

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: P849798

Luminaire Tested: **GLAN-SB7A-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30837 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

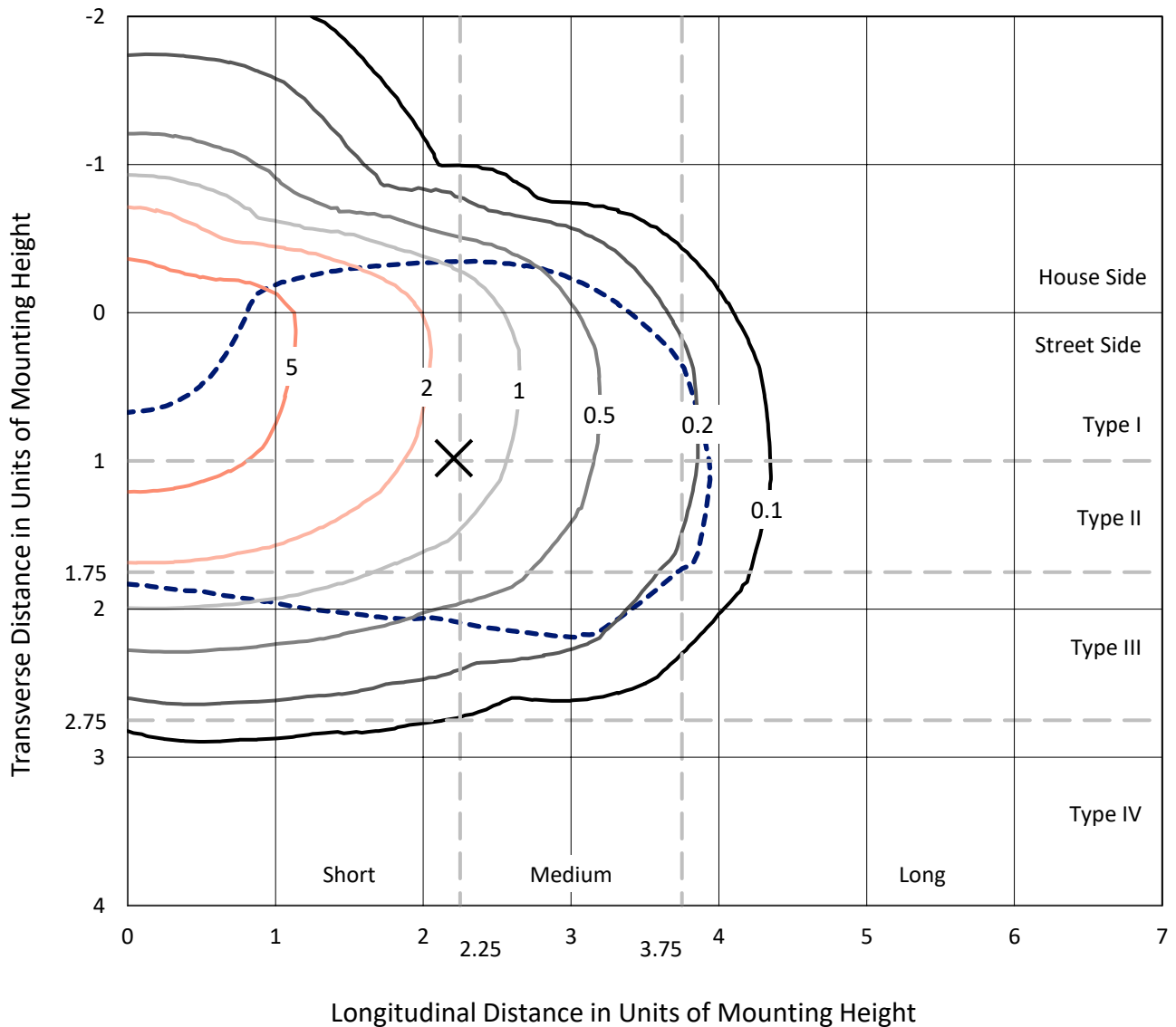
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

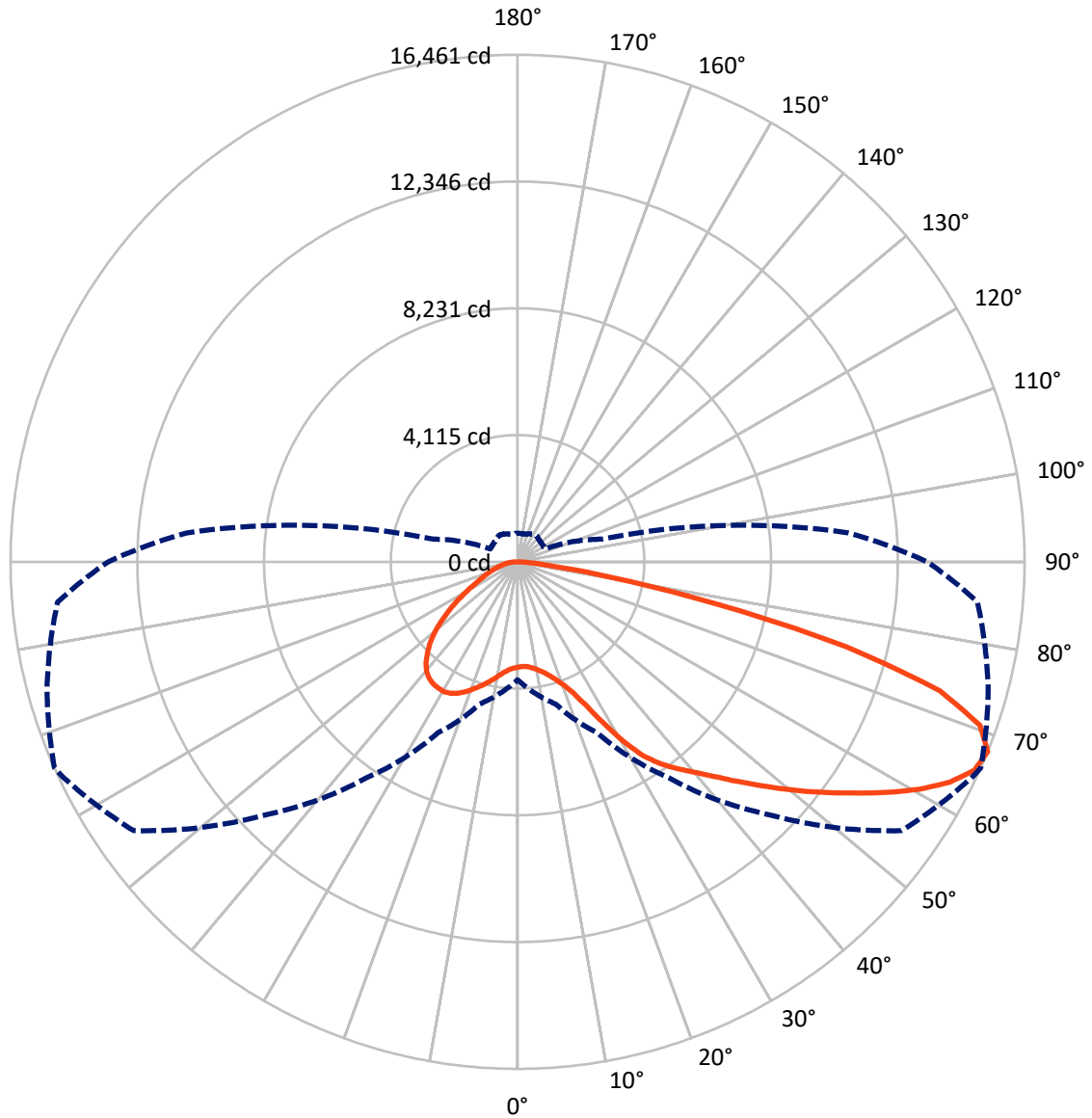
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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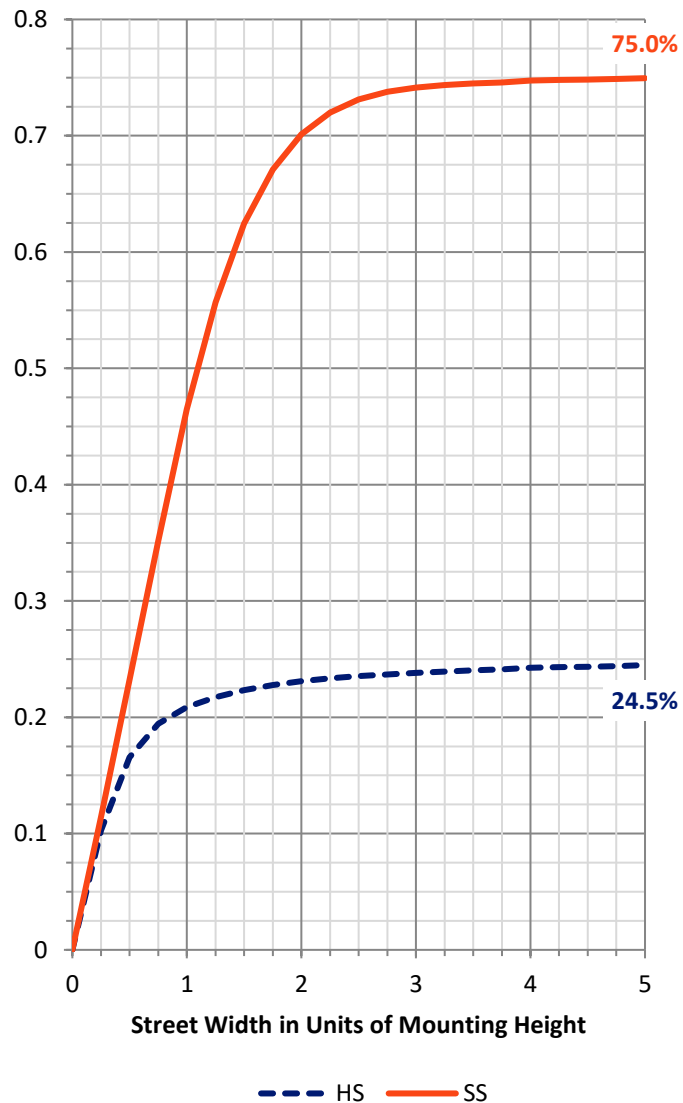
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7667.5	0.0	7667.5
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	23169.5	0.0	23169.5
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	30837.0	0.0	30837.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.1	1.1
10°-20°	1120.3	3.6
20°-30°	2159.4	7.0
30°-40°	3786.2	12.3
40°-50°	5628.9	18.3
50°-60°	7135.2	23.1
60°-70°	6981.6	22.6
70°-80°	3330.3	10.8
80°-90°	355.9	1.2
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°	30837.0	100.0
0°-180°	30837.0	100.0

**Coefficient of Utilization**

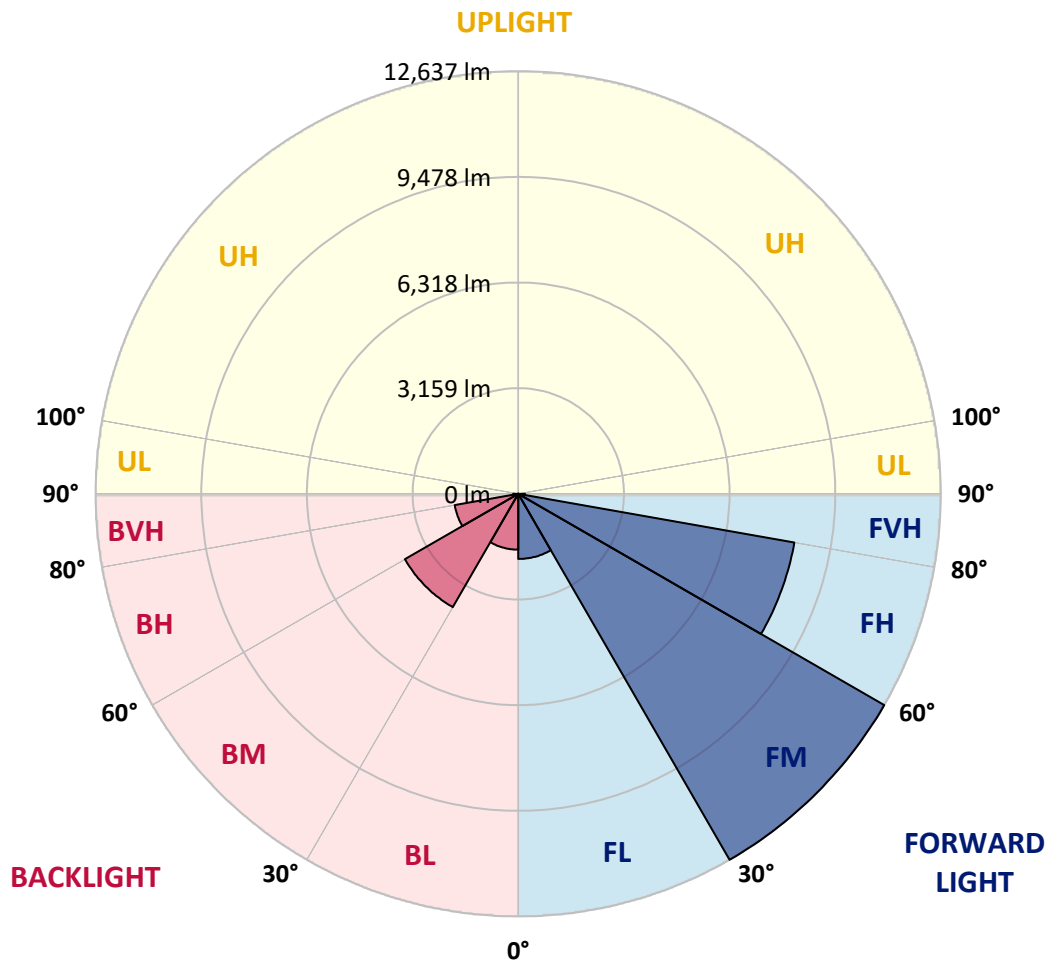


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1948.6	6.3			
FM (30°-60°)	12636.7	41.0			
FH (60°-80°)	8382.3	27.2			G4/12000
