

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: P849193

Luminaire Tested: **GLAN-SB6A-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849193
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-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 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: 23980 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

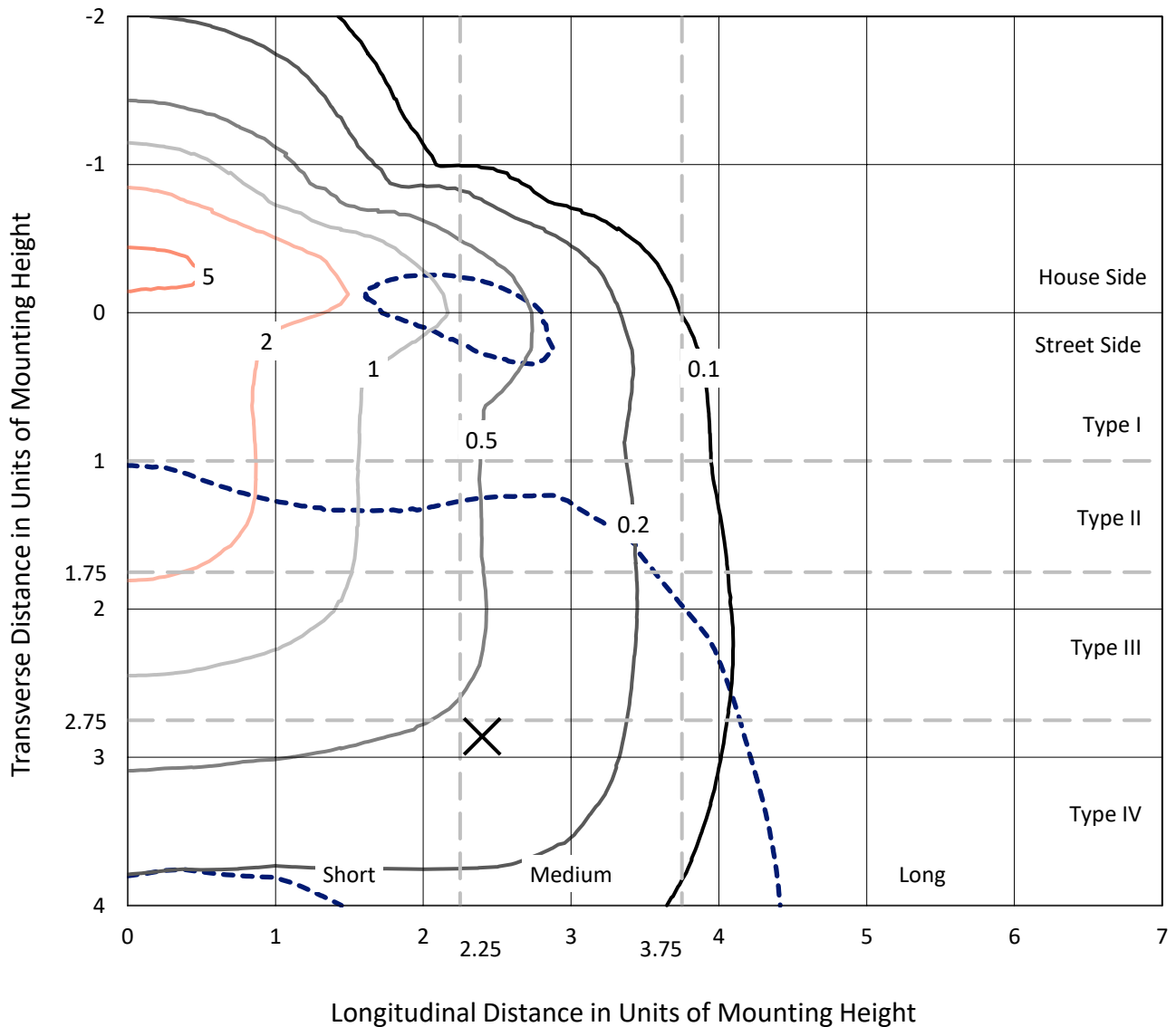
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

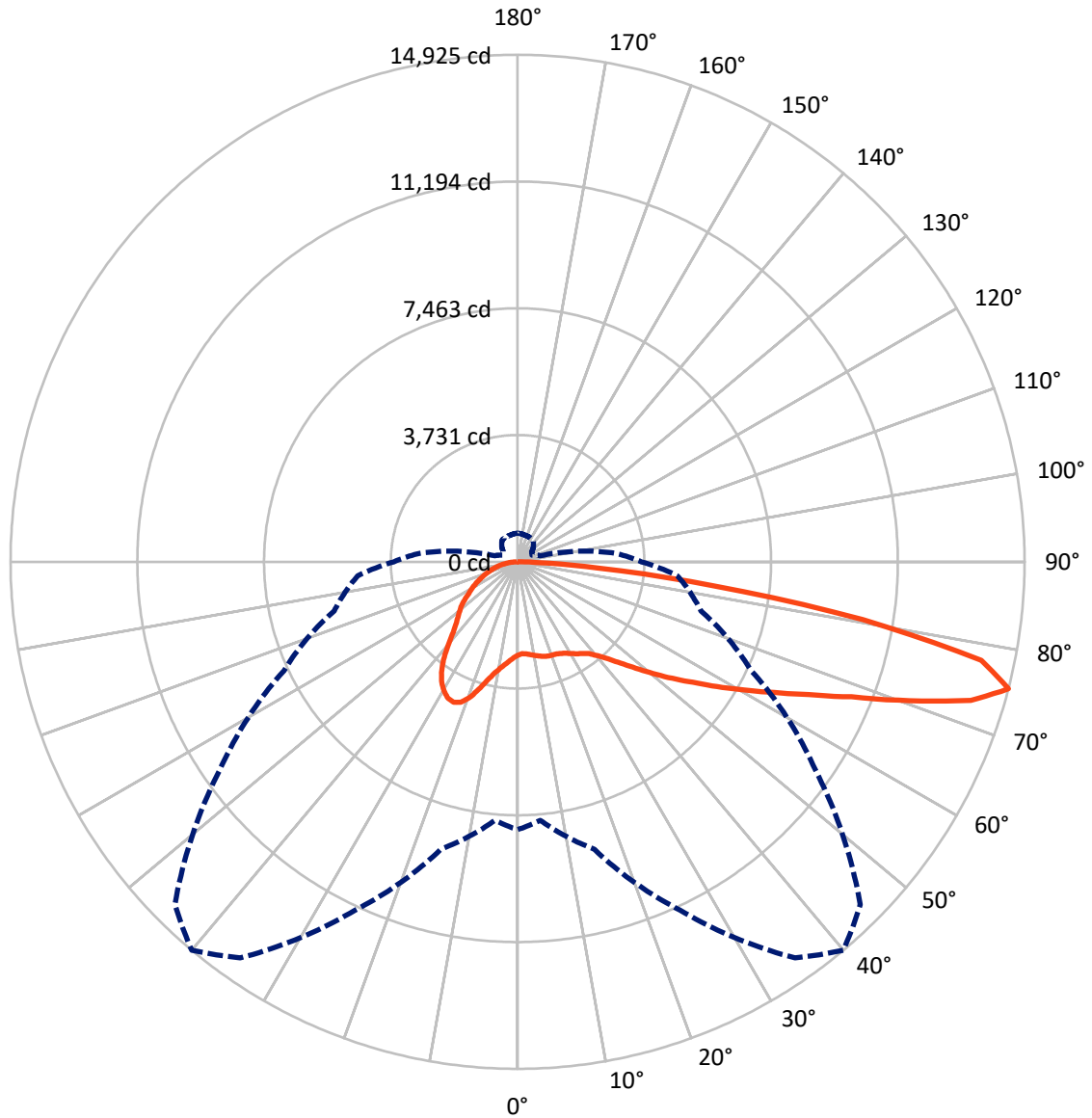
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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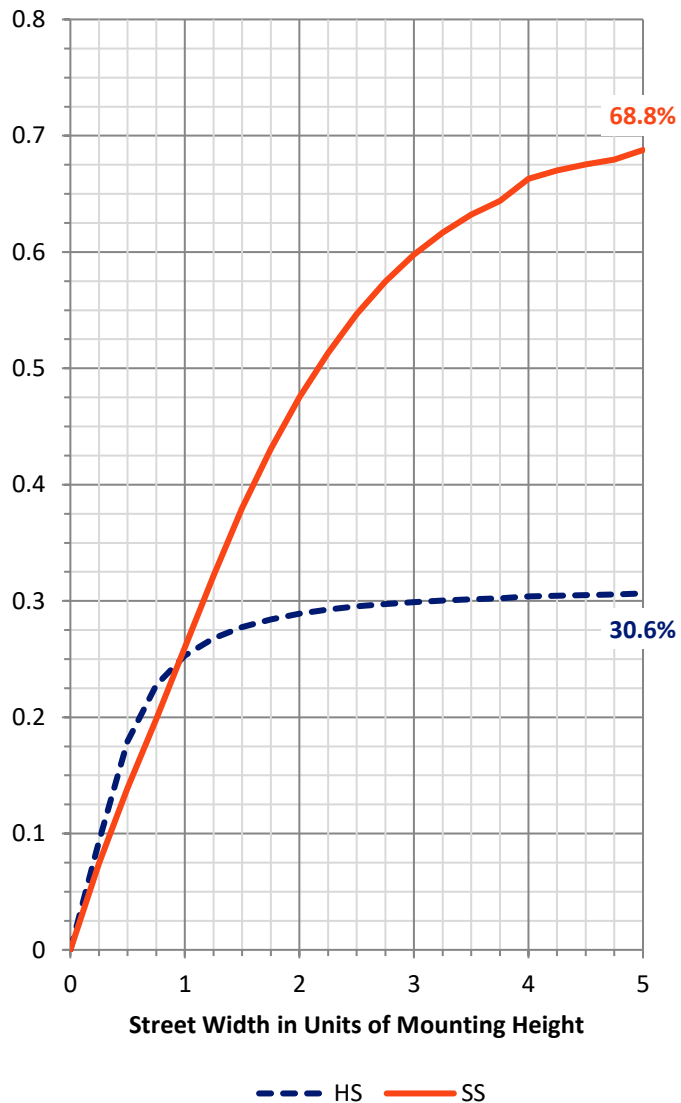
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7429.8	0.0	7429.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16550.2	0.0	16550.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	23980.0	0.0	23980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.1
10°-20°	919.0	3.8
20°-30°	1678.0	7.0
30°-40°	2379.9	9.9
40°-50°	3213.6	13.4
50°-60°	4323.1	18.0
60°-70°	5487.0	22.9
70°-80°	4979.8	20.8
80°-90°	725.9	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°	23980.0	100.0
0°-180°	23980.0	100.0

Coefficient of Utilization

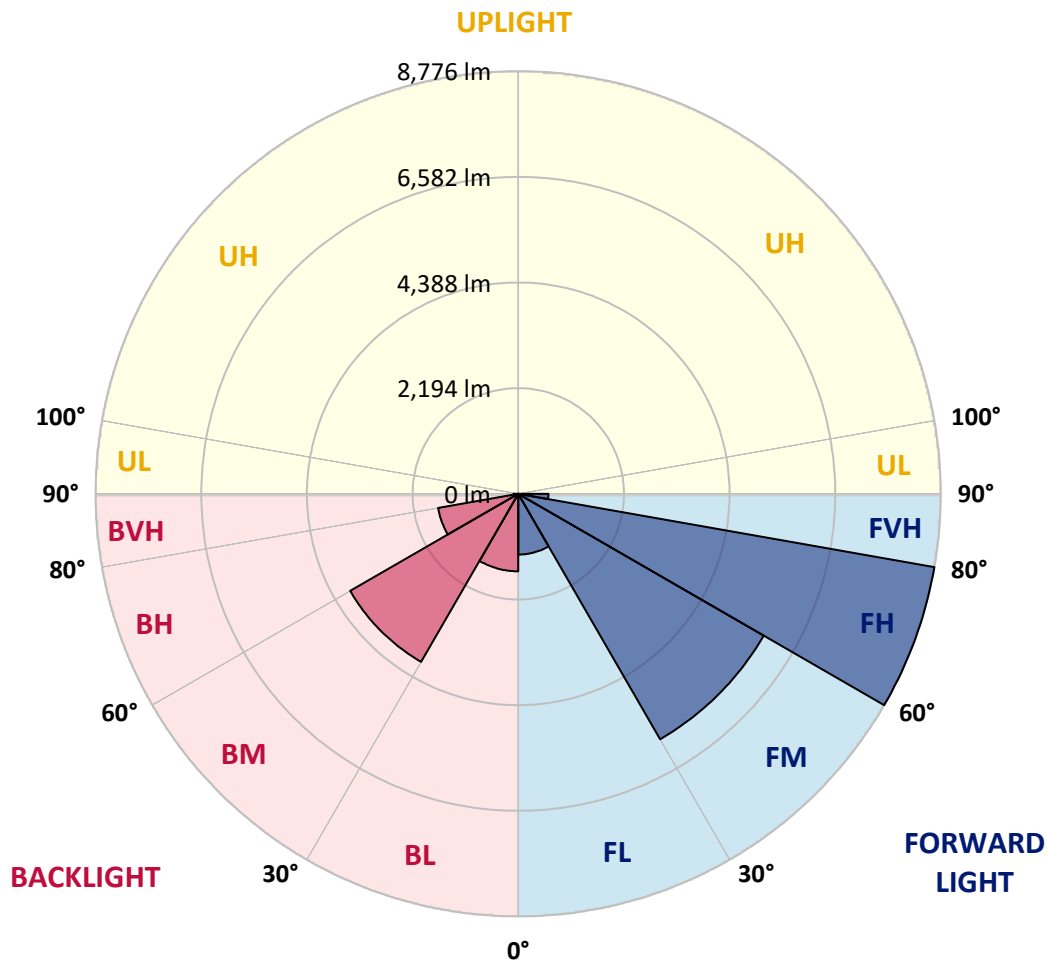


