

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: P849183

Luminaire Tested: **GLAN-SB6A-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22326 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

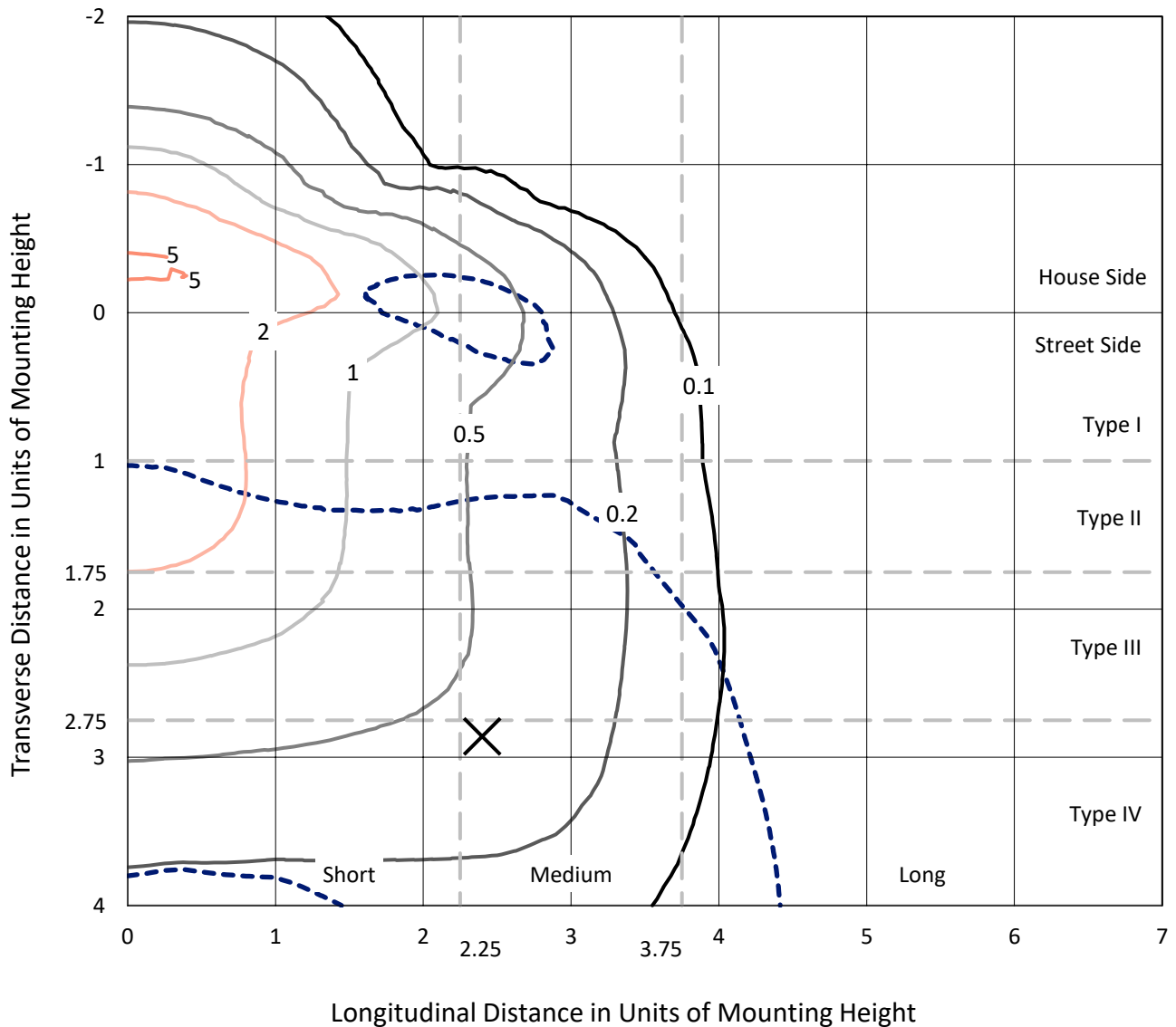
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

