

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: P852899

Luminaire Tested: **GLAN-SB7B-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852899  
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-SB7B-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30951 lumens  
Efficiency: N/A  
Efficacy: 120.6 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

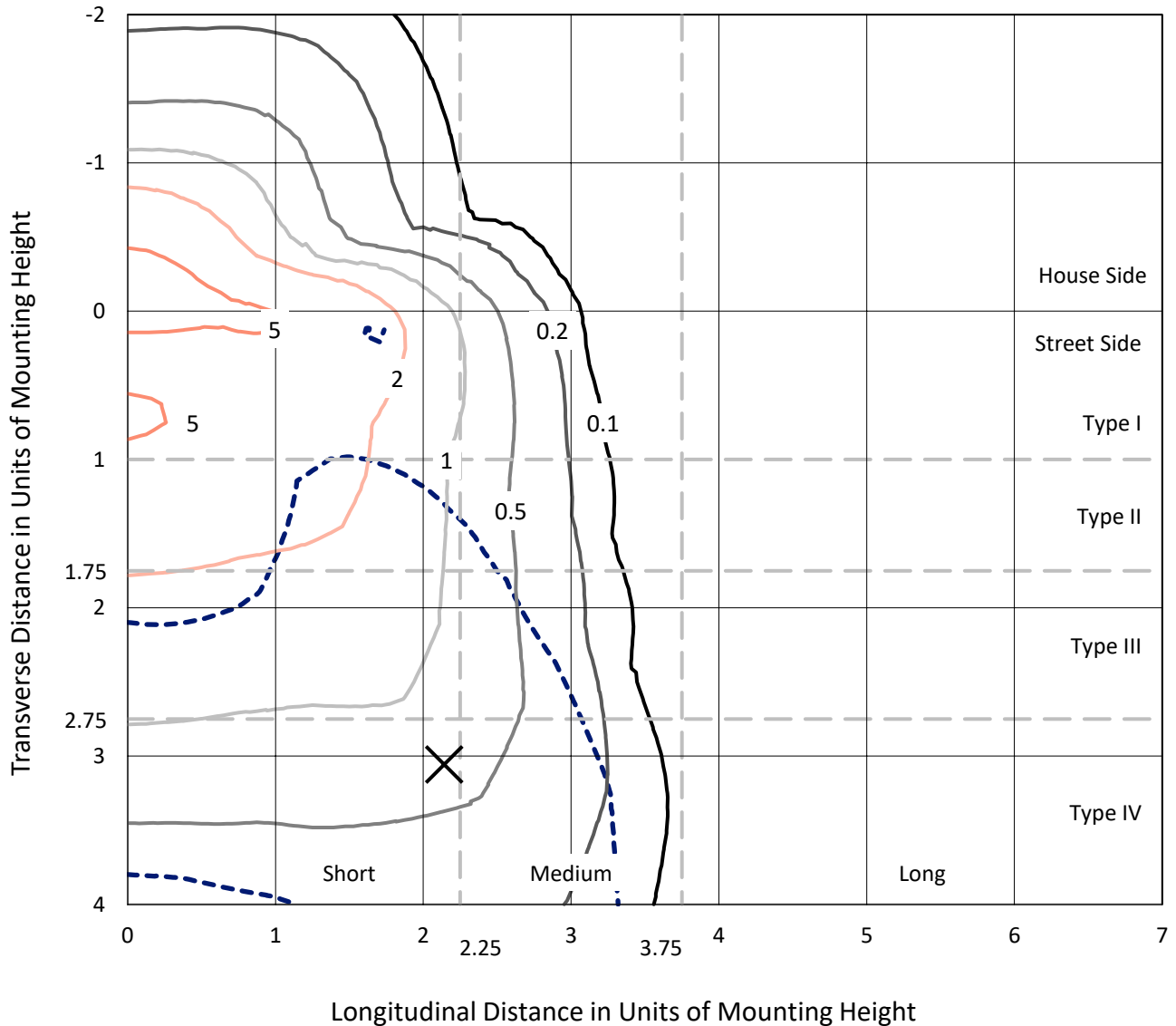
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

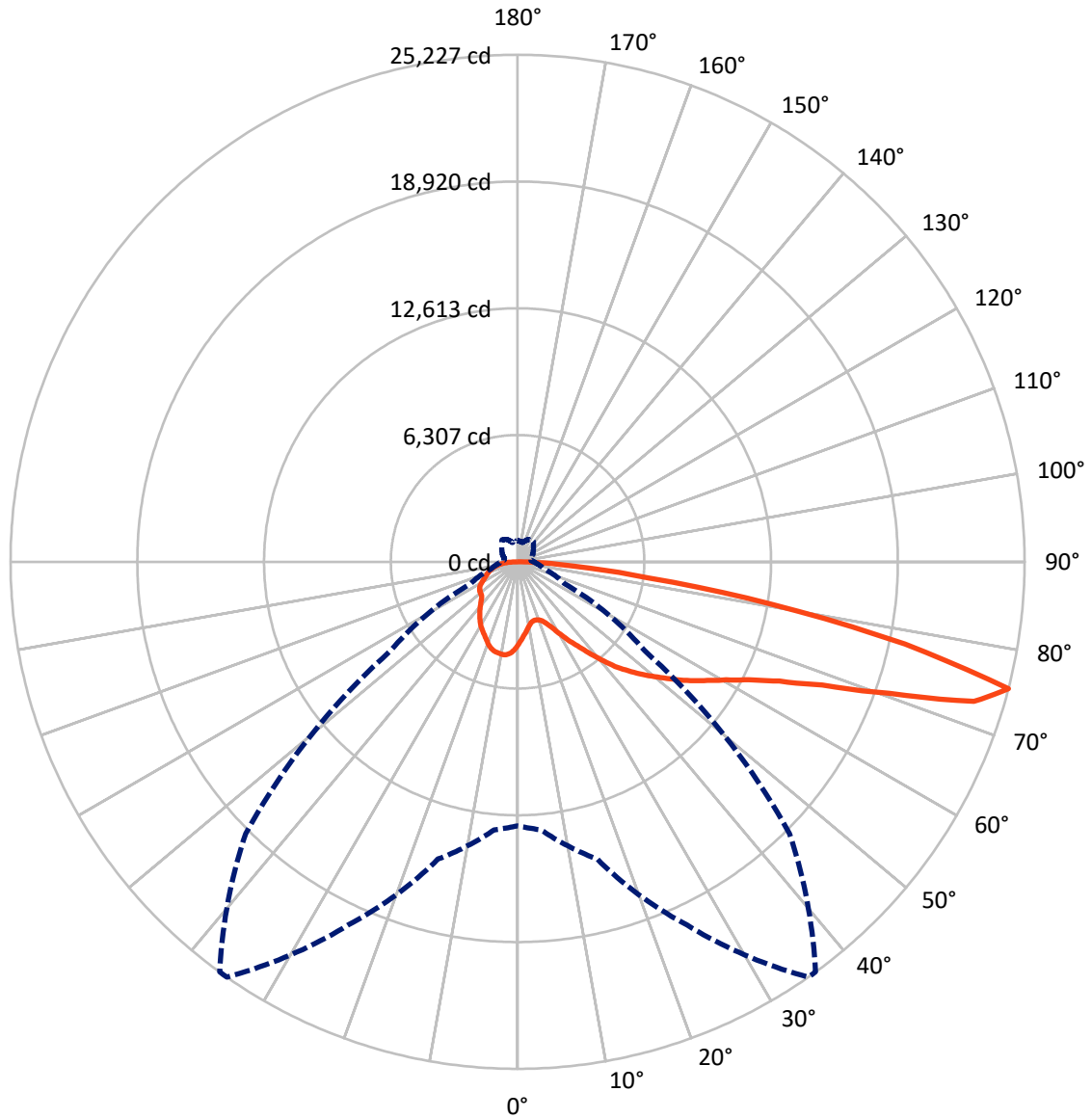
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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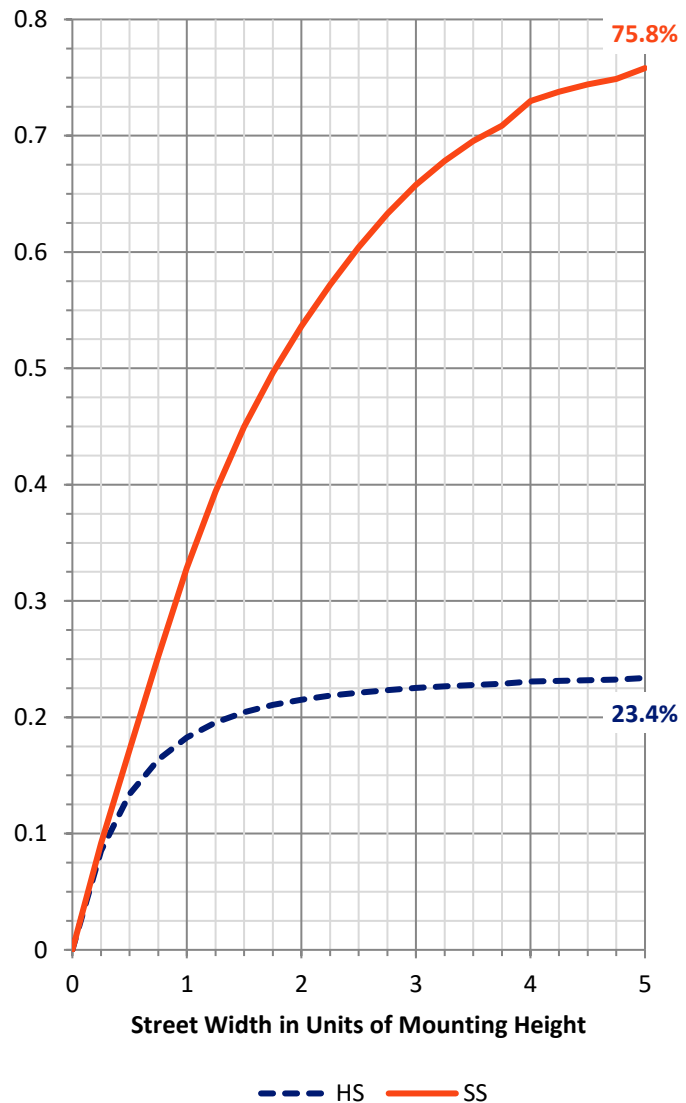
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7365.6	0.0	7365.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	23585.4	0.0	23585.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	30951.0	0.0	30951.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.5	1.3
10°-20°	1126.4	3.6
20°-30°	1891.5	6.1
30°-40°	2939.6	9.5
40°-50°	4363.2	14.1
50°-60°	6023.6	19.5
60°-70°	7308.0	23.6
70°-80°	6039.5	19.5
80°-90°	868.7	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°	30951.0	100.0
0°-180°	30951.0	100.0

**Coefficient of Utilization**

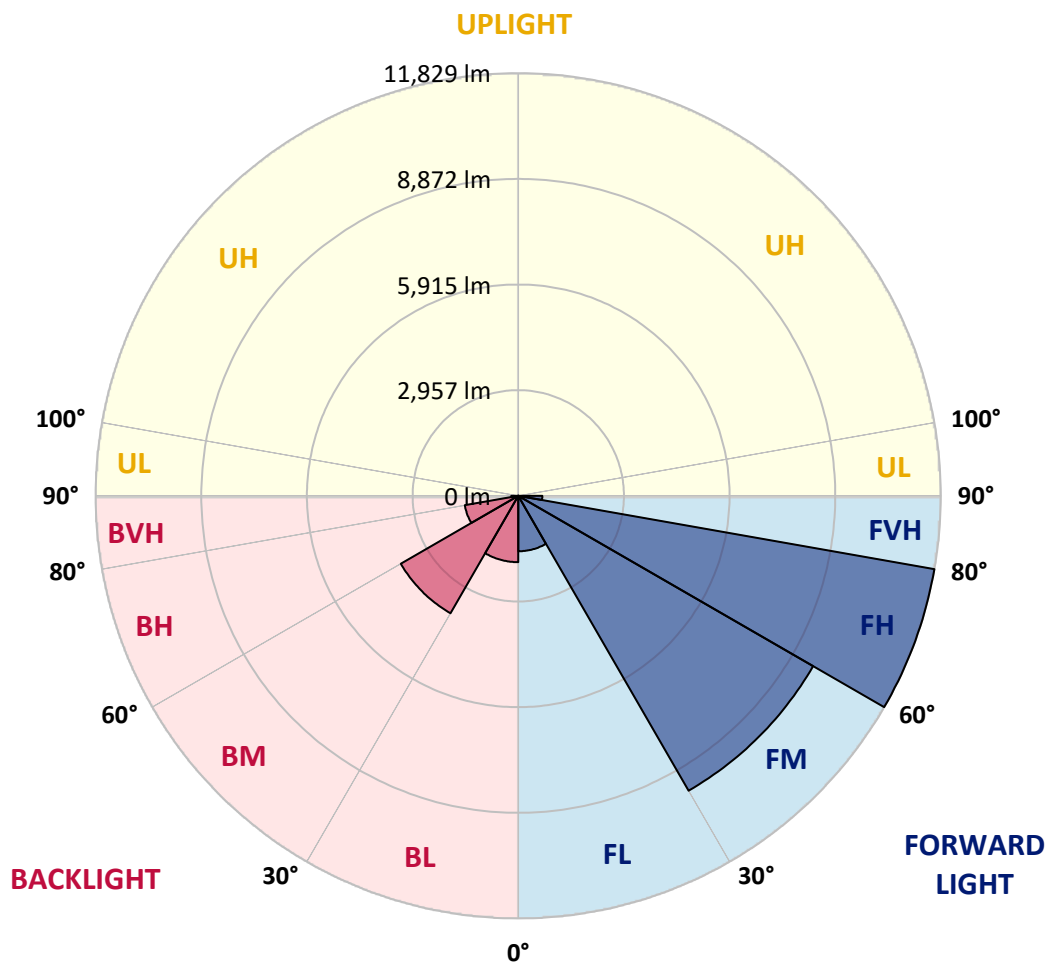


