

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: P852865

Luminaire Tested: **GLAN-SB7A-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24656 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

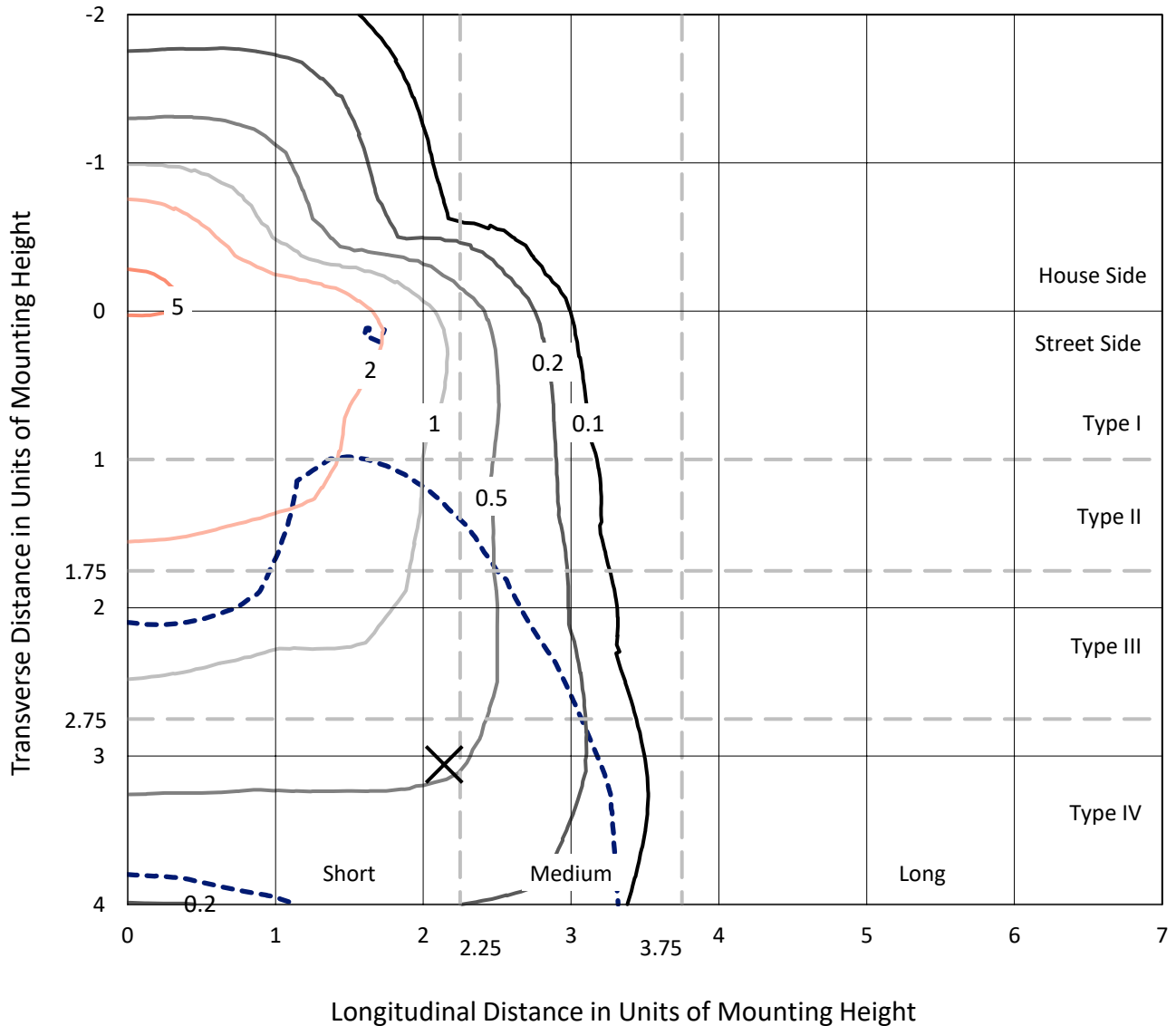
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

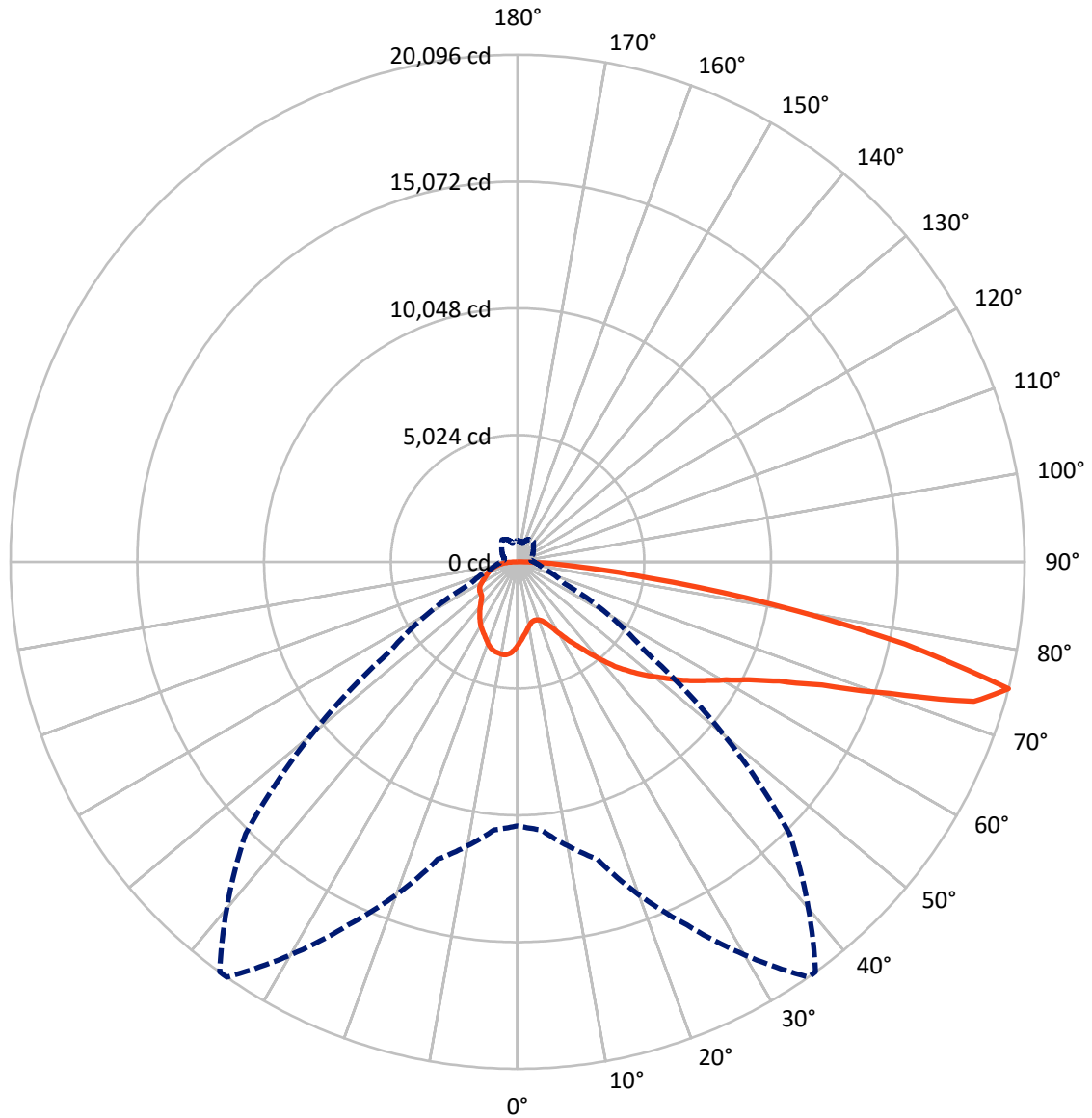
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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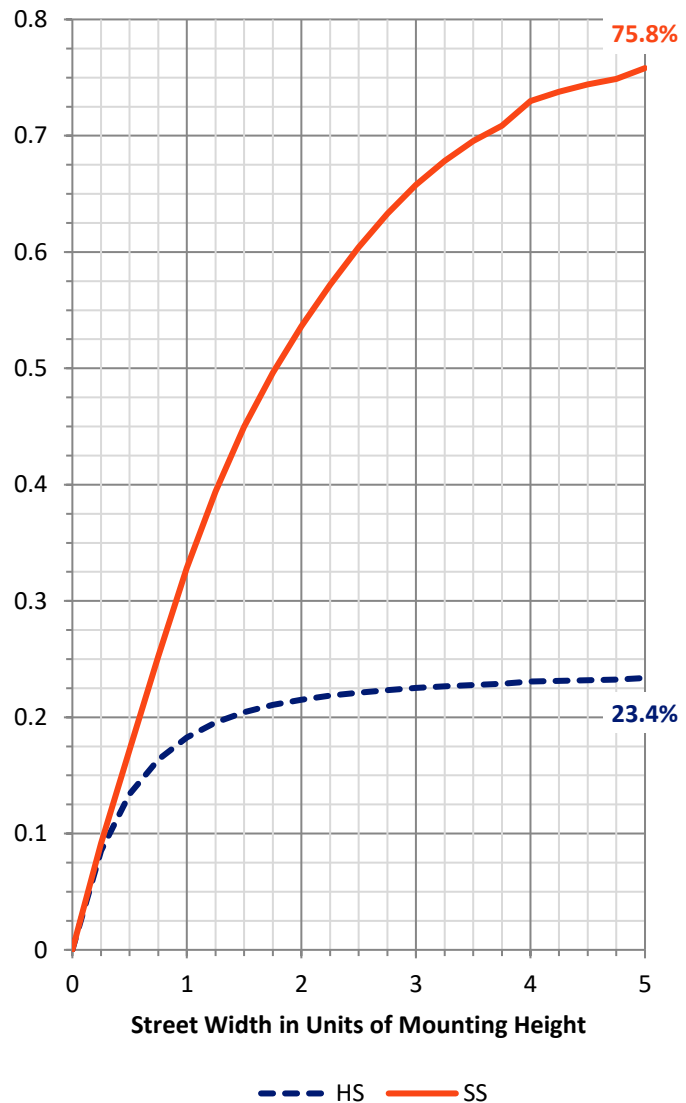
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5867.5	0.0	5867.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	18788.5	0.0	18788.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	24656.0	0.0	24656.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.1	1.3
10°-20°	897.3	3.6
20°-30°	1506.8	6.1
30°-40°	2341.7	9.5
40°-50°	3475.8	14.1
50°-60°	4798.5	19.5
60°-70°	5821.7	23.6
70°-80°	4811.2	19.5
80°-90°	692.0	2.8
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°	24656.0	100.0
0°-180°	24656.0	100.0

**Coefficient of Utilization**

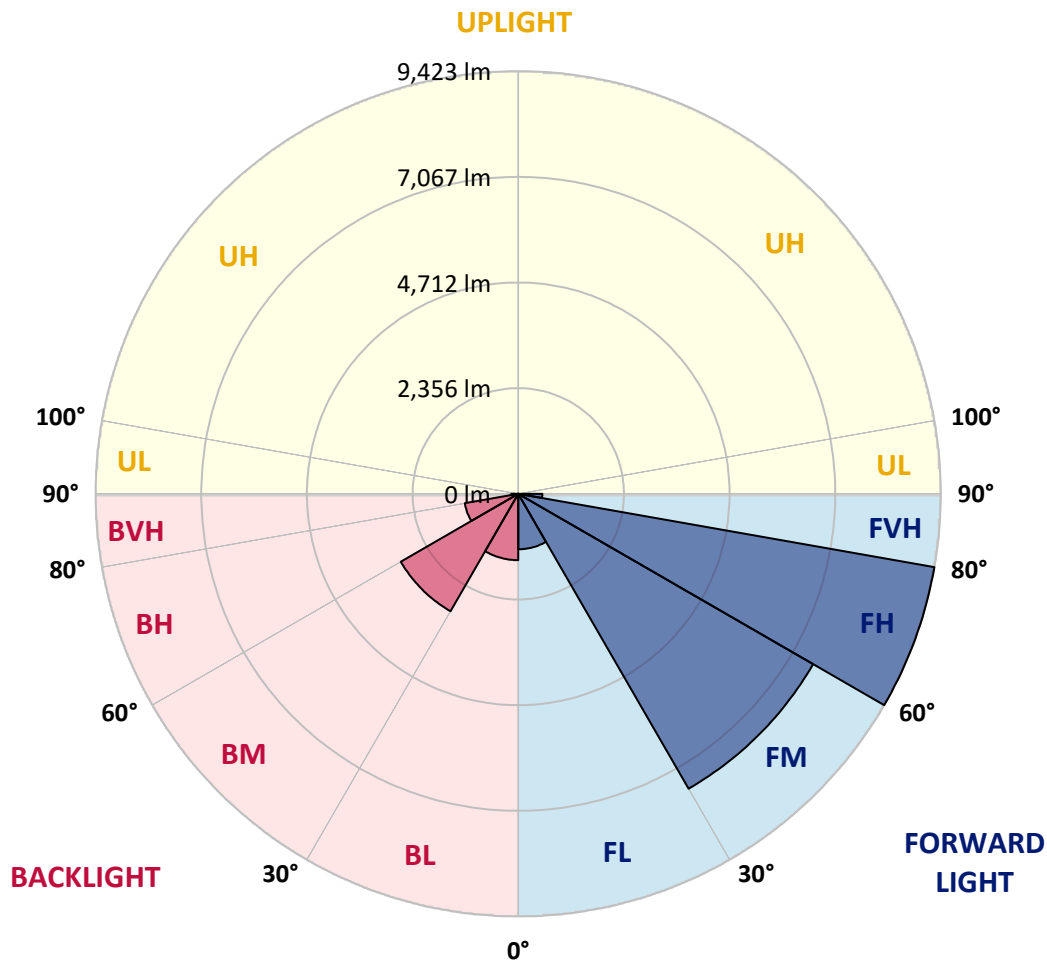


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1236.5	5.0			
FM (30°-60°)	7592.7	30.8			
FH (60°-80°)	9423.2	38.2			G4/12000
FVH (80°-90°)	536.2	2.2			G4/750