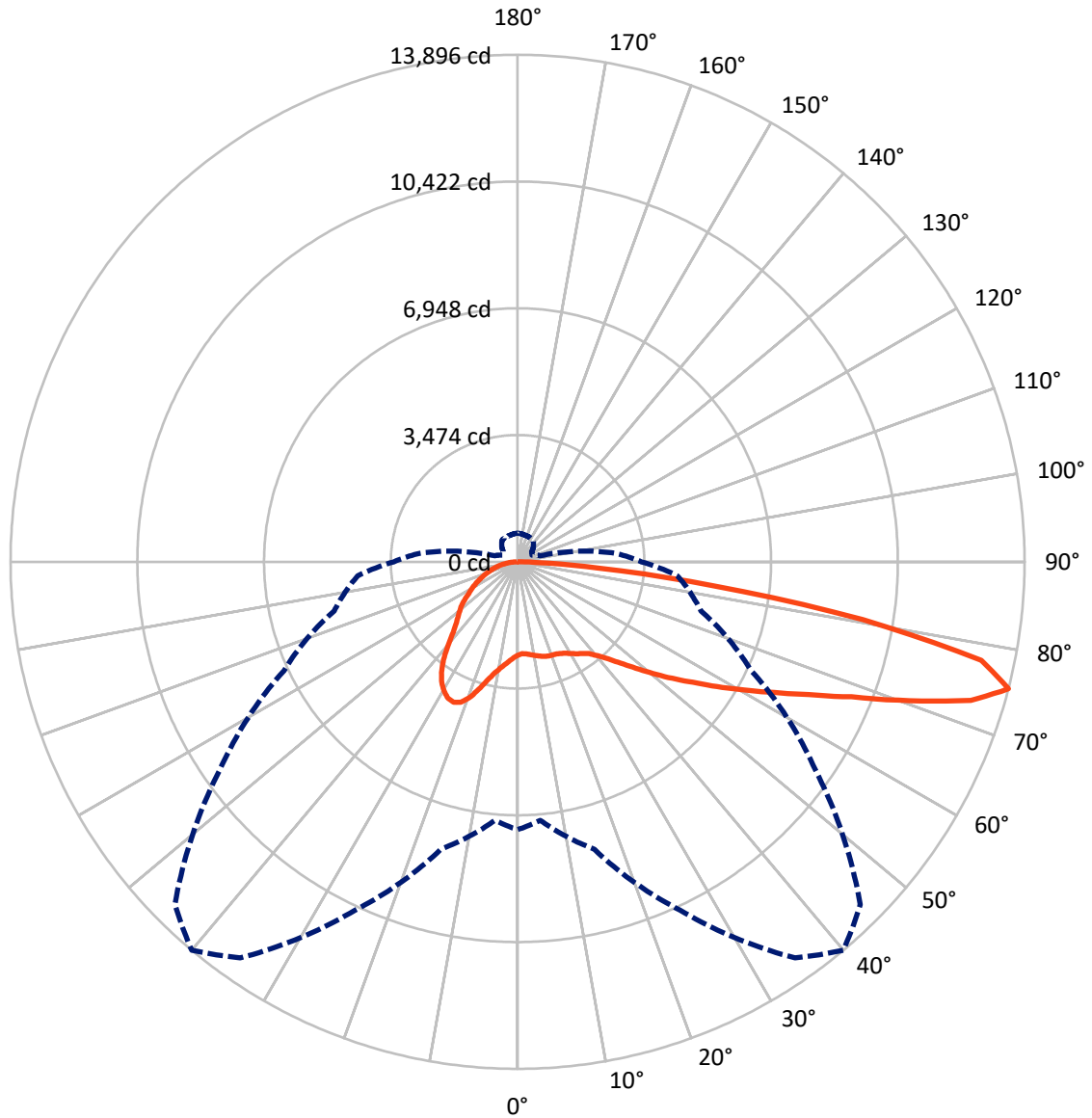
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Medium - N/A

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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	6917.3	0.0	6917.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15408.7	0.0	15408.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	22326.0	0.0	22326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	1.1
10°-20°	855.6	3.8
20°-30°	1562.3	7.0
30°-40°	2215.7	9.9
40°-50°	2991.9	13.4
50°-60°	4024.9	18.0
60°-70°	5108.6	22.9
70°-80°	4636.3	20.8
80°-90°	675.8	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°	22326.0	100.0
0°-180°	22326.0	100.0

