

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: P850908

Luminaire Tested: **GLAN-SB8C-850-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850908  
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-SB8C-850-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52033 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

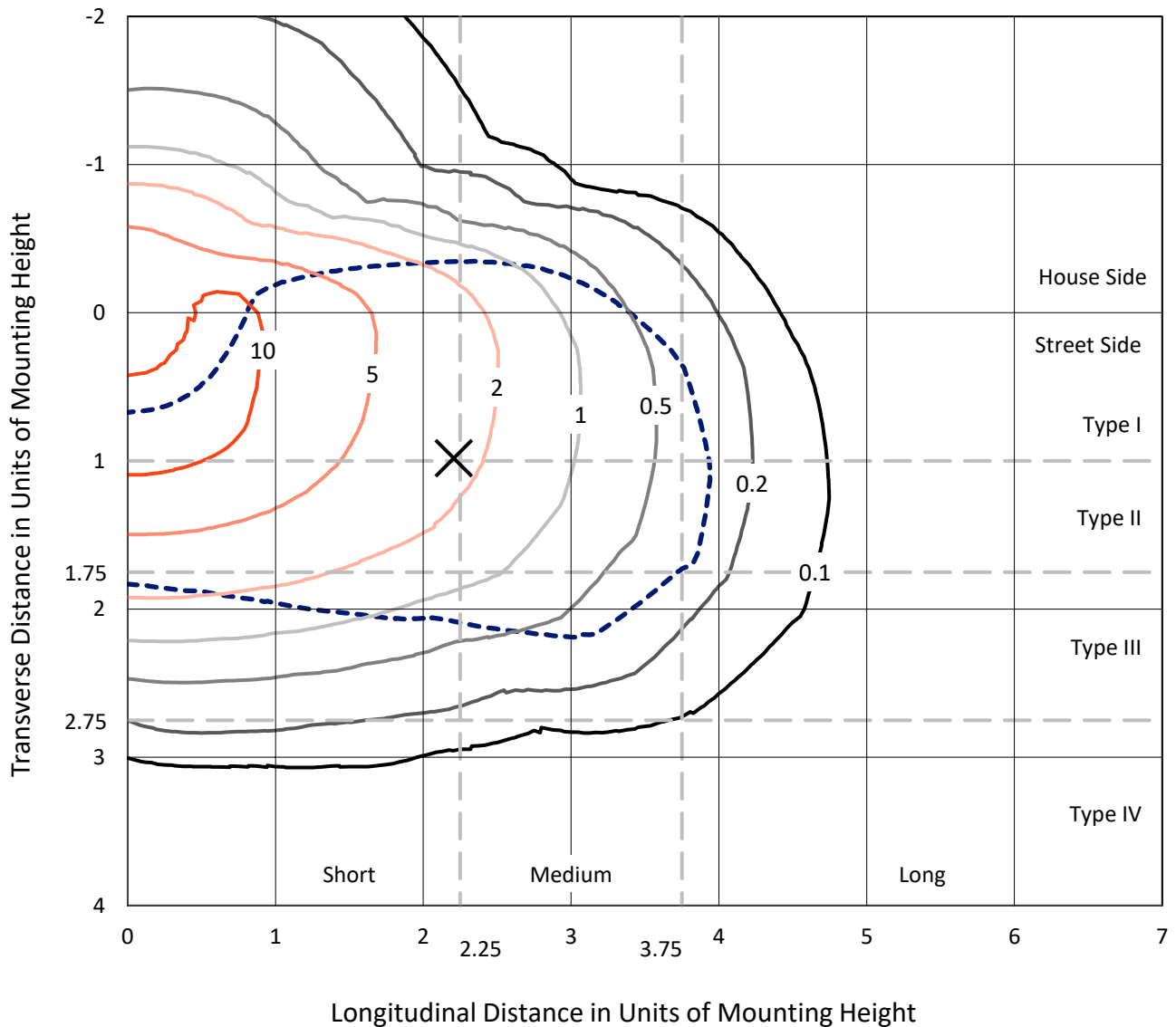
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

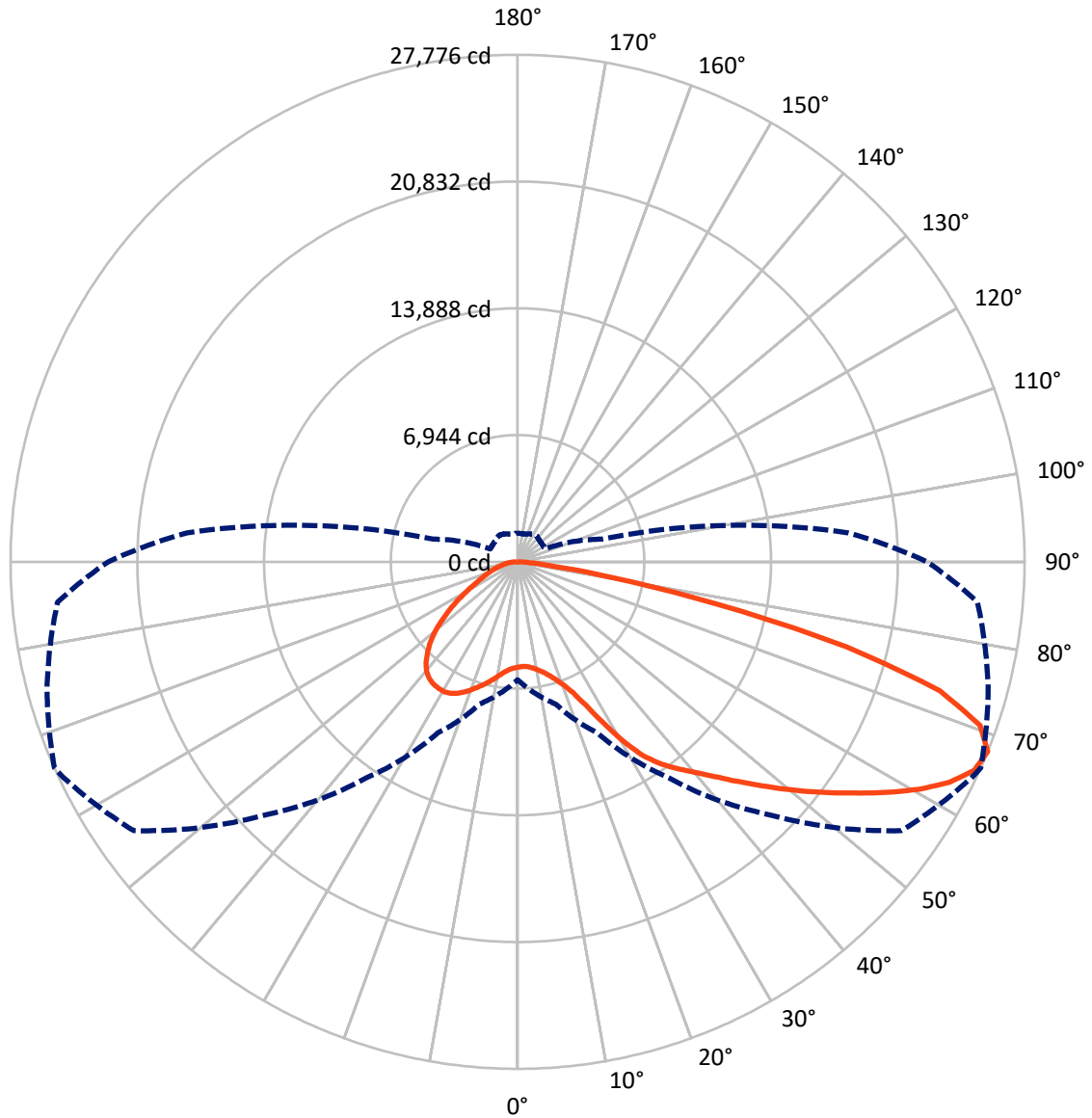
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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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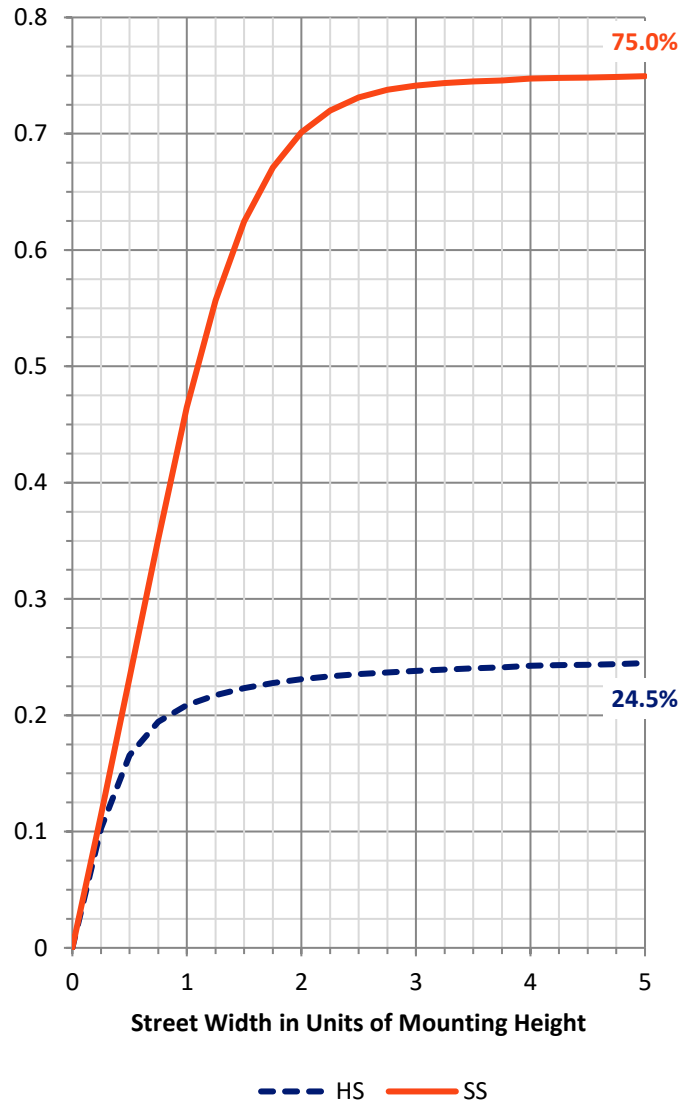
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12937.9	0.0	12937.9
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	39095.1	0.0	39095.1
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	52033.0	0.0	52033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	572.2	1.1
10°-20°	1890.4	3.6
20°-30°	3643.7	7.0
30°-40°	6388.8	12.3
40°-50°	9498.0	18.3
50°-60°	12039.6	23.1
60°-70°	11780.4	22.6
70°-80°	5619.4	10.8
80°-90°	600.6	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°	52033.0	100.0
0°-180°	52033.0	100.0

**Coefficient of Utilization**

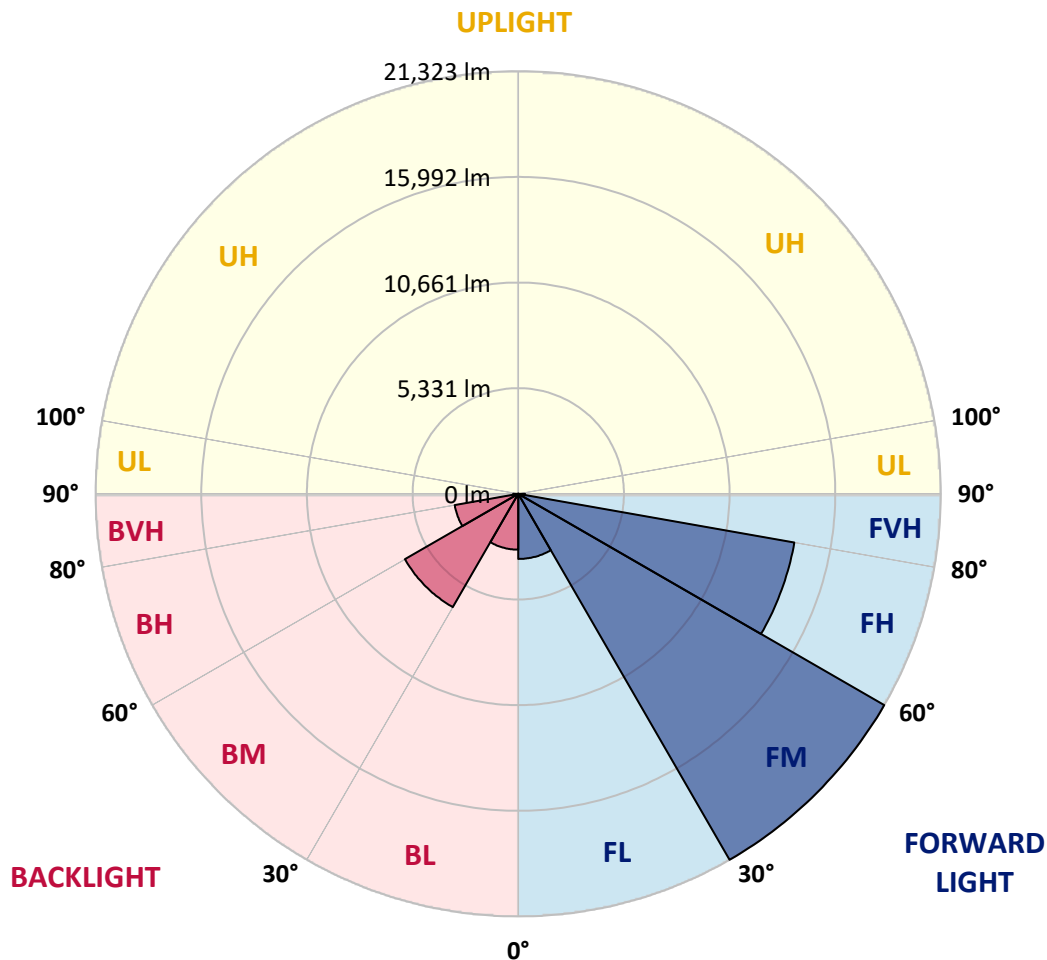


