

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: P847923

Luminaire Tested: **GLAN-SB4B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847923
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-SB4B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21610 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

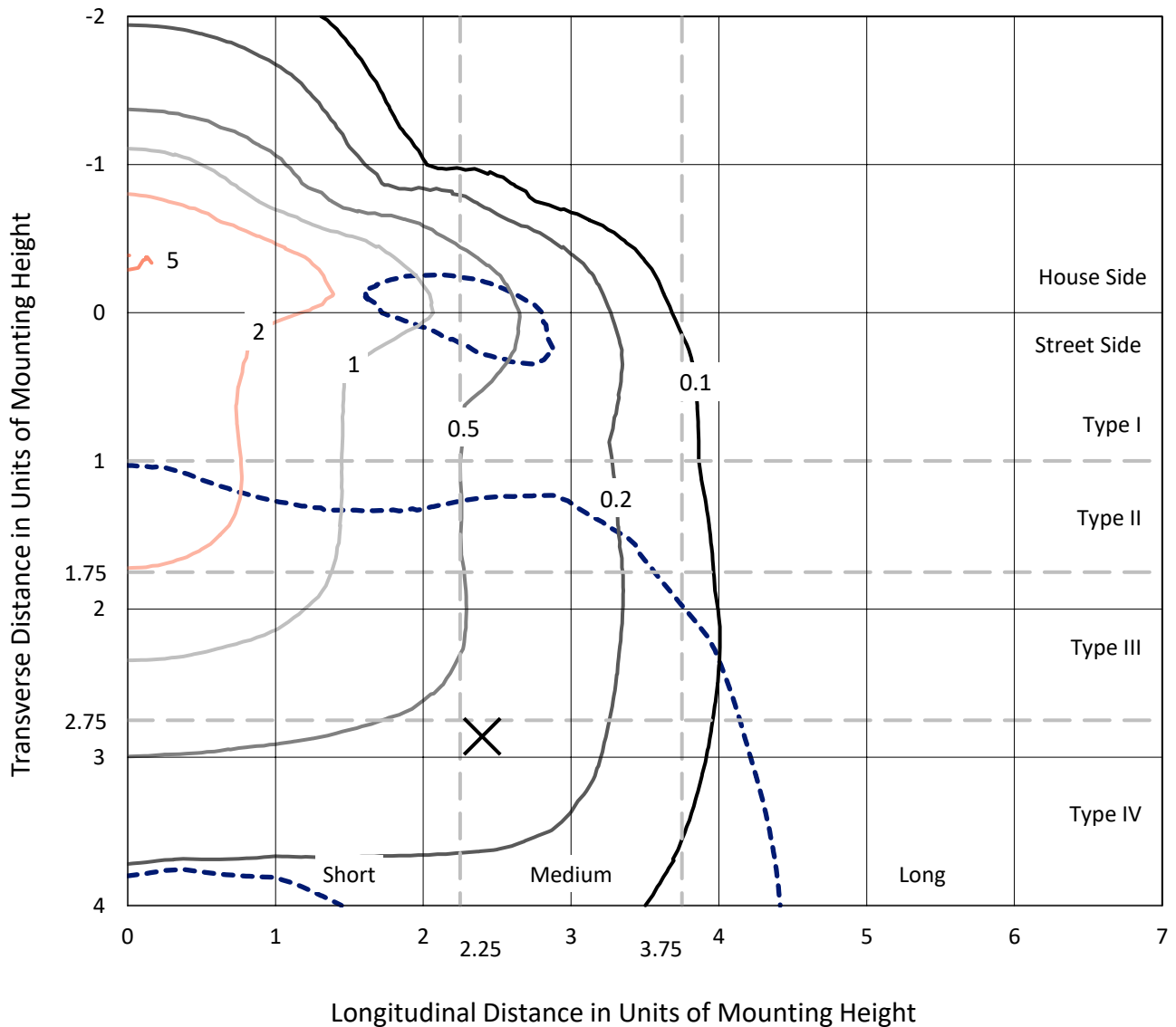
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

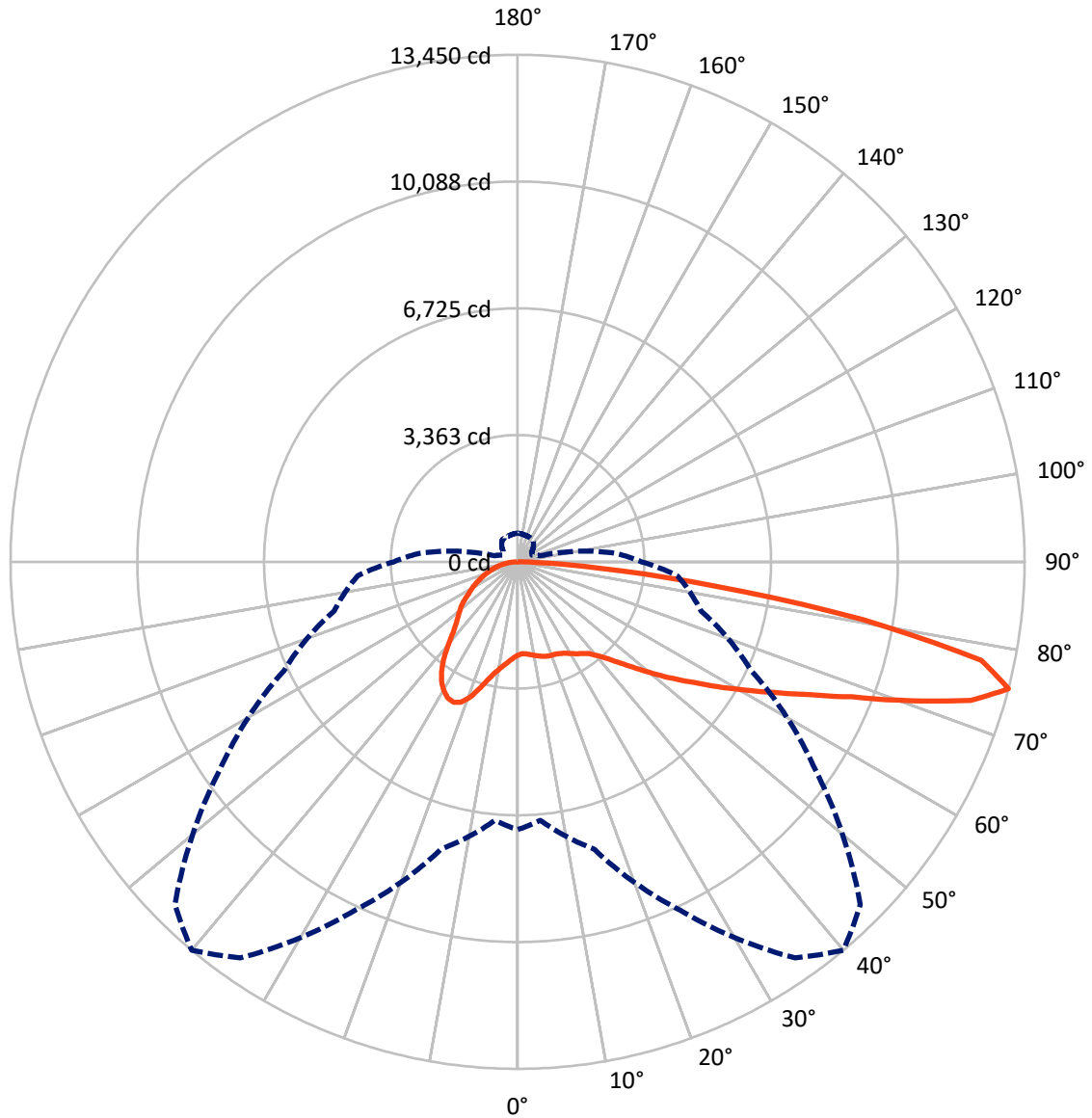
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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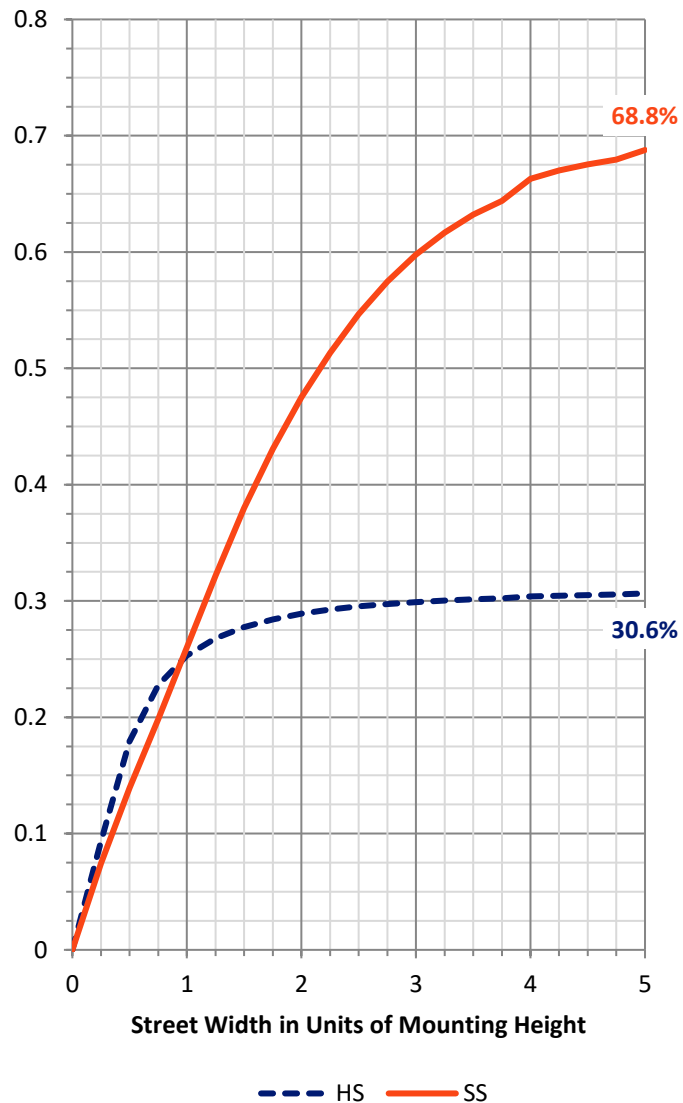
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6695.5	0.0	6695.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	14914.5	0.0	14914.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	21610.0	0.0	21610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.7	1.1
10°-20°	828.2	3.8
20°-30°	1512.2	7.0
30°-40°	2144.7	9.9
40°-50°	2896.0	13.4
50°-60°	3895.8	18.0
60°-70°	4944.7	22.9
70°-80°	4487.6	20.8
80°-90°	654.2	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°	21610.0	100.0
0°-180°	21610.0	100.0

Coefficient of Utilization

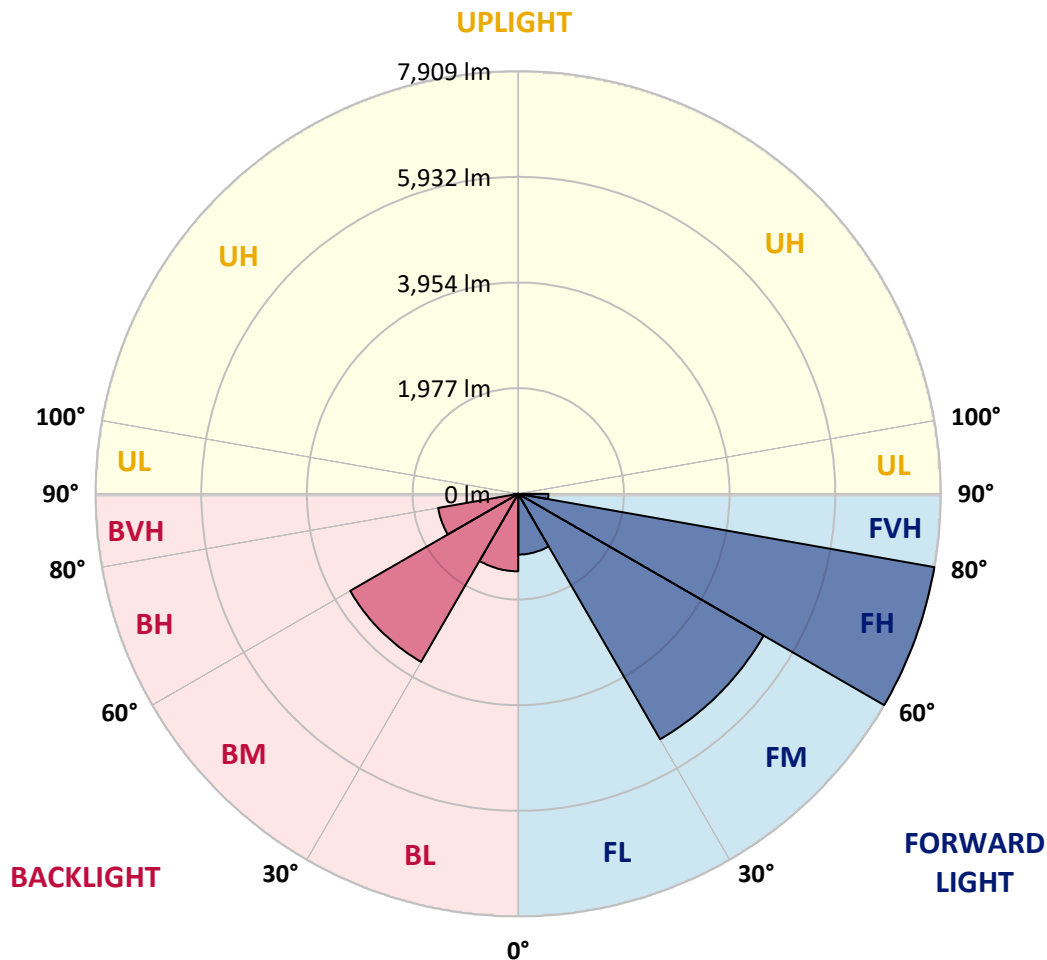


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1136.7	5.3			
