

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: P847933

Luminaire Tested: **GLAN-SB4B-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847933
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-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 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: 21953 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

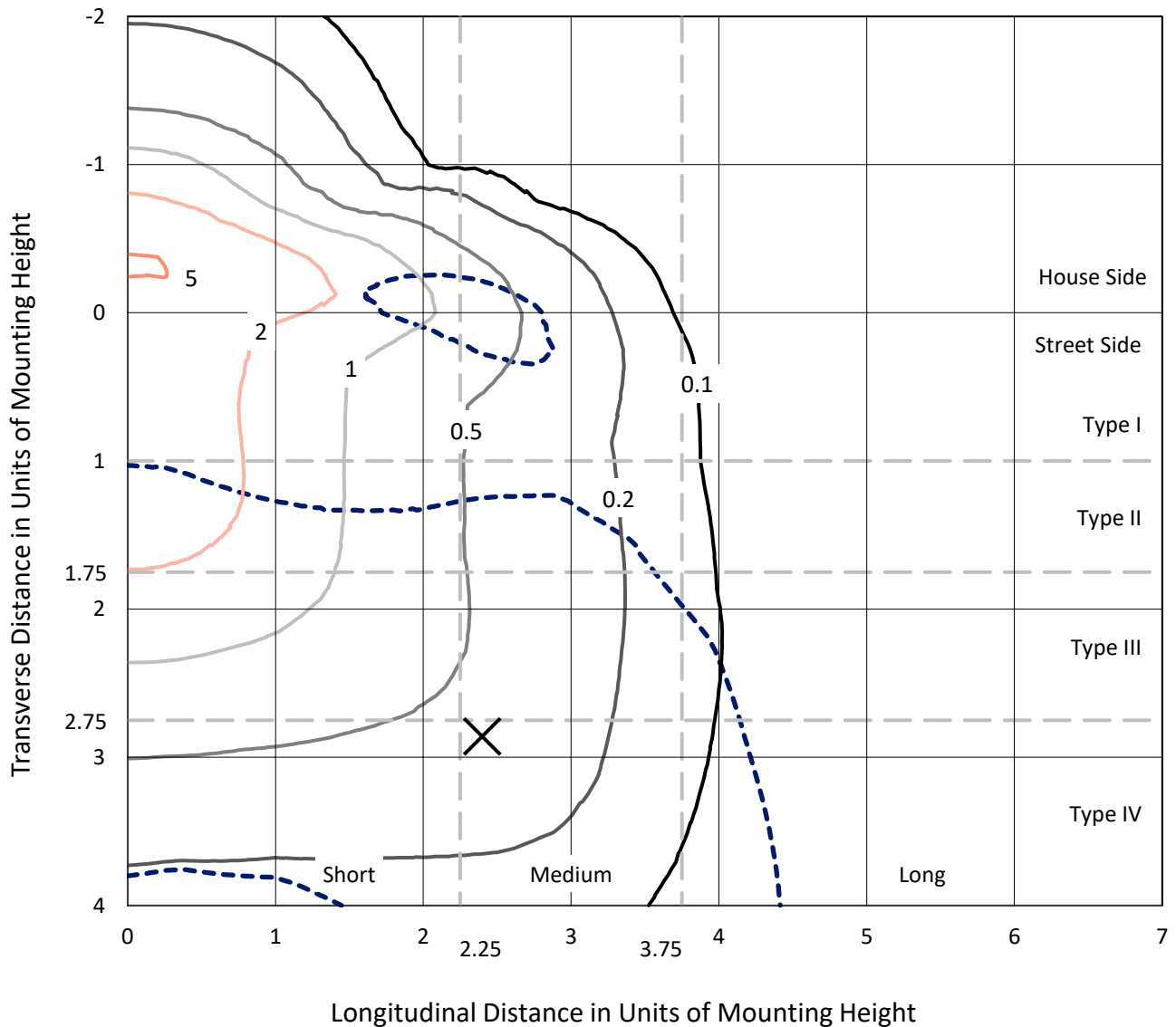
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

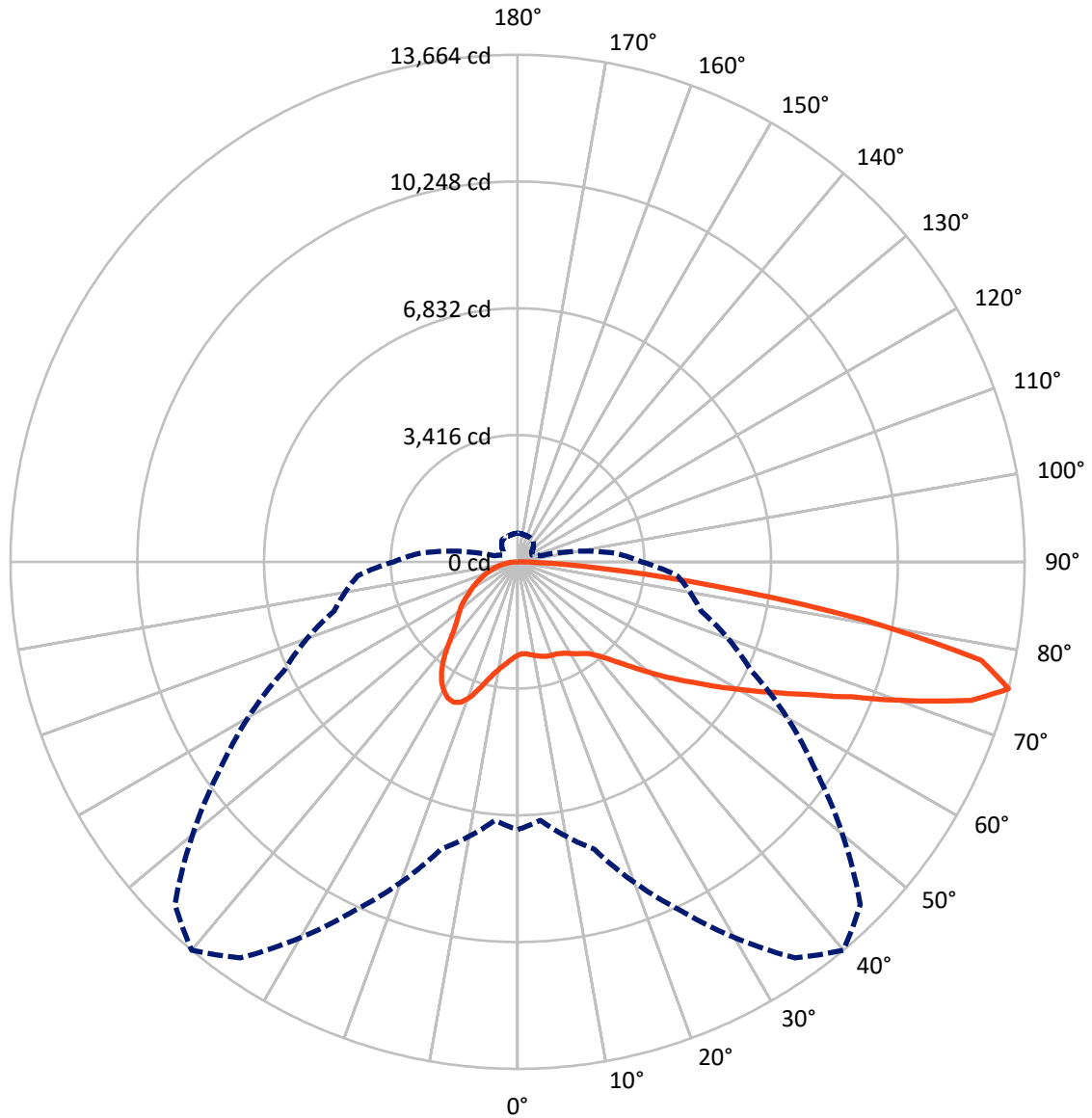
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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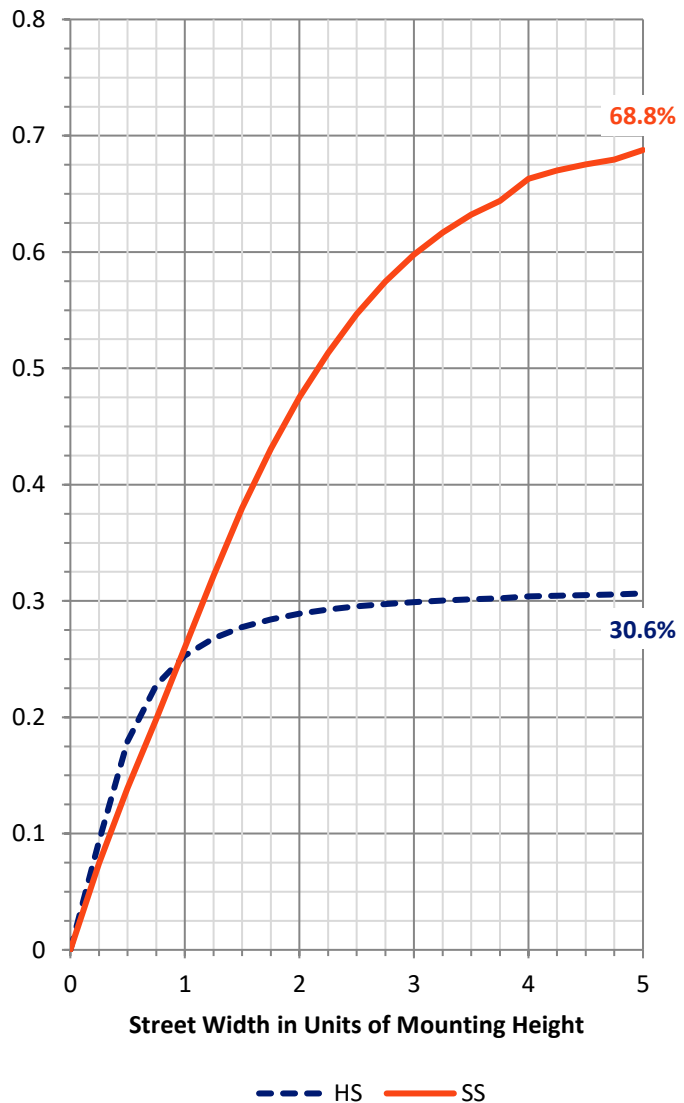
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6801.8	0.0	6801.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15151.2	0.0	15151.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	21953.0	0.0	21953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.6	1.1
10°-20°	841.3	3.8
20°-30°	1536.2	7.0
30°-40°	2178.7	9.9
40°-50°	2941.9	13.4
50°-60°	3957.7	18.0
60°-70°	5023.2	22.9
70°-80°	4558.9	20.8
80°-90°	664.5	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°	21953.0	100.0
0°-180°	21953.0	100.0

Coefficient of Utilization

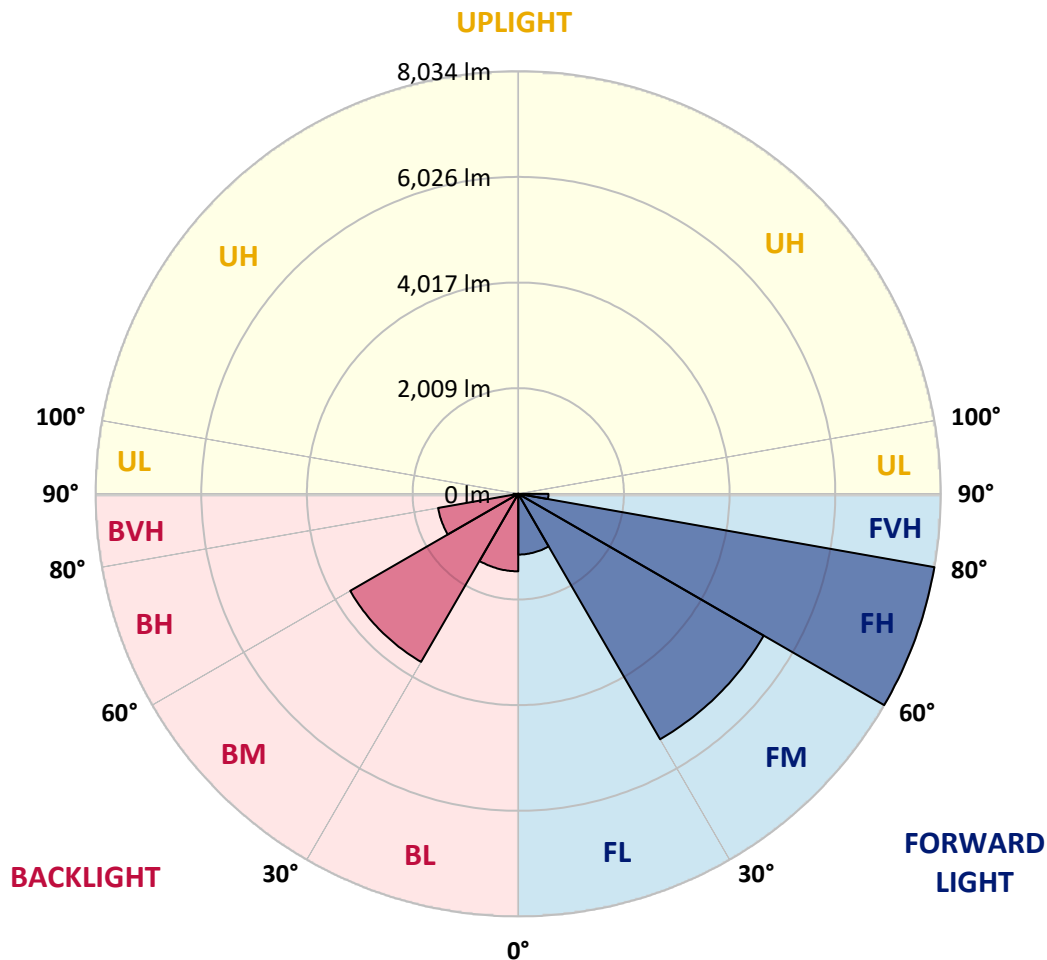


