

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: STREETWORKS

Report Number: P849168

Luminaire Tested: **GLAN-SB6A-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21703 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

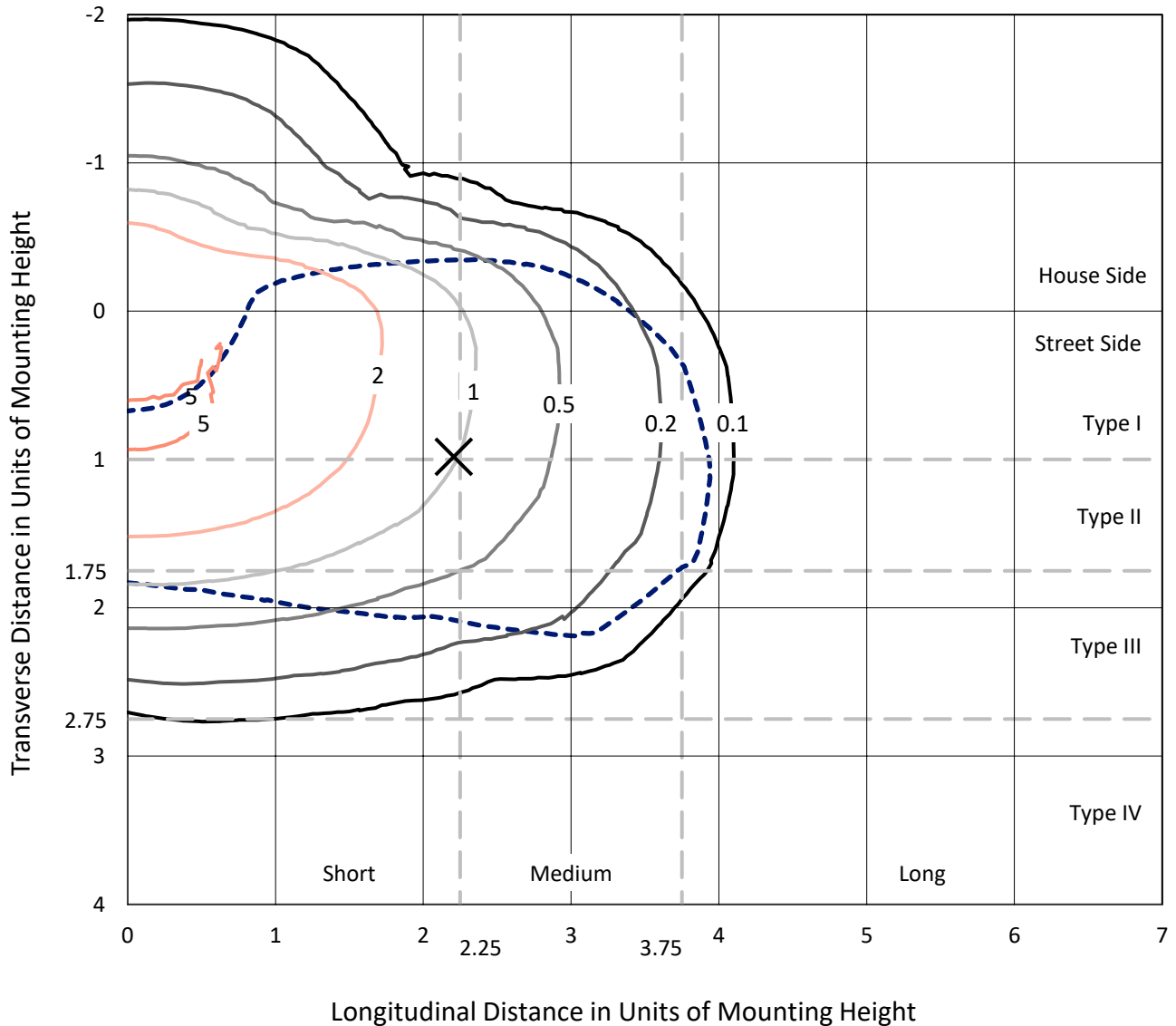
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

