

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: P848203

Luminaire Tested: **GLAN-SB4C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848203
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-SB4C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20072 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

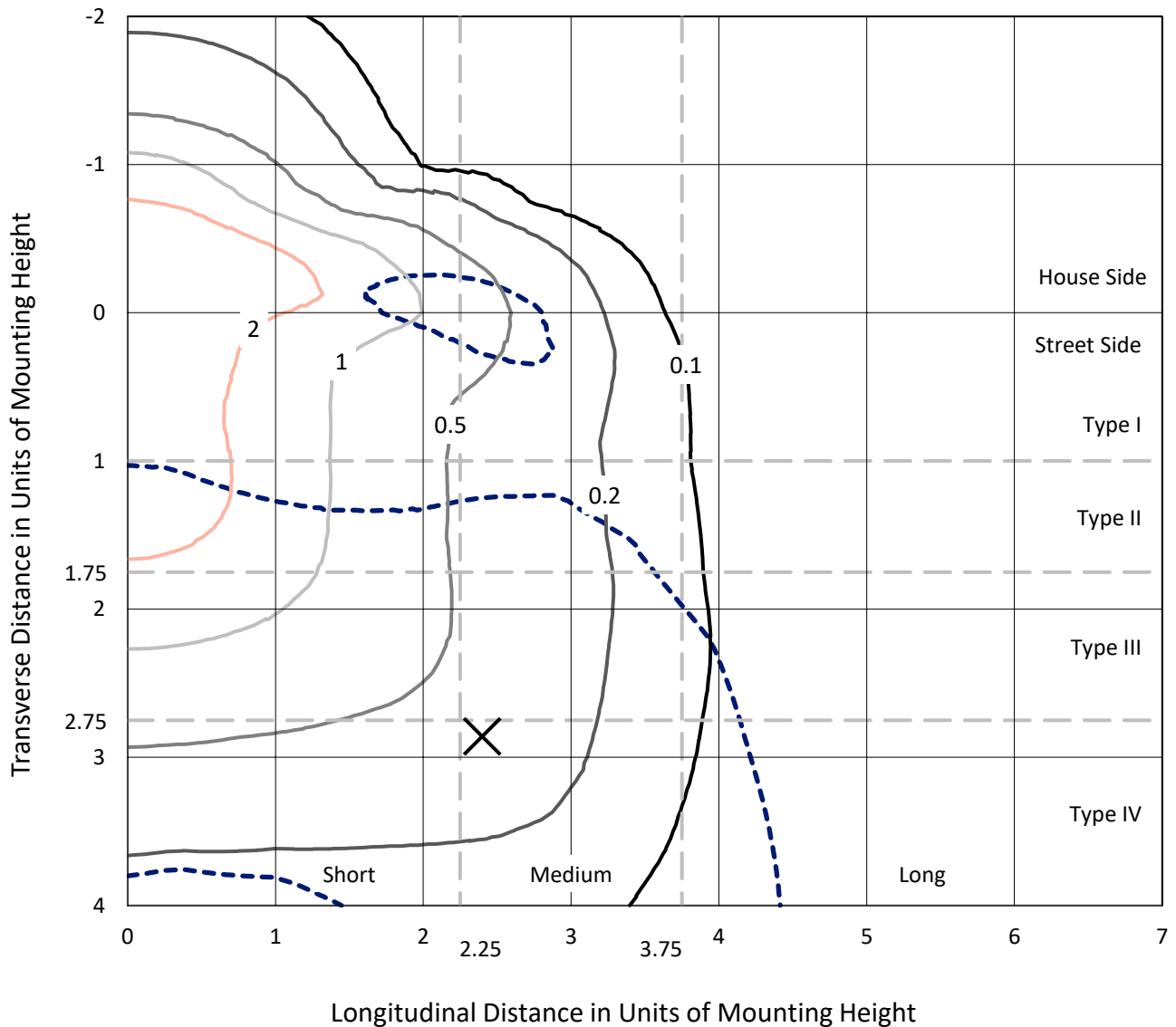
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

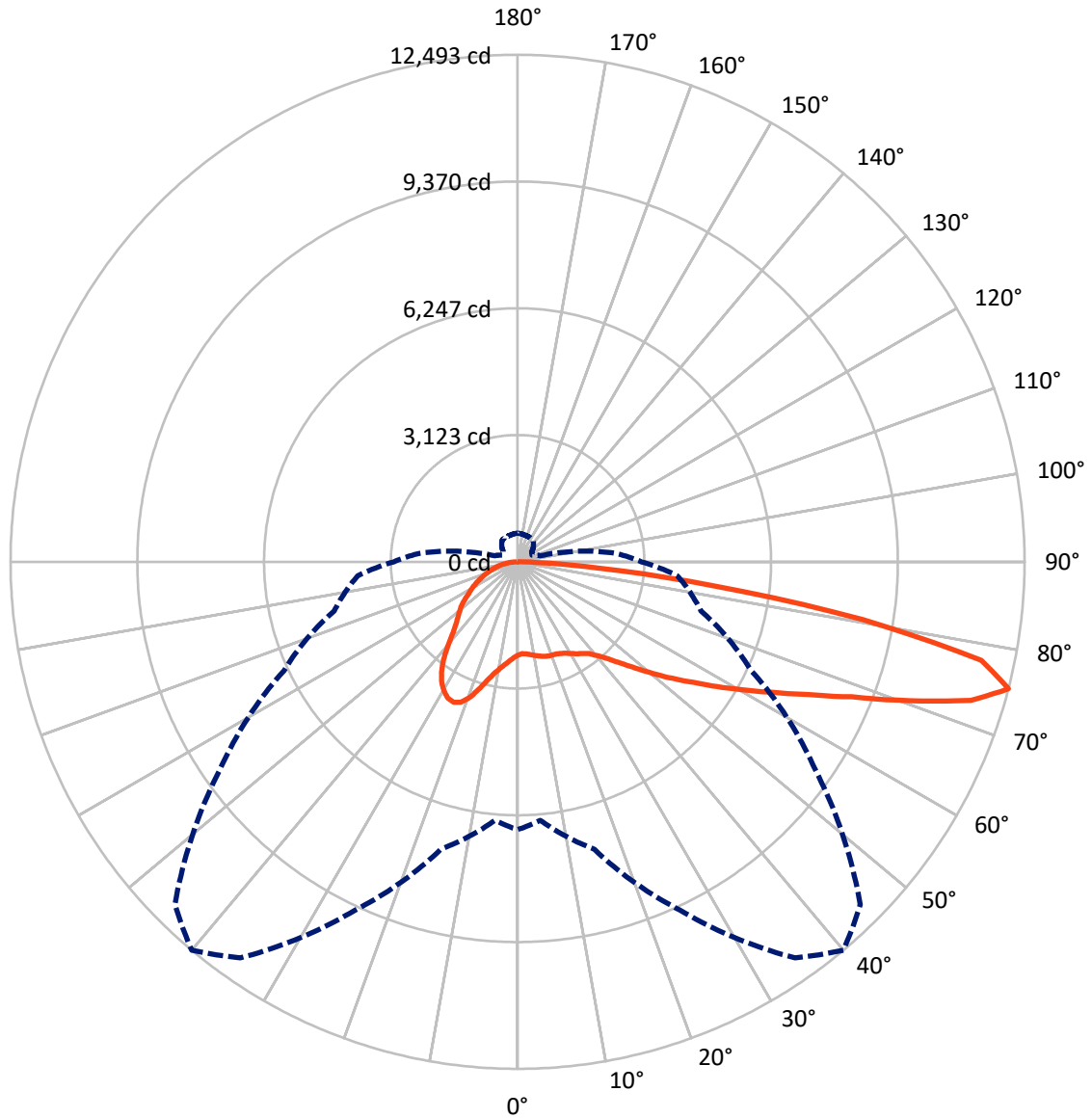
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	6219.0	0.0	6219.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13853.0	0.0	13853.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	20072.0	0.0	20072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.1	1.1
10°-20°	769.2	3.8
20°-30°	1404.6	7.0
30°-40°	1992.0	9.9
40°-50°	2689.9	13.4
50°-60°	3618.6	18.0
60°-70°	4592.8	22.9
70°-80°	4168.3	20.8
80°-90°	607.6	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°	20072.0	100.0
0°-180°	20072.0	100.0

Coefficient of Utilization

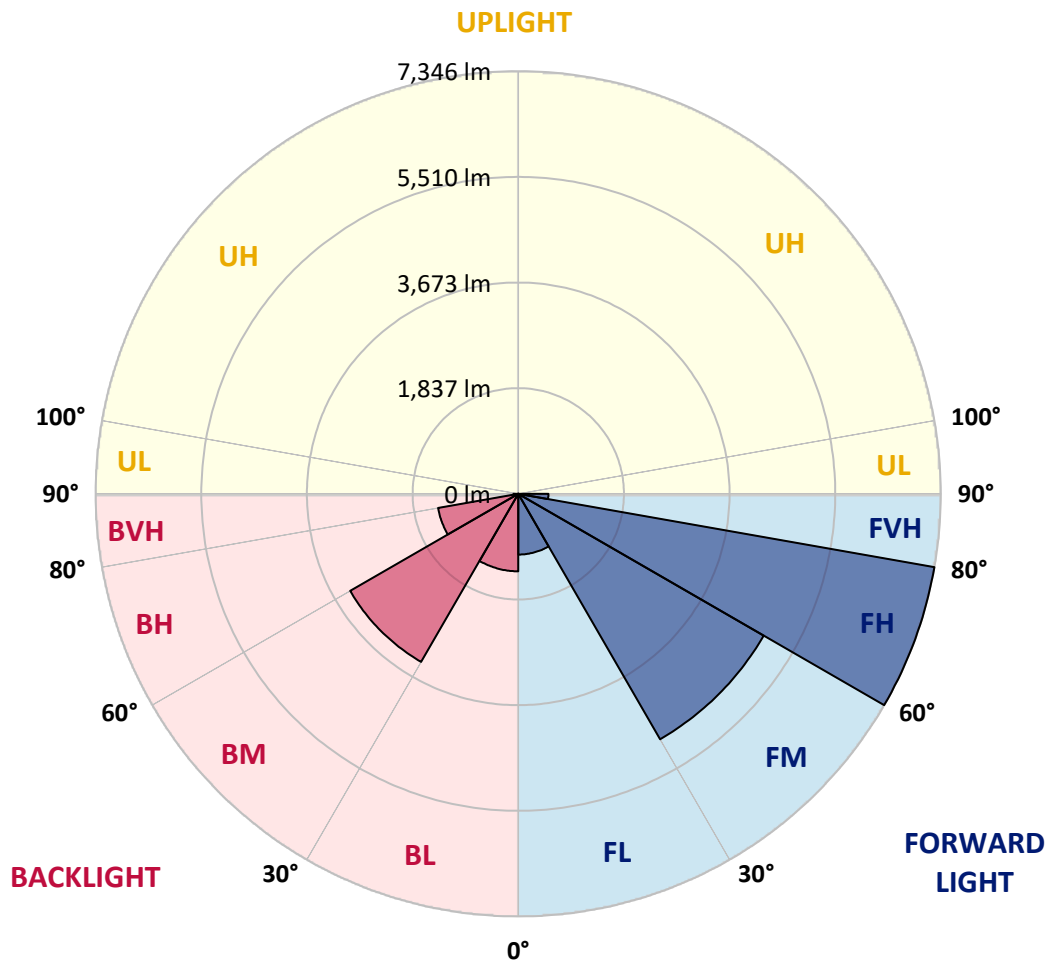


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.8	5.3			
FM (30°-60°)	4927.2	24.5			
FH (60°-80°)	7346.0	36.6			G3/7500
FVH (80°-90°)	523.9	2.6			G4/750
BL (0°-30°)	1347.1	6.7	B3/2500		
BM (30°-60°)	3373.2	16.8	B3/5000		
BH (60°-80°)	1415.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	83.7	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°	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3