FM (30°-60°)	5304.8	24.5			
FH (60°-80°)	7908.9	36.6			G4/12000
FVH (80°-90°)	564.1	2.6			G4/750
BL (0°-30°)	1450.3	6.7	B3/2500		
BM (30°-60°)	3631.7	16.8	B3/5000		
BH (60°-80°)	1523.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	90.1	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°	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1
2.5°	2433.3	2447.1	2443.6	2439.0	2439.0	2440.2	2439.0	2447.1	2455.1	2463.1
5°	2458.5	2472.3	2465.4	2459.7	2455.1	2453.9	2450.5	2449.4	2453.9	2464.3
7.5°	2507.8	2521.6	2511.2	2500.9	2491.8	2487.2	2482.6	2475.7	2472.3	2478.0
10°	2562.8	2576.6	2564.0	2545.6	2530.7	2525.0	2520.4	2513.5	2509.0	2512.4
12.5°	2617.8	2631.6	2614.4	2589.2	2569.7	2566.3	2560.5	2558.2	2557.1	2555.9
15°	2669.4	2680.9	2659.1	2629.3	2608.7	2602.9	2597.2	2600.6	2606.4	2613.3
17.5°	2709.5	2721.0	2688.9	2649.9	2630.4	2628.2	2624.7	2636.2	2652.2	2669.4
20°	2746.2	2757.7	2716.4	2663.7	2640.8	2640.8	2641.9	2666.0	2688.9	2714.1
22.5°	2797.8	2807.0	2756.5	2684.3	2651.1	2653.4	2662.5	2686.6	2715.3	2749.7
25°	2874.6	2881.5	2819.6	2723.3	2685.5	2692.3	2700.4	2711.8	2739.3	2779.5
27.5°	2998.4	3004.1	2922.7	2792.1	2734.8	2746.2	2757.7	2749.7	2762.3	2796.6
30°	3172.6	3176.0	3072.9	2899.8	2818.4	2824.2	2826.4	2793.2	2769.1	2796.6
