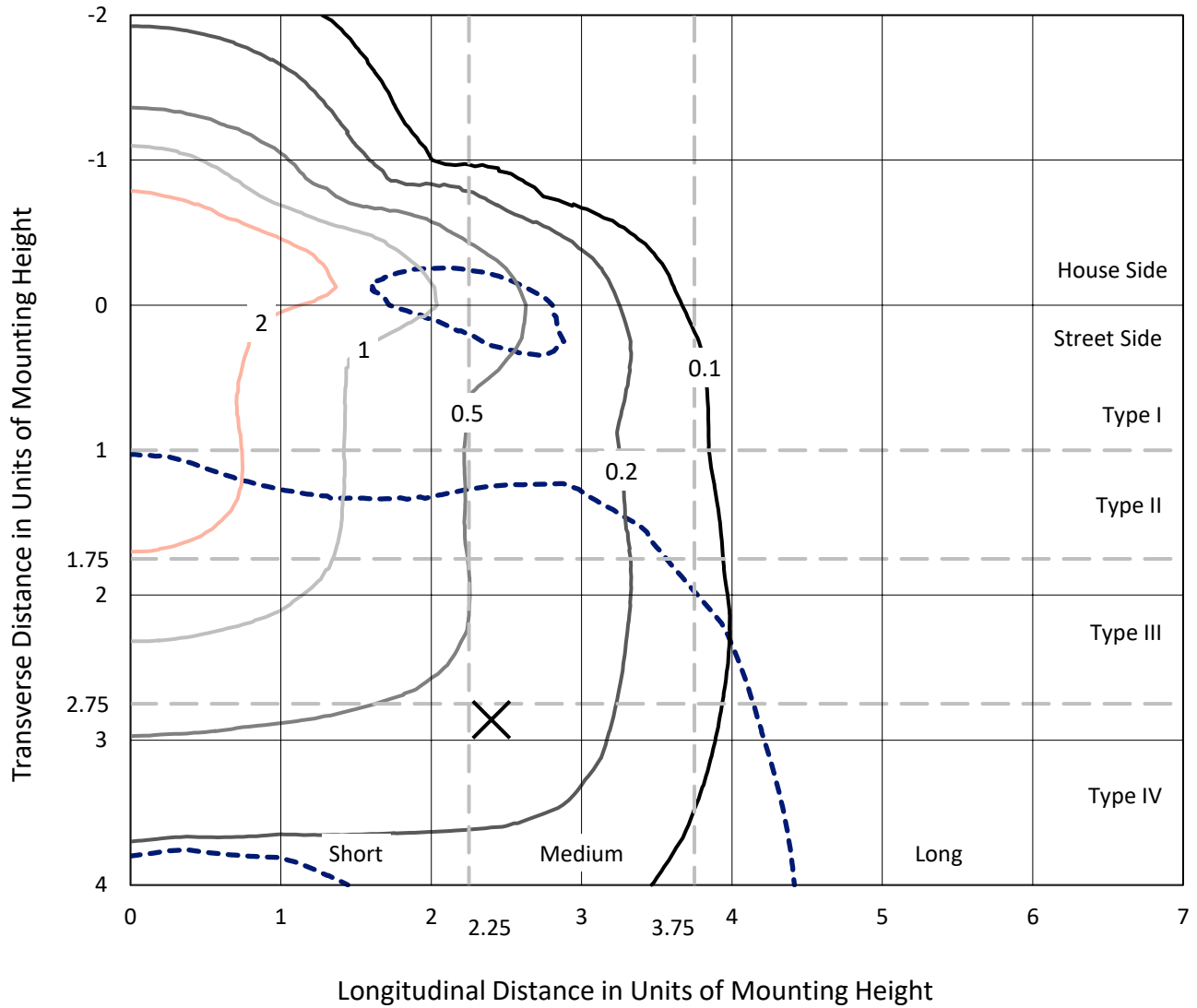
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940712
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Iso-Footcandle Lines of Horizontal Illumination

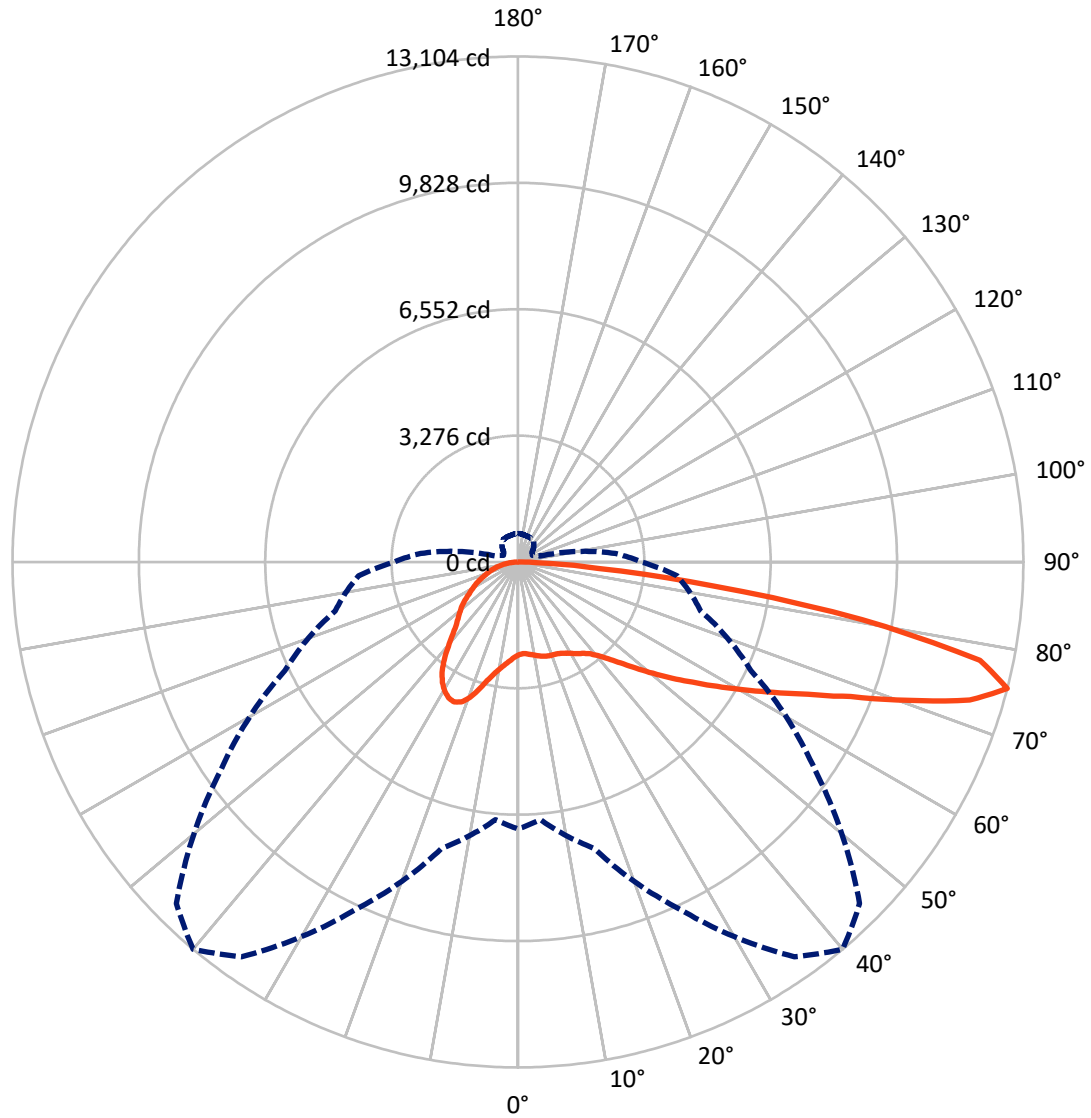
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P940712
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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6523.2	0.0	6523.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	14530.8	0.0	14530.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	21054.0	0.0	21054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	1.1
10°-20°	806.9	3.8
20°-30°	1473.3	7.0
30°-40°	2089.5	9.9
40°-50°	2821.4	13.4
50°-60°	3795.6	18.0
60°-70°	4817.5	22.9
70°-80°	4372.2	20.8
80°-90°	637.3	3.0
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°	21054.0	100.0
0°-180°	21054.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940712

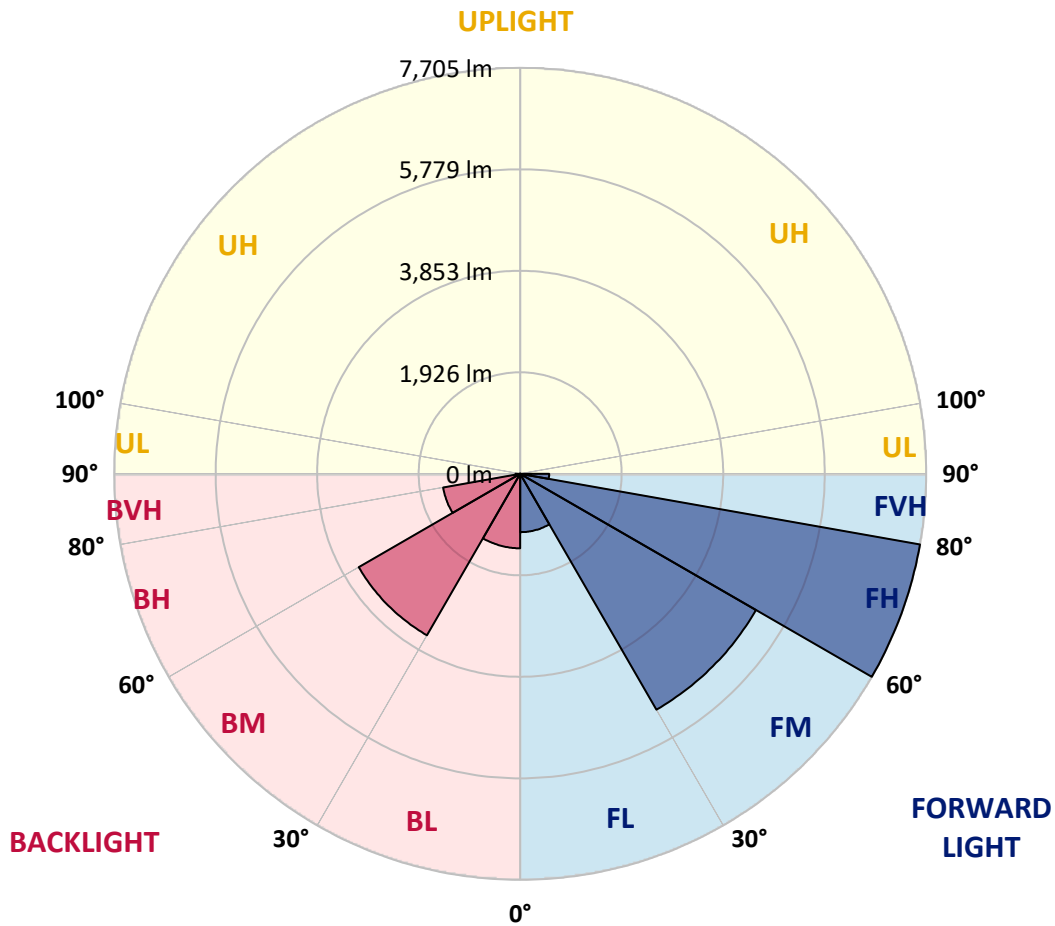
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.5	5.3			
FM (30°-60°)	5168.3	24.5			
FH (60°-80°)	7705.4	36.6			G4/12000
FVH (80°-90°)	549.6	2.6			G4/750
BL (0°-30°)	1413.0	6.7	B3/2500		
BM (30°-60°)	3538.3	16.8	B3/5000		
BH (60°-80°)	1484.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	87.8	0.4			G1/100
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 Medium



REPORT NUMBER: P940712
 CATALOG NUMBER: GALN-SB3D-930-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6
2.5°	2370.7	2384.1	2380.8	2376.3	2376.3	2377.4	2376.3	2384.1	2391.9	2399.7