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1552.1	5.0			
FM (30°-60°)	9531.2	30.8			
FH (60°-80°)	11829.0	38.2			G4/12000
FVH (80°-90°)	673.1	2.2			G4/750
BL (0°-30°)	1856.2	6.0	B3/2500		
BM (30°-60°)	3795.2	12.3	B3/5000		
BH (60°-80°)	1518.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	195.6	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°	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4
2.5°	3803.2	3826.6	3836.6	3831.6	3856.7	3853.4	3888.5	3932.0	3992.2	4050.8
5°	3510.4	3535.5	3557.2	3577.3	3625.8	3640.9	3696.1	3779.8	3890.2	4002.3
7.5°	3237.6	3259.4	3292.9	3329.7	3411.6	3426.7	3518.7	3649.2	3803.2	3967.1
10°	3015.1	3036.9	3072.0	3113.8	3215.9	3234.3	3351.4	3525.4	3726.2	3933.7
12.5°	2919.7	2926.4	2946.5	2988.3	3077.0	3088.7	3217.6	3416.7	3650.9	3908.6
15°	2914.7	2928.1	2929.8	2951.5	3025.1	3030.2	3149.0	3346.4	3604.1	3903.6
17.5°	2964.9	2974.9	2959.9	2973.3	3035.2	3043.5	3137.2	3312.9	3589.0	3925.3
20°	3098.8	3107.1	3062.0	3043.5	3088.7	3095.4	3187.4	3334.7	3604.1	3970.5
22.5°	3383.2	3388.2	3277.8	3202.5	3205.8	3209.2	3289.5	3423.4	3662.6	4052.5
25°	3826.6	3823.3	3647.6	3502.0	3418.3	3399.9	3453.5	3567.3	3761.3	4161.2
27.5°	4345.3	4320.2	4144.5	3927.0	3744.6	3717.8	3706.1	3754.7	3901.9	4305.1
30°	4930.9	4907.5	4718.4	4434.0	4181.3	4137.8	4027.4	4002.3	4111.0	4500.9