32.5°	3378.9	3377.7	3255.1	3030.5	2913.6	2907.8	2888.3	2823.0	2766.8	2790.9
35°	3698.7	3686.1	3527.9	3213.8	3021.3	2985.8	2939.9	2856.2	2778.3	2785.2
37.5°	4228.2	4189.2	3970.3	3514.1	3181.8	3091.2	3023.6	2910.1	2803.5	2782.9
40°	4825.4	4776.1	4535.4	3925.6	3422.4	3276.9	3168.0	2986.9	2844.8	2793.2
42.5°	5533.7	5463.8	5204.7	4410.4	3727.3	3516.4	3352.5	3084.3	2905.5	2826.4
45°	6403.6	6310.8	5944.0	4957.2	4111.3	3830.5	3611.6	3232.2	2998.4	2890.6
47.5°	7282.7	7305.7	6784.2	5583.0	4572.1	4217.9	3935.9	3454.5	3133.6	2993.8
50°	8216.9	8232.9	7619.7	6276.4	5094.7	4655.7	4300.4	3703.3	3321.6	3140.5
52.5°	8945.8	8948.1	8378.5	7001.9	5639.1	5137.1	4693.5	3987.5	3539.4	3335.3
55°	9402.0	9396.3	8910.3	7688.5	6264.9	5642.6	5129.1	4310.7	3805.3	3564.6
57.5°	9733.2	9716.0	9277.1	8278.8	6932.0	6239.7	5621.9	4677.5	4119.3	3837.4
60°	9859.3	9849.0	9525.8	8788.8	7633.5	6899.9	6190.4	5087.8	4475.8	4159.4
62.5°	9907.5	9926.9	9769.9	9282.8	8384.2	7631.2	6815.1	5578.4	4876.9	4523.9
65°	10077.1	10112.6	10080.5	9929.2	9232.4	8487.4	7643.8	6161.8	5314.8	4914.8
67.5°	10412.9	10448.4	10462.2	10702.9	10268.5	9554.4	8677.6	6888.5	5827.1	5320.5
70°	10404.9	10394.6	10637.6	11318.4	11566.0	11031.8	10071.4	7782.5	6438.0	5657.5