Coefficient of Utilization

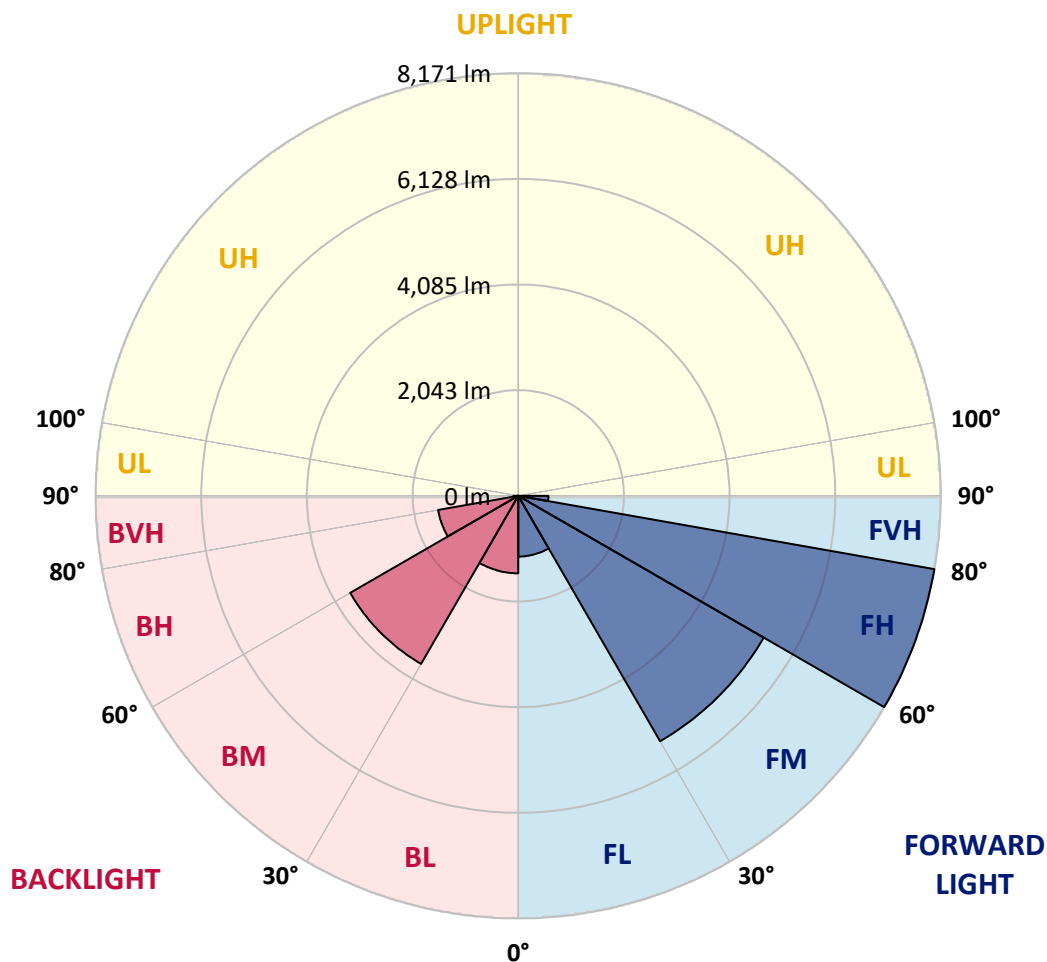


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1174.4	5.3			
FM (30°-60°)	5480.5	24.5			
FH (60°-80°)	8171.0	36.6			G4/12000
FVH (80°-90°)	582.8	2.6			G4/750
BL (0°-30°)	1498.4	6.7	B3/2500		
BM (30°-60°)	3752.0	16.8	B3/5000		
BH (60°-80°)	1573.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	93.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0
2.5°	2513.9	2528.1	2524.6	2519.9	2519.9	2521.0	2519.9	2528.1	2536.4	2544.7
5°	2540.0	2554.2	2547.1	2541.2	2536.4	2535.2	2531.7	2530.5	2535.2	2545.9
7.5°	2590.9	2605.1	2594.5	2583.8	2574.3	2569.6	2564.8	2557.7	2554.2	2560.1
10°	2647.7	2661.9	2648.9	2630.0	2614.6	2608.7	2603.9	2596.8	2592.1	2595.6
12.5°	2704.6	2718.8	2701.0	2675.0	2654.8	2651.3	2645.4	2643.0	2641.8	2640.6
15°	2757.9	2769.7	2747.2	2716.4	2695.1	2689.2	2683.3	2686.8	2692.7	2699.8
17.5°	2799.3	2811.2	2778.0	2737.7	2717.6	2715.2	2711.7	2723.5	2740.1	2757.9
20°	2837.2	2849.0	2806.4	2751.9	2728.3	2728.3	2729.4	2754.3	2778.0	2804.0
22.5°	2890.5	2900.0	2847.9	2773.3	2738.9	2741.3	2750.8	2775.6	2805.2	2840.8
25°	2969.8	2976.9	2913.0	2813.5	2774.4	2781.5	2789.8	2801.7	2830.1	2871.5
27.5°	3097.7	3103.6	3019.6	2884.6	2825.4	2837.2	2849.0	2840.8	2853.8	2889.3
30°	3277.7	3281.3	3174.7	2995.9	2911.8	2917.7	2920.1	2885.8	2860.9	2889.3
32.5°	3490.8	3489.7	3363.0	3130.9	3010.1	3004.2	2984.0	2916.5	2858.5	2883.4
35°	3821.2	3808.2	3644.8	3320.3	3121.4	3084.7	3037.3	2950.9	2870.4	2877.5
37.5°	4368.3	4328.0	4101.9	3630.6	3287.2	3193.6	3123.8	3006.5	2896.4	2875.1
40°	4985.2	4934.3	4685.6	4055.7	3535.8	3385.5	3273.0	3085.9	2939.0	2885.8
42.5°	5717.0	5644.8	5377.2	4556.6	3850.8	3632.9	3463.6	3186.5	3001.8	2920.1
45°	6615.8	6519.9	6141.0	5121.4	4247.5	3957.4	3731.2	3339.3	3097.7	2986.4
47.5°	7524.0	7547.7	7008.9	5768.0	4723.5	4357.6	4066.3	3569.0	3237.4	3093.0
50°	8489.1	8505.7	7872.2	6484.4	5263.5	4810.0	4442.9	3826.0	3431.6	3244.5
52.5°	9242.2	9244.6	8656.1	7233.9	5826.0	5307.3	4849.1	4119.6	3656.6	3445.9
55°	9713.5	9707.6	9205.5	7943.2	6472.5	5829.5	5299.0	4453.6	3931.3	3682.7
