

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: P848073

Luminaire Tested: **GLAN-SB4C-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848073
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-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 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: 23266 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

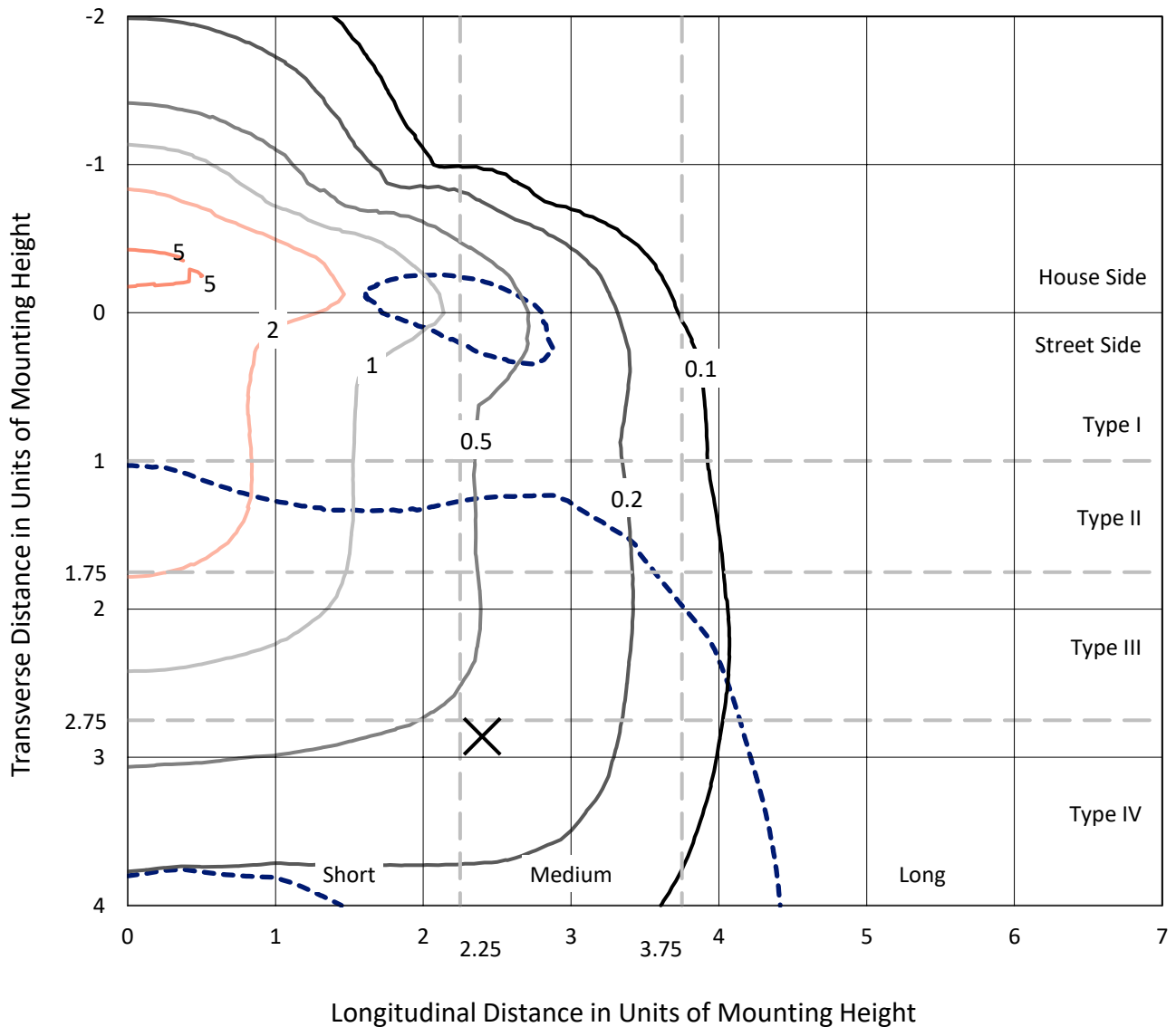
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

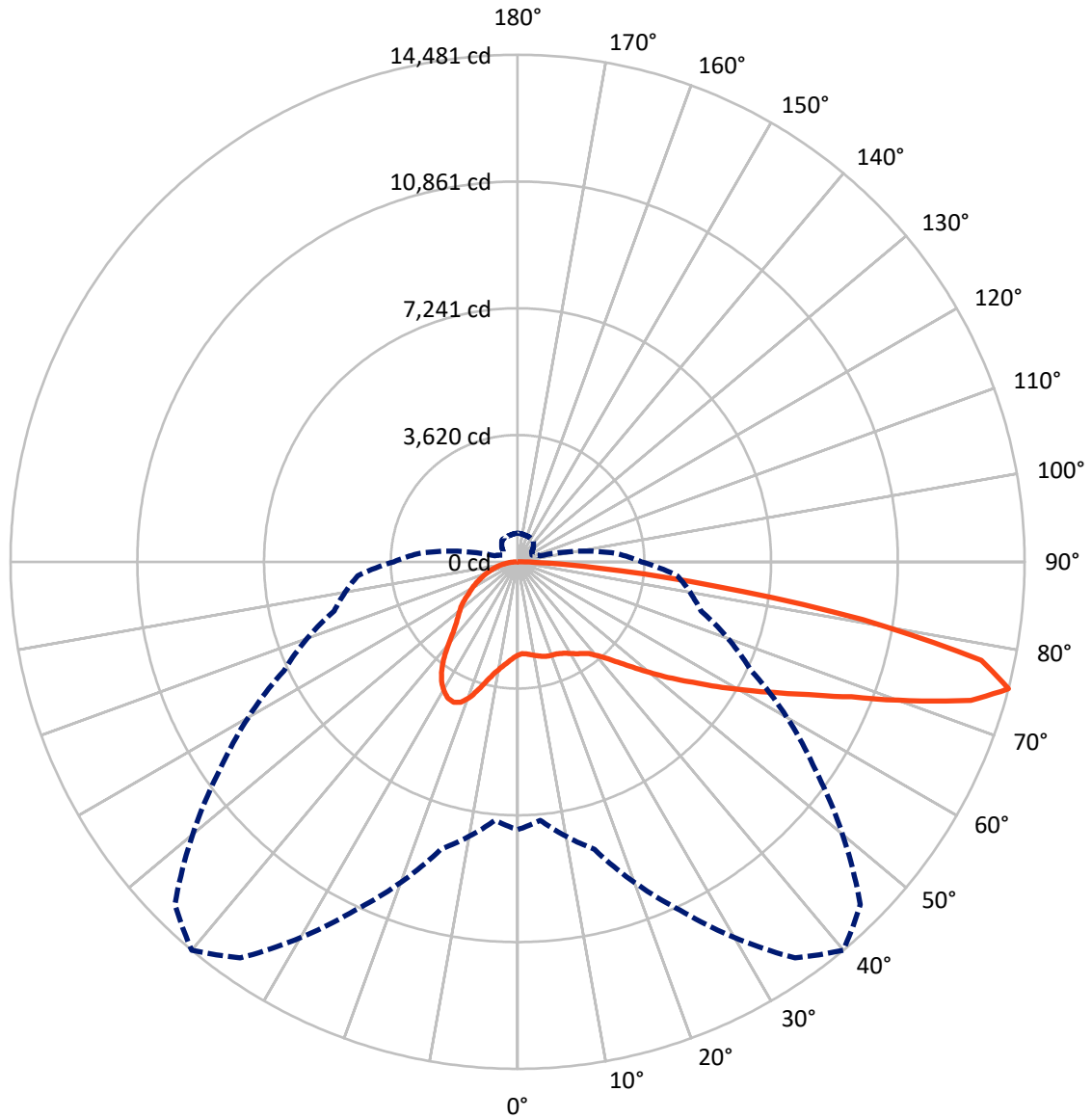
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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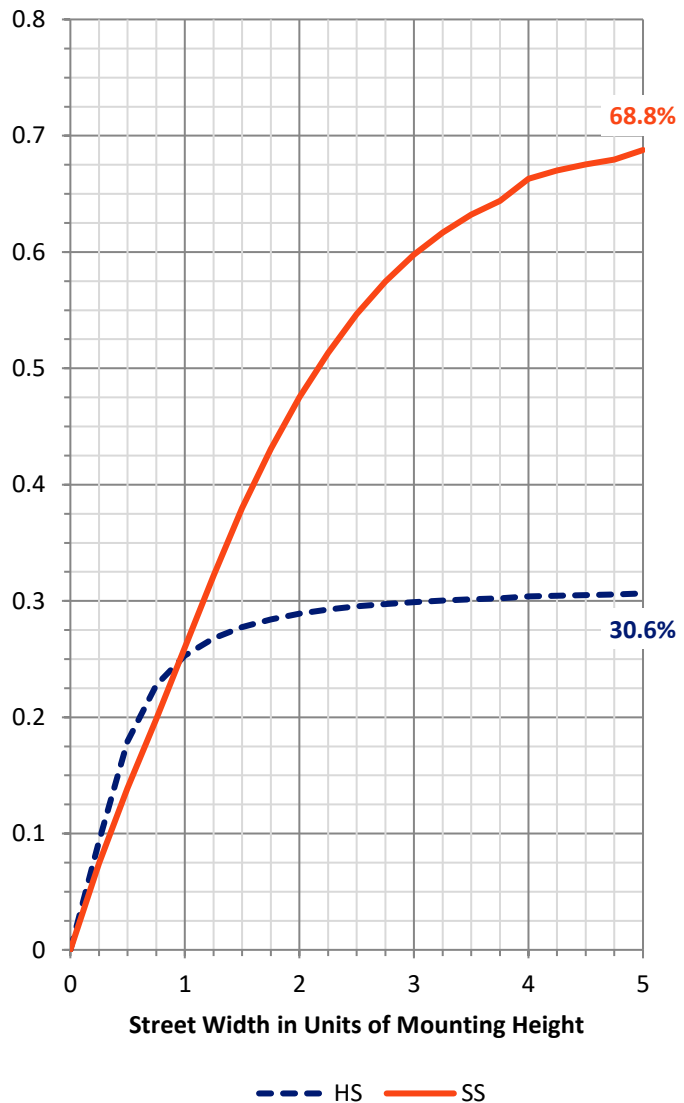
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7208.6	0.0	7208.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16057.4	0.0	16057.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	23266.0	0.0	23266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	1.1
10°-20°	891.6	3.8
20°-30°	1628.1	7.0
30°-40°	2309.0	9.9
40°-50°	3117.9	13.4
50°-60°	4194.4	18.0
60°-70°	5323.6	22.9
70°-80°	4831.5	20.8
80°-90°	704.3	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°	23266.0	100.0
0°-180°	23266.0	100.0

Coefficient of Utilization

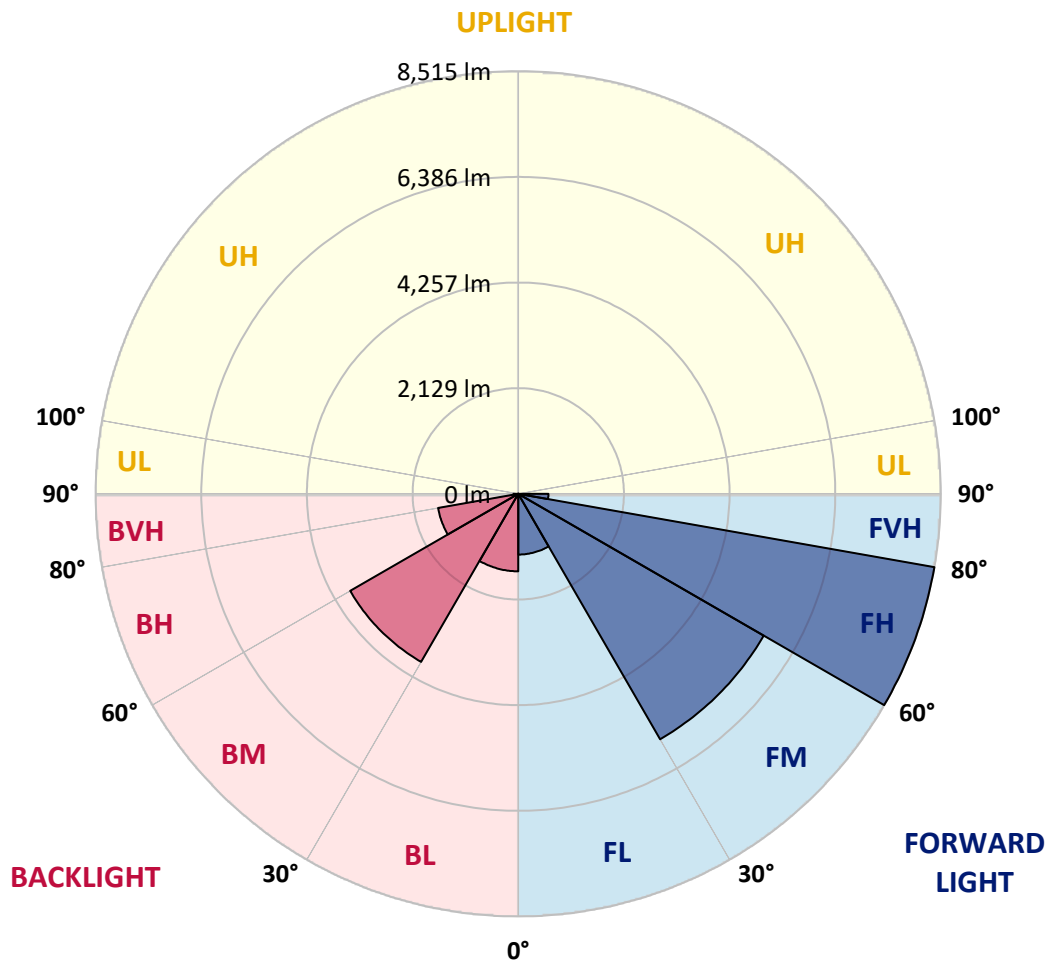


