

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: P849188

Luminaire Tested: **GLAN-SB6A-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849188  
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-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22538 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

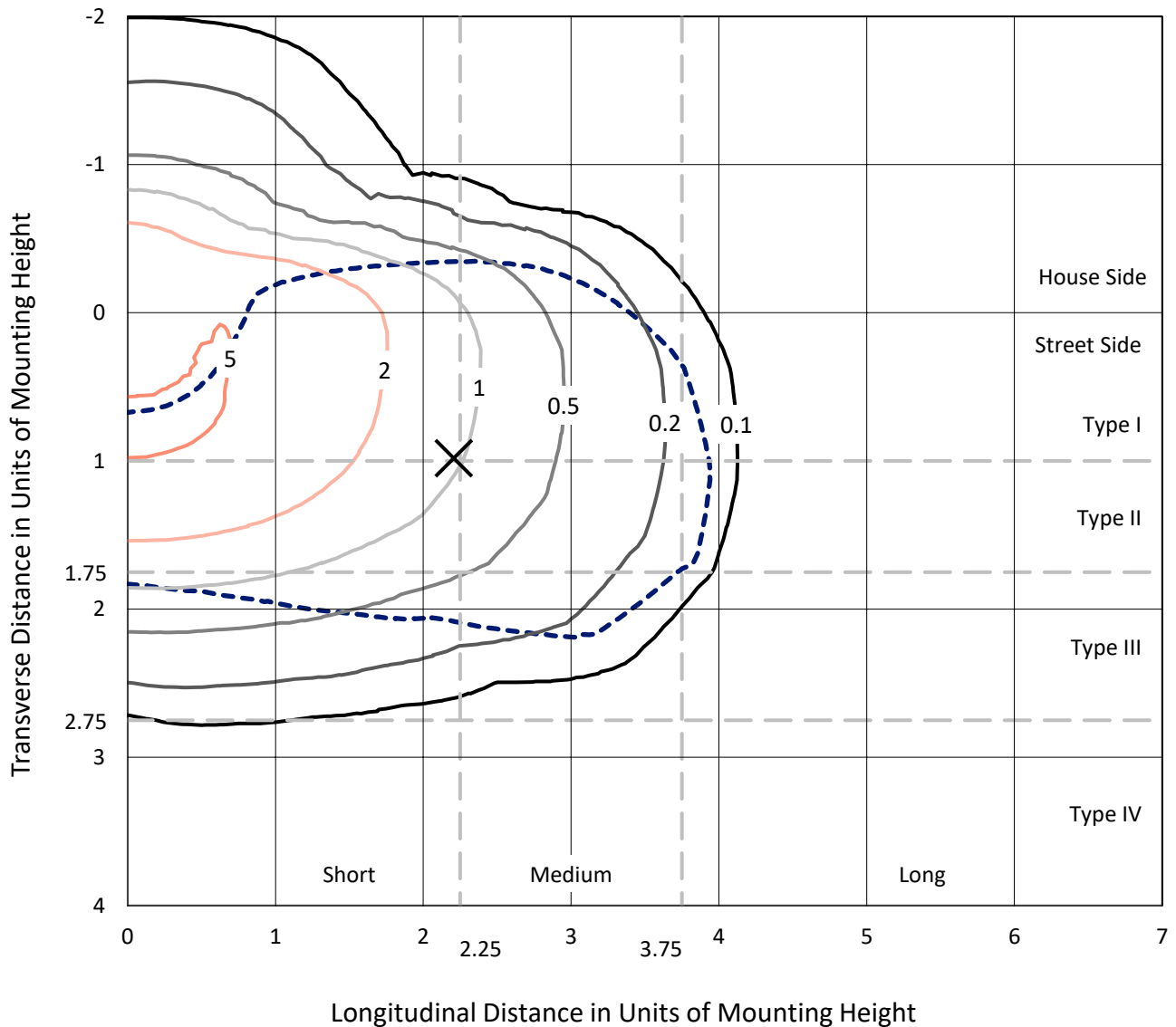
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

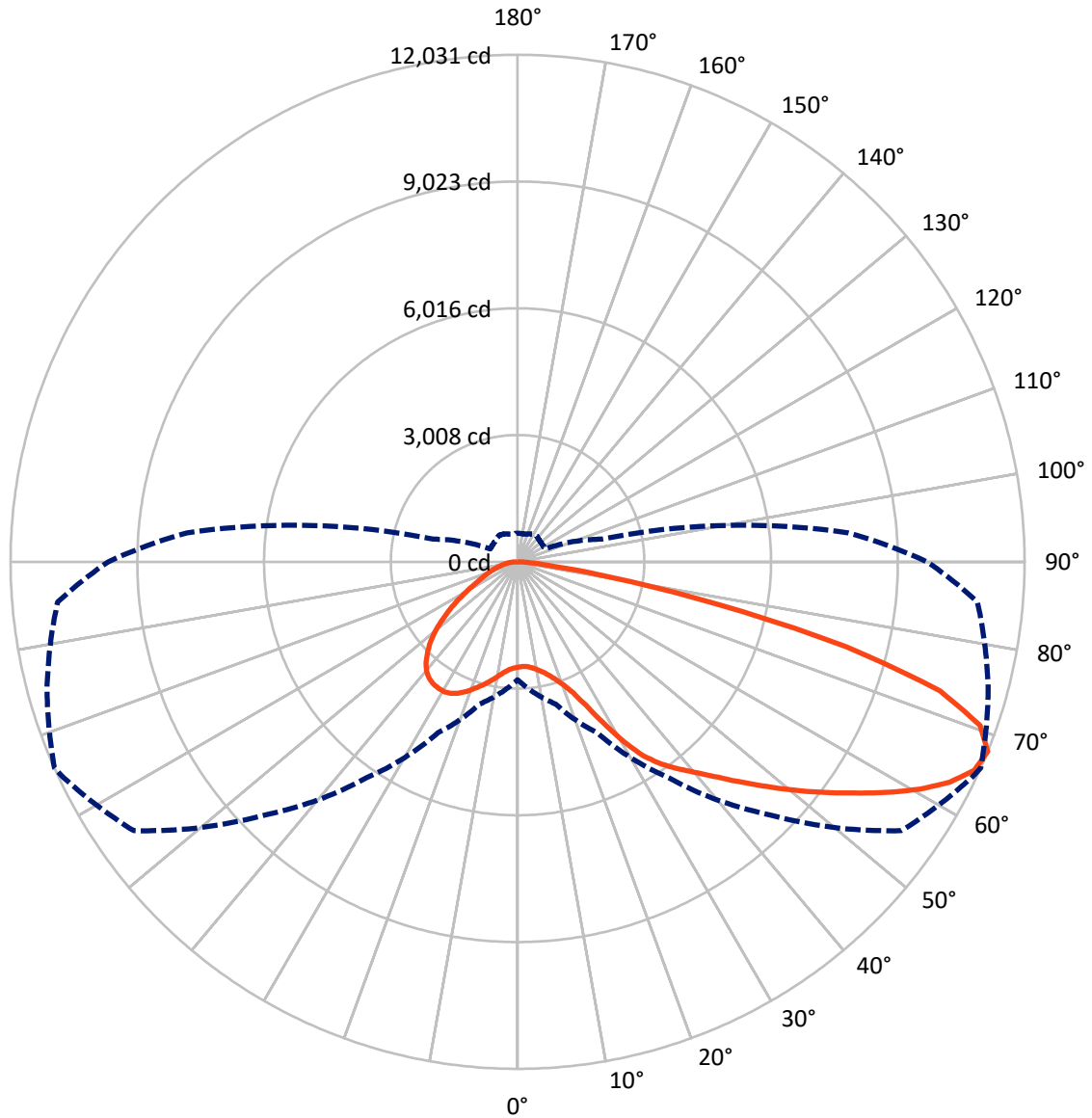
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Short - N/A

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### 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
<b>House Side</b>	Lumens	5604.0	0.0	5604.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	16934.0	0.0	16934.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	22538.0	0.0	22538.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.8	1.1
10°-20°	818.8	3.6
20°-30°	1578.3	7.0
30°-40°	2767.3	12.3
40°-50°	4114.0	18.3
50°-60°	5214.9	23.1
60°-70°	5102.7	22.6
70°-80°	2434.0	10.8
80°-90°	260.1	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°	22538.0	100.0
0°-180°	22538.0	100.0

**Coefficient of Utilization**



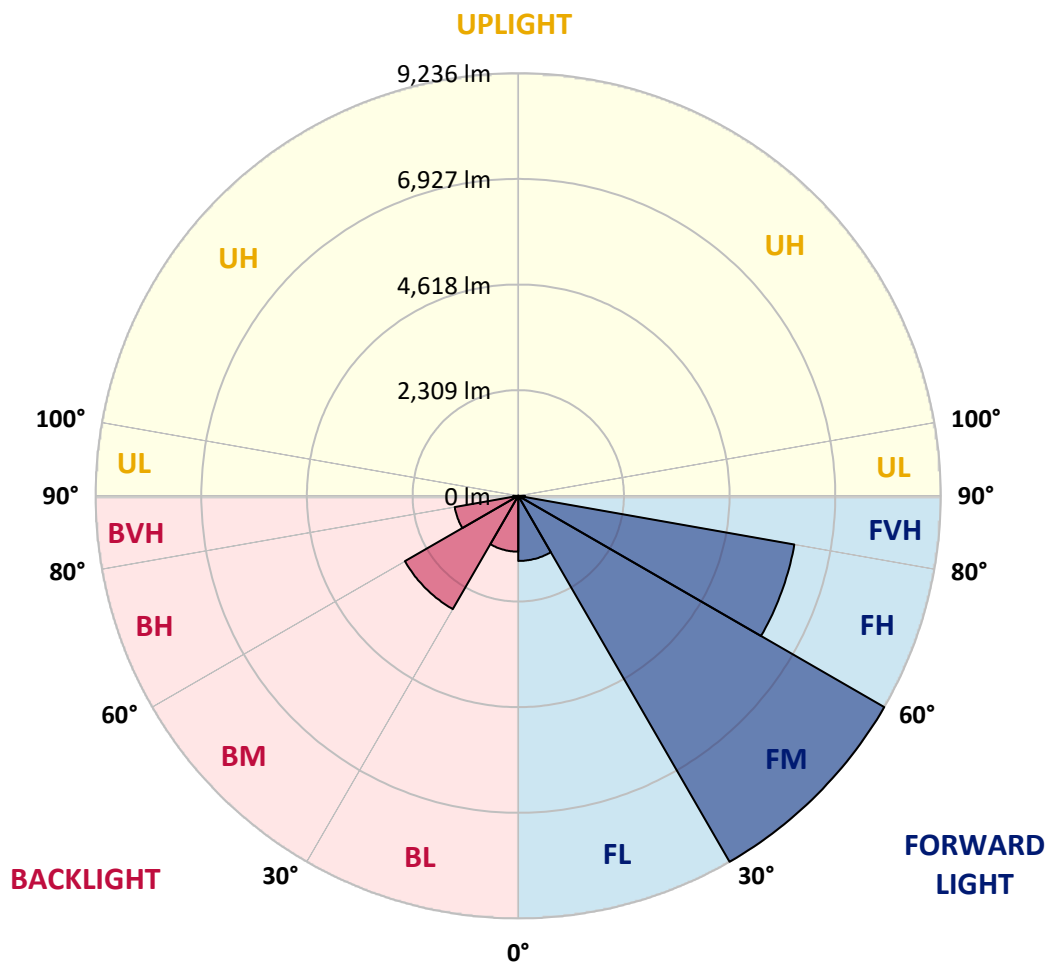
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1424.2	6.3			
FM (30°-60°)	9235.9	41.0			
FH (60°-80°)	6126.4	27.2			G3/7500
FVH (80°-90°)	147.5	0.7			G2/225
BL (0°-30°)	1220.8	5.4	B3/2500		
BM (30°-60°)	2860.3	12.7	B3/5000		