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1154.7	5.3			
FM (30°-60°)	5389.0	24.5			
FH (60°-80°)	8034.5	36.6			G4/12000
FVH (80°-90°)	573.0	2.6			G4/750
BL (0°-30°)	1473.3	6.7	B3/2500		
BM (30°-60°)	3689.3	16.8	B3/5000		
BH (60°-80°)	1547.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	91.5	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°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2471.9	2485.9	2482.4	2477.8	2477.8	2478.9	2477.8	2485.9	2494.1	2502.2
5°	2497.5	2511.5	2504.5	2498.7	2494.1	2492.9	2489.4	2488.2	2492.9	2503.4
7.5°	2547.6	2561.6	2551.1	2540.6	2531.3	2526.7	2522.0	2515.0	2511.5	2517.3
10°	2603.5	2617.5	2604.7	2586.0	2570.9	2565.1	2560.4	2553.4	2548.8	2552.3
12.5°	2659.4	2673.4	2655.9	2630.3	2610.5	2607.0	2601.2	2598.8	2597.7	2596.5
15°	2711.8	2723.4	2701.3	2671.0	2650.1	2644.3	2638.4	2641.9	2647.7	2654.7
17.5°	2752.5	2764.2	2731.6	2692.0	2672.2	2669.9	2666.4	2678.0	2694.3	2711.8
20°	2789.8	2801.4	2759.5	2706.0	2682.7	2682.7	2683.8	2708.3	2731.6	2757.2
22.5°	2842.2	2851.5	2800.3	2726.9	2693.2	2695.5	2704.8	2729.3	2758.4	2793.3
25°	2920.2	2927.2	2864.3	2766.5	2728.1	2735.1	2743.2	2754.9	2782.8	2823.6
27.5°	3046.0	3051.8	2969.1	2836.4	2778.2	2789.8	2801.4	2793.3	2806.1	2841.0
