

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: P850738

Luminaire Tested: **GLAN-SB8B-850-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850738  
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-SB8B-850-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39124 lumens  
Efficiency: N/A  
Efficacy: 133.6 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

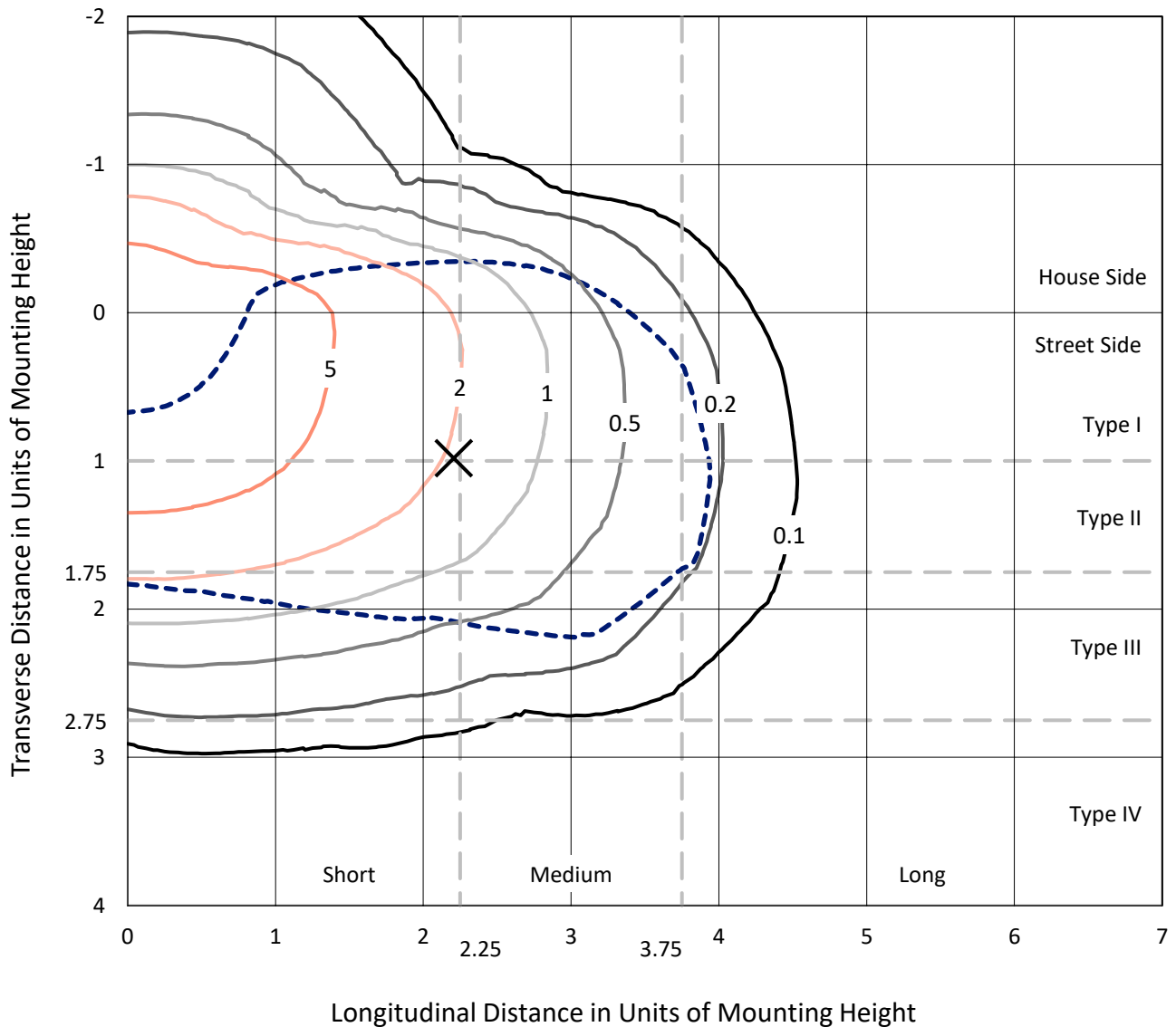
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

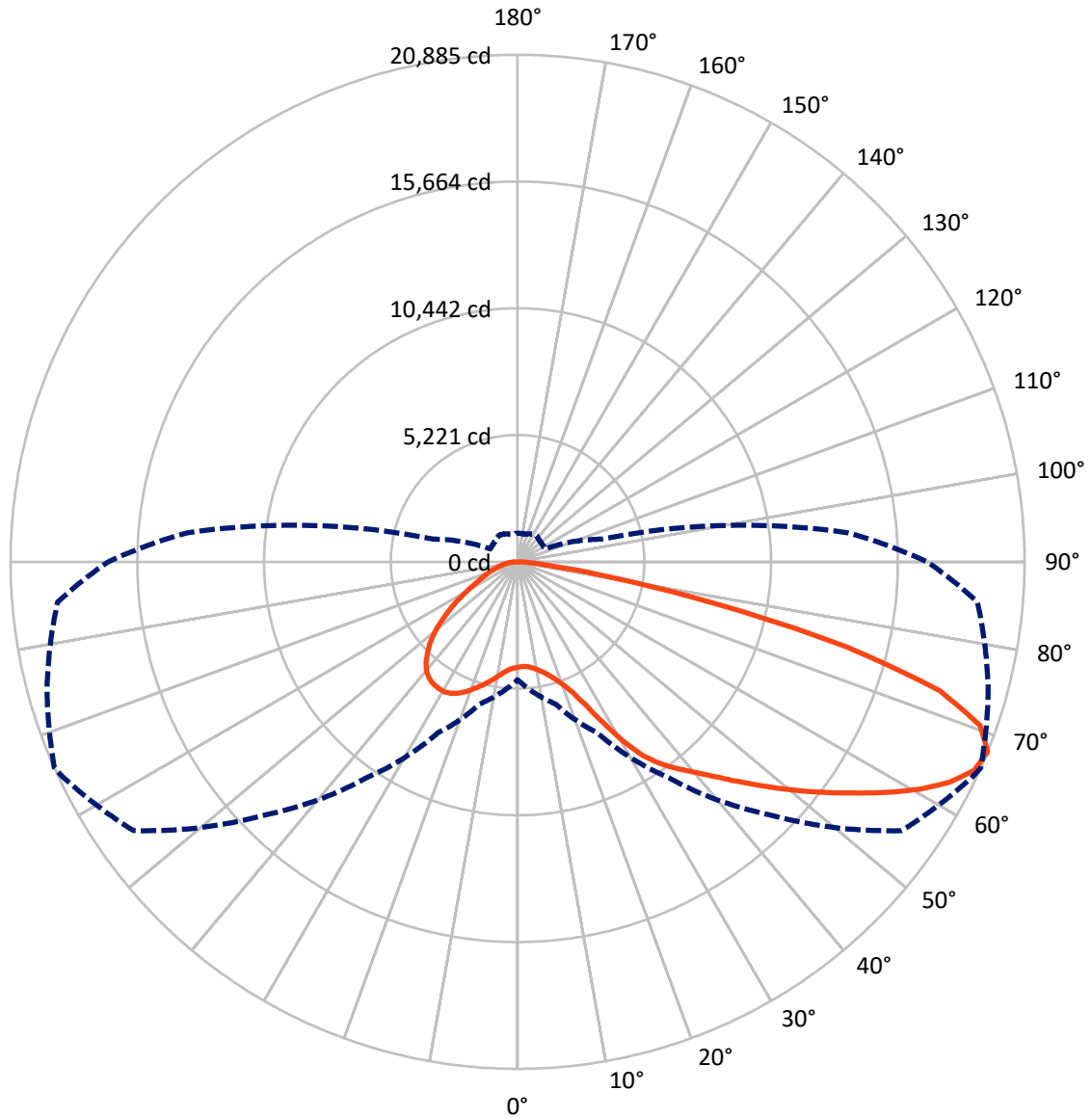
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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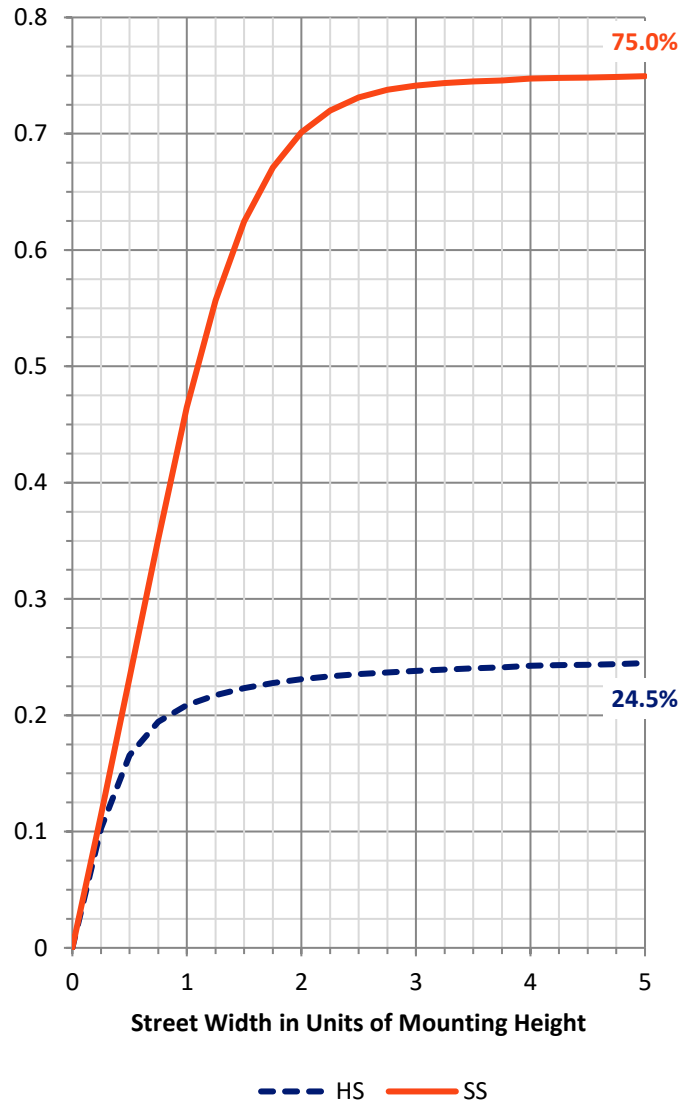
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9728.1	0.0	9728.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	29395.9	0.0	29395.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	39124.0	0.0	39124.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.2	1.1
10°-20°	1421.4	3.6
20°-30°	2739.7	7.0
30°-40°	4803.7	12.3
40°-50°	7141.6	18.3
50°-60°	9052.7	23.1
60°-70°	8857.8	22.6
70°-80°	4225.3	10.8
80°-90°	451.6	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°	39124.0	100.0
0°-180°	39124.0	100.0

**Coefficient of Utilization**



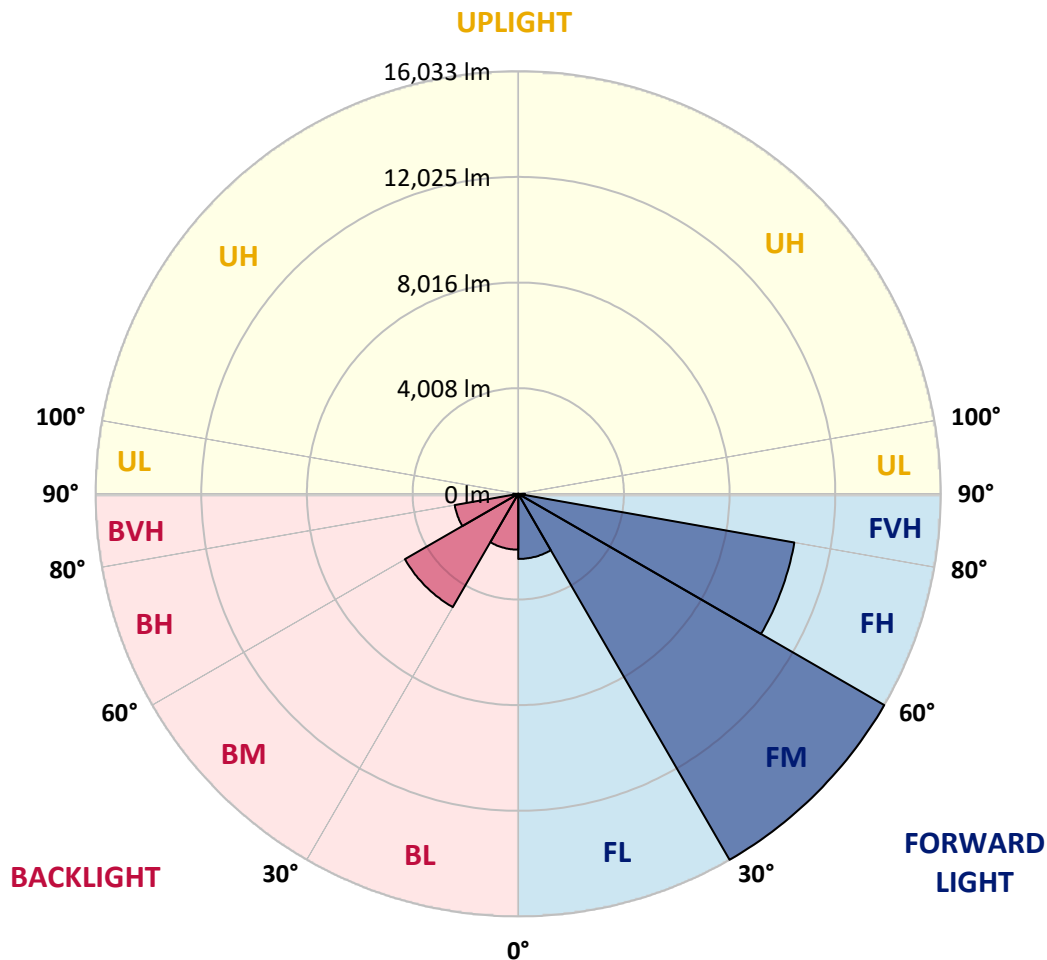