BL (0°-30°)	1478.7	6.0	B3/2500		
BM (30°-60°)	3023.3	12.3	B3/5000		
BH (60°-80°)	1209.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	155.8	0.6			G2/225
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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6
2.5°	3029.7	3048.3	3056.3	3052.3	3072.3	3069.7	3097.6	3132.3	3180.3	3226.9
5°	2796.4	2816.4	2833.7	2849.7	2888.4	2900.4	2944.4	3011.0	3099.0	3188.3
7.5°	2579.1	2596.5	2623.1	2652.5	2717.8	2729.8	2803.1	2907.0	3029.7	3160.3
10°	2401.9	2419.2	2447.2	2480.5	2561.8	2576.5	2669.8	2808.4	2968.4	3133.6
12.5°	2325.9	2331.2	2347.2	2380.5	2451.2	2460.5	2563.2	2721.8	2908.4	3113.6
15°	2321.9	2332.6	2333.9	2351.2	2409.9	2413.9	2508.5	2665.8	2871.0	3109.6
17.5°	2361.9	2369.9	2357.9	2368.5	2417.9	2424.5	2499.2	2639.1	2859.1	3127.0
20°	2468.5	2475.2	2439.2	2424.5	2460.5	2465.9	2539.2	2656.5	2871.0	3163.0
22.5°	2695.1	2699.1	2611.1	2551.2	2553.8	2556.5	2620.5	2727.1	2917.7	3228.3
25°	3048.3	3045.7	2905.7	2789.7	2723.1	2708.4	2751.1	2841.7	2996.3	3314.9
27.5°	3461.5	3441.5	3301.6	3128.3	2983.0	2961.7	2952.4	2991.0	3108.3	3429.5
30°	3928.0	3909.4	3758.8	3532.2	3330.9	3296.2	3208.3	3188.3	3274.9	3585.5
32.5°	4439.9	4427.9	4247.9	3973.4	3704.1	3664.1	3516.2	3462.9	3530.8	3821.4
