

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: P851168

Luminaire Tested: **GLAN-SB9A-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851168  
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-SB9A-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40121 lumens  
Efficiency: N/A  
Efficacy: 157.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

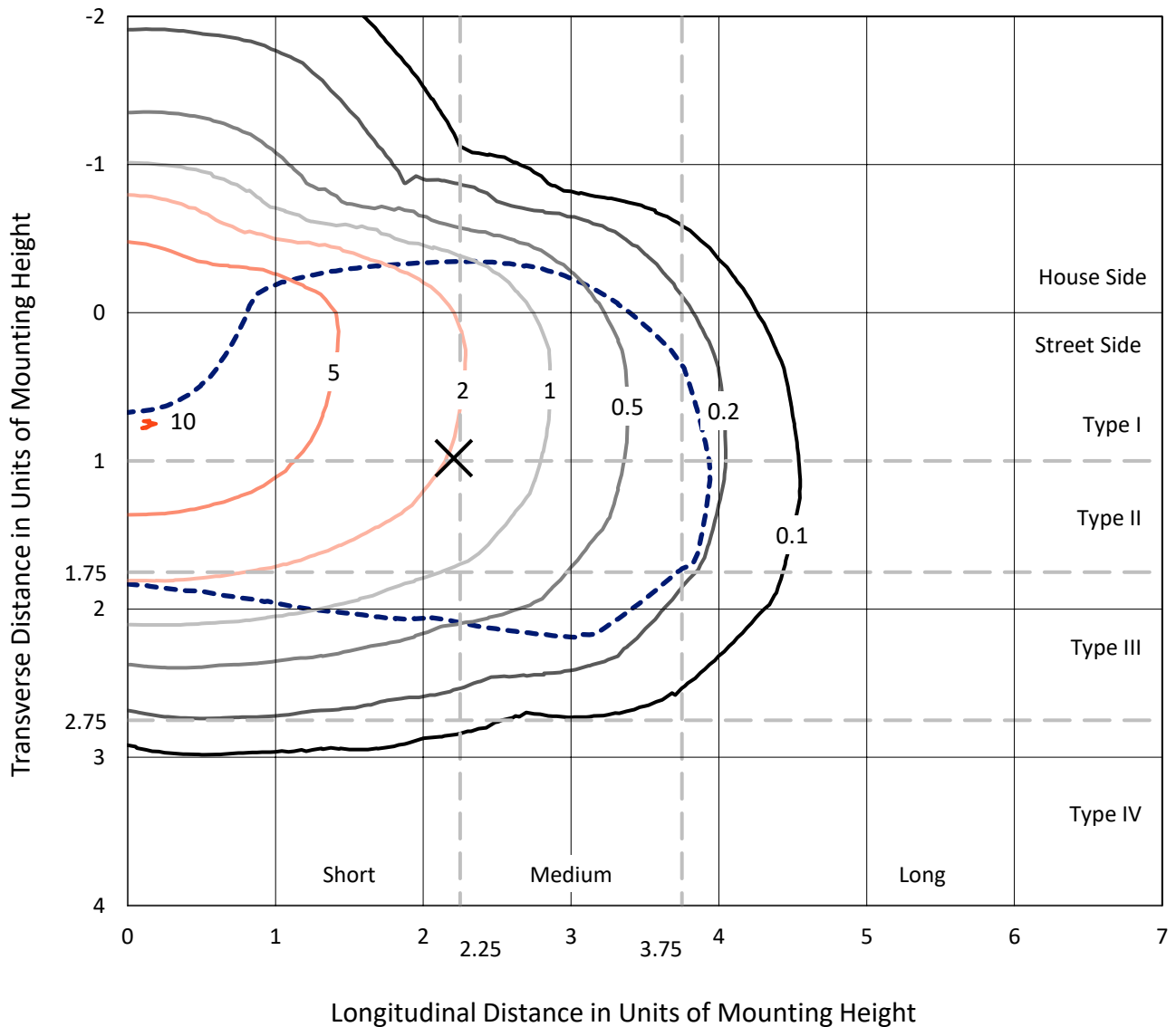
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