30°	3222.9	3226.4	3121.6	2945.8	2863.2	2869.0	2871.3	2837.5	2813.1	2841.0
32.5°	3432.5	3431.4	3306.8	3078.6	2959.8	2954.0	2934.2	2867.8	2810.8	2835.2
35°	3757.4	3744.6	3583.9	3264.9	3069.2	3033.2	2986.6	2901.6	2822.4	2829.4
37.5°	4295.3	4255.7	4033.3	3569.9	3232.3	3140.3	3071.6	2956.3	2848.0	2827.1
40°	4901.9	4851.9	4607.4	3987.9	3476.8	3328.9	3218.3	3034.3	2889.9	2837.5
42.5°	5621.5	5550.5	5287.3	4480.4	3786.5	3572.2	3405.7	3133.3	2951.6	2871.3
45°	6505.3	6411.0	6038.4	5035.8	4176.6	3891.3	3668.9	3283.5	3046.0	2936.5
47.5°	7398.3	7421.6	6891.8	5671.6	4644.6	4284.8	3998.4	3509.4	3183.4	3041.3
50°	8347.3	8363.6	7740.6	6376.0	5175.6	4729.6	4368.7	3762.0	3374.3	3190.3
52.5°	9087.8	9090.1	8511.5	7113.1	5728.6	5218.7	4768.0	4050.8	3595.5	3388.3
55°	9551.2	9545.4	9051.7	7810.5	6364.4	5732.1	5210.5	4379.1	3865.7	3621.2
57.5°	9887.7	9870.3	9424.3	8410.2	7042.0	6338.8	5711.2	4751.7	4184.7	3898.3
60°	10015.8	10005.3	9677.0	8928.3	7754.6	7009.4	6288.7	5168.6	4546.8	4225.5
62.5°	10064.7	10084.5	9925.0	9430.1	8517.3	7752.3	6923.3	5666.9	4954.3	4595.7
65°	10237.0	10273.1	10240.5	10086.8	9378.9	8622.1	7765.1	6259.6	5399.1	4992.8
67.5°	10578.2	10614.3	10628.3	10872.8	10431.5	9706.1	8815.4	6997.8	5919.6	5404.9
70°	10570.0	10559.6	10806.4	11498.0	11749.5	11206.9	10231.2	7906.0	6540.2	5747.3