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1261.4	5.3			
FM (30°-60°)	5886.5	24.5			
FH (60°-80°)	8776.3	36.6			G4/12000
FVH (80°-90°)	626.0	2.6			G4/750
BL (0°-30°)	1609.4	6.7	B3/2500		
BM (30°-60°)	4030.0	16.8	B3/5000		
BH (60°-80°)	1690.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	99.9	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°	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1
2.5°	2700.2	2715.4	2711.6	2706.5	2706.5	2707.8	2706.5	2715.4	2724.3	2733.2
5°	2728.2	2743.4	2735.8	2729.4	2724.3	2723.1	2719.3	2718.0	2723.1	2734.5
7.5°	2782.8	2798.1	2786.7	2775.2	2765.0	2760.0	2754.9	2747.2	2743.4	2749.8
10°	2843.9	2859.2	2845.2	2824.8	2808.3	2801.9	2796.8	2789.2	2784.1	2787.9
12.5°	2904.9	2920.2	2901.1	2873.1	2851.5	2847.7	2841.4	2838.8	2837.5	2836.3
15°	2962.2	2974.9	2950.7	2917.7	2894.8	2888.4	2882.1	2885.9	2892.2	2899.9
17.5°	3006.7	3019.4	2983.8	2940.6	2918.9	2916.4	2912.6	2925.3	2943.1	2962.2
20°	3047.4	3060.1	3014.3	2955.8	2930.4	2930.4	2931.7	2958.4	2983.8	3011.8
22.5°	3104.6	3114.8	3058.8	2978.7	2941.8	2944.4	2954.5	2981.3	3013.1	3051.2
25°	3189.8	3197.5	3128.8	3022.0	2980.0	2987.6	2996.5	3009.2	3039.8	3084.3
27.5°	3327.2	3333.6	3243.3	3098.3	3034.7	3047.4	3060.1	3051.2	3065.2	3103.4
30°	3520.5	3524.3	3409.9	3217.8	3127.5	3133.9	3136.4	3099.5	3072.8	3103.4