32.5°	5573.4	5558.4	5332.5	4987.8	4649.8	4599.6	4413.9	4347.0	4432.3	4797.1
35°	6112.2	6098.8	5911.4	5556.7	5143.4	5081.5	4892.4	4817.1	4860.6	5176.9
37.5°	6599.1	6592.4	6431.8	6152.3	5725.7	5650.4	5437.9	5412.8	5404.4	5677.2
40°	7050.9	7034.1	6866.8	6719.6	6403.3	6334.7	6147.3	6125.6	6062.0	6292.9
42.5°	7551.1	7507.6	7265.0	7196.4	7111.1	7054.2	6942.1	6945.4	6804.9	6987.3
45°	7959.4	7934.3	7685.0	7644.8	7736.9	7713.4	7810.5	7835.6	7562.8	7715.1
47.5°	8397.8	8374.4	8163.5	8135.1	8384.4	8391.1	8734.1	8742.5	8302.4	8471.4
50°	8938.2	8904.8	8695.6	8730.7	9010.2	9035.3	9662.7	9605.8	8983.4	9239.4
52.5°	9294.6	9314.7	9269.5	9326.4	9707.9	9731.3	10576.3	10430.7	9657.7	9997.4
55°	9557.3	9597.5	9738.0	9868.5	10444.1	10467.5	11438.0	11215.4	10216.5	10700.1
57.5°	9895.3	9838.4	10101.1	10355.4	11143.5	11205.4	12276.2	11971.7	10711.8	11305.8
60°	10380.5	10340.4	10544.5	10921.0	11926.5	12025.3	13163.0	12652.7	11074.9	11786.0
62.5°	11364.4	11264.0	11295.8	11628.7	12913.7	13044.2	14163.6	13246.7	11255.6	11973.4
65°	12835.1	12662.8	12502.1	12733.0	14304.2	14433.0	15293.0	13713.5	11188.7	11610.3
67.5°	14687.3	14516.7	14319.2	14536.7	16352.2	16454.2	16686.8	13976.2	10661.6	10211.5
70°	16215.0	16151.4	16387.3	17282.4	19623.3	19626.6	18473.8	13758.7	9217.6	7239.9
