

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: P850053

Luminaire Tested: **GLAN-SB7B-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850053  
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-SB7B-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34085 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

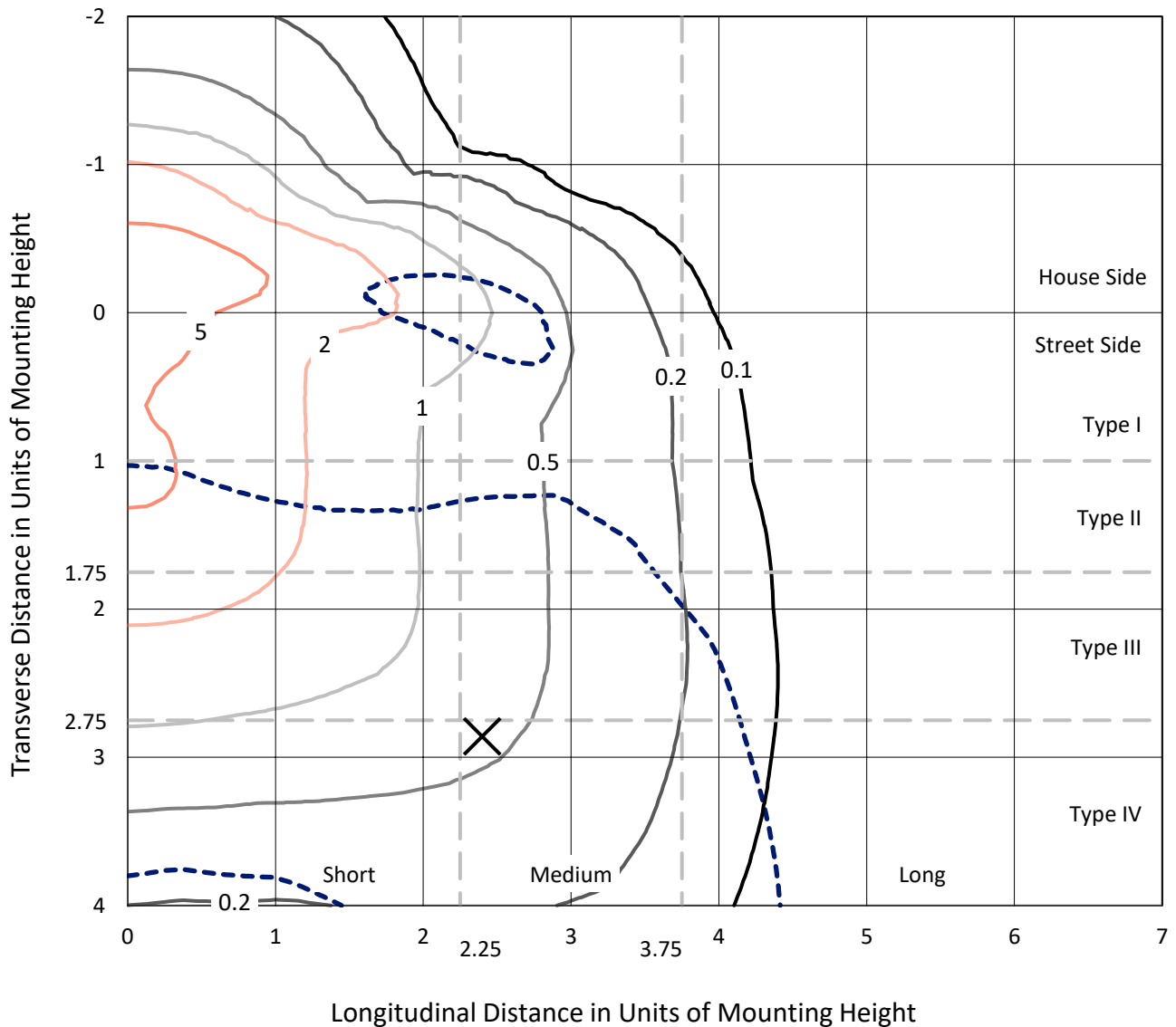
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

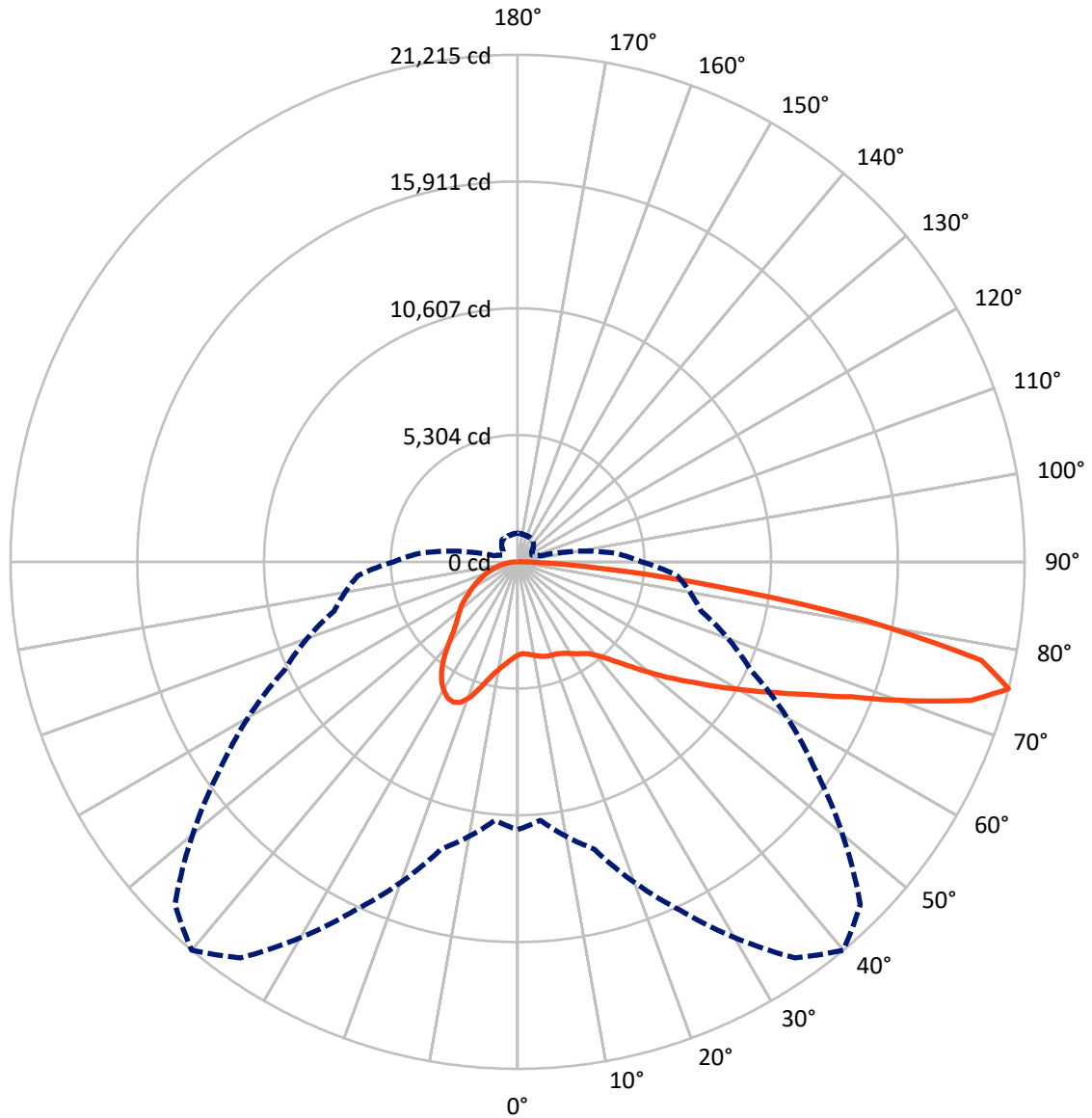
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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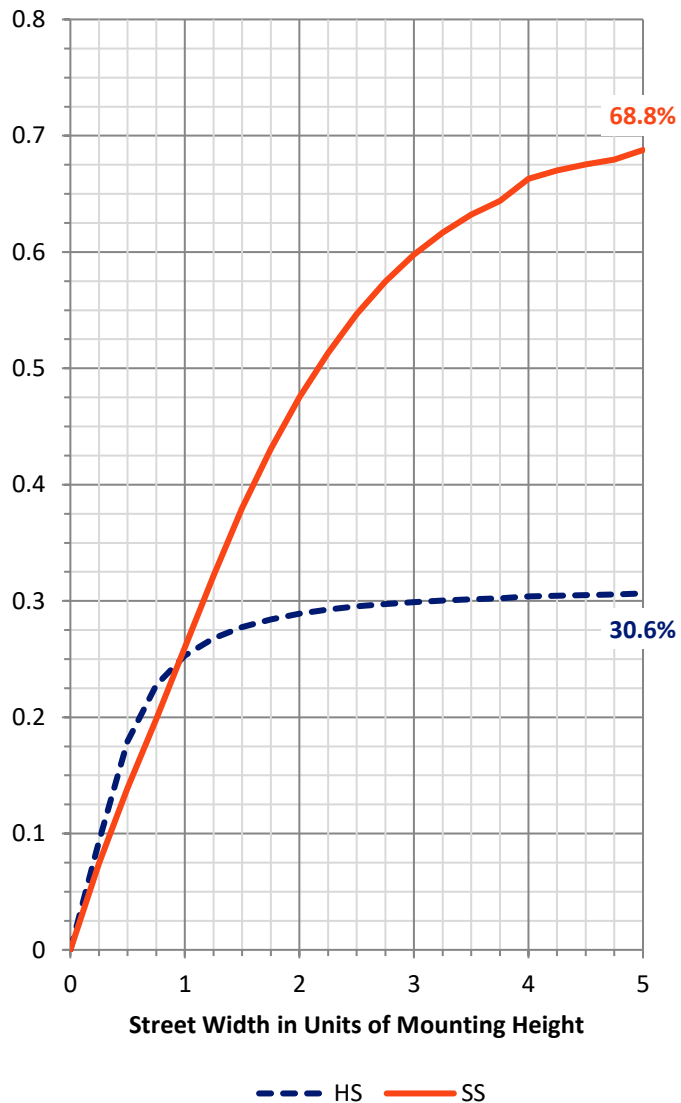
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10560.7	0.0	10560.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	23524.3	0.0	23524.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	34085.0	0.0	34085.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.1	1.1
10°-20°	1306.3	3.8
20°-30°	2385.1	7.0
30°-40°	3382.8	9.9
40°-50°	4567.7	13.4
50°-60°	6144.8	18.0
60°-70°	7799.2	22.9
70°-80°	7078.3	20.8
80°-90°	1031.8	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°	34085.0	100.0
0°-180°	34085.0	100.0

**Coefficient of Utilization**

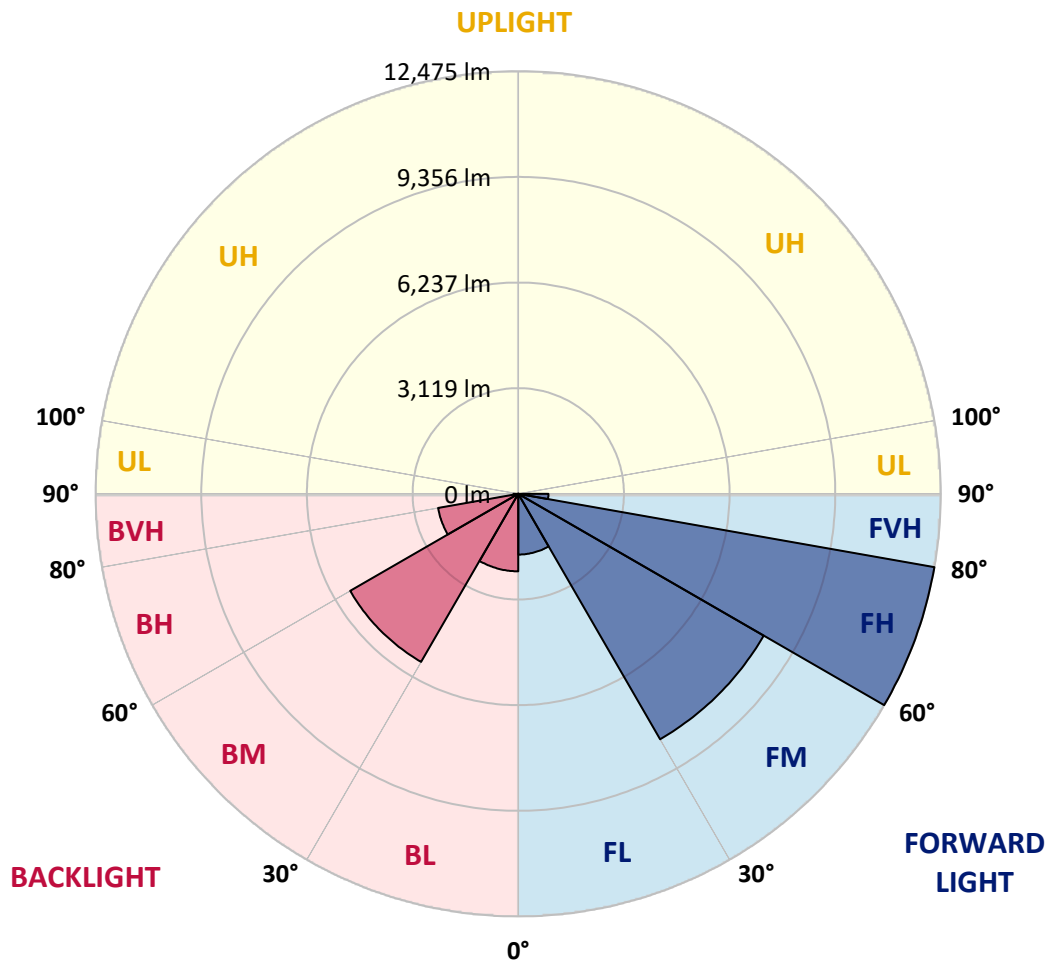


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.9	5.3			
