

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: P847938

Luminaire Tested: **GLAN-SB4B-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847938  
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-SB4B-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22161 lumens  
Efficiency: N/A  
Efficacy: 150.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

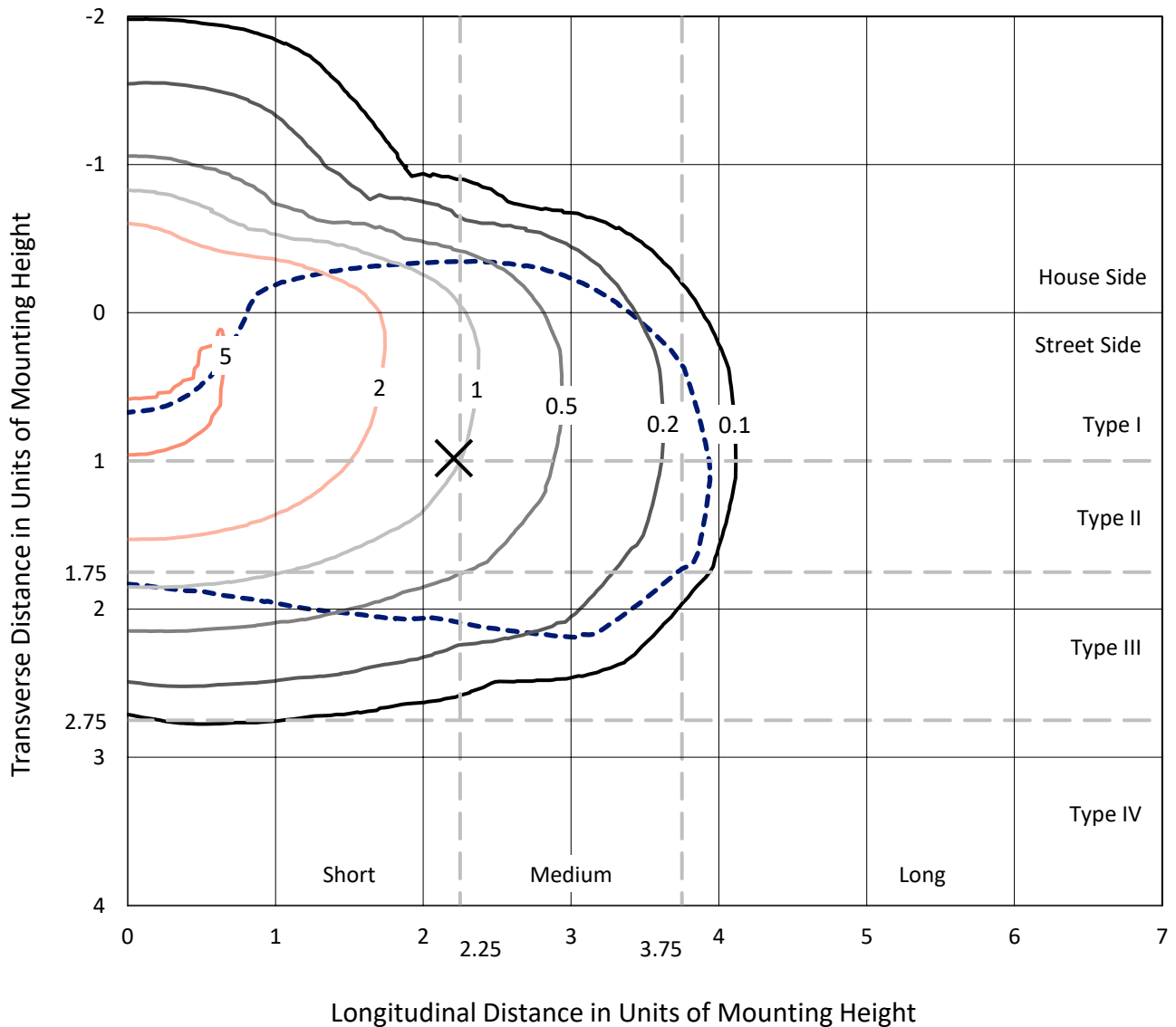
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

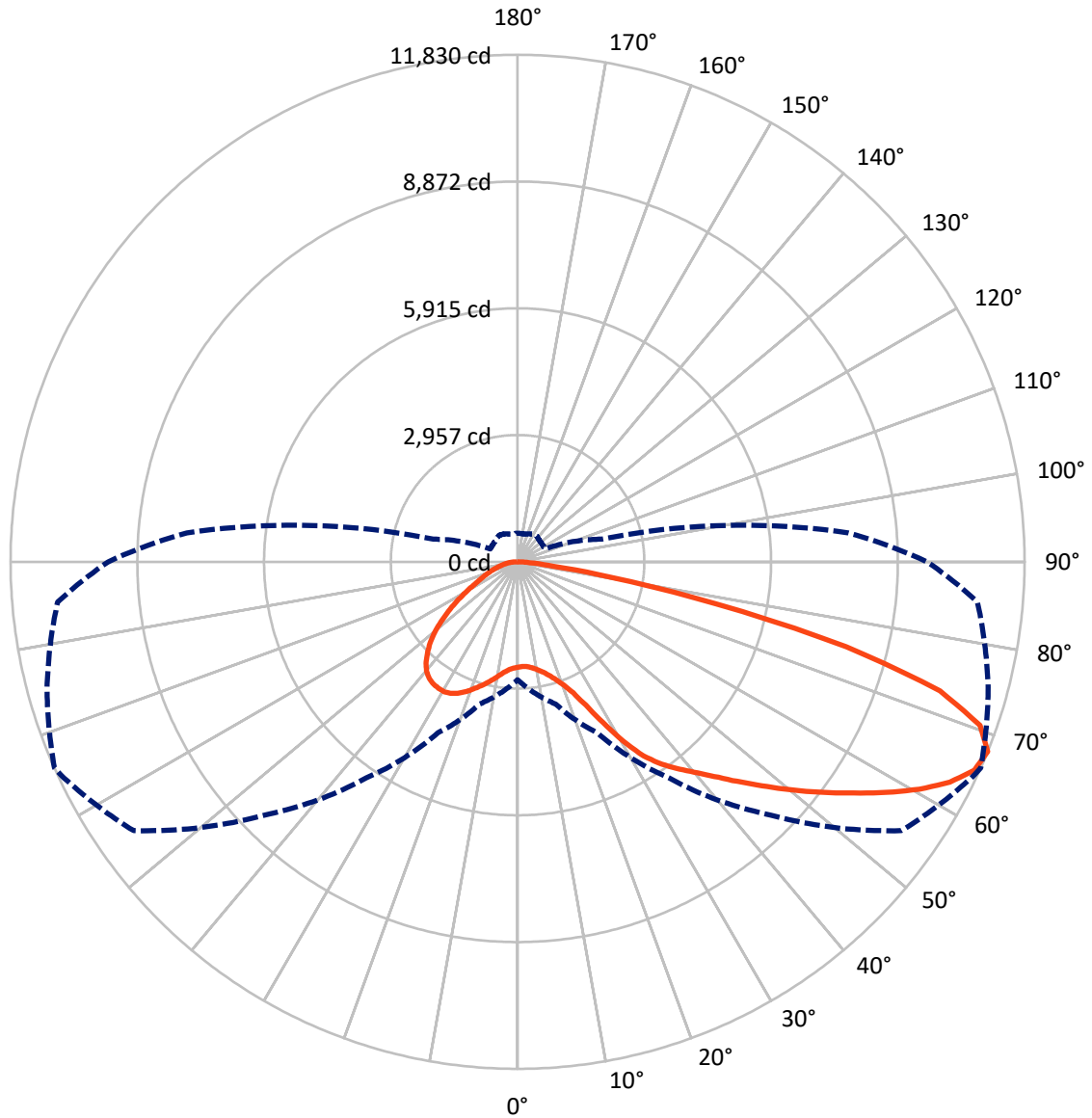
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	5510.3	0.0	5510.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	16650.7	0.0	16650.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	22161.0	0.0	22161.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.7	1.1
10°-20°	805.1	3.6
20°-30°	1551.9	7.0
30°-40°	2721.0	12.3
40°-50°	4045.2	18.3
50°-60°	5127.7	23.1
60°-70°	5017.3	22.6
70°-80°	2393.3	10.8
80°-90°	255.8	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°	22161.0	100.0
0°-180°	22161.0	100.0

**Coefficient of Utilization**



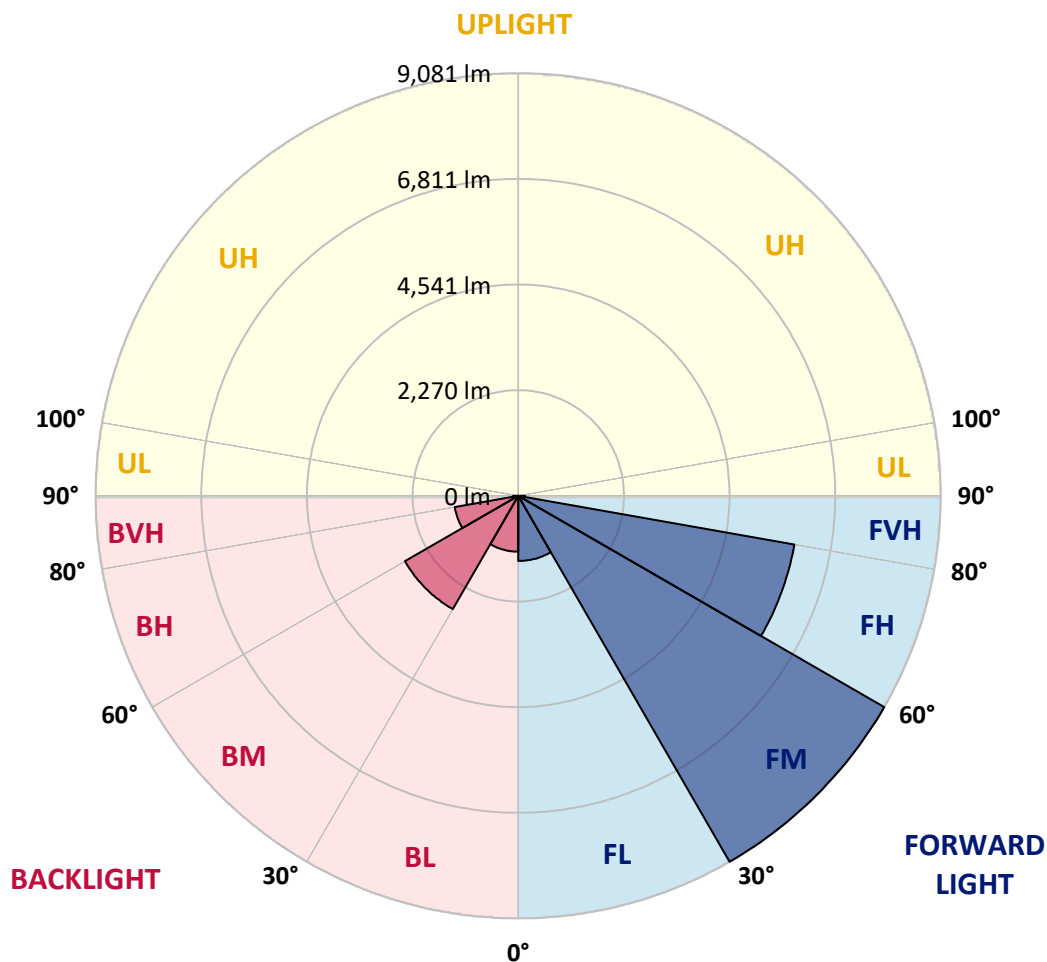
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1400.4	6.3			
FM (30°-60°)	9081.4	41.0			
FH (60°-80°)	6024.0	27.2			G3/7500
FVH (80°-90°)	145.0	0.7			G2/225
BL (0°-30°)	1200.3	5.4	B3/2500		
BM (30°-60°)	2812.5	12.7	B3/5000		
BH (60°-80°)	1386.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	110.8	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°	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9