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3288.0	6.3			
FM (30°-60°)	21322.7	41.0			
FH (60°-80°)	14144.0	27.2			G5
FVH (80°-90°)	340.5	0.7			G3/500
BL (0°-30°)	2818.3	5.4	B4/5000		
BM (30°-60°)	6603.6	12.7	B4/8500		
BH (60°-80°)	3255.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	260.1	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1
2.5°	5711.0	5743.8	5735.6	5721.9	5719.2	5724.7	5732.9	5741.1	5738.3	5752.0
5°	5694.6	5727.4	5724.7	5724.7	5735.6	5757.5	5771.1	5784.8	5771.1	5787.6
7.5°	5705.5	5730.1	5741.1	5752.0	5779.3	5820.4	5853.2	5883.2	5866.8	5886.0
10°	5845.0	5864.1	5875.0	5875.0	5894.2	5940.6	5973.5	6028.1	6014.5	6044.5
12.5°	6099.2	6118.3	6118.3	6107.4	6121.1	6151.2	6162.1	6222.2	6197.6	6246.8
15°	6410.9	6449.1	6419.1	6399.9	6405.4	6435.5	6432.7	6479.2	6454.6	6495.6
17.5°	6755.3	6804.5	6755.3	6752.6	6741.7	6774.5	6777.2	6818.2	6774.5	6804.5
20°	7162.7	7231.0	7190.0	7203.7	7179.1	7192.7	7206.4	7266.6	7198.2	7220.1
22.5°	7736.8	7818.8	7775.1	7827.0	7810.6	7799.7	7796.9	7903.5	7796.9	7805.1
25°	8573.3	8671.8	8595.2	8666.3	8666.3	8701.8	8742.8	8879.5	8701.8	8649.9
27.5°	9809.0	9907.5	9757.1	9800.8	9787.2	9874.6	9830.9	10169.9	9978.5	9893.8
30°	11296.2	11471.2	11186.9	11176.0	11162.3	11301.7	11364.6	11588.8	11394.7	11309.9
32.5°	12903.7	13086.9	12747.9	12649.5	12597.6	12682.3	12630.4	12810.8	12676.8	12545.6