5°	2395.3	2408.7	2402.0	2396.4	2391.9	2390.8	2387.5	2386.3	2390.8	2400.9
7.5°	2443.3	2456.7	2446.6	2436.6	2427.7	2423.2	2418.7	2412.0	2408.7	2414.3
10°	2496.9	2510.3	2498.0	2480.1	2465.6	2460.0	2455.6	2448.9	2444.4	2447.8
12.5°	2550.5	2563.9	2547.1	2522.6	2503.6	2500.2	2494.7	2492.4	2491.3	2490.2
15°	2600.7	2611.9	2590.7	2561.7	2541.6	2536.0	2530.4	2533.7	2539.3	2546.0
17.5°	2639.8	2651.0	2619.7	2581.8	2562.8	2560.5	2557.2	2568.4	2584.0	2600.7
20°	2675.6	2686.7	2646.5	2595.2	2572.8	2572.8	2573.9	2597.4	2619.7	2644.3
22.5°	2725.8	2734.7	2685.6	2615.3	2582.9	2585.1	2594.0	2617.5	2645.4	2678.9
25°	2800.6	2807.3	2747.0	2653.2	2616.4	2623.1	2630.9	2642.1	2668.9	2707.9
27.5°	2921.2	2926.8	2847.5	2720.2	2664.4	2675.6	2686.7	2678.9	2691.2	2724.7
30°	3091.0	3094.3	2993.8	2825.2	2745.9	2751.5	2753.7	2721.3	2697.9	2724.7
32.5°	3292.0	3290.8	3171.4	2952.5	2838.6	2833.0	2814.0	2750.4	2695.7	2719.1
35°	3603.5	3591.2	3437.1	3131.2	2943.6	2908.9	2864.3	2782.8	2706.8	2713.5
37.5°	4119.4	4081.4	3868.2	3423.7	3099.9	3011.7	2945.8	2835.2	2731.4	2711.3
40°	4701.2	4653.2	4418.7	3824.6	3334.4	3192.6	3086.5	2910.1	2771.6	2721.3
42.5°	5391.3	5323.2	5070.8	4297.0	3631.4	3426.0	3266.3	3005.0	2830.8	2753.7
45°	6238.9	6148.4	5791.1	4829.6	4005.5	3731.9	3518.6	3149.0	2921.2	2816.3
47.5°	7095.4	7117.7	6609.6	5439.3	4454.4	4109.4	3834.7	3365.7	3053.0	2916.8
50°	8005.4	8021.1	7423.7	6114.9	4963.6	4535.9	4189.8	3608.0	3236.1	3059.7