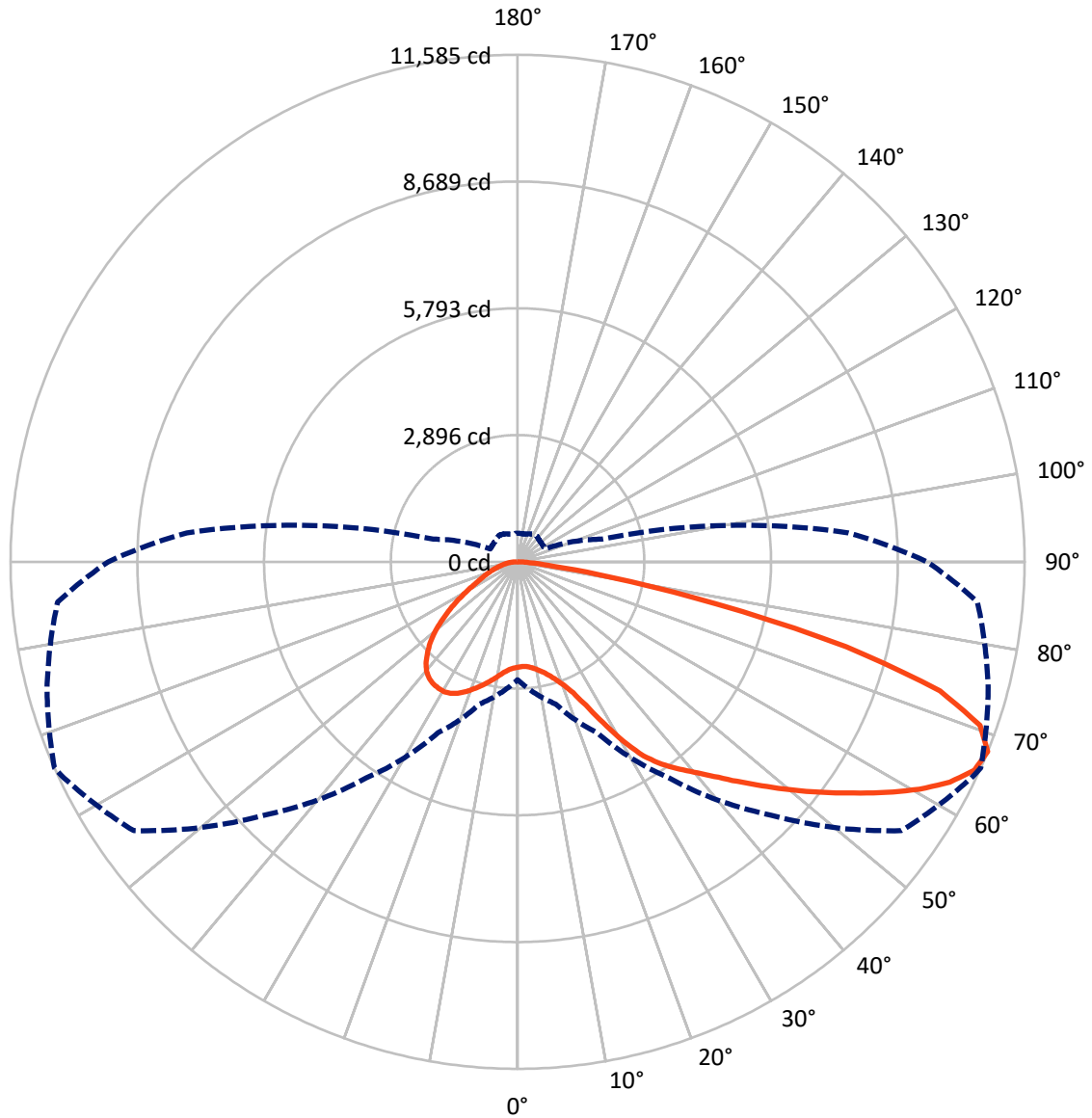
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB6A-827-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5396.4	0.0	5396.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16306.6	0.0	16306.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	21703.0	0.0	21703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	1.1
10°-20°	788.5	3.6
20°-30°	1519.8	7.0
30°-40°	2664.8	12.3
40°-50°	3961.6	18.3
50°-60°	5021.7	23.1
60°-70°	4913.6	22.6
70°-80°	2343.9	10.8
80°-90°	250.5	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°	21703.0	100.0
0°-180°	21703.0	100.0