FM (30°-60°)	8367.1	24.5			
FH (60°-80°)	12474.6	36.6			G5
FVH (80°-90°)	889.7	2.6			G5
BL (0°-30°)	2287.5	6.7	B3/2500		
BM (30°-60°)	5728.2	16.8	B4/8500		
BH (60°-80°)	2402.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	142.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7
2.5°	3838.0	3859.7	3854.3	3847.0	3847.0	3848.9	3847.0	3859.7	3872.4	3885.0
5°	3877.8	3899.5	3888.6	3879.6	3872.4	3870.5	3865.1	3863.3	3870.5	3886.8
7.5°	3955.5	3977.2	3960.9	3944.7	3930.2	3923.0	3915.7	3904.9	3899.5	3908.5
10°	4042.3	4064.0	4044.1	4015.2	3991.7	3982.6	3975.4	3964.6	3957.3	3962.7
12.5°	4129.1	4150.8	4123.6	4083.9	4053.1	4047.7	4038.7	4035.1	4033.3	4031.4
15°	4210.4	4228.5	4194.1	4147.1	4114.6	4105.6	4096.5	4101.9	4111.0	4121.8
17.5°	4273.7	4291.8	4241.2	4179.7	4149.0	4145.3	4139.9	4158.0	4183.3	4210.4
20°	4331.5	4349.6	4284.5	4201.4	4165.2	4165.2	4167.0	4205.0	4241.2	4280.9
22.5°	4412.9	4427.4	4347.8	4233.9	4181.5	4185.1	4199.6	4237.5	4282.7	4337.0
25°	4534.0	4544.9	4447.2	4295.4	4235.7	4246.6	4259.2	4277.3	4320.7	4384.0
27.5°	4729.3	4738.3	4609.9	4403.9	4313.5	4331.5	4349.6	4337.0	4356.9	4411.1
30°	5004.1	5009.5	4846.8	4573.8	4445.4	4454.5	4458.1	4405.7	4367.7	4411.1
32.5°	5329.5	5327.7	5134.2	4779.9	4595.5	4586.4	4555.7	4452.7	4364.1	4402.0