2.5°	2260.1	2272.9	2269.7	2265.5	2265.5	2266.5	2265.5	2272.9	2280.4	2287.8
5°	2283.5	2296.3	2289.9	2284.6	2280.4	2279.3	2276.1	2275.0	2279.3	2288.9
7.5°	2329.3	2342.1	2332.5	2322.9	2314.4	2310.2	2305.9	2299.5	2296.3	2301.6
10°	2380.4	2393.2	2381.5	2364.5	2350.6	2345.3	2341.0	2334.6	2330.4	2333.6
12.5°	2431.5	2444.3	2428.3	2404.9	2386.8	2383.6	2378.3	2376.2	2375.1	2374.0
15°	2479.4	2490.1	2469.9	2442.2	2423.0	2417.7	2412.4	2415.6	2420.9	2427.3
17.5°	2516.7	2527.3	2497.5	2461.3	2443.2	2441.1	2437.9	2448.6	2463.5	2479.4
20°	2550.8	2561.4	2523.1	2474.1	2452.8	2452.8	2453.9	2476.2	2497.5	2521.0
22.5°	2598.7	2607.2	2560.3	2493.3	2462.4	2464.5	2473.0	2495.4	2522.0	2554.0
25°	2670.0	2676.4	2618.9	2529.5	2494.3	2500.7	2508.2	2518.8	2544.4	2581.6
27.5°	2785.0	2790.3	2714.7	2593.3	2540.1	2550.8	2561.4	2554.0	2565.7	2597.6
30°	2946.8	2950.0	2854.2	2693.4	2617.8	2623.2	2625.3	2594.4	2572.1	2597.6
32.5°	3138.4	3137.4	3023.4	2814.8	2706.2	2700.9	2682.8	2622.1	2569.9	2592.3
35°	3435.4	3423.7	3276.8	2985.1	2806.3	2773.3	2730.7	2653.0	2580.6	2587.0
37.5°	3927.3	3891.1	3687.7	3264.0	2955.3	2871.2	2808.4	2703.0	2604.0	2584.8
40°	4481.9	4436.2	4212.6	3646.2	3178.9	3043.7	2942.5	2774.3	2642.3	2594.4
42.5°	5139.8	5074.9	4834.3	4096.5	3462.1	3266.2	3113.9	2864.8	2698.7	2625.3
45°	5947.9	5861.6	5521.0	4604.4	3818.7	3557.9	3354.5	3002.1	2785.0	2684.9
47.5°	6764.4	6785.7	6301.3	5185.6	4246.7	3917.7	3655.8	3208.7	2910.6	2780.7
50°	7632.1	7647.0	7077.4	5829.7	4732.1	4324.4	3994.3	3439.7	3085.2	2917.0