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2472.2	6.3			
FM (30°-60°)	16032.7	41.0			
FH (60°-80°)	10635.0	27.2			G4/12000
FVH (80°-90°)	256.0	0.7			G3/500
BL (0°-30°)	2119.1	5.4	B3/2500		
BM (30°-60°)	4965.3	12.7	B3/5000		
BH (60°-80°)	2448.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	195.5	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°	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4
2.5°	4294.1	4318.8	4312.6	4302.4	4300.3	4304.4	4310.6	4316.8	4314.7	4325.0
5°	4281.8	4306.5	4304.4	4304.4	4312.6	4329.1	4339.4	4349.6	4339.4	4351.7
7.5°	4290.0	4308.5	4316.8	4325.0	4345.5	4376.4	4401.0	4423.6	4411.3	4425.7
10°	4394.9	4409.3	4417.5	4417.5	4431.9	4466.8	4491.5	4532.6	4522.3	4544.9
12.5°	4586.0	4600.4	4600.4	4592.2	4602.5	4625.1	4633.3	4678.5	4660.0	4697.0
15°	4820.4	4849.2	4826.5	4812.2	4816.3	4838.9	4836.8	4871.8	4853.3	4884.1
17.5°	5079.4	5116.4	5079.4	5077.3	5069.1	5093.8	5095.8	5126.7	5093.8	5116.4
20°	5385.7	5437.1	5406.2	5416.5	5398.0	5408.3	5418.6	5463.8	5412.4	5428.8
22.5°	5817.3	5879.0	5846.1	5885.2	5872.8	5864.6	5862.6	5942.7	5862.6	5868.7
25°	6446.4	6520.4	6462.8	6516.2	6516.2	6543.0	6573.8	6676.6	6543.0	6503.9
27.5°	7375.5	7449.5	7336.4	7369.3	7359.0	7424.8	7391.9	7646.8	7502.9	7439.2
30°	8493.7	8625.3	8411.5	8403.3	8393.0	8497.8	8545.1	8713.7	8567.7	8504.0