35°	4869.1	4858.4	4709.1	4426.5	4097.3	4048.0	3897.4	3837.4	3872.1	4124.0
37.5°	5256.9	5251.6	5123.6	4901.0	4561.2	4501.2	4331.9	4311.9	4305.2	4522.5
40°	5616.8	5603.5	5470.2	5352.9	5101.0	5046.3	4897.0	4879.7	4829.1	5013.0
42.5°	6015.3	5980.7	5787.4	5732.8	5664.8	5619.5	5530.2	5532.8	5420.9	5566.2
45°	6340.6	6320.6	6122.0	6090.0	6163.3	6144.6	6221.9	6241.9	6024.7	6146.0
47.5°	6689.8	6671.1	6503.2	6480.5	6679.1	6684.5	6957.7	6964.4	6613.8	6748.4
50°	7120.3	7093.7	6927.0	6955.0	7177.6	7197.6	7697.5	7652.1	7156.3	7360.2
52.5°	7404.2	7420.2	7384.2	7429.5	7733.4	7752.1	8425.2	8309.2	7693.5	7964.0
55°	7613.5	7645.5	7757.4	7861.4	8319.9	8338.6	9111.6	8934.4	8138.6	8523.8
57.5°	7882.7	7837.4	8046.7	8249.3	8877.1	8926.4	9779.4	9536.8	8533.2	9006.4
60°	8269.3	8237.3	8399.9	8699.8	9500.9	9579.5	10485.9	10079.3	8822.4	9388.9
62.5°	9053.0	8973.0	8998.4	9263.6	10287.3	10391.2	11282.9	10552.5	8966.4	9538.2
65°	10224.6	10087.3	9959.4	10143.3	11394.9	11497.5	12182.6	10924.4	8913.0	9248.9
67.5°	11700.1	11564.2	11406.9	11580.2	13026.4	13107.7	13292.9	11133.6	8493.2	8134.6
70°	12917.1	12866.4	13054.3	13767.4	15632.2	15634.8	14716.5	10960.4	7342.9	5767.4
72.5°	12755.8	12725.1	13715.5	15920.1	18916.4	18845.8	16064.0	9648.8	4946.4	2601.8