52.5°	8309.1	8311.3	7782.2	6503.6	5237.8	4771.5	4359.5	3703.7	3287.5	3098.0
55°	8732.8	8727.5	8276.1	7141.3	5819.1	5241.0	4764.0	4003.9	3534.4	3310.9
57.5°	9040.5	9024.5	8616.8	7689.5	6438.7	5795.6	5221.8	4344.6	3826.1	3564.3
60°	9157.6	9148.0	8847.8	8163.3	7090.2	6408.8	5749.9	4725.7	4157.2	3863.4
62.5°	9202.3	9220.4	9074.6	8622.1	7787.5	7088.1	6330.1	5181.4	4529.8	4201.9
65°	9359.9	9392.9	9363.1	9222.6	8575.3	7883.3	7099.8	5723.2	4936.5	4565.0
67.5°	9671.8	9704.8	9717.6	9941.2	9537.7	8874.4	8060.0	6398.2	5412.4	4941.8
70°	9664.4	9654.8	9880.5	10512.8	10742.8	10246.7	9354.6	7228.6	5979.8	5254.8
72.5°	8796.7	8720.1	9253.4	10506.5	11745.6	11679.6	10935.5	8299.6	6469.5	5293.2
75°	6599.4	6395.0	7337.2	9468.5	11912.8	12493.0	11940.5	8963.9	6353.5	4676.8
77.5°	2822.2	2616.8	3727.1	7009.3	10661.9	11678.6	11018.5	7820.5	5071.7	3092.6
80°	738.8	737.8	1126.3	3177.8	7250.9	8624.3	7566.1	5050.4	2897.8	1105.0
82.5°	305.5	298.1	414.1	1236.0	3543.0	4839.6	3949.6	2252.7	1046.5	299.2
85°	113.9	112.8	201.2	426.9	1249.8	1996.1	1444.7	575.9	260.8	145.8
87.5°	31.9	30.9	43.6	148.0	304.5	462.0	247.0	94.7	73.5	57.5
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°
2295.3	0°	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3
2299.5	2.5°	2302.7	2308.0	2317.6	2325.1	2334.6	2345.3	2360.2	2369.8	2379.4	2385.8
2304.8	5°	2312.3	2324.0	2348.5	2373.0	2401.7	2428.3	2459.2	2481.6	2499.7	2505.0