FVH (80°-90°)	201.8	0.7			G2/225
BL (0°-30°)	1670.3	5.4	B3/2500		
BM (30°-60°)	3913.6	12.7	B3/5000		
BH (60°-80°)	1929.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	154.1	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2
2.5°	3384.6	3404.0	3399.2	3391.1	3389.4	3392.7	3397.5	3402.4	3400.8	3408.9
5°	3374.9	3394.3	3392.7	3392.7	3399.2	3412.1	3420.2	3428.3	3420.2	3430.0
7.5°	3381.3	3395.9	3402.4	3408.9	3425.1	3449.4	3468.8	3486.7	3476.9	3488.3
10°	3464.0	3475.3	3481.8	3481.8	3493.1	3520.7	3540.1	3572.5	3564.4	3582.3
12.5°	3614.7	3626.0	3626.0	3619.5	3627.6	3645.4	3651.9	3687.6	3673.0	3702.1
15°	3799.4	3822.0	3804.2	3792.9	3796.1	3813.9	3812.3	3839.9	3825.3	3849.6
17.5°	4003.5	4032.7	4003.5	4001.9	3995.4	4014.8	4016.5	4040.8	4014.8	4032.7
20°	4244.9	4285.4	4261.1	4269.2	4254.6	4262.7	4270.8	4306.5	4266.0	4278.9
22.5°	4585.2	4633.8	4607.8	4638.6	4628.9	4622.4	4620.8	4684.0	4620.8	4625.7
25°	5080.9	5139.3	5093.9	5136.0	5136.0	5157.1	5181.4	5262.4	5157.1	5126.3
27.5°	5813.3	5871.6	5782.5	5808.4	5800.3	5852.1	5826.2	6027.1	5913.7	5863.5
30°	6694.6	6798.3	6629.8	6623.4	6615.3	6697.9	6735.1	6868.0	6753.0	6702.7
32.5°	7647.3	7755.9	7555.0	7496.6	7465.9	7516.1	7485.3	7592.2	7512.8	7435.1
35°	8655.1	8762.0	8570.8	8457.4	8334.3	8229.0	8118.8	8146.3	8071.8	7953.5