52.5°	8715.7	8717.9	8162.9	6821.8	5494.0	5004.9	4572.8	3884.9	3448.3	3249.5
55°	9160.1	9154.5	8681.0	7490.7	6103.7	5497.4	4997.1	4199.8	3707.4	3472.9
57.5°	9482.8	9466.1	9038.4	8065.7	6753.7	6079.2	5477.3	4557.2	4013.3	3738.6
60°	9605.6	9595.6	9280.7	8562.7	7437.1	6722.4	6031.2	4956.9	4360.6	4052.4
62.5°	9652.5	9671.5	9518.5	9044.0	8168.5	7434.8	6639.8	5434.9	4751.5	4407.5
65°	9817.8	9852.4	9821.2	9673.8	8994.8	8269.0	7447.1	6003.2	5178.0	4788.3
67.5°	10145.0	10179.6	10193.0	10427.5	10004.3	9308.6	8454.4	6711.2	5677.2	5183.6
70°	10137.2	10127.1	10363.9	11027.2	11268.4	10748.0	9812.2	7582.2	6272.4	5511.9
72.5°	9227.1	9146.7	9706.1	11020.5	12320.3	12251.0	11470.5	8705.6	6786.0	5552.1
75°	6922.3	6707.9	7696.1	9931.7	12495.6	13104.2	12524.6	9402.4	6664.3	4905.6
77.5°	2960.3	2744.8	3909.5	7352.2	11183.5	12249.9	11557.6	8203.1	5319.8	3243.9
80°	775.0	773.9	1181.4	3333.3	7605.7	9046.2	7936.2	5297.5	3039.6	1159.1
82.5°	320.5	312.7	434.4	1296.5	3716.3	5076.4	4142.9	2362.9	1097.7	313.8
85°	119.5	118.4	211.1	447.8	1311.0	2093.8	1515.3	604.1	273.6	153.0
87.5°	33.5	32.4	45.8	155.2	319.4	484.6	259.1	99.4	77.1	60.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940712
 CATALOG NUMBER: GALN-SB3D-930-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2407.6	0°	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6
2412.0	2.5°	2415.4	2421.0	2431.0	2438.8	2448.9	2460.0	2475.7	2485.7	2495.8	2502.5
2417.6	5°	2425.4	2437.7	2463.4	2489.1	2519.2	2547.1	2579.5	2603.0	2622.0	2627.5
2437.7	7.5°	2447.8	2467.9	2511.4	2555.0	2603.0	2648.8	2695.7	2735.9	2768.2	2780.5