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.8	5.3			
FM (30°-60°)	5711.3	24.5			
FH (60°-80°)	8515.0	36.6			G4/12000
FVH (80°-90°)	607.3	2.6			G4/750
BL (0°-30°)	1561.4	6.7	B3/2500		
BM (30°-60°)	3910.0	16.8	B3/5000		
BH (60°-80°)	1640.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	97.0	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°	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5
2.5°	2619.8	2634.6	2630.9	2625.9	2625.9	2627.2	2625.9	2634.6	2643.2	2651.9
5°	2646.9	2661.7	2654.3	2648.2	2643.2	2642.0	2638.3	2637.1	2642.0	2653.1
7.5°	2700.0	2714.8	2703.7	2692.6	2682.7	2677.8	2672.8	2665.4	2661.7	2667.9
10°	2759.2	2774.0	2760.5	2740.7	2724.7	2718.5	2713.6	2706.2	2701.2	2704.9
12.5°	2818.4	2833.3	2814.7	2787.6	2766.6	2762.9	2756.7	2754.3	2753.0	2751.8
15°	2874.0	2886.3	2862.9	2830.8	2808.6	2802.4	2796.2	2799.9	2806.1	2813.5
17.5°	2917.2	2929.5	2895.0	2853.0	2832.0	2829.6	2825.9	2838.2	2855.5	2874.0
20°	2956.7	2969.0	2924.6	2867.8	2843.1	2843.1	2844.4	2870.3	2895.0	2922.1
22.5°	3012.2	3022.1	2967.8	2890.0	2854.2	2856.7	2866.6	2892.5	2923.3	2960.4
25°	3094.9	3102.3	3035.6	2932.0	2891.3	2898.7	2907.3	2919.6	2949.3	2992.4
27.5°	3228.1	3234.3	3146.7	3006.0	2944.3	2956.7	2969.0	2960.4	2973.9	3011.0