35°	5833.8	5814.0	5564.5	5069.1	4765.4	4709.4	4637.1	4505.1	4382.2	4393.0
37.5°	6669.1	6607.6	6262.3	5542.8	5018.5	4875.7	4769.0	4590.1	4421.9	4389.4
40°	7610.9	7533.2	7153.6	6191.8	5398.2	5168.6	4996.8	4711.2	4487.0	4405.7
42.5°	8728.2	8617.9	8209.3	6956.5	5879.0	5546.4	5287.9	4864.9	4582.8	4458.1
45°	10100.3	9953.9	9375.4	7818.8	6484.7	6041.7	5696.4	5098.1	4729.3	4559.3
47.5°	11486.9	11523.1	10700.5	8805.9	7211.4	6652.8	6208.1	5448.8	4942.6	4722.0
50°	12960.3	12985.6	12018.4	9899.6	8035.8	7343.4	6782.9	5841.1	5239.1	4953.4
52.5°	14110.1	14113.7	13215.2	11044.0	8894.5	8102.7	7403.0	6289.4	5582.6	5260.8
55°	14829.6	14820.5	14054.0	12126.9	9881.6	8899.9	8090.0	6799.2	6002.0	5622.3
57.5°	15352.0	15324.9	14632.5	13057.9	10933.7	9841.8	8867.4	7377.7	6497.3	6052.6
60°	15550.9	15534.6	15024.8	13862.4	12040.1	10883.1	9764.0	8024.9	7059.5	6560.6
62.5°	15626.8	15657.6	15409.9	14641.6	13224.2	12036.5	10749.3	8798.7	7692.3	7135.5
65°	15894.4	15950.4	15899.8	15661.2	14562.0	13386.9	12056.4	9718.9	8382.9	7751.9
67.5°	16424.1	16480.1	16501.8	16881.4	16196.3	15070.0	13687.0	10865.0	9191.0	8391.9
70°	16411.4	16395.1	16778.4	17852.2	18242.7	17400.3	15885.3	12275.1	10154.5	8923.4
72.5°	14938.0	14807.9	15713.6	17841.4	19945.7	19833.6	18570.0	14093.8	10986.1	8988.5