BH (60°-80°)	1410.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	112.6	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°	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8
2.5°	2473.7	2487.9	2484.4	2478.4	2477.3	2479.6	2483.2	2486.7	2485.6	2491.5
5°	2466.6	2480.8	2479.6	2479.6	2484.4	2493.8	2499.8	2505.7	2499.8	2506.9
7.5°	2471.3	2482.0	2486.7	2491.5	2503.3	2521.1	2535.3	2548.3	2541.2	2549.5
10°	2531.7	2540.0	2544.8	2544.8	2553.0	2573.2	2587.4	2611.1	2605.2	2618.2
12.5°	2641.9	2650.2	2650.2	2645.4	2651.3	2664.4	2669.1	2695.1	2684.5	2705.8
15°	2776.9	2793.4	2780.4	2772.1	2774.5	2787.5	2786.3	2806.5	2795.8	2813.6
17.5°	2926.1	2947.4	2926.1	2924.9	2920.1	2934.3	2935.5	2953.3	2934.3	2947.4
20°	3102.5	3132.1	3114.3	3120.3	3109.6	3115.5	3121.4	3147.5	3117.9	3127.4
22.5°	3351.2	3386.7	3367.8	3390.3	3383.1	3378.4	3377.2	3423.4	3377.2	3380.8
25°	3713.5	3756.2	3723.0	3753.8	3753.8	3769.2	3786.9	3846.2	3769.2	3746.7
27.5°	4248.8	4291.4	4226.3	4245.2	4239.3	4277.2	4258.2	4405.1	4322.2	4285.5
30°	4892.9	4968.7	4845.6	4840.8	4834.9	4895.3	4922.6	5019.7	4935.6	4898.9
32.5°	5589.2	5668.6	5521.7	5479.1	5456.6	5493.3	5470.8	5549.0	5491.0	5434.1
35°	6325.8	6403.9	6264.2	6181.3	6091.3	6014.3	5933.8	5954.0	5899.5	5813.0
37.5°	7022.1	7165.4	7017.3	6928.5	6762.7	6612.4	6387.4	6293.8	6242.9	6163.6
40°	7731.4	7813.1	7700.6	7624.8	7444.8	7209.2	6849.2	6651.4	6582.7	6505.8
42.5°	8253.6	8331.8	8271.4	8219.3	8078.3	7804.8	7339.4	7091.9	6992.5	6906.0
45°	8668.1	8726.1	8688.2	8707.1	8646.7	8381.5	7847.4	7564.4	7461.4	7356.0