30°	3415.7	3419.4	3308.3	3122.0	3034.4	3040.6	3043.0	3007.3	2981.3	3011.0
32.5°	3637.8	3636.6	3504.6	3262.7	3136.8	3130.7	3109.7	3039.3	2978.9	3004.8
35°	3982.1	3968.5	3798.2	3460.1	3252.8	3214.6	3165.2	3075.1	2991.2	2998.6
37.5°	4552.2	4510.3	4274.6	3783.4	3425.6	3328.1	3255.3	3133.1	3018.4	2996.1
40°	5195.1	5142.1	4882.9	4226.4	3684.7	3528.0	3410.8	3215.8	3062.8	3007.3
42.5°	5957.7	5882.5	5603.6	4748.4	4013.0	3785.9	3609.4	3320.7	3128.2	3043.0
45°	6894.3	6794.4	6399.5	5337.0	4426.3	4124.0	3888.3	3479.9	3228.1	3112.1
47.5°	7840.8	7865.5	7304.0	6010.8	4922.4	4541.1	4237.5	3719.3	3373.7	3223.2
50°	8846.5	8863.8	8203.6	6757.4	5485.1	5012.5	4630.0	3987.0	3576.1	3381.2
52.5°	9631.3	9633.8	9020.5	7538.5	6071.3	5530.8	5053.2	4293.1	3810.6	3590.9
55°	10122.5	10116.3	9593.1	8277.7	6745.0	6075.0	5522.1	4641.1	4096.9	3837.7
57.5°	10479.1	10460.6	9988.0	8913.2	7463.2	6717.9	6052.8	5035.9	4435.0	4131.4
60°	10614.8	10603.7	10255.8	9462.3	8218.4	7428.7	6664.8	5477.7	4818.8	4478.2
62.5°	10666.7	10687.7	10518.6	9994.1	9026.7	8216.0	7337.3	6005.9	5250.7	4870.6
65°	10849.3	10887.6	10853.0	10690.1	9939.8	9137.7	8229.5	6634.0	5722.0	5291.4
67.5°	11210.9	11249.1	11263.9	11523.1	11055.4	10286.6	9342.6	7416.3	6273.6	5728.2
70°	11202.2	11191.1	11452.7	12185.7	12452.3	11877.2	10843.1	8378.8	6931.4	6091.0