2324.0	7.5°	2333.6	2352.7	2394.3	2435.8	2481.6	2525.2	2569.9	2608.2	2639.1	2650.8
2358.1	10°	2370.8	2396.4	2454.9	2513.5	2574.2	2641.3	2698.7	2754.1	2797.7	2815.8
2398.5	12.5°	2417.7	2449.6	2526.3	2607.2	2691.3	2783.9	2858.4	2926.6	2980.9	3005.3
2454.9	15°	2478.4	2519.9	2617.8	2726.4	2849.9	2978.7	3073.5	3149.1	3209.7	3239.6
2513.5	17.5°	2544.4	2599.7	2723.2	2887.2	3063.9	3233.2	3343.9	3399.2	3462.1	3490.8
2567.8	20°	2608.2	2676.4	2853.1	3091.6	3326.8	3506.8	3596.2	3611.1	3615.4	3618.5
2618.9	22.5°	2674.3	2765.8	3016.0	3349.2	3601.5	3726.1	3738.8	3675.0	3585.5	3544.0
2668.9	25°	2746.6	2868.0	3228.9	3633.5	3837.9	3852.8	3754.8	3599.4	3430.1	3352.4
2709.4	27.5°	2816.9	2986.2	3484.4	3904.9	4008.2	3877.2	3666.5	3446.1	3241.7	3159.7
2738.1	30°	2887.2	3121.4	3766.5	4142.3	4085.9	3816.6	3527.0	3281.1	3075.6	2989.4
2763.7	32.5°	2958.5	3278.9	4091.2	4313.7	4072.1	3687.7	3353.5	3095.8	2914.9	2824.4
2786.0	35°	3039.4	3472.7	4398.9	4407.4	3979.4	3498.2	3124.6	2874.4	2716.8	2644.4
2812.7	37.5°	3144.8	3718.6	4670.4	4430.8	3817.6	3220.4	2840.3	2612.5	2482.6	2449.6
2852.0	40°	3275.7	4014.6	4878.0	4393.6	3578.1	2882.9	2529.5	2347.4	2274.0	2281.4
2905.3	42.5°	3446.1	4345.7	5023.8	4297.8	3244.9	2534.8	2256.9	2176.0	2211.2	2241.0
2985.1	45°	3667.5	4689.5	5114.3	4134.9	2868.0	2239.9	2096.2	2115.3	2142.0	2145.2
3113.9	47.5°	3950.7	5037.6	5173.9	3889.0	2483.7	2032.3	1994.0	1998.2	1992.9	1970.6
3306.6	50°	4304.1	5376.2	5227.1	3563.2	2156.9	1902.4	1851.3	1836.4	1763.0	1690.6