75°	11206.7	10859.6	12459.5	16078.8	20229.5	21214.8	20276.5	15221.9	10789.1	7941.8
77.5°	4792.5	4443.6	6329.2	11902.7	18105.3	19831.8	18711.0	13280.3	8612.5	5251.7
80°	1254.6	1252.8	1912.7	5396.3	12313.1	14645.2	12848.2	8576.3	4920.9	1876.5
82.5°	518.8	506.2	703.2	2098.9	6016.4	8218.4	6707.0	3825.4	1777.1	508.0
85°	193.4	191.6	341.7	724.9	2122.4	3389.7	2453.2	978.0	442.9	247.7
87.5°	54.2	52.4	74.1	251.3	517.0	784.6	419.4	160.9	124.7	97.6
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°
3897.7	0°	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7	3897.7
3904.9	2.5°	3910.3	3919.4	3935.6	3948.3	3964.6	3982.6	4007.9	4024.2	4040.5	4051.3
3913.9	5°	3926.6	3946.5	3988.1	4029.6	4078.4	4123.6	4176.1	4214.0	4244.8	4253.8
3946.5	7.5°	3962.7	3995.3	4065.8	4136.3	4214.0	4288.2	4364.1	4429.2	4481.6	4501.5
4004.3	10°	4026.0	4069.4	4168.8	4268.3	4371.3	4485.2	4582.8	4676.8	4751.0	4781.7
4073.0	12.5°	4105.6	4159.8	4290.0	4427.4	4570.2	4727.5	4854.0	4969.7	5061.9	5103.5
4168.8	15°	4208.6	4279.1	4445.4	4629.8	4839.5	5058.3	5219.2	5347.5	5450.6	5501.2
4268.3	17.5°	4320.7	4414.7	4624.4	4902.8	5202.9	5490.4	5678.4	5772.4	5879.0	5927.8
4360.5	20°	4429.2	4544.9	4845.0	5249.9	5649.4	5955.0	6106.8	6132.1	6139.4	6144.8