72.5°	10196.5	10107.7	10725.9	12178.3	13614.7	13538.2	12675.6	9620.2	7499.0	6135.4
75°	7649.5	7412.6	8504.7	10975.2	13808.4	14481.0	13840.5	10390.3	7364.5	5420.9
77.5°	3271.3	3033.2	4320.2	8124.6	12358.5	13536.9	12771.9	9064.9	5878.8	3584.8
80°	856.4	855.2	1305.6	3683.5	8404.8	9996.6	8770.0	5854.1	3358.9	1280.9
82.5°	354.2	345.5	480.0	1432.7	4106.7	5609.8	4578.1	2611.1	1213.0	346.8
85°	132.0	130.8	233.2	494.8	1448.7	2313.7	1674.5	667.6	302.3	169.1
87.5°	37.0	35.8	50.6	171.5	352.9	535.6	286.3	109.8	85.1	66.6
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°
2660.5	0°	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5	2660.5
2665.4	2.5°	2669.1	2675.3	2686.4	2695.1	2706.2	2718.5	2735.8	2746.9	2758.0	2765.4
2671.6	5°	2680.2	2693.8	2722.2	2750.6	2783.9	2814.7	2850.5	2876.4	2897.4	2903.6
2693.8	7.5°	2704.9	2727.1	2775.3	2823.4	2876.4	2927.0	2978.9	3023.3	3059.1	3072.7
2733.3	10°	2748.1	2777.7	2845.6	2913.5	2983.8	3061.5	3128.2	3192.4	3242.9	3263.9
2780.2	12.5°	2802.4	2839.4	2928.3	3022.1	3119.5	3226.9	3313.3	3392.3	3455.2	3483.6
2845.6	15°	2872.7	2920.9	3034.4	3160.3	3303.4	3452.7	3562.6	3650.2	3720.5	3755.1
2913.5	17.5°	2949.3	3013.4	3156.6	3346.6	3551.4	3747.6	3876.0	3940.2	4013.0	4046.3
2976.4	20°	3023.3	3102.3	3307.1	3583.5	3856.2	4064.8	4168.4	4185.7	4190.7	4194.4