75°	10464.5	10663.1	12197.3	15881.4	20096.0	20086.7	15239.0	6134.0	2046.0	1078.3
77.5°	5611.5	5926.0	7918.7	11725.5	15688.1	15924.1	10713.8	2146.0	878.4	690.4
80°	1830.1	2104.6	3156.3	5970.0	10194.0	10150.0	4591.8	842.4	601.1	489.2
82.5°	777.1	809.1	1410.2	2819.1	5231.6	5150.3	1462.2	483.8	422.5	334.6
85°	303.9	339.9	622.5	1303.6	2265.9	2216.6	527.8	239.9	270.6	218.6
87.5°	100.0	121.3	222.6	446.5	705.1	679.8	129.3	82.6	117.3	100.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3285.6	0°	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6	3285.6
3294.9	2.5°	3313.6	3334.9	3360.2	3397.5	3429.5	3456.2	3484.2	3501.5	3508.2	3528.2
3300.2	5°	3337.6	3384.2	3446.9	3508.2	3568.2	3604.1	3636.1	3652.1	3666.8	3677.4
3314.9	7.5°	3377.5	3437.5	3536.2	3616.1	3666.8	3696.1	3717.4	3712.1	3717.4	3720.1
3330.9	10°	3412.2	3496.2	3613.5	3689.4	3728.1	3729.4	3724.1	3705.4	3696.1	3697.4
3354.9	12.5°	3453.5	3546.8	3673.5	3737.4	3748.1	3718.8	3696.1	3664.1	3652.1	3646.8
3390.9	15°	3509.5	3616.1	3738.8	3762.8	3736.1	3698.8	3660.1	3608.1	3581.5	3560.2
3452.2	17.5°	3577.5	3694.8	3789.4	3772.1	3714.8	3653.5	3590.8	3512.2	3457.5	3434.9
3536.2	20°	3672.1	3777.4	3828.1	3752.1	3665.5	3572.2	3465.5	3369.6	3318.9	3296.2