2473.4	10°	2486.8	2513.6	2575.1	2636.5	2700.1	2770.5	2830.8	2888.8	2934.6	2953.6
2515.9	12.5°	2536.0	2569.5	2649.9	2734.7	2823.0	2920.1	2998.3	3069.7	3126.7	3152.4
2575.1	15°	2599.6	2643.2	2745.9	2859.8	2989.3	3124.5	3223.8	3303.1	3366.8	3398.0
2636.5	17.5°	2668.9	2726.9	2856.5	3028.4	3213.8	3391.3	3507.5	3565.5	3631.4	3661.6
2693.4	20°	2735.9	2807.3	2992.7	3242.8	3489.6	3678.3	3772.1	3787.8	3792.2	3795.6
2747.0	22.5°	2805.1	2901.1	3163.5	3513.1	3777.7	3908.4	3921.8	3854.8	3761.0	3717.4
2799.5	25°	2881.0	3008.3	3386.9	3811.2	4025.6	4041.2	3938.5	3775.5	3597.9	3516.4
2841.9	27.5°	2954.7	3132.3	3654.9	4096.0	4204.3	4066.9	3845.8	3614.7	3400.3	3314.3
2872.1	30°	3028.4	3274.1	3950.8	4345.0	4285.8	4003.3	3699.5	3441.6	3226.1	3135.6
2898.9	32.5°	3103.2	3439.4	4291.4	4524.8	4271.3	3868.2	3517.5	3247.3	3057.5	2962.5
2922.3	35°	3188.1	3642.6	4614.1	4623.0	4174.1	3669.4	3277.4	3015.0	2849.8	2773.8
2950.3	37.5°	3298.7	3900.5	4898.9	4647.6	4004.4	3377.9	2979.3	2740.3	2604.1	2569.5
2991.6	40°	3436.0	4211.0	5116.6	4608.5	3753.1	3024.0	2653.2	2462.3	2385.2	2393.0
3047.4	42.5°	3614.7	4558.3	5269.6	4508.0	3403.6	2658.8	2367.4	2282.5	2319.3	2350.6
3131.2	45°	3846.9	4919.0	5364.5	4337.2	3008.3	2349.5	2198.7	2218.8	2246.8	2250.1
3266.3	47.5°	4144.0	5284.1	5427.0	4079.2	2605.2	2131.7	2091.5	2096.0	2090.4	2067.0
3468.4	50°	4514.7	5639.2	5482.9	3737.5	2262.4	1995.5	1941.9	1926.3	1849.2	1773.3
3737.5	52.5°	4936.8	5965.3	5506.3	3313.2	1995.5	1881.6	1794.5	1696.2	1552.2	1528.7
