

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: P848678

Luminaire Tested: **GLAN-SB5B-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848678  
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-SB5B-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

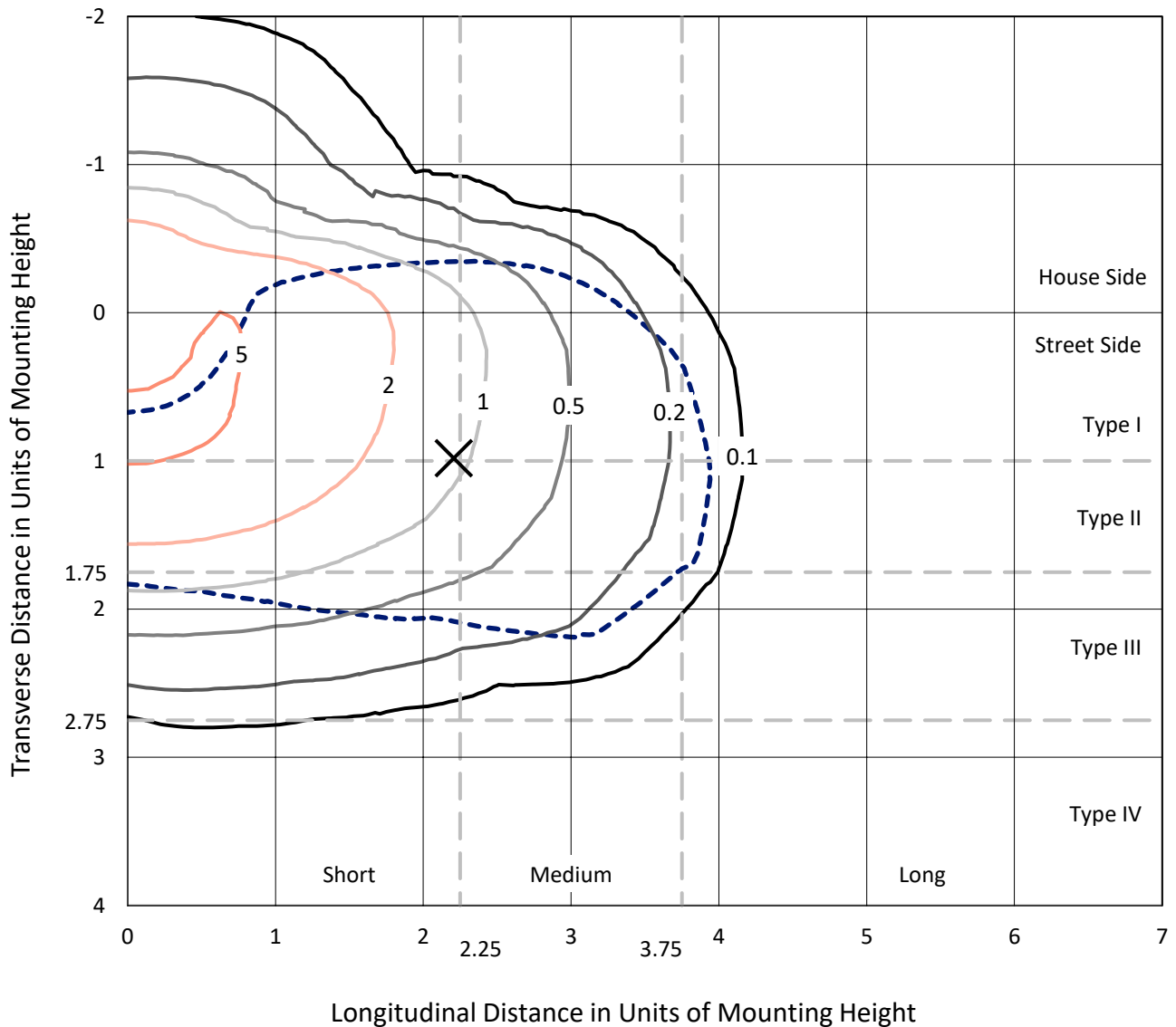
Lumens per Lamp: N/A  
Luminaire Lumens: 23568 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

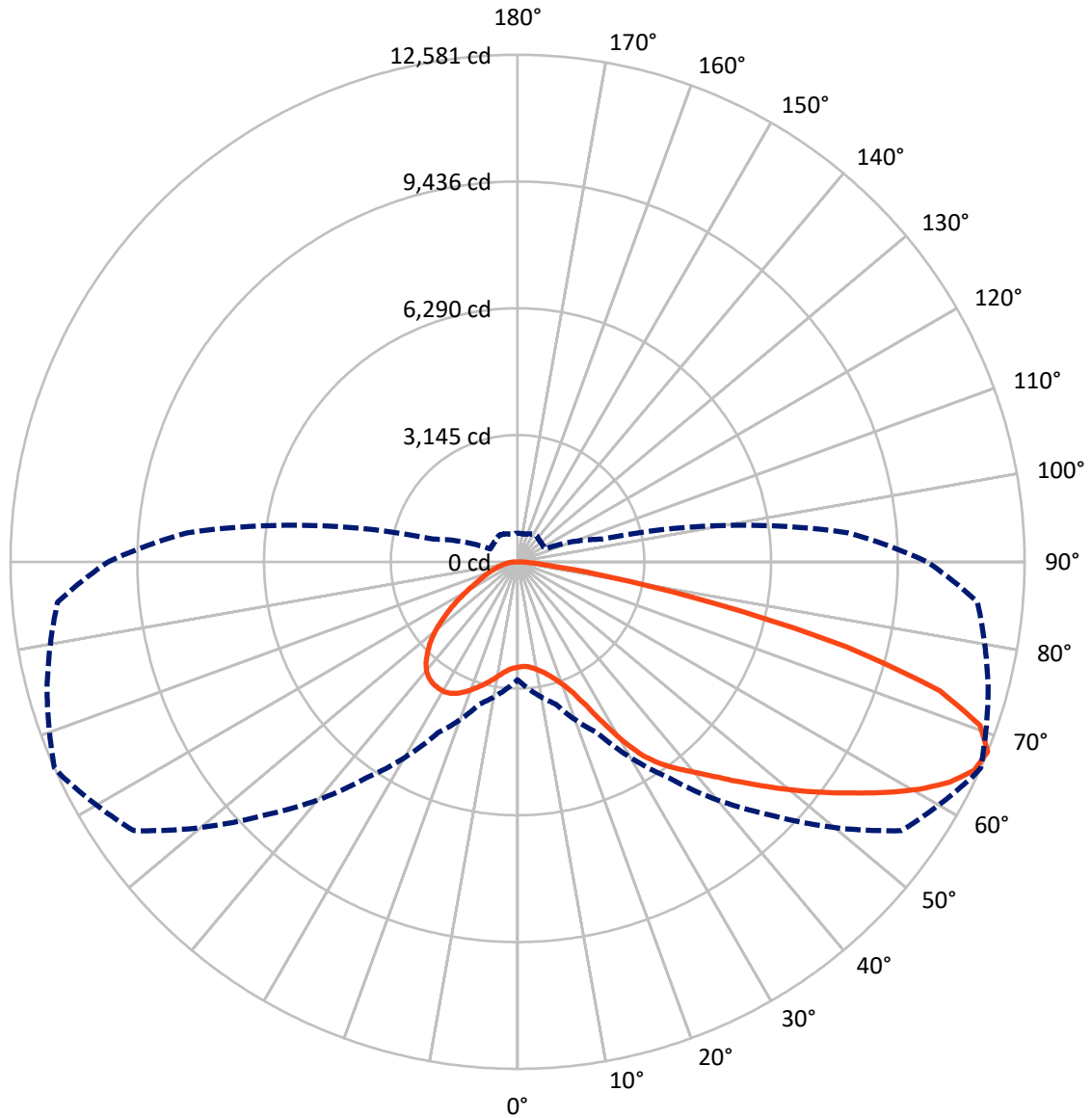
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	5860.1	0.0	5860.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	17707.9	0.0	17707.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	23568.0	0.0	23568.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.2	1.1
10°-20°	856.3	3.6
20°-30°	1650.4	7.0
30°-40°	2893.7	12.3
40°-50°	4302.0	18.3
50°-60°	5453.3	23.1
60°-70°	5335.9	22.6
70°-80°	2545.3	10.8
80°-90°	272.0	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°	23568.0	100.0
0°-180°	23568.0	100.0

**Coefficient of Utilization**



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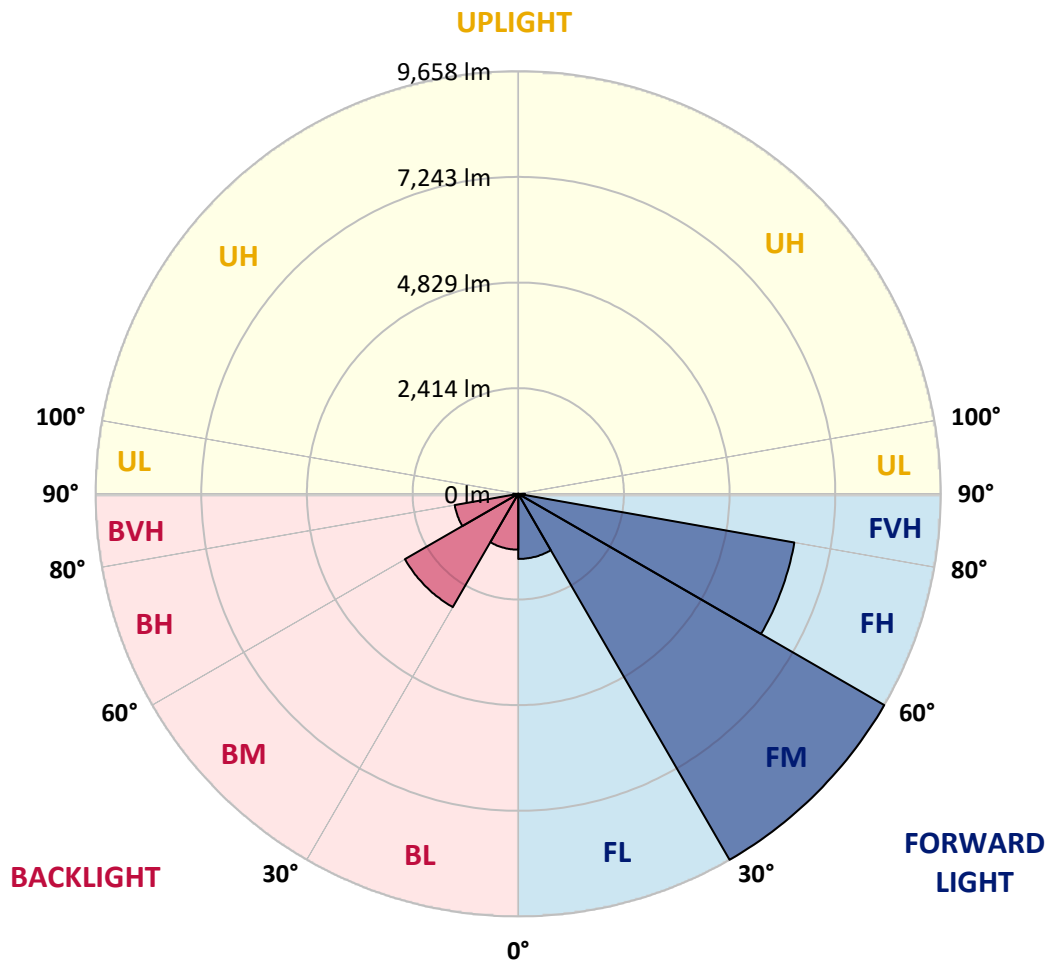
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1489.3	6.3			
FM (30°-60°)	9658.0	41.0			
FH (60°-80°)	6406.4	27.2			G3/7500
FVH (80°-90°)	154.2	0.7			G2/225
BL (0°-30°)	1276.5	5.4	B3/2500		
BM (30°-60°)	2991.1	12.7	B3/5000		
BH (60°-80°)	1474.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	117.8	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°	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0