35°	14604.2	14784.6	14462.0	14270.7	14062.9	13885.2	13699.3	13745.8	13620.0	13420.4
37.5°	16211.7	16542.5	16200.8	15995.7	15613.0	15265.8	14746.4	14530.4	14412.8	14229.7
40°	17849.3	18037.9	17778.2	17603.2	17187.7	16643.6	15812.6	15356.0	15197.4	15019.7
42.5°	19054.9	19235.3	19095.9	18975.6	18650.3	18018.8	16944.4	16373.0	16143.4	15943.8
45°	20011.7	20145.7	20058.2	20102.0	19962.5	19350.2	18117.2	17463.8	17226.0	16982.6
47.5°	20397.2	20539.4	20678.8	20938.5	21176.4	20725.3	19377.5	18644.8	18393.3	18144.5
50°	20353.5	20498.4	20903.0	21455.2	22193.4	22043.0	20706.1	19902.4	19670.0	19385.7
52.5°	20003.5	20167.6	20687.0	21605.6	22781.1	23029.9	22059.4	21201.0	20982.3	20643.3
55°	19085.0	19183.4	19962.5	21263.8	22920.6	23718.8	23385.3	22584.3	22365.6	21892.6
57.5°	17381.8	17523.9	18658.5	20342.5	22570.6	24186.3	24549.9	24038.7	23828.2	23147.5
60°	15159.2	15386.1	16684.7	18795.2	21679.4	24183.6	25607.9	25468.5	25293.5	24383.2
62.5°	12644.0	12906.5	14155.9	16608.1	20121.1	23497.4	26269.5	26665.9	26575.7	25523.2
65°	9710.6	9891.1	11135.0	13778.6	17696.2	22023.9	26346.1	27483.3	27499.7	26389.8
67.5°	6465.5	6985.0	8064.8	10339.4	14448.4	19615.3	25673.5	27617.3	27775.9	26687.8
70°	3154.9	3838.3	4896.3	6719.8	10339.4	15921.9	23915.7	26518.3	26871.0	25818.4