57.5°	10055.7	10038.0	9584.4	8553.0	7161.7	6446.5	5808.2	4832.5	4255.8	3964.5
60°	10186.0	10175.3	9841.4	9080.0	7886.4	7128.5	6395.5	5256.4	4624.1	4297.2
62.5°	10235.7	10255.8	10093.6	9590.4	8662.0	7884.0	7040.9	5763.2	5038.5	4673.8
65°	10411.0	10447.7	10414.5	10258.2	9538.3	8768.6	7897.0	6365.9	5490.9	5077.6
67.5°	10757.9	10794.6	10808.8	11057.5	10608.7	9871.0	8965.1	7116.7	6020.2	5496.8
70°	10749.6	10739.0	10990.0	11693.4	11949.2	11397.4	10405.0	8040.3	6651.3	5844.9
72.5°	9784.6	9699.3	10292.6	11686.3	13064.6	12991.2	12163.5	9231.6	7196.0	5887.5
75°	7340.5	7113.1	8161.1	10531.7	13250.5	13895.9	13281.3	9970.5	7067.0	5201.9
77.5°	3139.2	2910.6	4145.7	7796.4	11859.2	12990.0	12255.9	8698.7	5641.2	3439.9
80°	821.8	820.6	1252.8	3534.7	8065.2	9592.7	8415.7	5617.6	3223.2	1229.1
82.5°	339.8	331.6	460.6	1374.8	3940.8	5383.1	4393.2	2505.6	1164.0	332.7
85°	126.7	125.5	223.8	474.8	1390.2	2220.3	1606.9	640.6	290.1	162.2
87.5°	35.5	34.3	48.5	164.6	338.7	513.9	274.7	105.4	81.7	63.9
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°
2553.0	0°	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0	2553.0
2557.7	2.5°	2561.3	2567.2	2577.9	2586.2	2596.8	2608.7	2625.2	2635.9	2646.6	2653.7
2563.7	5°	2572.0	2585.0	2612.2	2639.5	2671.4	2701.0	2735.4	2760.2	2780.4	2786.3
2585.0	7.5°	2595.6	2617.0	2663.1	2709.3	2760.2	2808.8	2858.5	2901.1	2935.5	2948.5
2622.9	10°	2637.1	2665.5	2730.6	2795.8	2863.3	2937.9	3001.8	3063.4	3111.9	3132.1
2667.9	12.5°	2689.2	2724.7	2810.0	2900.0	2993.5	3096.5	3179.4	3255.2	3315.6	3342.8
2730.6	15°	2756.7	2802.9	2911.8	3032.6	3169.9	3313.2	3418.6	3502.7	3570.2	3603.3
2795.8	17.5°	2830.1	2891.7	3029.0	3211.4	3408.0	3596.2	3719.4	3781.0	3850.8	3882.8
2856.1	20°	2901.1	2976.9	3173.5	3438.7	3700.4	3900.6	4000.0	4016.6	4021.3	4024.9
2913.0	22.5°	2974.6	3076.4	3354.7	3725.3	4005.9	4144.5	4158.7	4087.7	3988.2	3942.0
2968.6	25°	3055.1	3190.1	3591.5	4041.5	4268.8	4285.4	4176.5	4003.6	3815.3	3728.9
3013.6	27.5°	3133.2	3321.5	3875.7	4343.4	4458.3	4312.6	4078.2	3833.1	3605.7	3514.5
3045.6	30°	3211.4	3471.9	4189.5	4607.5	4544.7	4245.1	3923.1	3649.5	3421.0	3325.1
3074.0	32.5°	3290.7	3647.2	4550.7	4798.1	4529.3	4101.9	3730.0	3443.5	3242.2	3141.5