2.5°	2586.8	2601.6	2597.9	2591.7	2590.5	2593.0	2596.7	2600.4	2599.1	2605.3
5°	2579.3	2594.2	2593.0	2593.0	2597.9	2607.8	2614.0	2620.2	2614.0	2621.4
7.5°	2584.3	2595.4	2600.4	2605.3	2617.7	2636.3	2651.2	2664.8	2657.3	2666.0
10°	2647.4	2656.1	2661.1	2661.1	2669.7	2690.8	2705.6	2730.4	2724.2	2737.8
12.5°	2762.6	2771.3	2771.3	2766.3	2772.5	2786.1	2791.1	2818.3	2807.2	2829.5
15°	2903.8	2921.1	2907.5	2898.8	2901.3	2914.9	2913.7	2934.7	2923.6	2942.1
17.5°	3059.8	3082.1	3059.8	3058.5	3053.6	3068.5	3069.7	3088.3	3068.5	3082.1
20°	3244.3	3275.2	3256.7	3262.9	3251.7	3257.9	3264.1	3291.3	3260.4	3270.3
22.5°	3504.3	3541.5	3521.7	3545.2	3537.8	3532.8	3531.6	3579.9	3531.6	3535.3
25°	3883.2	3927.8	3893.1	3925.3	3925.3	3941.4	3960.0	4021.9	3941.4	3917.9
27.5°	4442.9	4487.5	4419.4	4439.2	4433.0	4472.7	4452.8	4606.4	4519.7	4481.3
30°	5116.6	5195.8	5067.0	5062.1	5055.9	5119.0	5147.5	5249.1	5161.1	5122.8
32.5°	5844.7	5927.6	5774.1	5729.5	5706.0	5744.4	5720.8	5802.6	5741.9	5682.5
35°	6614.9	6696.6	6550.5	6463.8	6369.7	6289.2	6205.0	6226.1	6169.1	6078.7
37.5°	7343.0	7492.8	7338.0	7245.2	7071.8	6914.5	6679.3	6581.4	6528.2	6445.2
40°	8084.7	8170.2	8052.5	7973.3	7785.0	7538.6	7162.2	6955.4	6883.6	6803.1
42.5°	8630.8	8712.5	8649.4	8594.9	8447.5	8161.5	7674.8	7416.0	7312.0	7221.6
45°	9064.2	9124.9	9085.2	9105.1	9041.9	8764.5	8206.1	7910.1	7802.4	7692.2
47.5°	9238.8	9303.2	9366.3	9484.0	9591.7	9387.4	8776.9	8445.0	8331.1	8218.4