3035.6	22.5°	3099.8	3205.9	3495.9	3882.2	4174.6	4319.0	4333.8	4259.8	4156.1	4108.0
3093.6	25°	3183.7	3324.4	3742.7	4211.6	4448.6	4465.8	4352.3	4172.1	3975.9	3885.9
3140.5	27.5°	3265.2	3461.4	4038.9	4526.3	4646.0	4494.2	4249.9	3994.4	3757.5	3662.5
3173.8	30°	3346.6	3618.1	4365.9	4801.5	4736.1	4423.9	4088.2	3803.2	3565.0	3465.1
3203.5	32.5°	3429.3	3800.7	4742.3	5000.2	4720.0	4274.6	3887.1	3588.5	3378.7	3273.8
3229.4	35°	3523.1	4025.3	5098.9	5108.7	4612.7	4054.9	3621.8	3331.8	3149.2	3065.2
3260.2	37.5°	3645.2	4310.4	5413.5	5135.9	4425.1	3732.8	3292.3	3028.2	2877.7	2839.4
3305.9	40°	3797.0	4653.4	5654.2	5092.7	4147.5	3341.7	2932.0	2721.0	2635.8	2644.5
3367.6	42.5°	3994.4	5037.2	5823.2	4981.6	3761.2	2938.1	2616.1	2522.3	2563.0	2597.6
3460.1	45°	4251.1	5435.8	5928.1	4792.8	3324.4	2596.3	2429.7	2452.0	2482.8	2486.5
3609.4	47.5°	4579.4	5839.3	5997.2	4507.8	2878.9	2355.7	2311.3	2316.2	2310.0	2284.1
3832.8	50°	4989.1	6231.7	6058.9	4130.2	2500.1	2205.2	2145.9	2128.6	2043.5	1959.6
4130.2	52.5°	5455.5	6592.0	6084.8	3661.3	2205.2	2079.3	1983.0	1874.4	1715.3	1689.3
4504.1	55°	5973.8	6925.2	6018.2	3085.0	1957.1	1917.6	1772.0	1641.2	1623.9	1601.7
4996.5	57.5°	6593.2	7284.3	5882.5	2442.1	1702.9	1728.8	1586.9	1601.7	1570.9	1536.3