72.5°	1309.5	1531.0	2107.8	3316.2	5935.2	10744.0	20383.6	23538.4	24191.8	22876.8
75°	883.0	956.8	1205.6	1700.5	2703.8	5298.2	14699.9	17551.3	18603.8	17277.9
77.5°	680.7	727.2	877.6	1189.2	1607.5	2003.9	7868.0	10577.2	11121.3	10295.7
80°	535.8	571.4	656.1	866.6	1140.0	1071.7	2681.9	4792.4	5106.8	4283.9
82.5°	464.8	478.4	470.2	587.8	757.3	626.1	880.3	1768.8	1952.0	1416.1
85°	336.3	374.5	390.9	363.6	401.9	317.1	360.9	626.1	688.9	615.1
87.5°	136.7	202.3	248.8	235.1	147.6	90.2	112.1	183.2	210.5	229.6
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°
5771.1	0°	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1	5771.1
5773.9	2.5°	5776.6	5795.8	5809.4	5825.8	5836.8	5853.2	5886.0	5905.1	5907.8	5921.5
5817.6	5°	5828.6	5855.9	5886.0	5929.7	5978.9	6019.9	6082.8	6126.5	6143.0	6156.6
5924.2	7.5°	5940.6	5978.9	6033.6	6110.1	6181.2	6235.9	6312.4	6364.4	6416.3	6435.5
6093.7	10°	6107.4	6162.1	6241.4	6345.3	6421.8	6492.9	6572.2	6615.9	6667.8	6689.7
6296.0	12.5°	6315.2	6372.6	6476.5	6621.4	6692.5	6741.7	6769.0	6758.1	6769.0	6788.1
6539.4	15°	6553.0	6615.9	6733.5	6889.3	6938.5	6894.8	6834.6	6779.9	6771.7	6777.2
6834.6	17.5°	6834.6	6881.1	7017.8	7149.0	7113.5	6933.0	6801.8	6714.3	6670.6	6656.9
7211.9	20°	7228.3	7228.3	7340.4	7422.4	7184.5	6878.4	6673.3	6531.2	6440.9	6402.7