37.5°	9607.8	9803.8	9601.3	9479.8	9252.9	9047.2	8739.3	8611.3	8541.7	8433.1
40°	10578.3	10690.0	10536.1	10432.4	10186.2	9863.7	9371.2	9100.6	9006.7	8901.3
42.5°	11292.8	11399.7	11317.1	11245.8	11053.0	10678.7	10042.0	9703.3	9567.2	9449.0
45°	11859.8	11939.2	11887.4	11913.3	11830.7	11467.7	10737.0	10349.8	10208.8	10064.6
47.5°	12088.3	12172.5	12255.2	12409.1	12550.0	12282.7	11483.9	11049.7	10900.7	10753.2
50°	12062.3	12148.2	12388.0	12715.3	13152.7	13063.6	12271.4	11795.0	11657.3	11488.8
52.5°	11855.0	11952.2	12260.0	12804.4	13501.1	13648.5	13073.4	12564.6	12435.0	12234.1
55°	11310.6	11368.9	11830.7	12601.9	13583.7	14056.8	13859.1	13384.4	13254.8	12974.5
57.5°	10301.2	10385.4	11057.8	12055.9	13376.3	14333.9	14549.3	14246.4	14121.6	13718.2
60°	8984.0	9118.5	9888.0	11138.8	12848.1	14332.2	15176.4	15093.7	14990.0	14450.5
62.5°	7493.4	7648.9	8389.4	9842.7	11924.6	13925.6	15568.5	15803.4	15749.9	15126.1
65°	5754.9	5861.9	6599.1	8165.8	10487.5	13052.3	15613.8	16287.8	16297.5	15639.7
67.5°	3831.8	4139.6	4779.6	6127.6	8562.7	11624.9	15215.2	16367.2	16461.2	15816.3
70°	1869.7	2274.8	2901.8	3982.4	6127.6	9436.0	14173.5	15715.9	15924.9	15301.1
72.5°	776.1	907.3	1249.2	1965.3	3517.4	6367.4	12080.2	13949.9	14337.1	13557.8