32.5°	9702.4	9840.2	9585.3	9511.3	9472.2	9535.9	9496.9	9632.5	9531.8	9433.1
35°	10981.0	11116.7	10874.1	10730.2	10574.0	10440.4	10300.6	10335.5	10241.0	10090.9
37.5°	12189.7	12438.4	12181.5	12027.3	11739.5	11478.5	11087.9	10925.5	10837.1	10699.4
40°	13421.0	13562.8	13367.6	13236.0	12923.5	12514.5	11889.6	11546.3	11427.1	11293.5
42.5°	14327.5	14463.2	14358.4	14267.9	14023.3	13548.5	12740.6	12311.0	12138.3	11988.3
45°	15047.0	15147.7	15081.9	15114.8	15010.0	14549.5	13622.5	13131.2	12952.3	12769.4
47.5°	15336.8	15443.7	15548.5	15743.8	15922.7	15583.5	14570.1	14019.2	13830.1	13643.0
50°	15303.9	15412.9	15717.1	16132.3	16687.3	16574.3	15569.1	14964.8	14790.0	14576.2
52.5°	15040.8	15164.2	15554.7	16245.4	17129.3	17316.4	16586.6	15941.2	15776.7	15521.8
55°	14350.1	14424.1	15010.0	15988.4	17234.1	17834.4	17583.6	16981.3	16816.9	16461.2
57.5°	13069.5	13176.4	14029.5	15295.7	16971.0	18185.9	18459.3	18074.9	17916.6	17404.8
60°	11398.3	11568.9	12545.3	14132.2	16300.9	18183.8	19254.8	19150.0	19018.4	18333.9
62.5°	9507.1	9704.5	10643.9	12487.8	15129.2	17667.9	19752.2	20050.3	19982.5	19191.1
65°	7301.5	7437.2	8372.5	10360.2	13305.9	16559.9	19809.8	20664.9	20677.3	19842.7
67.5°	4861.5	5252.1	6064.0	7774.3	10863.8	14748.9	19304.1	20765.7	20884.9	20066.8
70°	2372.2	2886.1	3681.6	5052.7	7774.3	11971.8	17982.4	19939.3	20204.5	19413.1