Coefficient of Utilization



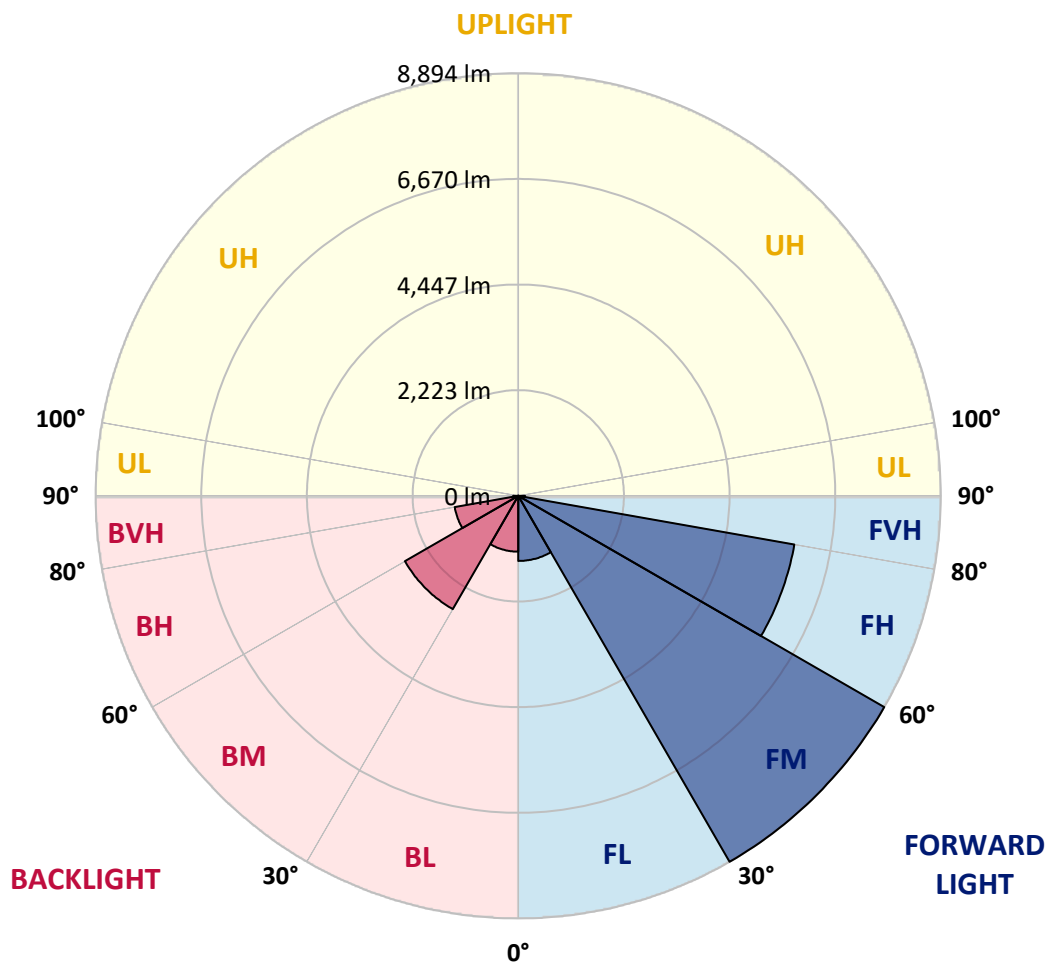
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.4	6.3			
FM (30°-60°)	8893.7	41.0			
FH (60°-80°)	5899.5	27.2			G3/7500
FVH (80°-90°)	142.0	0.7			G2/225
BL (0°-30°)	1175.5	5.4	B3/2500		
BM (30°-60°)	2754.4	12.7	B3/5000		
BH (60°-80°)	1358.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	108.5	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