72.5°	9621.1	9537.3	10120.6	11491.0	12846.4	12774.2	11960.3	9077.3	7075.8	5789.2
75°	7217.9	6994.3	8024.8	10355.8	13029.2	13663.7	13059.4	9803.9	6948.9	5115.0
77.5°	3086.7	2862.0	4076.4	7666.1	11661.0	12773.0	12051.1	8553.4	5547.0	3382.5
80°	808.1	806.9	1231.9	3475.6	7930.4	9432.5	8275.1	5523.7	3169.4	1208.6
82.5°	334.2	326.0	452.9	1351.8	3875.0	5293.2	4319.8	2463.8	1144.6	327.2
85°	124.6	123.4	220.1	466.9	1367.0	2183.2	1580.0	629.9	285.3	159.5
87.5°	34.9	33.8	47.7	161.8	333.0	505.3	270.1	103.6	80.3	62.9
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°
2510.4	0°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2515.0	2.5°	2518.5	2524.3	2534.8	2543.0	2553.4	2565.1	2581.4	2591.9	2602.3	2609.3
2520.8	5°	2529.0	2541.8	2568.6	2595.4	2626.8	2655.9	2689.7	2714.1	2733.9	2739.7
2541.8	7.5°	2552.3	2573.2	2618.6	2664.0	2714.1	2761.9	2810.8	2852.7	2886.4	2899.3
2579.1	10°	2593.0	2621.0	2685.0	2749.0	2815.4	2888.8	2951.6	3012.2	3059.9	3079.7
2623.3	12.5°	2644.3	2679.2	2763.0	2851.5	2943.5	3044.8	3126.3	3200.8	3260.2	3287.0
2685.0	15°	2710.6	2756.0	2863.2	2981.9	3117.0	3257.9	3361.5	3444.2	3510.5	3543.1
2749.0	17.5°	2782.8	2843.4	2978.4	3157.7	3351.0	3536.2	3657.2	3717.8	3786.5	3817.9
2808.4	20°	2852.7	2927.2	3120.5	3381.3	3638.6	3835.4	3933.2	3949.5	3954.2	3957.7