72.5°	9470.8	9388.2	9962.5	11311.5	12645.6	12574.6	11773.4	8935.5	6965.2	5698.7
75°	7105.1	6885.0	7899.4	10194.0	12825.6	13450.2	12855.4	9650.7	6840.3	5035.1
77.5°	3038.5	2817.3	4012.7	7546.4	11478.8	12573.4	11862.8	8419.7	5460.3	3329.6
80°	795.4	794.3	1212.6	3421.3	7806.5	9285.1	8145.8	5437.4	3119.9	1189.7
82.5°	328.9	320.9	445.9	1330.7	3814.4	5210.5	4252.3	2425.3	1126.7	322.1
85°	122.6	121.5	216.6	459.6	1345.6	2149.1	1555.3	620.1	280.8	157.0
87.5°	34.4	33.2	47.0	159.3	327.8	497.4	265.9	102.0	79.1	61.9
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°
2471.1	0°	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1	2471.1
2475.7	2.5°	2479.2	2484.9	2495.2	2503.2	2513.5	2525.0	2541.0	2551.4	2561.7	2568.6
2481.4	5°	2489.5	2502.1	2528.4	2554.8	2585.7	2614.4	2647.6	2671.7	2691.2	2696.9
2502.1	7.5°	2512.4	2533.0	2577.7	2622.4	2671.7	2718.7	2766.8	2808.1	2841.3	2854.0
2538.8	10°	2552.5	2580.0	2643.1	2706.1	2771.4	2843.6	2905.5	2965.1	3012.1	3031.6
2582.3	12.5°	2602.9	2637.3	2719.9	2807.0	2897.5	2997.2	3077.5	3150.8	3209.3	3235.6
2643.1	15°	2668.3	2713.0	2818.4	2935.3	3068.3	3207.0	3309.0	3390.4	3455.7	3487.8
2706.1	17.5°	2739.3	2798.9	2931.9	3108.4	3298.7	3480.9	3600.1	3659.7	3727.3	3758.3
2764.6	20°	2808.1	2881.5	3071.7	3328.5	3581.8	3775.5	3871.7	3887.8	3892.4	3895.8