50°	9219.0	9284.6	9467.9	9718.0	10052.3	9984.2	9378.7	9014.7	8909.4	8780.6
52.5°	9060.5	9134.8	9370.0	9786.1	10318.6	10431.2	9991.7	9602.8	9503.8	9350.2
55°	8644.4	8689.0	9041.9	9631.3	10381.7	10743.3	10592.2	10229.4	10130.3	9916.1
57.5°	7873.0	7937.4	8451.2	9214.0	10223.2	10955.0	11119.7	10888.2	10792.8	10484.5
60°	6866.2	6969.0	7557.2	8513.2	9819.5	10953.8	11598.9	11535.8	11456.5	11044.2
62.5°	5727.0	5845.9	6411.8	7522.5	9113.7	10643.0	11898.6	12078.2	12037.3	11560.6
65°	4398.4	4480.1	5043.5	6240.9	8015.4	9975.6	11933.3	12448.4	12455.8	11953.1
67.5°	2928.5	3163.8	3652.9	4683.2	6544.3	8884.6	11628.7	12509.1	12580.9	12088.1
70°	1429.0	1738.5	2217.8	3043.7	4683.2	7211.7	10832.4	12011.3	12171.0	11694.3
72.5°	593.1	693.4	954.7	1502.0	2688.3	4866.4	9232.6	10661.6	10957.5	10361.9
75°	400.0	433.4	546.1	770.2	1224.7	2399.8	6658.2	7949.7	8426.5	7825.9
77.5°	308.3	329.4	397.5	538.7	728.1	907.7	3563.8	4790.9	5037.3	4663.4
80°	242.7	258.8	297.2	392.5	516.4	485.4	1214.7	2170.7	2313.1	1940.4
82.5°	210.5	216.7	213.0	266.2	343.0	283.6	398.7	801.2	884.1	641.4
85°	152.3	169.6	177.1	164.7	182.0	143.6	163.5	283.6	312.0	278.6
87.5°	61.9	91.6	112.7	106.5	66.9	40.9	50.8	83.0	95.3	104.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2614.0	0°	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0
2615.2	2.5°	2616.5	2625.1	2631.3	2638.8	2643.7	2651.2	2666.0	2674.7	2675.9	2682.1
2635.1	5°	2640.0	2652.4	2666.0	2685.8	2708.1	2726.7	2755.2	2775.0	2782.4	2788.6
