

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: P847563

Luminaire Tested: **GLAN-SB3D-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847563  
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-SB3D-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23667 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

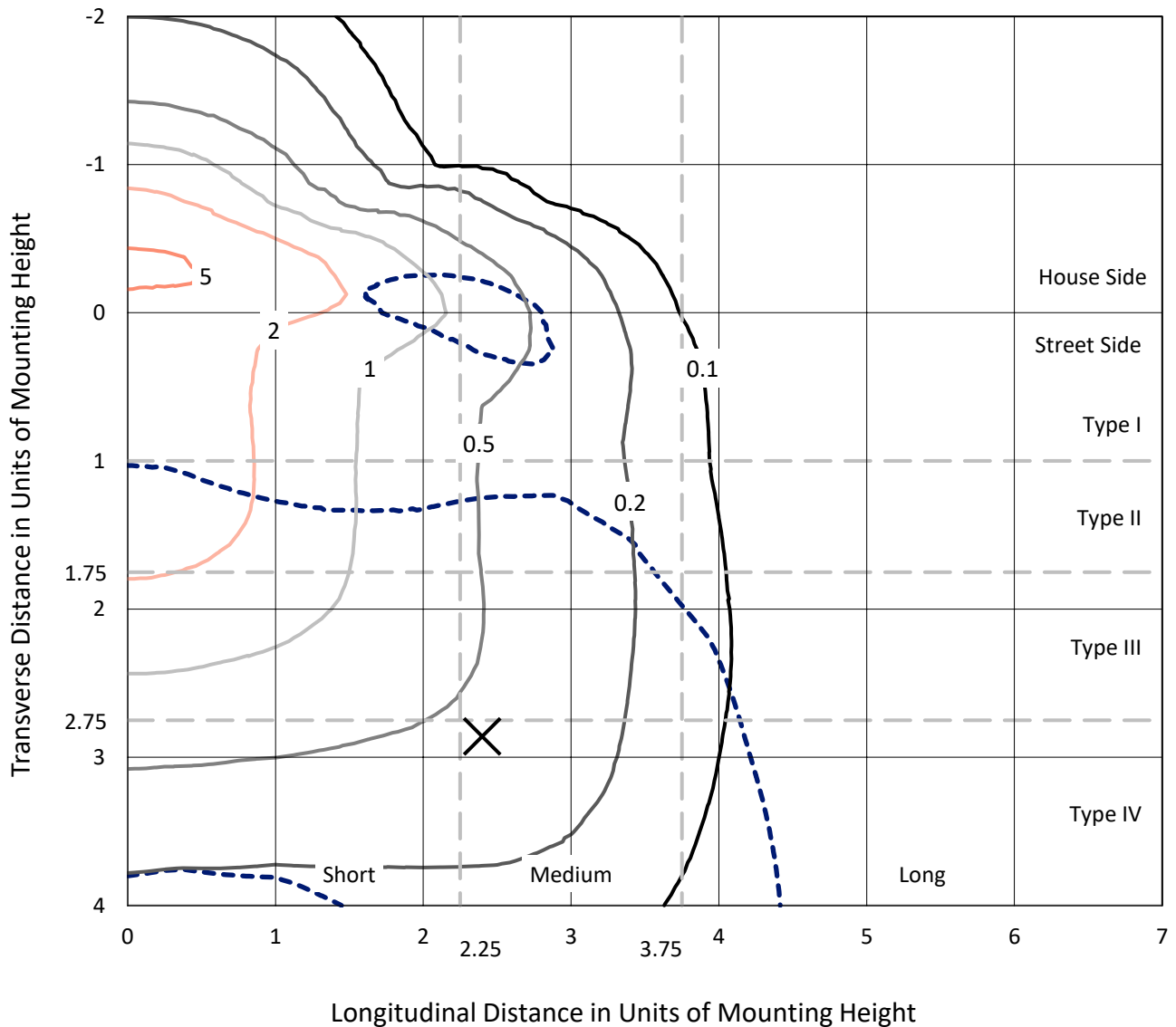
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

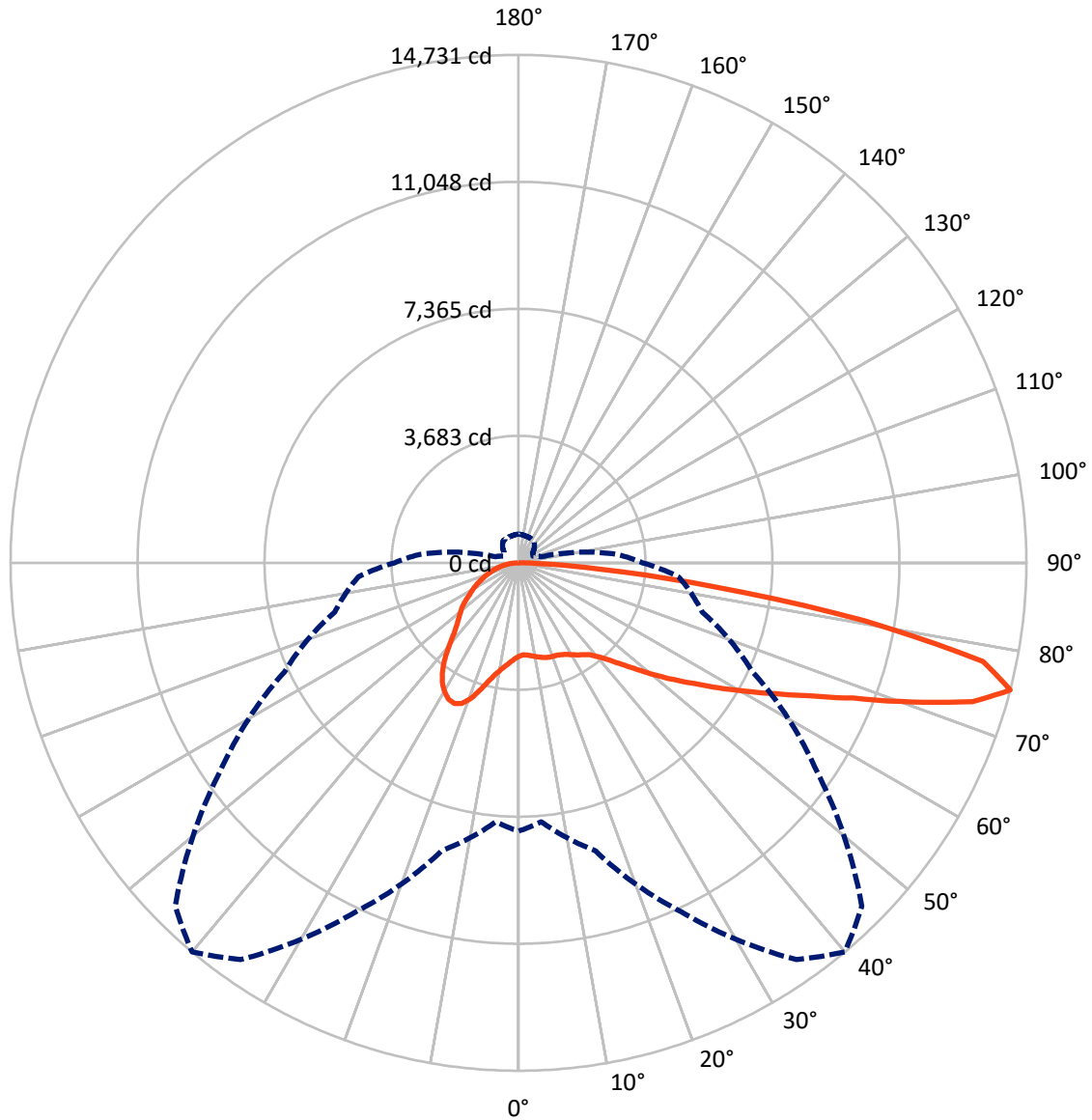
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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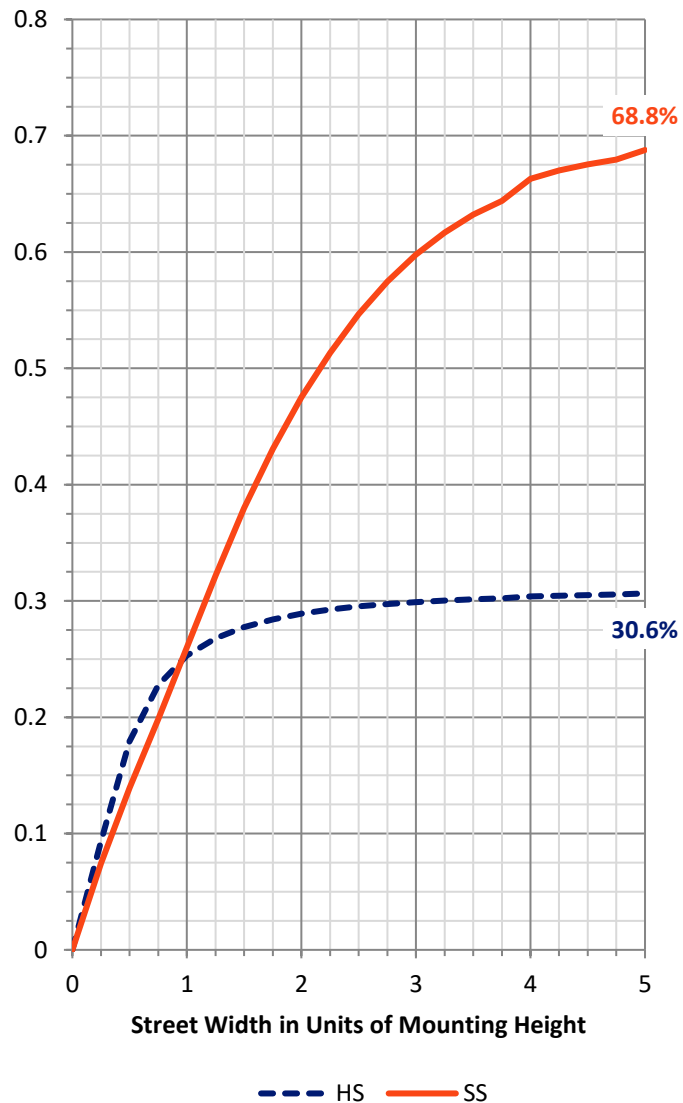
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7332.8	0.0	7332.8
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	16334.2	0.0	16334.2
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	23667.0	0.0	23667.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.1	1.1
10°-20°	907.0	3.8
20°-30°	1656.1	7.0
30°-40°	2348.8	9.9
40°-50°	3171.6	13.4
50°-60°	4266.7	18.0
60°-70°	5415.4	22.9
70°-80°	4914.8	20.8
80°-90°	716.4	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°	23667.0	100.0
0°-180°	23667.0	100.0

**Coefficient of Utilization**

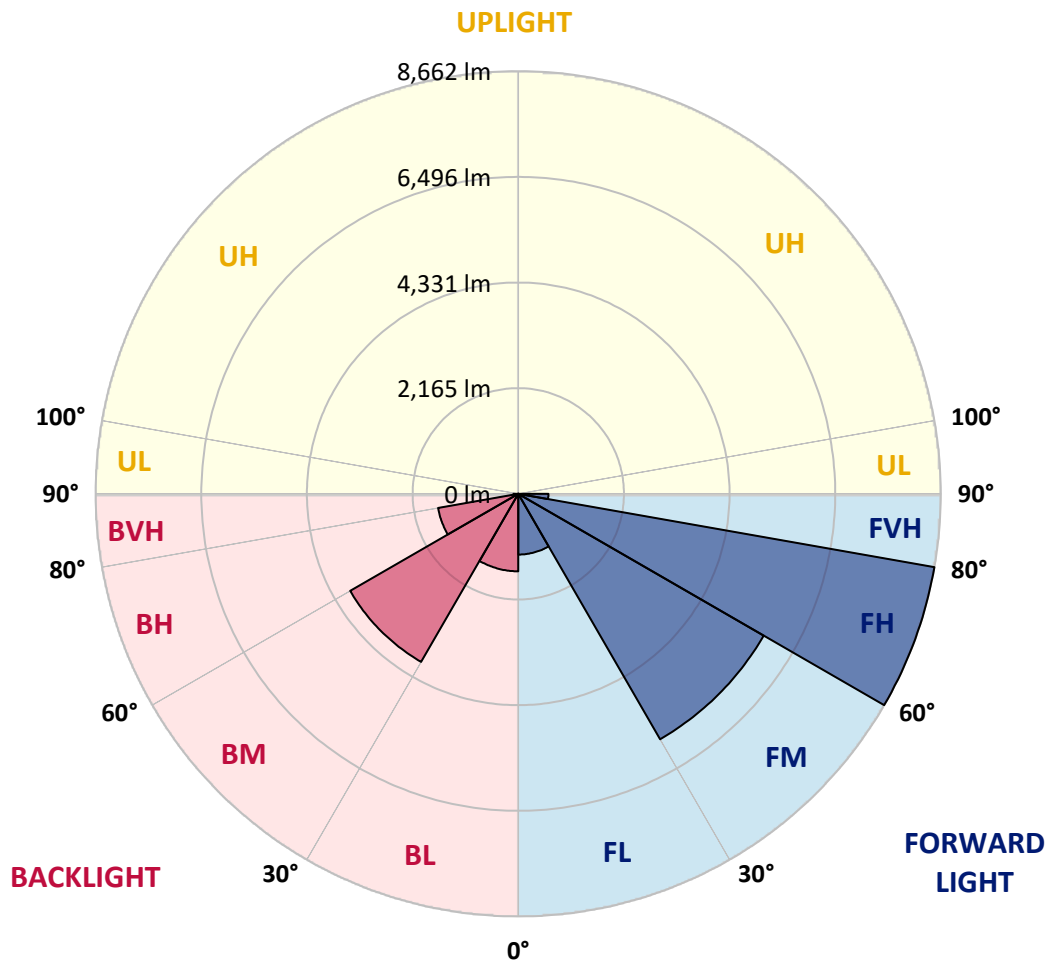


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1244.9	5.3			