4447.2	22.5°	4541.2	4696.7	5121.6	5687.4	6115.9	6327.4	6349.1	6240.6	6088.7	6018.2
4532.2	25°	4664.2	4870.3	5483.1	6170.1	6517.2	6542.5	6376.2	6112.2	5824.8	5692.8
4600.9	27.5°	4783.5	5070.9	5917.0	6631.1	6806.5	6584.1	6226.1	5851.9	5504.8	5365.6
4649.7	30°	4902.8	5300.5	6396.1	7034.2	6938.4	6481.0	5989.3	5571.7	5222.8	5076.4
4693.1	32.5°	5023.9	5568.1	6947.5	7325.3	6914.9	6262.3	5694.6	5257.1	4949.8	4796.2
4731.1	35°	5161.3	5897.1	7469.9	7484.4	6757.6	5940.5	5306.0	4881.1	4613.6	4490.6
4776.3	37.5°	5340.3	6314.7	7930.9	7524.2	6482.9	5468.7	4823.3	4436.4	4215.8	4159.8
4843.2	40°	5562.7	6817.3	8283.4	7460.9	6076.1	4895.6	4295.4	3986.2	3861.5	3874.2
4933.5	42.5°	5851.9	7379.5	8531.1	7298.2	5510.2	4304.4	3832.6	3695.2	3754.8	3805.5
5069.1	45°	6227.9	7963.5	8684.8	7021.6	4870.3	3803.7	3559.6	3592.1	3637.3	3642.8
5287.9	47.5°	6708.8	8554.6	8786.0	6604.0	4217.6	3451.1	3386.1	3393.3	3384.2	3346.3
5615.1	50°	7309.0	9129.5	8876.4	6050.8	3662.6	3230.6	3143.8	3118.5	2993.8	2870.8
6050.8	52.5°	7992.4	9657.4	8914.4	5363.8	3230.6	3046.2	2905.2	2746.1	2512.9	2474.9
6598.6	55°	8751.7	10145.5	8816.8	4519.6	2867.2	2809.4	2596.0	2404.4	2379.1	2346.6
7319.9	57.5°	9659.2	10671.6	8617.9	3577.7	2494.8	2532.8	2324.9	2346.6	2301.4	2250.7