32.5°	3749.5	3748.2	3612.1	3362.8	3233.1	3226.7	3205.1	3132.6	3070.3	3097.0
35°	4104.3	4090.3	3914.8	3566.3	3352.6	3313.2	3262.3	3169.5	3083.0	3090.6
37.5°	4691.9	4648.7	4405.7	3899.5	3530.7	3430.2	3355.2	3229.3	3111.0	3088.1
40°	5354.6	5299.9	5032.8	4356.1	3797.8	3636.3	3515.4	3314.5	3156.8	3099.5
42.5°	6140.6	6063.0	5775.5	4894.1	4136.1	3902.1	3720.2	3422.6	3224.2	3136.4
45°	7105.9	7002.9	6595.9	5500.8	4562.2	4250.6	4007.7	3586.7	3327.2	3207.6
47.5°	8081.4	8106.9	7528.2	6195.3	5073.5	4680.5	4367.6	3833.4	3477.3	3322.1
50°	9118.0	9135.8	8455.4	6964.7	5653.4	5166.3	4772.0	4109.4	3685.9	3484.9
52.5°	9926.9	9929.5	9297.3	7769.8	6257.6	5700.5	5208.3	4424.8	3927.5	3701.1
55°	10433.1	10426.8	9887.5	8531.7	6952.0	6261.4	5691.6	4783.5	4222.6	3955.5
57.5°	10800.7	10781.6	10294.5	9186.7	7692.3	6924.0	6238.5	5190.5	4571.1	4258.2
60°	10940.6	10929.2	10570.5	9752.7	8470.6	7656.6	6869.4	5645.8	4966.6	4615.6
62.5°	10994.0	11015.6	10841.4	10300.8	9303.7	8468.1	7562.5	6190.2	5411.8	5020.1
65°	11182.3	11221.7	11186.1	11018.2	10244.9	9418.2	8482.1	6837.6	5897.6	5453.8
67.5°	11554.9	11594.3	11609.6	11876.7	11394.7	10602.3	9629.3	7643.9	6466.2	5904.0
70°	11546.0	11534.6	11804.2	12559.7	12834.4	12241.7	11175.9	8636.0	7144.1	6277.9