75°	523.3	567.1	714.5	1007.8	1602.4	3139.9	8711.8	10401.6	11025.4	10239.6
77.5°	403.4	431.0	520.1	704.8	952.7	1187.6	4662.9	6268.5	6591.0	6101.7
80°	317.6	338.6	388.8	513.6	675.6	635.1	1589.4	2840.2	3026.5	2538.8
82.5°	275.4	283.5	278.7	348.3	448.8	371.0	521.7	1048.3	1156.8	839.3
85°	199.3	222.0	231.7	215.5	238.2	187.9	213.9	371.0	408.3	364.5
87.5°	81.0	119.9	147.4	139.3	87.5	53.5	66.4	108.6	124.8	136.1
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°
3420.2	0°	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2	3420.2
3421.9	2.5°	3423.5	3434.8	3442.9	3452.6	3459.1	3468.8	3488.3	3499.6	3501.2	3509.3
3447.8	5°	3454.3	3470.5	3488.3	3514.2	3543.4	3567.7	3604.9	3630.9	3640.6	3648.7
3511.0	7.5°	3520.7	3543.4	3575.8	3621.1	3663.3	3695.7	3741.0	3771.8	3802.6	3813.9
3611.4	10°	3619.5	3651.9	3698.9	3760.5	3805.8	3848.0	3894.9	3920.9	3951.7	3964.6
3731.3	12.5°	3742.6	3776.7	3838.2	3924.1	3966.2	3995.4	4011.6	4005.1	4011.6	4022.9
3875.5	15°	3883.6	3920.9	3990.5	4082.9	4112.1	4086.1	4050.5	4018.1	4013.2	4016.5
4050.5	17.5°	4050.5	4078.0	4159.0	4236.8	4215.7	4108.8	4031.0	3979.2	3953.3	3945.2
4274.1	20°	4283.8	4283.8	4350.2	4398.8	4257.9	4076.4	3954.9	3870.6	3817.2	3794.5