47.5°	8835.0	8896.6	8957.0	9069.5	9172.5	8977.1	8393.3	8076.0	7967.0	7859.3
50°	8816.1	8878.8	9054.1	9293.3	9613.0	9547.9	8968.8	8620.7	8520.0	8396.9
52.5°	8664.5	8735.5	8960.5	9358.4	9867.6	9975.4	9555.0	9183.2	9088.4	8941.6
55°	8266.6	8309.3	8646.7	9210.4	9928.0	10273.8	10129.3	9782.3	9687.6	9482.8
57.5°	7528.9	7590.5	8081.9	8811.3	9776.4	10476.3	10633.8	10412.3	10321.1	10026.3
60°	6566.2	6664.5	7226.9	8141.1	9390.4	10475.1	11092.0	11031.6	10955.8	10561.5
62.5°	5476.7	5590.4	6131.6	7193.8	8715.4	10177.9	11378.6	11550.3	11511.2	11055.3
65°	4206.1	4284.3	4823.1	5968.2	7665.1	9539.6	11411.8	11904.4	11911.5	11430.7
67.5°	2800.5	3025.5	3493.3	4478.5	6258.3	8496.3	11120.4	11962.4	12031.1	11559.8
70°	1366.5	1662.6	2120.8	2910.7	4478.5	6896.5	10359.0	11486.4	11639.1	11183.2
72.5°	567.2	663.1	913.0	1436.4	2570.8	4653.7	8829.1	10195.6	10478.6	9909.1
75°	382.5	414.5	522.2	736.5	1171.1	2294.9	6367.2	7602.3	8058.2	7483.9
77.5°	294.9	315.0	380.1	515.1	696.3	868.0	3408.0	4581.5	4817.2	4459.5
80°	232.1	247.5	284.2	375.4	493.8	464.2	1161.7	2075.8	2212.0	1855.6
82.5°	201.3	207.2	203.7	254.6	328.0	271.2	381.3	766.2	845.5	613.4
85°	145.7	162.2	169.3	157.5	174.1	137.4	156.3	271.2	298.4	266.4
87.5°	59.2	87.6	107.8	101.8	63.9	39.1	48.6	79.3	91.2	99.5
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°
2499.8	0°	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8	2499.8
2500.9	2.5°	2502.1	2510.4	2516.3	2523.4	2528.2	2535.3	2549.5	2557.8	2559.0	2564.9