2.5°	2432.3	2446.3	2442.8	2437.0	2435.8	2438.2	2441.6	2445.1	2444.0	2449.8
5°	2425.3	2439.3	2438.2	2438.2	2442.8	2452.1	2457.9	2463.8	2457.9	2464.9
7.5°	2430.0	2440.5	2445.1	2449.8	2461.4	2478.9	2492.9	2505.7	2498.7	2506.9
10°	2489.4	2497.5	2502.2	2502.2	2510.3	2530.1	2544.1	2567.4	2561.6	2574.4
12.5°	2597.7	2605.8	2605.8	2601.2	2607.0	2619.8	2624.5	2650.1	2639.6	2660.5
15°	2730.4	2746.7	2733.9	2725.7	2728.1	2740.9	2739.7	2759.5	2749.0	2766.5
17.5°	2877.1	2898.1	2877.1	2876.0	2871.3	2885.3	2886.4	2903.9	2885.3	2898.1
20°	3050.6	3079.7	3062.2	3068.1	3057.6	3063.4	3069.2	3094.8	3065.7	3075.1
22.5°	3295.1	3330.0	3311.4	3333.5	3326.6	3321.9	3320.7	3366.1	3320.7	3324.2
25°	3651.4	3693.3	3660.7	3691.0	3691.0	3706.1	3723.6	3781.8	3706.1	3684.0
27.5°	4177.7	4219.6	4155.6	4174.2	4168.4	4205.6	4187.0	4331.4	4249.9	4213.8
30°	4811.1	4885.6	4764.5	4759.9	4754.1	4813.4	4840.2	4935.7	4853.0	4816.9
32.5°	5495.7	5573.8	5429.4	5387.5	5365.3	5401.4	5379.3	5456.2	5399.1	5343.2
35°	6220.0	6296.8	6159.4	6077.9	5989.4	5913.7	5834.6	5854.4	5800.8	5715.8
37.5°	6904.6	7045.5	6900.0	6812.6	6649.6	6501.7	6280.5	6188.5	6138.5	6060.5
40°	7602.1	7682.4	7571.8	7497.3	7320.3	7088.6	6734.6	6540.2	6472.6	6397.0
42.5°	8115.5	8192.4	8133.0	8081.8	7943.2	7674.2	7216.7	6973.3	6875.5	6790.5
45°	8523.1	8580.1	8542.9	8561.5	8502.1	8241.3	7716.2	7437.9	7336.6	7233.0
47.5°	8687.2	8747.8	8807.2	8917.8	9019.1	8827.0	8252.9	7940.9	7833.8	7727.8