72.5°	16012.5	15974.0	17217.2	19984.7	23746.0	23657.3	20165.4	12112.3	6209.2	3266.1
75°	13136.3	13385.6	15311.4	19936.1	25226.8	25215.1	19129.7	7700.1	2568.4	1353.6
77.5°	7044.2	7439.0	9940.5	14719.1	19693.5	19989.7	13449.2	2693.8	1102.6	866.7
80°	2297.3	2642.0	3962.1	7494.2	12796.6	12741.4	5764.2	1057.5	754.6	614.1
82.5°	975.5	1015.6	1770.2	3538.8	6567.3	6465.2	1835.5	607.4	530.4	420.0
85°	381.5	426.7	781.4	1636.4	2844.4	2782.5	662.6	301.2	339.7	274.4
87.5°	125.5	152.3	279.4	560.5	885.1	853.3	162.3	103.7	147.2	125.5
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°
4124.4	0°	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4	4124.4
4136.1	2.5°	4159.6	4186.3	4218.1	4265.0	4305.1	4338.6	4373.7	4395.5	4403.9	4429.0
4142.8	5°	4189.7	4248.2	4326.9	4403.9	4479.1	4524.3	4564.5	4584.6	4603.0	4616.3
4161.2	7.5°	4239.9	4315.2	4439.0	4539.4	4603.0	4639.8	4666.5	4659.9	4666.5	4669.9
4181.3	10°	4283.4	4388.8	4536.0	4631.4	4679.9	4681.6	4674.9	4651.5	4639.8	4641.4
4211.4	12.5°	4335.3	4452.4	4611.3	4691.6	4705.0	4668.2	4639.8	4599.6	4584.6	4577.9
4256.6	15°	4405.5	4539.4	4693.3	4723.4	4690.0	4643.1	4594.6	4529.3	4495.9	4469.1
4333.6	17.5°	4490.9	4638.1	4756.9	4735.1	4663.2	4586.2	4507.6	4408.9	4340.3	4311.8
4439.0	20°	4609.7	4741.8	4805.4	4710.0	4601.3	4484.2	4350.3	4229.8	4166.3	4137.8