2519.9	5°	2524.6	2536.5	2549.5	2568.4	2589.8	2607.5	2634.8	2653.7	2660.8	2666.7
2566.1	7.5°	2573.2	2589.8	2613.4	2646.6	2677.4	2701.1	2734.2	2756.7	2779.2	2787.5
2639.5	10°	2645.4	2669.1	2703.4	2748.4	2781.6	2812.4	2846.7	2865.7	2888.2	2897.6
2727.1	12.5°	2735.4	2760.3	2805.3	2868.0	2898.8	2920.1	2932.0	2927.2	2932.0	2940.3
2832.5	15°	2838.4	2865.7	2916.6	2984.1	3005.4	2986.5	2960.4	2936.7	2933.2	2935.5
2960.4	17.5°	2960.4	2980.5	3039.7	3096.6	3081.2	3003.0	2946.2	2908.3	2889.4	2883.4
3123.8	20°	3130.9	3130.9	3179.5	3215.0	3112.0	2979.3	2890.5	2829.0	2789.9	2773.3
3346.4	22.5°	3338.1	3319.2	3350.0	3325.1	3106.1	2913.0	2789.9	2683.3	2624.1	2600.4
3657.9	25°	3601.0	3578.5	3570.2	3416.3	3063.4	2807.6	2607.5	2478.4	2426.3	2413.3
4106.7	27.5°	3997.7	3940.9	3833.1	3466.0	2985.3	2641.9	2394.4	2274.8	2245.2	2246.4
4683.4	30°	4525.9	4412.2	4148.1	3474.3	2857.4	2407.4	2176.5	2091.2	2077.0	2082.9
5167.7	32.5°	5014.9	4907.2	4470.2	3436.4	2660.8	2177.7	1981.1	1924.3	1902.9	1910.1
5537.1	35°	5398.6	5369.0	4768.6	3383.1	2419.2	1962.2	1805.8	1757.3	1715.8	1706.4
5885.3	37.5°	5760.9	5749.1	4992.4	3308.5	2180.0	1809.4	1664.9	1601.0	1540.6	1507.4
6270.1	40°	6158.8	6147.0	5139.3	3193.7	1968.1	1676.8	1538.2	1454.1	1379.5	1319.2
6705.9	42.5°	6606.4	6536.6	5209.1	3029.1	1788.1	1564.3	1435.2	1321.5	1223.2	1167.6
7198.5	45°	7095.5	6938.0	5207.9	2819.5	1636.5	1461.3	1325.1	1164.0	1072.8	1020.7
7704.1	47.5°	7614.1	7321.7	5144.0	2587.4	1489.7	1347.6	1154.6	1031.4	971.0	939.0
8253.6	50°	8149.4	7680.5	5035.0	2321.0	1339.3	1218.5	1048.0	963.9	917.7	888.1