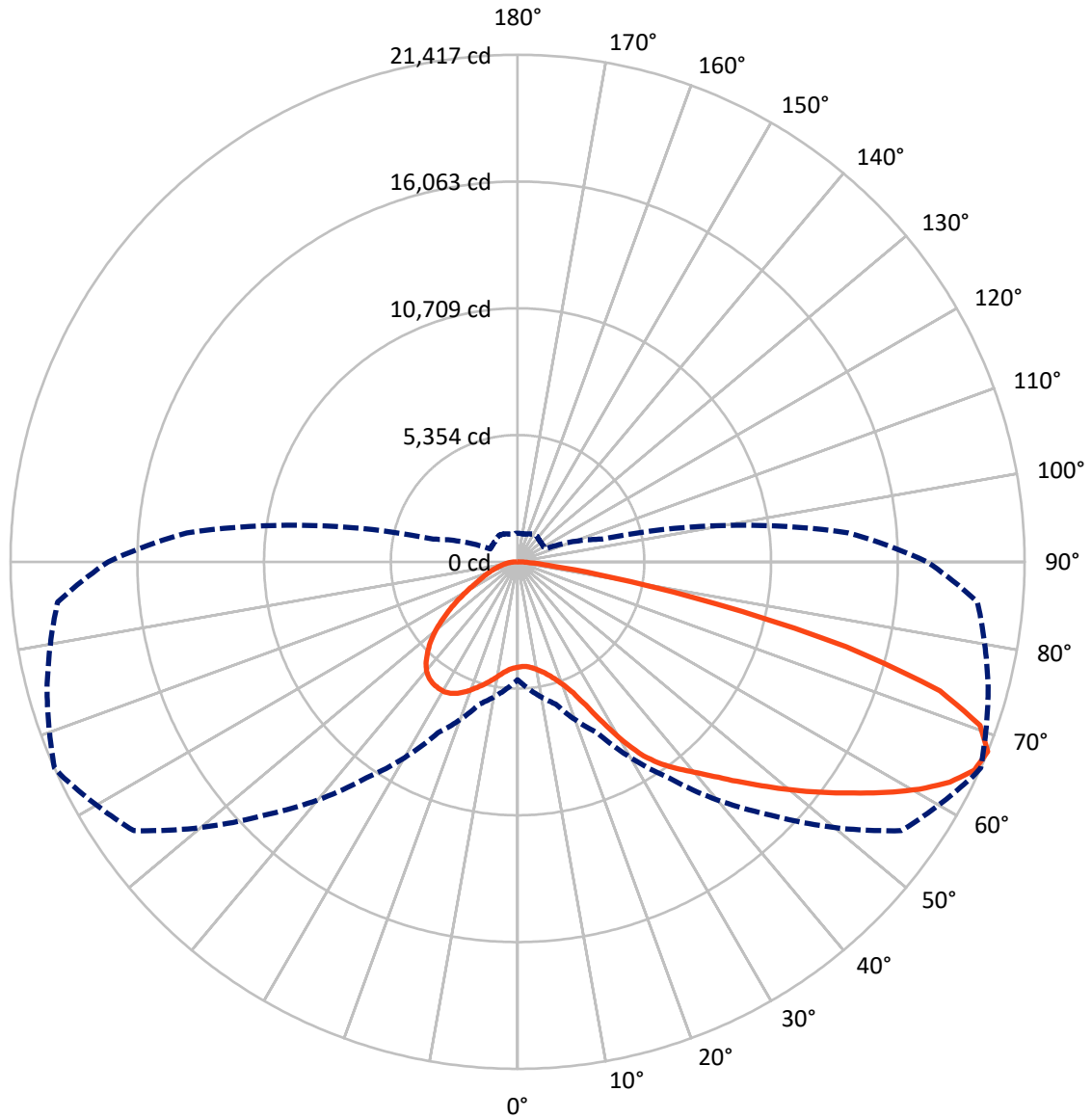
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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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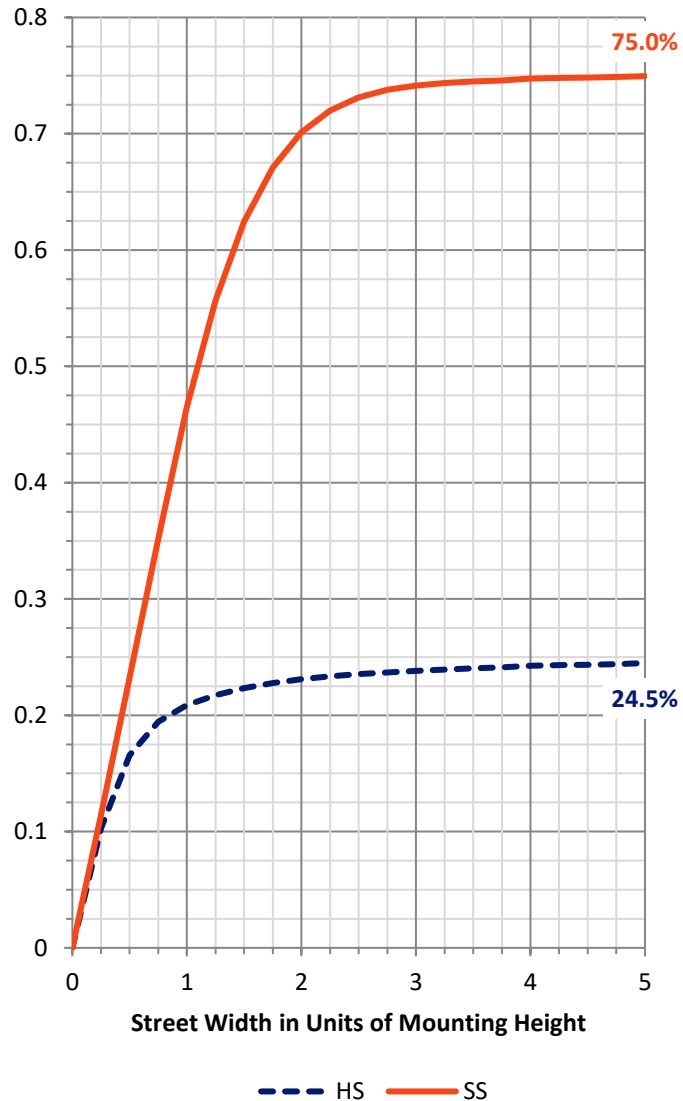
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9976.0	0.0	9976.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	30145.0	0.0	30145.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	40121.0	0.0	40121.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.2	1.1
10°-20°	1457.6	3.6
20°-30°	2809.5	7.0
30°-40°	4926.2	12.3
40°-50°	7323.6	18.3
50°-60°	9283.4	23.1
60°-70°	9083.5	22.6
70°-80°	4332.9	10.8
80°-90°	463.1	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°	40121.0	100.0
0°-180°	40121.0	100.0