3563.2	52.5°	4706.6	5687.0	5249.5	3158.6	1902.4	1793.8	1710.8	1617.1	1479.8	1457.4
3885.8	55°	5153.7	5974.5	5192.0	2661.5	1688.4	1654.4	1528.8	1415.9	1401.0	1381.8
4310.5	57.5°	5688.1	6284.3	5074.9	2106.8	1469.1	1491.5	1369.1	1381.8	1355.2	1325.4
4856.7	60°	6272.6	6604.7	4869.4	1601.1	1242.4	1288.2	1327.5	1326.5	1319.0	1294.5
5432.6	62.5°	6798.5	6815.5	4464.9	1226.4	1043.3	1130.6	1238.1	1237.1	1230.7	1216.8
6034.1	65°	7111.5	6783.6	3789.9	965.6	879.4	1000.7	1116.8	1125.3	1126.3	1125.3
6486.6	67.5°	7056.1	6409.9	2863.8	768.6	744.1	868.7	996.5	1008.2	1016.7	1018.8
6544.0	70°	6430.1	5589.1	1867.3	613.2	623.9	752.7	882.5	894.3	901.7	910.2
5678.5	72.5°	5012.1	4109.3	1068.9	496.1	518.5	652.6	769.7	783.5	787.8	803.8
3951.8	75°	3054.3	2416.6	577.0	390.7	425.8	557.8	657.9	673.9	681.3	700.5
1940.8	77.5°	1452.1	1046.5	329.0	304.5	342.8	455.6	555.7	573.8	553.6	564.2
535.5	80°	490.8	388.6	207.6	232.1	261.9	355.6	445.0	463.1	420.5	418.4
177.8	82.5°	171.4	157.6	132.0	154.4	169.3	254.4	336.4	359.8	313.0	311.9
79.8	85°	67.1	63.9	73.5	84.1	101.1	156.5	221.4	233.1	192.7	155.4
23.4	87.5°	13.8	14.9	18.1	19.2	30.9	54.3	79.8	97.9	77.7	66.0
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°
2295.3
2381.5
2507.1
2651.9
2816.9
3005.3
3237.4
3489.7
3627.1
3555.7
3364.1
3169.3
2999.0
2836.1
2660.4
2473.0
2307.0
2268.6
2166.4
1987.6
1700.2
1464.9
1385.0
1320.1
1286.0
1211.5
1125.3
1020.9
914.5
810.2
702.6
555.7
414.1
297.0
153.3
60.7
0.0

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