FM (30°-60°)	5809.7	24.5			
FH (60°-80°)	8661.8	36.6			G4/12000
FVH (80°-90°)	617.8	2.6			G4/750
BL (0°-30°)	1588.4	6.7	B3/2500		
BM (30°-60°)	3977.4	16.8	B3/5000		
BH (60°-80°)	1668.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	98.6	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°	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4
2.5°	2664.9	2680.0	2676.2	2671.2	2671.2	2672.5	2671.2	2680.0	2688.8	2697.6
5°	2692.5	2707.6	2700.1	2693.8	2688.8	2687.5	2683.8	2682.5	2687.5	2698.8
7.5°	2746.5	2761.6	2750.3	2739.0	2728.9	2723.9	2718.9	2711.4	2707.6	2713.9
10°	2806.8	2821.8	2808.0	2787.9	2771.6	2765.4	2760.3	2752.8	2747.8	2751.5
12.5°	2867.0	2882.1	2863.3	2835.6	2814.3	2810.5	2804.3	2801.8	2800.5	2799.2
15°	2923.5	2936.1	2912.2	2879.6	2857.0	2850.7	2844.4	2848.2	2854.5	2862.0
17.5°	2967.4	2980.0	2944.9	2902.2	2880.8	2878.3	2874.6	2887.1	2904.7	2923.5
20°	3007.6	3020.2	2975.0	2917.2	2892.1	2892.1	2893.4	2919.7	2944.9	2972.5
22.5°	3064.1	3074.1	3018.9	2939.8	2903.4	2905.9	2916.0	2942.3	2973.7	3011.4
25°	3148.2	3155.7	3088.0	2982.5	2941.1	2948.6	2957.4	2970.0	3000.1	3044.0
27.5°	3283.8	3290.1	3200.9	3057.8	2995.1	3007.6	3020.2	3011.4	3025.2	3062.8
30°	3474.6	3478.3	3365.4	3175.8	3086.7	3093.0	3095.5	3059.1	3032.7	3062.8