72.5°	984.6	1151.1	1584.9	2493.4	4462.7	8078.5	15326.5	17698.7	18190.0	17201.2
75°	664.0	719.5	906.5	1278.6	2033.0	3983.8	11053.0	13196.9	13988.3	12991.4
77.5°	511.8	546.8	659.8	894.2	1208.7	1506.8	5916.0	7953.1	8362.2	7741.4
80°	402.9	429.6	493.3	651.6	857.2	805.8	2016.5	3603.5	3839.9	3221.1
82.5°	349.5	359.7	353.6	442.0	569.4	470.7	661.9	1330.0	1467.7	1064.8
85°	252.8	281.6	294.0	273.4	302.2	238.4	271.3	470.7	518.0	462.5
87.5°	102.8	152.1	187.1	176.8	111.0	67.8	84.3	137.7	158.3	172.7
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°
4339.4	0°	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4	4339.4
4341.4	2.5°	4343.5	4357.9	4368.1	4380.5	4388.7	4401.0	4425.7	4440.1	4442.1	4452.4
4374.3	5°	4382.5	4403.1	4425.7	4458.6	4495.6	4526.4	4573.7	4606.6	4618.9	4629.2
4454.5	7.5°	4466.8	4495.6	4536.7	4594.3	4647.7	4688.8	4746.4	4785.4	4824.5	4838.9
4581.9	10°	4592.2	4633.3	4692.9	4771.0	4828.6	4882.0	4941.7	4974.5	5013.6	5030.0
4734.0	12.5°	4748.4	4791.6	4869.7	4978.7	5032.1	5069.1	5089.7	5081.4	5089.7	5104.1
4917.0	15°	4927.3	4974.5	5062.9	5180.1	5217.1	5184.2	5139.0	5097.9	5091.7	5095.8
5139.0	17.5°	5139.0	5173.9	5276.7	5375.4	5348.7	5213.0	5114.3	5048.6	5015.7	5005.4
5422.7	20°	5435.0	5435.0	5519.3	5581.0	5402.1	5171.9	5017.7	4910.8	4843.0	4814.2