4572.8	22.5°	4753.6	4880.7	4852.3	4666.5	4512.6	4325.2	4157.9	4069.2	4037.4	4017.3
4745.2	25°	4925.9	5034.6	4885.7	4603.0	4367.0	4114.4	3985.6	3957.1	3942.1	3927.0
4956.0	27.5°	5150.1	5208.7	4910.8	4509.3	4139.5	3890.2	3843.3	3848.4	3843.3	3818.2
5248.8	30°	5446.3	5434.5	4934.3	4357.0	3878.5	3687.7	3691.1	3712.8	3716.2	3699.4
5657.1	32.5°	5836.1	5717.3	4946.0	4159.6	3629.2	3510.4	3513.7	3537.1	3553.9	3525.4
6190.8	35°	6308.0	6046.9	4927.6	3911.9	3436.7	3341.4	3316.3	3323.0	3328.0	3301.2
6838.4	37.5°	6858.4	6416.7	4845.6	3637.5	3277.8	3175.7	3122.2	3077.0	3050.2	3025.1
7571.2	40°	7462.5	6820.0	4695.0	3369.8	3100.4	3000.0	2919.7	2834.4	2744.0	2710.6
8347.6	42.5°	8094.9	7234.9	4512.6	3113.8	2896.3	2814.3	2729.0	2605.2	2469.6	2401.0
9154.1	45°	8750.8	7659.9	4333.6	2861.2	2687.2	2652.0	2553.3	2404.4	2257.1	2170.1
9962.2	47.5°	9393.3	8061.5	4070.9	2606.8	2491.4	2529.9	2452.9	2315.7	2151.7	2014.5
10763.7	50°	10007.4	8437.9	3640.9	2349.2	2332.4	2493.1	2419.4	2222.0	2034.6	1858.9
11550.1	52.5°	10616.4	8742.5	3090.4	2114.9	2247.1	2483.0	2375.9	2158.4	1929.2	1745.1
12289.6	55°	11133.5	8899.7	2560.0	1914.1	2123.3	2397.7	2324.1	2083.1	1780.3	1584.5
12796.6	57.5°	11427.9	8772.6	2118.3	1716.7	1952.6	2257.1	2235.4	1922.5	1602.9	1452.3