32.5°	3700.5	3699.3	3565.0	3318.9	3190.9	3184.6	3163.3	3091.7	3030.2	3056.6
35°	4050.7	4036.9	3863.7	3519.8	3308.9	3270.0	3219.8	3128.1	3042.8	3050.3
37.5°	4630.7	4588.0	4348.2	3848.6	3484.6	3385.5	3311.4	3187.1	3070.4	3047.8
40°	5284.7	5230.7	4967.1	4299.3	3748.2	3588.8	3469.6	3271.2	3115.6	3059.1
42.5°	6060.4	5983.9	5700.2	4830.3	4082.1	3851.2	3671.7	3377.9	3182.1	3095.5
45°	7013.2	6911.5	6509.8	5429.0	4502.6	4195.1	3955.3	3539.8	3283.8	3165.8
47.5°	7976.0	8001.1	7429.9	6114.4	5007.3	4619.4	4310.6	3783.4	3431.9	3278.8
50°	8999.0	9016.6	8345.0	6873.8	5579.7	5098.9	4709.8	4055.8	3637.8	3439.4
52.5°	9797.3	9799.9	9176.0	7668.4	6175.9	5626.1	5140.3	4367.1	3876.3	3652.8
55°	10296.9	10290.7	9758.4	8420.3	6861.3	6179.7	5617.3	4721.1	4167.5	3903.9
57.5°	10659.7	10640.9	10160.1	9066.8	7591.8	6833.7	6157.1	5122.7	4511.4	4202.6
60°	10797.8	10786.5	10432.5	9625.4	8360.1	7556.7	6779.7	5572.1	4901.8	4555.4
62.5°	10850.5	10871.9	10699.9	10166.4	9182.3	8357.6	7463.8	6109.4	5341.2	4954.5
65°	11036.3	11075.2	11040.1	10874.4	10111.2	9295.2	8371.4	6748.3	5820.7	5382.6
67.5°	11404.1	11443.0	11458.1	11721.7	11245.9	10463.9	9503.6	7544.1	6381.8	5826.9
70°	11395.3	11384.0	11650.1	12395.7	12666.9	12081.9	11030.0	8523.3	7050.8	6196.0