3642.8	22.5°	3786.7	3888.0	3865.4	3717.4	3594.8	3445.5	3312.2	3241.6	3216.3	3200.3
3780.1	25°	3924.0	4010.7	3892.0	3666.8	3478.8	3277.6	3174.9	3152.3	3140.3	3128.3
3948.0	27.5°	4102.6	4149.3	3912.0	3592.1	3297.6	3099.0	3061.7	3065.7	3061.7	3041.7
4181.3	30°	4338.6	4329.2	3930.7	3470.9	3089.6	2937.7	2940.4	2957.7	2960.4	2947.0
4506.5	32.5°	4649.1	4554.5	3940.0	3313.6	2891.0	2796.4	2799.1	2817.7	2831.1	2808.4
4931.7	35°	5025.0	4817.1	3925.4	3116.3	2737.8	2661.8	2641.8	2647.1	2651.1	2629.8
5447.5	37.5°	5463.5	5111.6	3860.1	2897.7	2611.1	2529.8	2487.2	2451.2	2429.9	2409.9
6031.3	40°	5944.7	5432.9	3740.1	2684.4	2469.8	2389.9	2325.9	2257.9	2185.9	2159.3
6649.8	42.5°	6448.5	5763.4	3594.8	2480.5	2307.2	2241.9	2173.9	2075.3	1967.3	1912.7
7292.3	45°	6971.0	6102.0	3452.2	2279.2	2140.6	2112.6	2034.0	1915.4	1798.1	1728.8
7936.0	47.5°	7482.9	6421.9	3242.9	2076.6	1984.7	2015.3	1954.0	1844.7	1714.1	1604.8
8574.5	50°	7972.0	6721.8	2900.4	1871.4	1858.1	1986.0	1927.4	1770.1	1620.8	1480.8
9201.0	52.5°	8457.2	6964.4	2461.9	1684.8	1790.1	1978.0	1892.7	1719.4	1536.8	1390.2
9790.1	55°	8869.1	7089.7	2039.3	1524.8	1691.4	1910.0	1851.4	1659.5	1418.2	1262.2
10194.0	57.5°	9103.7	6988.4	1687.4	1367.5	1555.5	1798.1	1780.7	1531.5	1276.9	1157.0