72.5°	10509.4	10417.9	11055.1	12552.1	14032.5	13953.7	13064.6	9915.5	7729.1	6323.7
75°	7884.3	7640.1	8765.7	11312.0	14232.2	14925.4	14265.3	10709.1	7590.5	5587.3
77.5°	3371.7	3126.2	4452.8	8374.0	12737.7	13952.4	13163.8	9343.1	6059.2	3694.8
80°	882.7	881.4	1345.6	3796.5	8662.7	10303.4	9039.2	6033.7	3462.0	1320.2
82.5°	365.0	356.1	494.8	1476.6	4232.8	5781.9	4718.6	2691.3	1250.2	357.4
85°	136.1	134.8	240.4	510.0	1493.2	2384.8	1725.9	688.1	311.6	174.2
87.5°	38.2	36.9	52.1	176.8	363.8	552.0	295.1	113.2	87.8	68.7
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°
2742.1	0°	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1	2742.1
2747.2	2.5°	2751.0	2757.4	2768.9	2777.8	2789.2	2801.9	2819.7	2831.2	2842.6	2850.3
2753.6	5°	2762.5	2776.5	2805.7	2835.0	2869.3	2901.1	2938.0	2964.7	2986.3	2992.7
2776.5	7.5°	2787.9	2810.8	2860.4	2910.0	2964.7	3016.9	3070.3	3116.1	3153.0	3166.9
2817.2	10°	2832.4	2863.0	2932.9	3002.9	3075.4	3155.5	3224.2	3290.3	3342.5	3364.1
2865.5	12.5°	2888.4	2926.6	3018.1	3114.8	3215.3	3325.9	3415.0	3496.4	3561.2	3590.5
2932.9	15°	2960.9	3010.5	3127.5	3257.3	3404.8	3558.7	3671.9	3762.2	3834.7	3870.3
3002.9	17.5°	3039.8	3105.9	3253.4	3449.3	3660.4	3862.7	3994.9	4061.1	4136.1	4170.5
3067.7	20°	3116.1	3197.5	3408.6	3693.5	3974.6	4189.5	4296.4	4314.2	4319.3	4323.1