72.5°	10372.3	10281.9	10910.8	12388.2	13849.3	13771.5	12894.1	9786.1	7628.3	6241.2
75°	7781.4	7540.4	8651.3	11164.3	14046.4	14730.5	14079.1	10569.3	7491.4	5514.4
77.5°	3327.7	3085.4	4394.7	8264.7	12571.5	13770.3	12992.0	9221.2	5980.1	3646.5
80°	871.2	869.9	1328.1	3747.0	8549.6	10168.9	8921.2	5955.0	3416.8	1303.0
82.5°	360.3	351.5	488.3	1457.4	4177.5	5706.4	4657.0	2656.1	1233.9	352.7
85°	134.3	133.1	237.2	503.4	1473.7	2353.6	1703.4	679.1	307.5	172.0
87.5°	37.7	36.4	51.5	174.5	359.0	544.8	291.2	111.7	86.6	67.8
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°
2706.4	0°	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4	2706.4
2711.4	2.5°	2715.1	2721.4	2732.7	2741.5	2752.8	2765.4	2782.9	2794.2	2805.5	2813.1
2717.7	5°	2726.4	2740.2	2769.1	2798.0	2831.9	2863.3	2899.7	2926.0	2947.4	2953.6
2740.2	7.5°	2751.5	2774.1	2823.1	2872.0	2926.0	2977.5	3030.2	3075.4	3111.8	3125.6
2780.4	10°	2795.5	2825.6	2894.6	2963.7	3035.2	3114.3	3182.1	3247.4	3298.8	3320.2
2828.1	12.5°	2850.7	2888.4	2978.7	3074.1	3173.3	3282.5	3370.4	3450.7	3514.7	3543.6
2894.6	15°	2922.3	2971.2	3086.7	3214.7	3360.3	3512.2	3624.0	3713.1	3784.6	3819.8
2963.7	17.5°	3000.1	3065.4	3211.0	3404.3	3612.7	3812.2	3942.8	4008.1	4082.1	4116.0
3027.7	20°	3075.4	3155.7	3364.1	3645.3	3922.7	4134.8	4240.3	4257.9	4262.9	4266.6