7725.8	22.5°	7706.7	7663.0	7734.0	7676.6	7170.9	6725.3	6440.9	6194.9	6058.2	6003.5
8444.8	25°	8313.6	8261.7	8242.5	7887.1	7072.5	6481.9	6019.9	5721.9	5601.6	5571.6
9481.0	27.5°	9229.5	9098.2	8849.5	8002.0	6892.0	6099.2	5527.8	5251.7	5183.4	5186.1
10812.4	30°	10448.8	10186.3	9576.7	8021.1	6596.8	5557.9	5024.8	4828.0	4795.2	4808.8
11930.5	32.5°	11577.8	11329.1	10320.3	7933.6	6143.0	5027.5	4573.7	4442.5	4393.3	4409.7
12783.5	35°	12463.6	12395.3	11009.2	7810.6	5585.2	4530.0	4169.1	4057.0	3961.3	3939.5
13587.2	37.5°	13300.2	13272.8	11525.9	7638.4	5033.0	4177.3	3843.8	3696.2	3556.7	3480.2
14475.7	40°	14218.7	14191.4	11864.9	7373.2	4543.7	3871.1	3551.3	3357.2	3184.9	3045.5
15481.8	42.5°	15252.1	15090.8	12026.2	6993.2	4128.1	3611.4	3313.4	3051.0	2824.1	2695.6
16619.0	45°	16381.2	16017.6	12023.5	6509.3	3778.2	3373.6	3059.2	2687.4	2476.9	2356.6
17786.4	47.5°	17578.6	16903.4	11875.8	5973.5	3439.2	3111.1	2665.5	2381.2	2241.8	2167.9
19054.9	50°	18814.3	17731.7	11624.3	5358.3	3092.0	2813.1	2419.5	2225.4	2118.7	2050.4
20312.5	52.5°	19976.2	18483.5	11320.9	4661.2	2739.3	2523.3	2310.1	2159.7	2047.7	1971.1
21531.8	55°	21056.1	19131.4	10891.6	3947.7	2452.3	2329.2	2258.2	2132.4	2003.9	1913.7
22770.2	57.5°	22015.7	19552.5	10150.8	3277.9	2247.2	2195.3	2203.5	2085.9	1938.3	1861.7