3128.8	22.5°	3194.9	3304.3	3603.2	4001.3	4302.7	4451.5	4466.8	4390.5	4283.6	4234.0
3188.6	25°	3281.4	3426.4	3857.6	4340.9	4585.1	4602.9	4485.9	4300.2	4098.0	4005.1
3236.9	27.5°	3365.4	3567.6	4162.8	4665.2	4788.6	4632.1	4380.3	4117.0	3872.8	3774.9
3271.2	30°	3449.3	3729.1	4499.9	4948.8	4881.4	4559.6	4213.7	3919.9	3674.4	3571.4
3301.8	32.5°	3534.5	3917.3	4887.8	5153.6	4864.9	4405.7	4006.4	3698.6	3482.4	3374.3
3328.5	35°	3631.2	4148.8	5255.4	5265.5	4754.2	4179.4	3732.9	3434.0	3245.8	3159.3
3360.3	37.5°	3757.1	4442.6	5579.7	5293.5	4560.9	3847.4	3393.3	3121.2	2966.0	2926.6
3407.3	40°	3913.5	4796.2	5827.7	5249.0	4274.7	3444.2	3022.0	2804.5	2716.7	2725.6
3470.9	42.5°	4117.0	5191.8	6001.9	5134.5	3876.7	3028.3	2696.4	2599.7	2641.7	2677.3
3566.3	45°	4381.6	5602.6	6110.0	4939.9	3426.4	2676.0	2504.3	2527.2	2559.0	2562.8
3720.2	47.5°	4719.9	6018.5	6181.3	4646.1	2967.3	2428.0	2382.2	2387.3	2380.9	2354.2
3950.4	50°	5142.2	6422.9	6244.9	4256.9	2576.8	2272.8	2211.8	2194.0	2106.2	2019.7
4256.9	52.5°	5622.9	6794.3	6271.6	3773.6	2272.8	2143.1	2043.9	1932.0	1767.9	1741.2
4642.3	55°	6157.1	7137.7	6202.9	3179.7	2017.2	1976.5	1826.4	1691.6	1673.8	1650.9
5149.8	57.5°	6795.6	7507.8	6063.0	2517.0	1755.2	1781.9	1635.6	1650.9	1619.1	1583.5