5629.5	60°	7270.7	7655.7	5644.3	1855.9	1440.1	1493.1	1538.8	1537.6	1528.9	1500.5
6297.1	62.5°	7880.3	7900.1	5175.4	1421.6	1209.3	1310.5	1435.1	1433.9	1426.5	1410.5
6994.3	65°	8243.1	7863.0	4393.0	1119.2	1019.3	1160.0	1294.5	1304.3	1305.6	1304.3
7518.7	67.5°	8178.9	7429.9	3319.5	890.9	862.6	1006.9	1155.0	1168.6	1178.5	1180.9
7585.4	70°	7453.3	6478.5	2164.4	710.8	723.1	872.4	1023.0	1036.6	1045.2	1055.1
6582.1	72.5°	5809.7	4763.2	1238.9	575.0	601.0	756.4	892.2	908.2	913.2	931.7
4580.6	75°	3540.3	2801.2	668.8	452.9	493.6	646.6	762.6	781.1	789.8	812.0
2249.6	77.5°	1683.2	1213.0	381.3	352.9	397.3	528.2	644.1	665.1	641.7	654.0
620.7	80°	568.9	450.4	240.6	269.0	303.6	412.2	515.8	536.8	487.4	485.0
206.1	82.5°	198.7	182.6	153.0	178.9	196.2	294.9	389.9	417.1	362.8	361.6
92.5	85°	77.7	74.0	85.1	97.5	117.2	181.4	256.7	270.2	223.4	180.2
27.1	87.5°	16.0	17.3	21.0	22.2	35.8	62.9	92.5	113.5	90.1	76.5
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°
2660.5
2760.5
2906.1
3073.9
3265.2
3483.6
3752.6
4045.0
4204.2
4121.6
3899.4
3673.6
3476.2
3287.4
3083.8
2866.6
2674.1
2629.6
2511.2
2303.9
1970.7
1698.0
1605.4
1530.2
1490.7
1404.3
1304.3
1183.4
1060.0
939.1
814.4
644.1
480.0
344.3
177.7
70.3
0.0

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