4075.9	55°	5405.8	6266.8	5446.0	2791.7	1771.0	1735.3	1603.5	1485.2	1469.5	1449.4
4521.4	57.5°	5966.4	6591.7	5323.2	2209.9	1541.0	1564.5	1436.0	1449.4	1421.5	1390.3
5094.3	60°	6579.5	6927.9	5107.7	1679.5	1303.2	1351.2	1392.5	1391.4	1383.6	1357.9
5698.4	62.5°	7131.1	7149.0	4683.3	1286.4	1094.3	1185.9	1298.7	1297.6	1290.9	1276.4
6329.3	65°	7459.4	7115.5	3975.4	1012.8	922.4	1049.7	1171.4	1180.3	1181.4	1180.3
6803.9	67.5°	7401.3	6723.5	3003.9	806.2	780.6	911.2	1045.2	1057.5	1066.4	1068.7
6864.2	70°	6744.7	5862.5	1958.6	643.2	654.4	789.5	925.7	938.0	945.8	954.8
5956.3	72.5°	5257.3	4310.4	1121.1	520.4	543.8	684.5	807.4	821.9	826.3	843.1
4145.1	75°	3203.7	2534.9	605.2	409.8	446.7	585.1	690.1	706.9	714.7	734.8
2035.7	77.5°	1523.1	1097.7	345.1	319.4	359.6	477.9	582.9	601.9	580.7	591.8
561.7	80°	514.8	407.6	217.8	243.4	274.7	373.0	466.8	485.8	441.1	438.9
186.5	82.5°	179.8	165.3	138.5	161.9	177.6	266.9	352.9	377.4	328.3	327.2
83.8	85°	70.4	67.0	77.1	88.2	106.1	164.2	232.3	244.6	202.1	163.0
24.6	87.5°	14.5	15.6	19.0	20.1	32.4	57.0	83.8	102.7	81.5	69.2
0.0	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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<u>180°</u>
2407.6
2498.0
2629.8
2781.6
2954.7
3152.4
3395.8
3660.5
3804.5
3729.7
3528.7
3324.3
3145.7
2974.8
2790.6
2594.0
2419.8
2379.6
2272.4
2084.8
1783.3
1536.5
1452.8
1384.7
1348.9
1270.8
1180.3
1070.9
959.2
849.8
737.0
582.9
434.4
311.6
160.8
63.7
0.0

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