REPORT NUMBER: P849168
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1
2.5°	2382.1	2395.7	2392.3	2386.6	2385.5	2387.8	2391.2	2394.6	2393.5	2399.2
5°	2375.2	2388.9	2387.8	2387.8	2392.3	2401.4	2407.1	2412.9	2407.1	2414.0
7.5°	2379.8	2390.0	2394.6	2399.2	2410.6	2427.7	2441.4	2453.9	2447.1	2455.0
10°	2437.9	2445.9	2450.5	2450.5	2458.5	2477.8	2491.5	2514.3	2508.6	2521.2
12.5°	2544.0	2552.0	2552.0	2547.4	2553.1	2565.6	2570.2	2595.3	2585.0	2605.6
15°	2674.0	2689.9	2677.4	2669.4	2671.7	2684.2	2683.1	2702.5	2692.2	2709.3
17.5°	2817.7	2838.2	2817.7	2816.5	2812.0	2825.6	2826.8	2843.9	2825.6	2838.2
20°	2987.6	3016.1	2999.0	3004.7	2994.4	3000.1	3005.8	3030.9	3002.4	3011.5
22.5°	3227.0	3261.2	3243.0	3264.6	3257.8	3253.2	3252.1	3296.6	3252.1	3255.5
25°	3575.9	3617.0	3585.1	3614.7	3614.7	3629.5	3646.6	3703.7	3629.5	3607.9
27.5°	4091.4	4132.4	4069.7	4087.9	4082.2	4118.7	4100.5	4241.9	4162.1	4126.7
30°	4711.7	4784.7	4666.1	4661.5	4655.8	4714.0	4740.2	4833.7	4752.7	4717.4
32.5°	5382.2	5458.6	5317.2	5276.1	5254.5	5289.8	5268.1	5343.4	5287.5	5232.8
35°	6091.4	6166.7	6032.1	5952.3	5865.6	5791.5	5714.0	5733.4	5680.9	5597.7
37.5°	6761.9	6899.9	6757.4	6671.8	6512.2	6367.4	6150.7	6060.6	6011.6	5935.2
40°	7444.9	7523.6	7415.3	7342.3	7169.0	6942.1	6595.4	6405.0	6338.9	6264.7
42.5°	7947.8	8023.1	7964.9	7914.7	7779.0	7515.6	7067.5	6829.2	6733.4	6650.2
45°	8346.9	8402.8	8366.3	8384.5	8326.4	8071.0	7556.7	7284.2	7185.0	7083.5
47.5°	8507.7	8567.0	8625.1	8733.5	8832.7	8644.5	8082.4	7776.8	7671.9	7568.1
50°	8489.4	8549.9	8718.6	8949.0	9256.9	9194.1	8636.5	8301.3	8204.4	8085.8
52.5°	8343.5	8411.9	8628.6	9011.7	9502.0	9605.8	9201.0	8842.9	8751.7	8610.3
55°	7960.4	8001.4	8326.4	8869.2	9560.2	9893.1	9754.0	9419.9	9328.7	9131.4
57.5°	7250.0	7309.3	7782.5	8484.9	9414.2	10088.1	10239.8	10026.6	9938.8	9654.8
60°	6322.9	6417.5	6959.2	7839.5	9042.5	10087.0	10681.1	10622.9	10550.0	10170.2
62.5°	5273.8	5383.3	5904.4	6927.3	8392.5	9800.8	10957.0	11122.4	11084.7	10645.7
65°	4050.3	4125.6	4644.4	5747.1	7381.1	9186.2	10989.0	11463.3	11470.2	11007.2
67.5°	2696.8	2913.4	3363.9	4312.6	6026.4	8181.6	10708.5	11519.2	11585.3	11131.5
70°	1315.9	1601.0	2042.3	2802.8	4312.6	6641.0	9975.2	11060.8	11207.9	10768.9
72.5°	546.2	638.6	879.2	1383.2	2475.6	4481.3	8502.0	9817.9	10090.4	9541.9
75°	368.3	399.1	502.9	709.3	1127.7	2209.9	6131.3	7320.7	7759.7	7206.6
77.5°	283.9	303.3	366.0	496.0	670.5	835.8	3281.8	4411.8	4638.7	4294.3
80°	223.5	238.3	273.7	361.5	475.5	447.0	1118.6	1998.9	2130.1	1786.8
82.5°	193.8	199.6	196.1	245.2	315.9	261.1	367.2	737.8	814.2	590.7
85°	140.3	156.2	163.1	151.7	167.6	132.3	150.5	261.1	287.4	256.6
87.5°	57.0	84.4	103.8	98.1	61.6	37.6	46.8	76.4	87.8	95.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849168
 CATALOG NUMBER: GLAN-SB6A-827-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2407.1	0°	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1	2407.1
2408.3	2.5°	2409.4	2417.4	2423.1	2430.0	2434.5	2441.4	2455.0	2463.0	2464.2	2469.9
2426.5	5°	2431.1	2442.5	2455.0	2473.3	2493.8	2510.9	2537.1	2555.4	2562.2	2567.9