50°	8668.6	8730.3	8902.6	9137.8	9452.2	9388.2	8818.8	8476.5	8377.5	8256.4
52.5°	8519.6	8589.4	8810.7	9201.9	9702.5	9808.5	9395.2	9029.6	8936.4	8792.0
55°	8128.3	8170.3	8502.1	9056.3	9761.9	10101.9	9959.9	9618.7	9525.6	9324.1
57.5°	7403.0	7463.5	7946.7	8663.9	9612.9	10301.0	10455.9	10238.2	10148.5	9858.6
60°	6456.3	6553.0	7106.0	8004.9	9233.3	10299.9	10906.5	10847.1	10772.6	10384.9
62.5°	5385.1	5496.9	6029.0	7073.4	8569.6	10007.6	11188.3	11357.1	11318.7	10870.4
65°	4135.8	4212.6	4742.4	5868.3	7536.9	9380.0	11220.9	11705.2	11712.2	11239.5
67.5°	2753.7	2974.9	3434.8	4403.6	6153.6	8354.2	10934.4	11762.3	11829.8	11366.4
70°	1343.7	1634.8	2085.4	2862.0	4403.6	6781.2	10185.8	11294.2	11444.4	10996.1
72.5°	557.7	652.0	897.7	1412.4	2527.8	4575.9	8681.4	10025.1	10303.4	9743.3
75°	376.1	407.5	513.5	724.2	1151.5	2256.5	6260.7	7475.1	7923.4	7358.7
77.5°	289.9	309.7	373.8	506.5	684.6	853.5	3351.0	4504.9	4736.6	4385.0
80°	228.2	243.3	279.4	369.1	485.5	456.4	1142.2	2041.1	2175.0	1824.5
82.5°	197.9	203.8	200.3	250.3	322.5	266.6	374.9	753.3	831.3	603.1
85°	143.2	159.5	166.5	154.9	171.2	135.1	153.7	266.6	293.4	262.0
87.5°	58.2	86.2	106.0	100.1	62.9	38.4	47.7	78.0	89.7	97.8
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°
2457.9	0°	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9	2457.9
2459.1	2.5°	2460.3	2468.4	2474.2	2481.2	2485.9	2492.9	2506.9	2515.0	2516.2	2522.0
2477.7	5°	2482.4	2494.0	2506.9	2525.5	2546.4	2563.9	2590.7	2609.3	2616.3	2622.1