8798.3	52.5°	8652.7	8006.1	4903.6	2019.0	1186.5	1093.0	1000.6	935.5	886.9	853.8
9326.4	55°	9120.4	8286.8	4717.7	1709.9	1062.2	1008.9	978.1	923.6	868.0	828.9
9862.9	57.5°	9536.0	8469.1	4396.8	1419.8	973.4	950.9	954.4	903.5	839.6	806.4
10391.0	60°	9881.8	8602.9	3921.9	1151.0	901.1	894.0	917.7	865.6	791.0	753.1
10837.4	62.5°	10089.0	8600.6	3339.3	942.6	839.6	841.9	869.2	818.3	742.5	706.9
11070.7	65°	10071.3	8389.8	2699.9	806.4	780.4	782.7	818.3	766.2	702.2	680.9
10953.5	67.5°	9714.8	7875.8	2071.1	717.6	715.2	725.9	767.3	730.6	677.3	675.0
10254.8	70°	8749.8	6808.9	1492.0	646.6	647.7	663.1	717.6	708.1	664.3	669.1
8621.9	72.5°	7016.1	5191.4	1001.8	571.9	573.1	598.0	670.2	690.4	651.3	714.0
6117.4	75°	4672.7	3237.5	644.2	492.6	493.8	525.8	628.8	656.0	615.8	711.7
3183.0	77.5°	2245.2	1455.3	466.6	414.5	414.5	444.1	543.5	587.3	524.6	553.0
1023.1	80°	775.6	547.1	367.1	333.9	326.8	347.0	458.3	509.2	452.3	416.8
333.9	82.5°	305.5	284.2	294.9	259.3	235.6	248.7	356.4	420.4	332.7	300.8
188.3	85°	175.3	184.7	208.4	171.7	136.2	152.8	261.7	302.0	251.0	221.4
61.6	87.5°	47.4	65.1	95.9	88.8	61.6	65.1	124.3	167.0	144.5	111.3
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°
2499.8
2563.7
2665.5
2788.7
2902.4
2942.6
2943.8
2891.7
2769.8
2596.9
2415.7
2249.9
2103.1
1919.5
1713.5
1508.6
1325.1
1171.1
1018.4
931.9
877.5
839.6
813.5
785.1
736.5
696.3
679.7
678.5
667.9
723.5
717.6
506.8
390.8
299.6
226.2
114.9
0.0

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