2864.3	22.5°	2924.9	3025.0	3298.6	3663.1	3939.0	4075.3	4089.2	4019.4	3921.6	3876.1
2919.0	25°	3004.0	3136.8	3531.5	3974.0	4197.5	4213.8	4106.7	3936.7	3751.6	3666.6
2963.3	27.5°	3080.9	3266.0	3810.9	4270.9	4383.8	4240.6	4010.0	3769.0	3545.5	3455.8
2994.7	30°	3157.7	3413.9	4119.5	4530.5	4468.8	4174.2	3857.5	3588.5	3363.8	3269.5
3022.7	32.5°	3235.7	3586.2	4474.6	4718.0	4453.7	4033.3	3667.7	3386.0	3188.0	3089.0
3047.1	35°	3324.2	3798.1	4811.1	4820.4	4352.4	3826.1	3417.4	3143.8	2971.4	2892.3
3076.2	37.5°	3439.5	4067.1	5108.0	4846.1	4175.4	3522.2	3106.5	2857.3	2715.3	2679.2
3119.3	40°	3582.7	4390.8	5335.1	4805.3	3913.4	3153.1	2766.5	2567.4	2487.1	2495.2
3177.5	42.5°	3769.0	4752.9	5494.6	4700.5	3549.0	2772.3	2468.4	2379.9	2418.4	2451.0
3264.9	45°	4011.2	5129.0	5593.6	4522.4	3136.8	2449.8	2292.6	2313.6	2342.7	2346.2
3405.7	47.5°	4320.9	5509.7	5658.8	4253.4	2716.4	2222.8	2180.8	2185.5	2179.7	2155.2
3616.5	50°	4707.5	5880.0	5717.0	3897.1	2359.0	2080.7	2024.8	2008.5	1928.2	1849.0
3897.1	52.5°	5147.6	6220.0	5741.4	3454.6	2080.7	1961.9	1871.1	1768.7	1618.5	1594.0
4249.9	55°	5636.7	6534.4	5678.6	2910.9	1846.7	1809.4	1672.0	1548.6	1532.3	1511.3
4714.5	57.5°	6221.2	6873.2	5550.5	2304.3	1606.8	1631.3	1497.4	1511.3	1482.2	1449.6