2683.3	7.5°	2690.8	2708.1	2732.9	2767.5	2799.7	2824.5	2859.2	2882.7	2906.2	2914.9
2760.1	10°	2766.3	2791.1	2827.0	2874.0	2908.7	2940.9	2976.8	2996.6	3020.2	3030.1
2851.8	12.5°	2860.4	2886.4	2933.5	2999.1	3031.3	3053.6	3066.0	3061.0	3066.0	3074.6
2962.0	15°	2968.1	2996.6	3049.9	3120.5	3142.7	3122.9	3095.7	3070.9	3067.2	3069.7
3095.7	17.5°	3095.7	3116.7	3178.7	3238.1	3222.0	3140.3	3080.8	3041.2	3021.4	3015.2
3266.6	20°	3274.0	3274.0	3324.8	3361.9	3254.2	3115.5	3022.6	2958.2	2917.4	2900.0
3499.4	22.5°	3490.7	3470.9	3503.1	3477.1	3248.0	3046.2	2917.4	2805.9	2744.0	2719.3
3825.0	25°	3765.6	3742.1	3733.4	3572.4	3203.4	2936.0	2726.7	2591.7	2537.2	2523.6
4294.3	27.5°	4180.4	4121.0	4008.3	3624.4	3121.7	2762.6	2503.8	2378.7	2347.8	2349.0
4897.4	30°	4732.7	4613.8	4337.7	3633.1	2988.0	2517.4	2276.0	2186.8	2171.9	2178.1
5403.8	32.5°	5244.1	5131.4	4674.5	3593.5	2782.4	2277.2	2071.6	2012.2	1989.9	1997.3
5790.2	35°	5645.3	5614.3	4986.5	3537.8	2529.8	2051.8	1888.4	1837.6	1794.3	1784.4
6154.2	37.5°	6024.2	6011.8	5220.6	3459.7	2279.7	1892.1	1741.0	1674.2	1611.0	1576.3
6556.7	40°	6440.3	6427.9	5374.1	3339.6	2058.0	1753.4	1608.5	1520.6	1442.6	1379.4
7012.4	42.5°	6908.3	6835.3	5447.2	3167.5	1869.8	1635.8	1500.8	1381.9	1279.1	1220.9
7527.5	45°	7419.8	7255.1	5445.9	2948.3	1711.3	1528.0	1385.6	1217.2	1121.9	1067.4
8056.2	47.5°	7962.1	7656.3	5379.1	2705.6	1557.8	1409.2	1207.3	1078.5	1015.4	982.0
8630.8	50°	8521.8	8031.5	5265.2	2427.0	1400.5	1274.2	1095.9	1008.0	959.7	928.7