2471.0	7.5°	2477.8	2493.8	2516.6	2548.5	2578.2	2601.0	2632.9	2654.6	2676.3	2684.2
2541.7	10°	2547.4	2570.2	2603.3	2646.6	2678.5	2708.2	2741.3	2759.5	2781.2	2790.3
2626.1	12.5°	2634.1	2658.0	2701.3	2761.8	2791.4	2812.0	2823.4	2818.8	2823.4	2831.3
2727.6	15°	2733.3	2759.5	2808.5	2873.5	2894.1	2875.8	2850.7	2827.9	2824.5	2826.8
2850.7	17.5°	2850.7	2870.1	2927.1	2981.9	2967.0	2891.8	2837.0	2800.5	2782.3	2776.6
3008.1	20°	3014.9	3014.9	3061.7	3095.9	2996.7	2869.0	2783.4	2724.1	2686.5	2670.6
3222.5	22.5°	3214.5	3196.2	3225.9	3201.9	2991.0	2805.1	2686.5	2583.9	2526.9	2504.1
3522.4	25°	3467.6	3446.0	3438.0	3289.7	2949.9	2703.6	2510.9	2386.6	2336.5	2323.9
3954.5	27.5°	3849.6	3794.9	3691.1	3337.6	2874.7	2544.0	2305.7	2190.5	2162.0	2163.1
4509.8	30°	4358.2	4248.7	3994.4	3345.6	2751.5	2318.2	2095.9	2013.7	2000.1	2005.8
4976.2	32.5°	4829.1	4725.4	4304.6	3309.1	2562.2	2097.0	1907.7	1853.0	1832.4	1839.3
5332.0	35°	5198.6	5170.1	4591.9	3257.8	2329.6	1889.5	1738.9	1692.2	1652.3	1643.2
5667.2	37.5°	5547.5	5536.1	4807.5	3186.0	2099.3	1742.4	1603.2	1541.7	1483.5	1451.6
6037.8	40°	5930.6	5919.2	4948.9	3075.4	1895.2	1614.6	1481.2	1400.3	1328.4	1270.3
6457.5	42.5°	6361.7	6294.4	5016.1	2916.9	1721.8	1506.3	1382.0	1272.6	1177.9	1124.3
6931.8	45°	6832.6	6681.0	5015.0	2715.0	1575.9	1407.1	1276.0	1120.9	1033.1	982.9
7418.7	47.5°	7332.1	7050.4	4953.4	2491.5	1434.5	1297.6	1111.8	993.2	935.0	904.2
7947.8	50°	7847.5	7395.9	4848.5	2235.0	1289.7	1173.4	1009.2	928.2	883.7	855.2
8472.3	52.5°	8332.1	7709.5	4721.9	1944.2	1142.6	1052.5	963.5	900.8	854.1	822.1
8980.9	55°	8782.5	7979.7	4542.9	1646.6	1022.8	971.5	941.9	889.4	835.8	798.2
9497.5	57.5°	9182.7	8155.3	4233.9	1367.2	937.3	915.7	919.1	870.0	808.5	776.5
10006.0	60°	9515.7	8284.2	3776.6	1108.4	867.8	860.9	883.7	833.6	761.7	725.2
10435.9	62.5°	9715.3	8281.9	3215.6	907.7	808.5	810.7	837.0	787.9	715.0	680.8
10660.6	65°	9698.2	8078.9	2599.9	776.5	751.5	753.7	787.9	737.8	676.2	655.7
10547.7	67.5°	9354.9	7584.1	1994.4	691.0	688.7	699.0	738.9	703.6	652.2	650.0
9874.9	70°	8425.6	6556.7	1436.8	622.6	623.7	638.6	691.0	681.9	639.7	644.3
8302.4	72.5°	6756.2	4999.0	964.7	550.8	551.9	575.8	645.4	664.8	627.2	687.6
5890.7	75°	4499.6	3117.5	620.3	474.4	475.5	506.3	605.5	631.7	593.0	685.3
3065.1	77.5°	2162.0	1401.4	449.3	399.1	399.1	427.6	523.4	565.6	505.1	532.5
985.2	80°	746.9	526.8	353.5	321.6	314.7	334.1	441.3	490.3	435.6	401.4
321.6	82.5°	294.2	273.7	283.9	249.7	226.9	239.5	343.2	404.8	320.4	289.6
181.3	85°	168.8	177.9	200.7	165.3	131.1	147.1	252.0	290.8	241.7	213.2
59.3	87.5°	45.6	62.7	92.4	85.5	59.3	62.7	119.7	160.8	139.1	107.2
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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180°
2407.1
2468.7
2566.8
2685.4
2794.8
2833.6
2834.8
2784.6
2667.1
2500.7
2326.2
2166.5
2025.2
1848.4
1650.0
1452.7
1276.0
1127.7
980.6
897.4
845.0
808.5
783.4
756.0
709.3
670.5
654.5
653.4
643.1
696.7
691.0
488.0
376.3
288.5
217.8
110.6
0.0

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