3088.0	22.5°	3153.2	3261.2	3556.2	3949.1	4246.6	4393.4	4408.5	4333.2	4227.7	4178.8
3147.0	25°	3238.6	3381.7	3807.2	4284.2	4525.2	4542.8	4427.3	4244.1	4044.5	3952.8
3194.7	27.5°	3321.4	3521.0	4108.5	4604.3	4726.1	4571.7	4323.1	4063.3	3822.3	3725.6
3228.5	30°	3404.3	3680.4	4441.1	4884.2	4817.7	4500.1	4158.7	3868.7	3626.5	3524.8
3258.7	32.5°	3488.4	3866.2	4824.0	5086.3	4801.4	4348.2	3954.1	3650.3	3436.9	3330.2
3285.0	35°	3583.8	4094.7	5186.8	5196.8	4692.2	4124.8	3684.2	3389.2	3203.4	3118.1
3316.4	37.5°	3708.1	4384.6	5506.9	5224.4	4501.4	3797.2	3349.0	3080.4	2927.3	2888.4
3362.9	40°	3862.5	4733.6	5751.6	5180.5	4218.9	3399.3	2982.5	2767.9	2681.2	2690.0
3425.6	42.5°	4063.3	5124.0	5923.6	5067.5	3826.1	2988.8	2661.2	2565.8	2607.2	2642.3
3519.8	45°	4324.4	5529.4	6030.3	4875.5	3381.7	2641.1	2471.6	2494.2	2525.6	2529.4
3671.7	47.5°	4658.3	5939.9	6100.6	4585.5	2928.5	2396.3	2351.1	2356.1	2349.9	2323.5
3898.9	50°	5075.0	6339.1	6163.4	4201.4	2543.2	2243.2	2182.9	2165.3	2078.7	1993.4
4201.4	52.5°	5549.5	6705.6	6189.7	3724.4	2243.2	2115.1	2017.2	1906.7	1744.8	1718.5
4581.7	55°	6076.7	7044.6	6121.9	3138.2	1990.9	1950.7	1802.6	1669.5	1651.9	1629.3
5082.6	57.5°	6706.9	7409.8	5983.9	2484.2	1732.3	1758.6	1614.3	1629.3	1598.0	1562.8