2819.6	22.5°	2879.2	2977.7	3247.1	3605.8	3877.5	4011.6	4025.3	3956.6	3860.3	3815.6
2873.4	25°	2957.1	3087.8	3476.3	3911.9	4131.9	4148.0	4042.5	3875.2	3692.9	3609.3
2917.0	27.5°	3032.8	3215.0	3751.4	4204.1	4315.3	4174.3	3947.4	3710.1	3490.1	3401.8
2947.9	30°	3108.4	3360.6	4055.1	4459.7	4399.0	4109.0	3797.2	3532.5	3311.3	3218.4
2975.4	32.5°	3185.2	3530.2	4404.7	4644.3	4384.1	3970.3	3610.4	3333.0	3138.2	3040.8
2999.5	35°	3272.3	3738.8	4736.0	4745.1	4284.4	3766.3	3364.0	3094.6	2925.0	2847.1
3028.2	37.5°	3385.8	4003.6	5028.2	4770.3	4110.1	3467.1	3058.0	2812.7	2672.9	2637.3
3070.6	40°	3526.8	4322.2	5251.7	4730.2	3852.3	3103.8	2723.3	2527.3	2448.2	2456.2
3127.9	42.5°	3710.1	4678.6	5408.8	4627.1	3493.5	2729.0	2429.9	2342.8	2380.6	2412.7
3213.8	45°	3948.5	5048.9	5506.2	4451.7	3087.8	2411.5	2256.8	2277.4	2306.1	2309.5
3352.5	47.5°	4253.4	5423.7	5570.4	4186.9	2674.0	2188.0	2146.8	2151.4	2145.6	2121.6
3560.0	50°	4633.9	5788.1	5627.7	3836.2	2322.1	2048.2	1993.2	1977.1	1898.0	1820.1
3836.2	52.5°	5067.2	6122.8	5651.7	3400.7	2048.2	1931.3	1841.9	1741.0	1593.2	1569.1
4183.5	55°	5548.6	6432.3	5589.8	2865.4	1817.8	1781.1	1645.9	1524.4	1508.4	1487.7
4640.8	57.5°	6124.0	6765.8	5463.8	2268.3	1581.7	1605.8	1474.0	1487.7	1459.1	1427.0