23989.5	60°	22813.9	19861.4	9054.5	2657.3	2080.5	2064.1	2118.7	1998.4	1826.2	1738.7
25020.2	62.5°	23292.4	19855.9	7709.4	2176.1	1938.3	1943.8	2006.6	1889.1	1714.1	1632.1
25558.7	65°	23251.4	19369.3	6233.2	1861.7	1801.6	1807.1	1889.1	1768.8	1621.2	1572.0
25288.1	67.5°	22428.5	18182.8	4781.5	1656.7	1651.2	1675.8	1771.5	1686.8	1563.8	1558.3
23675.1	70°	20200.4	15719.6	3444.6	1492.7	1495.4	1531.0	1656.7	1634.8	1533.7	1544.6
19905.1	72.5°	16198.0	11985.2	2312.8	1320.4	1323.2	1380.6	1547.4	1593.8	1503.6	1648.5
14123.0	75°	10787.8	7474.3	1487.2	1137.3	1140.0	1213.8	1451.7	1514.6	1421.6	1643.0
7348.6	77.5°	5183.4	3359.9	1077.1	956.8	956.8	1025.2	1254.8	1356.0	1211.1	1276.7
2362.0	80°	1790.7	1263.0	847.5	770.9	754.5	801.0	1058.0	1175.6	1044.3	962.3
770.9	82.5°	705.3	656.1	680.7	598.7	544.0	574.1	822.9	970.5	768.2	694.4
434.7	85°	404.6	426.5	481.2	396.4	314.4	352.7	604.2	697.1	579.6	511.2
142.2	87.5°	109.4	150.4	221.4	205.0	142.2	150.4	287.1	385.5	333.5	257.0
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°
5771.1
5918.8
6153.9
6438.2
6700.7
6793.6
6796.3
6676.1
6394.5
5995.3
5577.0
5194.3
4855.3
4431.6
3955.9
3482.9
3059.2
2703.8
2351.1
2151.5
2025.8
1938.3
1878.2
1812.5
1700.5
1607.5
1569.2
1566.5
1541.9
1670.4
1656.7
1170.1
902.2
691.7
522.2
265.2
0.0

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