9200.4	52.5°	9048.1	8372.0	5127.7	2111.3	1240.8	1142.9	1046.3	978.2	927.5	892.8
9752.7	55°	9537.2	8665.5	4933.3	1788.1	1110.7	1055.0	1022.8	965.9	907.7	866.8
10313.6	57.5°	9971.8	8856.2	4597.7	1484.7	1017.9	994.3	998.1	944.8	877.9	843.3
10865.9	60°	10333.4	8996.1	4101.2	1203.6	942.3	934.9	959.7	905.2	827.2	787.5
11332.7	62.5°	10550.1	8993.6	3491.9	985.7	877.9	880.4	908.9	855.6	776.4	739.3
11576.7	65°	10531.5	8773.2	2823.3	843.3	816.0	818.5	855.6	801.2	734.3	712.0
11454.1	67.5°	10158.8	8235.8	2165.7	750.4	747.9	759.1	802.4	764.0	708.3	705.8
10723.5	70°	9149.6	7120.1	1560.2	676.1	677.3	693.4	750.4	740.5	694.7	699.6
9015.9	72.5°	7336.8	5428.6	1047.6	598.1	599.3	625.3	700.9	721.9	681.1	746.7
6396.9	75°	4886.2	3385.4	673.6	515.1	516.4	549.8	657.5	686.0	643.9	744.2
3328.5	77.5°	2347.8	1521.8	487.9	433.4	433.4	464.4	568.4	614.2	548.6	578.3
1069.9	80°	811.1	572.1	383.9	349.2	341.8	362.8	479.2	532.5	473.0	435.9
349.2	82.5°	319.5	297.2	308.3	271.2	246.4	260.0	372.7	439.6	348.0	314.5
196.9	85°	183.3	193.2	217.9	179.6	142.4	159.7	273.7	315.8	262.5	231.6
64.4	87.5°	49.5	68.1	100.3	92.9	64.4	68.1	130.0	174.6	151.1	116.4
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°
2614.0
2680.9
2787.4
2916.1
3035.0
3077.1
3078.4
3023.9
2896.3
2715.5
2526.1
2352.7
2199.2
2007.2
1791.8
1577.6
1385.6
1224.7
1064.9
974.5
917.6
877.9
850.7
821.0
770.2
728.1
710.8
709.5
698.4
756.6
750.4
530.0
408.6
313.3
236.5
120.1
0.0

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