5228.8	60°	6753.2	7110.8	5242.6	1723.8	1337.6	1386.9	1429.3	1428.1	1420.1	1393.7
5848.9	62.5°	7319.4	7337.7	4807.0	1320.4	1123.2	1217.2	1333.0	1331.8	1325.0	1310.1
6496.5	65°	7656.4	7303.4	4080.3	1039.6	946.7	1077.4	1202.3	1211.5	1212.6	1211.5
6983.6	67.5°	7596.8	6901.1	3083.2	827.5	801.2	935.3	1072.8	1085.4	1094.6	1096.9
7045.5	70°	6922.8	6017.4	2010.4	660.2	671.7	810.3	950.2	962.8	970.8	980.0
6113.6	72.5°	5396.1	4424.2	1150.7	534.1	558.2	702.6	828.7	843.6	848.2	865.4
4254.6	75°	3288.3	2601.8	621.2	420.6	458.5	600.6	708.3	725.5	733.5	754.2
2089.5	77.5°	1563.4	1126.7	354.2	327.8	369.1	490.6	598.3	617.8	596.0	607.5
576.5	80°	528.4	418.4	223.5	249.9	282.0	382.8	479.1	498.6	452.7	450.4
191.4	82.5°	184.5	169.6	142.1	166.2	182.2	273.9	362.2	387.4	337.0	335.8
86.0	85°	72.2	68.8	79.1	90.5	108.9	168.5	238.4	251.0	207.5	167.3
25.2	87.5°	14.9	16.0	19.5	20.6	33.2	58.5	86.0	105.4	83.7	71.1
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°
2471.1
2564.0
2699.2
2855.1
3032.8
3235.6
3485.5
3757.1
3905.0
3828.2
3621.9
3412.1
3228.7
3053.4
2864.3
2662.5
2483.7
2442.5
2332.4
2139.9
1830.4
1577.1
1491.2
1421.2
1384.6
1304.3
1211.5
1099.2
984.6
872.2
756.5
598.3
445.9
319.8
165.0
65.3
0.0

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