4578.7	22.5°	4567.3	4541.4	4583.5	4549.5	4249.8	3985.7	3817.2	3671.4	3590.4	3557.9
5004.8	25°	4927.0	4896.2	4884.9	4674.3	4191.4	3841.5	3567.7	3391.1	3319.8	3302.0
5618.8	27.5°	5469.8	5392.0	5244.6	4742.3	4084.5	3614.7	3276.0	3112.4	3071.9	3073.5
6407.9	30°	6192.4	6036.8	5675.5	4753.7	3909.5	3293.9	2977.9	2861.3	2841.8	2849.9
7070.5	32.5°	6861.5	6714.1	6116.2	4701.8	3640.6	2979.5	2710.6	2632.8	2603.7	2613.4
7576.0	35°	7386.5	7346.0	6524.5	4628.9	3310.1	2684.7	2470.8	2404.4	2347.7	2334.7
8052.4	37.5°	7882.2	7866.0	6830.7	4526.8	2982.8	2475.7	2278.0	2190.5	2107.9	2062.5
8578.9	40°	8426.6	8410.4	7031.6	4369.7	2692.8	2294.2	2104.6	1989.6	1887.5	1804.9
9175.2	42.5°	9039.1	8943.5	7127.2	4144.5	2446.5	2140.3	1963.7	1808.1	1673.7	1597.5
9849.2	45°	9708.2	9492.7	7125.6	3857.7	2239.1	1999.3	1813.0	1592.7	1467.9	1396.6
10541.0	47.5°	10417.9	10017.7	7038.1	3540.1	2038.2	1843.8	1579.7	1411.2	1328.6	1284.8
11292.8	50°	11150.2	10508.6	6889.1	3175.6	1832.4	1667.2	1433.9	1318.8	1255.7	1215.1
12038.0	52.5°	11838.8	10954.1	6709.2	2762.4	1623.4	1495.4	1369.1	1280.0	1213.5	1168.2
12760.7	55°	12478.7	11338.1	6454.9	2339.6	1453.3	1380.4	1338.3	1263.8	1187.6	1134.1
13494.6	57.5°	13047.4	11587.6	6015.8	1942.6	1331.8	1301.0	1305.9	1236.2	1148.7	1103.4