5809.1	22.5°	5794.7	5761.8	5815.3	5772.1	5391.8	5056.8	4843.0	4658.0	4555.2	4514.1
6349.7	25°	6251.1	6212.0	6197.6	5930.4	5317.8	4873.8	4526.4	4302.4	4211.9	4189.3
7128.8	27.5°	6939.7	6841.0	6654.0	6016.7	5182.2	4586.0	4156.4	3948.8	3897.4	3899.5
8129.9	30°	7856.5	7659.2	7200.8	6031.1	4960.2	4179.0	3778.2	3630.2	3605.5	3615.8
8970.6	32.5°	8705.5	8518.4	7759.9	5965.3	4618.9	3780.2	3439.0	3340.3	3303.3	3315.7
9612.0	35°	9371.5	9320.1	8277.9	5872.8	4199.6	3406.1	3134.8	3050.5	2978.6	2962.1
10216.3	37.5°	10000.5	9979.9	8666.4	5743.3	3784.4	3141.0	2890.2	2779.2	2674.3	2616.8
10884.4	40°	10691.2	10670.6	8921.3	5543.9	3416.4	2910.7	2670.2	2524.3	2394.8	2289.9
11640.9	42.5°	11468.2	11346.9	9042.6	5258.2	3104.0	2715.4	2491.4	2294.0	2123.4	2026.8
12496.0	45°	12317.1	12043.8	9040.5	4894.4	2840.8	2536.6	2300.2	2020.7	1862.4	1771.9
13373.7	47.5°	13217.5	12709.8	8929.5	4491.5	2585.9	2339.3	2004.2	1790.4	1685.6	1630.1
14327.5	50°	14146.6	13332.6	8740.4	4029.0	2324.9	2115.2	1819.2	1673.3	1593.1	1541.7
15273.1	52.5°	15020.3	13897.9	8512.2	3504.8	2059.7	1897.3	1737.0	1623.9	1539.6	1482.1
16189.9	55°	15832.2	14385.1	8189.5	2968.3	1843.9	1751.4	1697.9	1603.4	1506.8	1438.9
17121.1	57.5°	16553.7	14701.6	7632.4	2464.7	1689.7	1650.6	1656.8	1568.4	1457.4	1399.9