5802.3	60°	7493.8	7890.7	5817.5	1912.9	1484.3	1539.0	1586.0	1584.7	1575.8	1546.6
6490.3	62.5°	8122.1	8142.5	5334.2	1465.2	1246.4	1350.7	1479.2	1477.9	1470.3	1453.7
7208.9	65°	8496.1	8104.3	4527.8	1153.6	1050.6	1195.6	1334.2	1344.4	1345.6	1344.4
7749.5	67.5°	8429.9	7657.9	3421.3	918.3	889.0	1037.8	1190.5	1204.5	1214.6	1217.2
7818.2	70°	7682.1	6677.3	2230.9	732.6	745.3	899.2	1054.4	1068.4	1077.3	1087.4
6784.1	72.5°	5987.9	4909.4	1277.0	592.7	619.4	779.7	919.6	936.1	941.2	960.3
4721.2	75°	3649.0	2887.1	689.4	466.8	508.7	666.5	786.0	805.1	814.0	836.9
2318.6	77.5°	1734.8	1250.2	393.0	363.8	409.5	544.4	663.9	685.5	661.4	674.1
639.7	80°	586.3	464.2	248.0	277.3	312.9	424.8	531.6	553.3	502.4	499.8
212.4	82.5°	204.8	188.2	157.7	184.4	202.2	304.0	401.9	429.9	373.9	372.7
95.4	85°	80.1	76.3	87.8	100.5	120.8	187.0	264.5	278.5	230.2	185.7
28.0	87.5°	16.5	17.8	21.6	22.9	36.9	64.9	95.4	117.0	92.8	78.9
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°
2742.1
2845.2
2995.2
3168.2
3365.4
3590.5
3867.7
4169.2
4333.3
4248.0
4019.1
3786.3
3582.8
3388.3
3178.4
2954.5
2756.1
2710.3
2588.2
2374.6
2031.2
1750.1
1654.7
1577.1
1536.4
1447.4
1344.4
1219.7
1092.5
967.9
839.4
663.9
494.8
354.9
183.1
72.5
0.0

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