5311.8	60°	6860.4	7223.7	5325.8	1751.2	1358.8	1408.9	1452.0	1450.8	1442.6	1415.9
5941.7	62.5°	7435.6	7454.2	4883.3	1341.3	1141.1	1236.5	1354.1	1353.0	1346.0	1330.9
6599.6	65°	7777.9	7419.3	4145.1	1056.1	961.8	1094.5	1221.4	1230.7	1231.9	1230.7
7094.4	67.5°	7717.4	7010.6	3132.1	840.7	813.9	950.1	1089.8	1102.6	1112.0	1114.3
7157.3	70°	7032.7	6112.9	2042.3	670.7	682.3	823.2	965.3	978.1	986.2	995.5
6210.7	72.5°	5481.8	4494.4	1169.0	542.6	567.0	713.8	841.8	857.0	861.6	879.1
4322.1	75°	3340.5	2643.1	631.1	427.3	465.7	610.1	719.6	737.0	745.2	766.1
2122.6	77.5°	1588.2	1144.6	359.8	333.0	374.9	498.3	607.8	627.6	605.5	617.1
585.7	80°	536.8	425.0	227.0	253.8	286.4	388.9	486.7	506.5	459.9	457.6
194.4	82.5°	187.5	172.3	144.4	168.8	185.1	278.3	367.9	393.6	342.3	341.2
87.3	85°	73.4	69.9	80.3	92.0	110.6	171.2	242.2	255.0	210.7	170.0
25.6	87.5°	15.1	16.3	19.8	21.0	33.8	59.4	87.3	107.1	85.0	72.2
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°
2510.4
2604.7
2742.1
2900.4
3080.9
3287.0
3540.8
3816.8
3967.0
3889.0
3679.4
3466.3
3280.0
3101.8
2909.7
2704.8
2523.2
2481.2
2369.5
2173.9
1859.5
1602.2
1514.8
1443.8
1406.5
1325.0
1230.7
1116.6
1000.2
886.1
768.5
607.8
452.9
324.9
167.7
66.4
0.0

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