8247.3	60°	10651.7	11215.7	8269.0	2719.0	2109.7	2187.5	2254.4	2252.5	2239.9	2198.3
9225.3	62.5°	11544.8	11573.7	7582.0	2082.6	1771.7	1919.9	2102.5	2100.7	2089.8	2066.3
10246.7	65°	12076.3	11519.4	6435.8	1639.7	1493.3	1699.4	1896.4	1910.9	1912.7	1910.9
11015.1	67.5°	11982.2	10884.9	4863.0	1305.2	1263.7	1475.2	1692.1	1712.0	1726.5	1730.1
11112.7	70°	10919.2	9491.1	3170.9	1041.3	1059.4	1278.1	1498.7	1518.6	1531.2	1545.7
9642.9	72.5°	8511.2	6978.2	1815.1	842.4	880.4	1108.2	1307.1	1330.6	1337.8	1364.9
6710.6	75°	5186.6	4103.8	979.8	663.5	723.1	947.3	1117.2	1144.4	1157.0	1189.5
3295.7	77.5°	2465.9	1777.1	558.6	517.0	582.1	773.7	943.7	974.4	940.1	958.1
909.3	80°	833.4	659.9	352.5	394.1	444.7	603.8	755.7	786.4	714.1	710.5
301.9	82.5°	291.1	267.6	224.2	262.1	287.4	432.1	571.3	611.0	531.5	529.7
135.6	85°	113.9	108.5	124.7	142.8	171.7	265.7	376.0	395.9	327.2	263.9
39.8	87.5°	23.5	25.3	30.7	32.5	52.4	92.2	135.6	166.3	132.0	112.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
3897.7
4044.1
4257.4
4503.3
4783.5
5103.5
5497.6
5926.0
6159.3
6038.1
5712.7
5381.9
5092.6
4816.0
4517.7
4199.6
3917.6
3852.5
3678.9
3375.2
2887.1
2487.6
2352.0
2241.7
2183.8
2057.3
1910.9
1733.7
1552.9
1375.8
1193.2
943.7
703.2
504.4
260.3
103.0
0.0

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