18037.9	60°	17154.0	14933.9	6808.1	1998.0	1564.3	1552.0	1593.1	1502.6	1373.1	1307.4
18812.8	62.5°	17513.7	14929.8	5796.8	1636.3	1457.4	1461.5	1508.8	1420.4	1288.9	1227.2
19217.8	65°	17482.9	14563.9	4686.8	1399.9	1354.6	1358.8	1420.4	1330.0	1219.0	1182.0
19014.3	67.5°	16864.1	13671.8	3595.2	1245.7	1241.6	1260.1	1332.0	1268.3	1175.8	1171.7
17801.5	70°	15188.8	11819.7	2590.1	1122.4	1124.4	1151.1	1245.7	1229.2	1153.2	1161.4
14966.8	72.5°	12179.4	9011.7	1739.0	992.9	994.9	1038.1	1163.5	1198.4	1130.6	1239.5
10619.2	75°	8111.4	5620.0	1118.2	855.1	857.2	912.7	1091.5	1138.8	1068.9	1235.4
5525.4	77.5°	3897.4	2526.3	809.9	719.5	719.5	770.8	943.5	1019.6	910.6	960.0
1776.0	80°	1346.4	949.7	637.2	579.7	567.3	602.3	795.5	883.9	785.2	723.6
579.7	82.5°	530.3	493.3	511.8	450.2	409.1	431.7	618.7	729.7	577.6	522.1
326.8	85°	304.2	320.7	361.8	298.1	236.4	265.2	454.3	524.2	435.8	384.4
106.9	87.5°	82.2	113.1	166.5	154.2	106.9	113.1	215.8	289.8	250.8	193.2
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°
4339.4
4450.4
4627.2
4840.9
5038.3
5108.2
5110.2
5019.8
4808.0
4507.9
4193.4
3905.6
3650.7
3332.1
2974.5
2618.8
2300.2
2033.0
1767.8
1617.8
1523.2
1457.4
1412.2
1362.9
1278.6
1208.7
1179.9
1177.9
1159.4
1256.0
1245.7
879.8
678.3
520.1
392.6
199.4
0.0

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