3098.9	35°	3380.7	3862.7	4892.9	4902.3	4426.3	3891.1	3475.5	3197.2	3021.9	2941.4
3128.5	37.5°	3498.0	4136.2	5194.8	4928.4	4246.3	3582.0	3159.3	2905.9	2761.4	2724.7
3172.3	40°	3643.6	4465.4	5425.7	4886.9	3979.9	3206.7	2813.5	2611.0	2529.3	2537.6
3231.5	42.5°	3833.1	4833.7	5588.0	4780.4	3609.3	2819.4	2510.4	2420.4	2459.5	2492.6
3320.3	45°	4079.4	5216.1	5688.6	4599.2	3190.1	2491.4	2331.6	2352.9	2382.5	2386.0
3463.6	47.5°	4394.3	5603.4	5754.9	4325.7	2762.6	2260.5	2217.9	2222.6	2216.7	2191.8
3677.9	50°	4787.5	5979.9	5814.1	3963.3	2399.1	2116.1	2059.2	2042.6	1960.9	1880.4
3963.3	52.5°	5235.1	6325.7	5839.0	3513.3	2116.1	1995.3	1902.9	1798.7	1646.0	1621.1
4322.1	55°	5732.4	6645.4	5775.1	2960.4	1878.0	1840.2	1700.4	1574.9	1558.3	1537.0
4794.6	57.5°	6326.9	6990.0	5644.8	2343.4	1634.1	1659.0	1522.8	1537.0	1507.4	1474.3
5402.1	60°	6977.0	7346.4	5416.3	1780.9	1381.9	1432.8	1476.6	1475.4	1467.2	1439.9
6042.7	62.5°	7561.9	7580.9	4966.3	1364.1	1160.5	1257.6	1377.2	1376.0	1368.9	1353.5
6711.7	65°	7910.1	7545.3	4215.5	1074.0	978.1	1113.1	1242.2	1251.6	1252.8	1251.6
7215.0	67.5°	7848.5	7129.7	3185.3	854.9	827.7	966.3	1108.4	1121.4	1130.9	1133.2
7278.9	70°	7152.2	6216.7	2077.0	682.1	693.9	837.2	981.7	994.7	1003.0	1012.4
6316.2	72.5°	5574.9	4570.8	1188.9	551.8	576.7	725.9	856.1	871.5	876.3	894.0
4395.5	75°	3397.3	2688.0	641.8	434.6	473.7	620.5	731.8	749.6	757.9	779.2
2158.7	77.5°	1615.2	1164.0	365.9	338.7	381.3	506.8	618.1	638.3	615.8	627.6
595.6	80°	545.9	432.2	230.9	258.1	291.3	395.5	495.0	515.1	467.7	465.4
197.8	82.5°	190.6	175.3	146.8	171.7	188.3	283.0	374.2	400.2	348.1	347.0
88.8	85°	74.6	71.0	81.7	93.5	112.5	174.1	246.3	259.3	214.3	172.9
26.1	87.5°	15.4	16.6	20.1	21.3	34.3	60.4	88.8	108.9	86.4	73.4
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°
2553.0
2648.9
2788.7
2949.7
3133.2
3342.8
3601.0
3881.6
4034.4
3955.0
3741.9
3525.2
3335.7
3154.6
2959.2
2750.8
2566.0
2523.4
2409.7
2210.8
1891.1
1629.4
1540.6
1468.3
1430.4
1347.6
1251.6
1135.6
1017.2
901.1
781.5
618.1
460.6
330.4
170.5
67.5
0.0

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