2523.2	7.5°	2530.1	2546.4	2569.7	2602.3	2632.6	2655.9	2688.5	2710.6	2732.7	2740.9
2595.3	10°	2601.2	2624.5	2658.2	2702.5	2735.1	2765.3	2799.1	2817.7	2839.9	2849.2
2681.5	12.5°	2689.7	2714.1	2758.4	2820.1	2850.3	2871.3	2882.9	2878.3	2882.9	2891.1
2785.1	15°	2791.0	2817.7	2867.8	2934.2	2955.1	2936.5	2910.9	2887.6	2884.1	2886.4
2910.9	17.5°	2910.9	2930.7	2988.9	3044.8	3029.6	2952.8	2896.9	2859.6	2841.0	2835.2
3071.6	20°	3078.5	3078.5	3126.3	3161.2	3059.9	2929.5	2842.2	2781.6	2743.2	2726.9
3290.5	22.5°	3282.3	3263.7	3294.0	3269.5	3054.1	2864.3	2743.2	2638.4	2580.2	2556.9
3596.7	25°	3540.8	3518.7	3510.5	3359.2	3012.2	2760.7	2563.9	2437.0	2385.8	2373.0
4038.0	27.5°	3930.9	3875.0	3769.0	3408.1	2935.3	2597.7	2354.3	2236.7	2207.6	2208.8
4605.0	30°	4450.2	4338.4	4078.7	3416.2	2809.6	2367.1	2140.1	2056.2	2042.3	2048.1
5081.2	32.5°	4931.0	4825.1	4395.4	3379.0	2616.3	2141.2	1948.0	1892.1	1871.1	1878.1
5444.5	35°	5308.3	5279.2	4688.8	3326.6	2378.8	1929.3	1775.6	1727.9	1687.1	1677.8
5786.8	37.5°	5664.6	5652.9	4908.9	3253.2	2143.6	1779.1	1637.1	1574.2	1514.8	1482.2
6165.2	40°	6055.8	6044.2	5053.3	3140.3	1935.2	1648.7	1512.5	1429.8	1356.5	1297.1
6593.7	42.5°	6495.9	6427.2	5122.0	2978.4	1758.2	1538.1	1411.2	1299.4	1202.8	1148.1
7078.1	45°	6976.8	6821.9	5120.8	2772.3	1609.1	1436.8	1302.9	1144.6	1054.9	1003.7
7575.3	47.5°	7486.8	7199.2	5057.9	2544.1	1464.8	1325.0	1135.2	1014.2	954.8	923.3
8115.5	50°	8013.1	7552.0	4950.8	2282.1	1316.9	1198.1	1030.5	947.8	902.4	873.3