14217.2	60°	13520.5	11770.7	5366.1	1574.8	1233.0	1223.2	1255.7	1184.4	1082.3	1030.4
14828.0	62.5°	13804.1	11767.5	4568.9	1289.7	1148.7	1152.0	1189.2	1119.6	1015.9	967.3
15147.2	65°	13779.8	11479.1	3694.0	1103.4	1067.7	1070.9	1119.6	1048.3	960.8	931.6
14986.8	67.5°	13292.1	10775.9	2833.7	981.8	978.6	993.2	1049.9	999.7	926.8	923.5
14030.9	70°	11971.6	9316.1	2041.4	884.6	886.2	907.3	981.8	968.9	908.9	915.4
11796.6	72.5°	9599.7	7102.9	1370.7	782.6	784.2	818.2	917.0	944.6	891.1	977.0
8369.9	75°	6393.3	4429.6	881.4	674.0	675.6	719.4	860.3	897.6	842.5	973.7
4355.1	77.5°	3071.9	1991.2	638.4	567.1	567.1	607.6	743.7	803.6	717.7	756.6
1399.8	80°	1061.2	748.5	502.3	456.9	447.2	474.7	627.0	696.7	618.9	570.3
456.9	82.5°	418.0	388.8	403.4	354.8	322.4	340.2	487.7	575.2	455.3	411.5
257.6	85°	239.8	252.8	285.2	234.9	186.3	209.0	358.1	413.1	343.5	303.0
84.3	87.5°	64.8	89.1	131.2	121.5	84.3	89.1	170.1	228.4	197.7	152.3
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°
3420.2
3507.7
3647.1
3815.6
3971.1
4026.2
4027.8
3956.5
3789.6
3553.1
3305.2
3078.4
2877.5
2626.3
2344.4
2064.1
1813.0
1602.4
1393.4
1275.1
1200.6
1148.7
1113.1
1074.2
1007.8
952.7
930.0
928.4
913.8
989.9
981.8
693.4
534.7
409.9
309.5
157.2
0.0

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