12895.3	60°	11300.8	8257.2	1756.9	1544.4	1790.3	2104.9	2081.5	1763.5	1467.4	1325.2
12366.6	62.5°	10599.7	7275.1	1470.7	1393.8	1643.1	1949.3	1927.5	1641.4	1363.7	1226.5
10962.8	65°	9187.5	5918.1	1248.2	1268.3	1494.2	1761.9	1793.7	1539.3	1281.7	1147.8
8481.4	67.5°	7007.3	4286.7	1074.2	1159.5	1348.6	1577.8	1669.9	1465.7	1213.1	1085.9
4907.5	70°	3993.9	2434.5	927.0	1054.1	1219.8	1407.2	1574.5	1407.2	1139.4	1034.0
1838.8	72.5°	1514.2	1117.7	801.5	948.7	1095.9	1263.3	1469.1	1315.1	1054.1	975.5
950.4	75°	808.2	681.0	674.3	824.9	953.7	1122.7	1336.9	1224.8	990.5	1030.7
657.6	77.5°	550.5	481.9	563.9	706.1	798.1	967.1	1196.3	1087.6	858.3	855.0
455.1	80°	381.5	341.3	458.5	568.9	617.4	813.2	1044.1	933.6	699.4	652.5
281.1	82.5°	229.2	222.5	343.0	425.0	436.7	627.4	865.0	783.1	572.2	498.6
167.3	85°	125.5	132.2	219.2	249.3	254.3	438.4	677.6	605.7	440.1	369.8
60.2	87.5°	35.1	45.2	80.3	98.7	122.1	227.6	403.2	359.7	220.9	153.9
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°
4124.4
4427.3
4619.7
4674.9
4644.8
4574.5
4477.5
4313.5
4134.5
4020.7
3927.0
3823.3
3707.8
3538.8
3319.6
3041.9
2725.6
2409.4
2163.4
1999.5
1843.9
1725.1
1567.8
1432.3
1305.1
1204.7
1126.1
1065.8
1020.7
962.1
1064.2
788.1
624.1
502.0
373.1
153.9
0.0

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