8651.1	52.5°	8507.9	7872.2	4821.6	1985.2	1166.7	1074.7	983.9	919.8	872.1	839.5
9170.4	55°	8967.8	8148.1	4638.8	1681.3	1044.4	992.0	961.8	908.2	853.5	815.0
9697.9	57.5°	9376.5	8327.4	4323.2	1396.1	957.1	935.0	938.5	888.4	825.5	792.9
10217.2	60°	9716.5	8459.0	3856.3	1131.8	886.1	879.1	902.4	851.1	777.8	740.5
10656.2	62.5°	9920.3	8456.7	3283.5	926.8	825.5	827.9	854.6	804.6	730.0	695.1
10885.5	65°	9902.8	8249.4	2654.7	792.9	767.3	769.6	804.6	753.3	690.5	669.5
10770.3	67.5°	9552.3	7744.1	2036.5	705.6	703.3	713.7	754.5	718.4	666.0	663.7
10083.3	70°	8603.4	6695.0	1467.1	635.7	636.9	652.0	705.6	696.3	653.2	657.9
8477.6	72.5°	6898.8	5104.5	985.0	562.4	563.5	588.0	659.0	678.8	640.4	702.1
6015.0	75°	4594.5	3183.3	633.4	484.4	485.5	517.0	618.3	645.1	605.5	699.8
3129.8	77.5°	2207.6	1431.0	458.8	407.5	407.5	436.6	534.4	577.5	515.8	543.8
1006.0	80°	762.7	537.9	360.9	328.3	321.4	341.2	450.6	500.7	444.8	409.9
328.3	82.5°	300.4	279.4	289.9	255.0	231.7	244.5	350.5	413.3	327.2	295.7
185.1	85°	172.3	181.6	204.9	168.8	133.9	150.2	257.3	296.9	246.8	217.7
60.5	87.5°	46.6	64.0	94.3	87.3	60.5	64.0	122.3	164.2	142.1	109.4
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°
2457.9
2520.8
2621.0
2742.0
2853.8
2893.4
2894.6
2843.3
2723.4
2553.4
2375.3
2212.3
2067.9
1887.4
1684.8
1483.4
1302.9
1151.5
1001.3
916.3
862.8
825.5
799.9
772.0
724.2
684.6
668.3
667.2
656.7
711.4
705.6
498.3
384.2
294.6
222.4
112.9
0.0

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