5726.5	60°	7396.0	7787.7	5741.6	1887.9	1464.9	1518.9	1565.3	1564.1	1555.3	1526.4
6405.6	62.5°	8016.1	8036.2	5264.6	1446.1	1230.2	1333.1	1459.9	1458.6	1451.1	1434.8
7114.8	65°	8385.2	7998.6	4468.7	1138.5	1036.8	1179.9	1316.8	1326.8	1328.1	1326.8
7648.3	67.5°	8319.9	7558.0	3376.7	906.3	877.4	1024.3	1174.9	1188.7	1198.8	1201.3
7716.1	70°	7581.8	6590.1	2201.7	723.0	735.6	887.5	1040.6	1054.4	1063.2	1073.3
6695.6	72.5°	5909.8	4845.3	1260.3	585.0	611.3	769.5	907.6	923.9	928.9	947.7
4659.5	75°	3601.4	2849.5	680.4	460.7	502.1	657.8	775.8	794.6	803.4	826.0
2288.3	77.5°	1712.2	1233.9	387.9	359.0	404.2	537.3	655.2	676.6	652.7	665.3
631.4	80°	578.7	458.2	244.8	273.6	308.8	419.3	524.7	546.0	495.8	493.3
209.6	82.5°	202.1	185.8	155.7	182.0	199.6	300.0	396.7	424.3	369.0	367.8
94.1	85°	79.1	75.3	86.6	99.2	119.3	184.5	261.1	274.9	227.2	183.3
27.6	87.5°	16.3	17.6	21.3	22.6	36.4	64.0	94.1	115.5	91.6	77.8
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°
2706.4
2808.0
2956.2
3126.9
3321.4
3543.6
3817.3
4114.8
4276.7
4192.6
3966.6
3736.9
3536.1
3344.0
3136.9
2916.0
2720.2
2675.0
2554.5
2343.6
2004.7
1727.2
1633.1
1556.5
1516.4
1428.5
1326.8
1203.8
1078.3
955.3
828.5
655.2
488.3
350.2
180.8
71.6
0.0

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