10272.6	60°	9002.4	6577.8	1399.5	1230.3	1426.2	1676.8	1658.1	1404.9	1168.9	1055.7
9851.4	62.5°	8443.9	5795.4	1171.6	1110.3	1308.9	1552.8	1535.5	1307.6	1086.3	977.0
8733.1	65°	7318.9	4714.4	994.3	1010.3	1190.3	1403.5	1428.9	1226.3	1021.0	914.4
6756.4	67.5°	5582.2	3414.9	855.7	923.7	1074.3	1256.9	1330.2	1167.6	966.3	865.0
3909.4	70°	3181.6	1939.4	738.4	839.7	971.7	1121.0	1254.3	1121.0	907.7	823.7
1464.8	72.5°	1206.3	890.4	638.5	755.7	873.0	1006.3	1170.3	1047.7	839.7	777.1
757.1	75°	643.8	542.5	537.2	657.1	759.7	894.4	1065.0	975.7	789.1	821.1
523.8	77.5°	438.5	383.9	449.2	562.5	635.8	770.4	953.0	866.4	683.8	681.1
362.5	80°	303.9	271.9	365.2	453.2	491.8	647.8	831.7	743.8	557.1	519.8
223.9	82.5°	182.6	177.3	273.2	338.6	347.9	499.8	689.1	623.8	455.8	397.2
133.3	85°	100.0	105.3	174.6	198.6	202.6	349.2	539.8	482.5	350.6	294.6
48.0	87.5°	28.0	36.0	64.0	78.6	97.3	181.3	321.2	286.6	175.9	122.6
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°
3285.6
3526.8
3680.1
3724.1
3700.1
3644.1
3566.8
3436.2
3293.6
3202.9
3128.3
3045.7
2953.7
2819.1
2644.5
2423.2
2171.3
1919.4
1723.4
1592.8
1468.8
1374.2
1248.9
1141.0
1039.7
959.7
897.0
849.1
813.1
766.4
847.7
627.8
497.2
399.9
297.2
122.6
0.0

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