**Coefficient of Utilization**

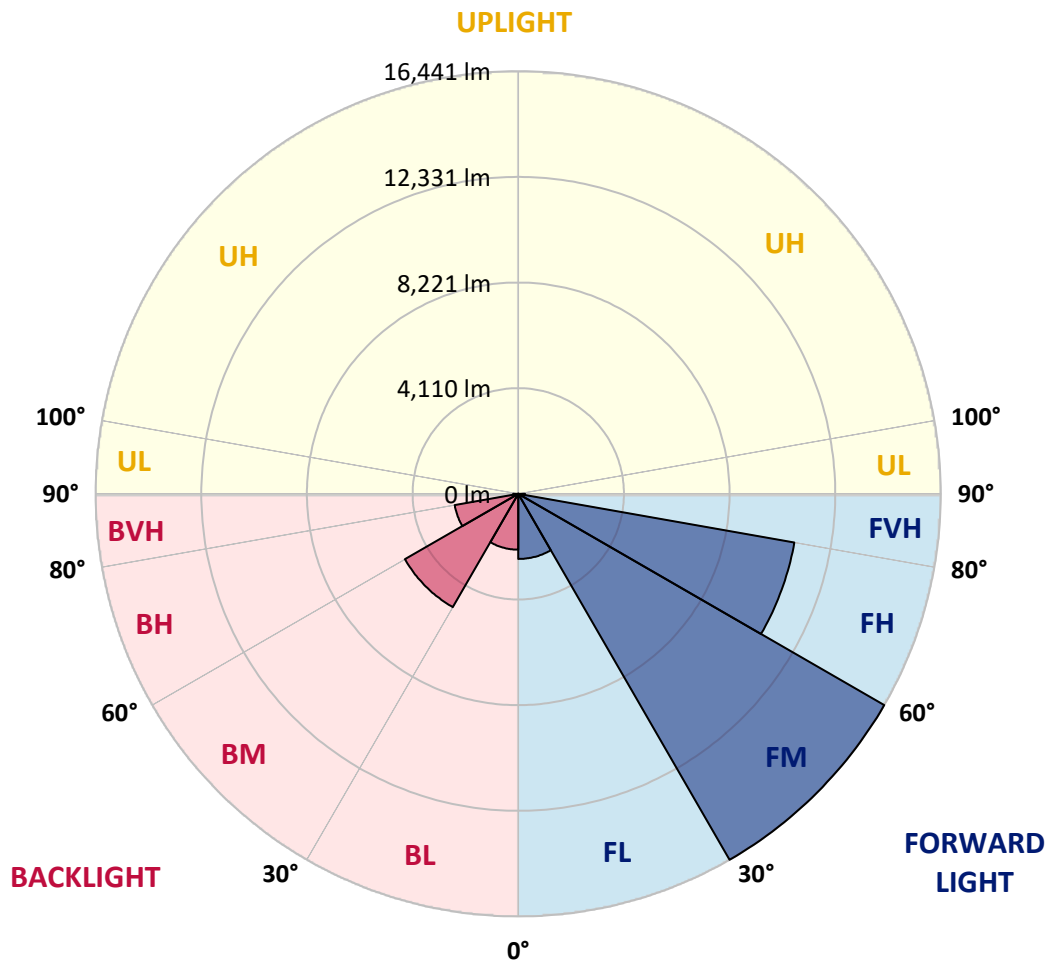


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2535.3	6.3			
FM (30°-60°)	16441.3	41.0			
FH (60°-80°)	10906.0	27.2			G4/12000
FVH (80°-90°)	262.5	0.7			G3/500
BL (0°-30°)	2173.1	5.4	B3/2500		
BM (30°-60°)	5091.8	12.7	B4/8500		
BH (60°-80°)	2510.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	200.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9
2.5°	4403.6	4428.9	4422.5	4412.0	4409.9	4414.1	4420.4	4426.8	4424.7	4435.2
5°	4390.9	4416.2	4414.1	4414.1	4422.5	4439.4	4449.9	4460.5	4449.9	4462.6
7.5°	4399.4	4418.3	4426.8	4435.2	4456.3	4487.9	4513.2	4536.4	4523.7	4538.5
10°	4506.9	4521.6	4530.1	4530.1	4544.8	4580.6	4605.9	4648.1	4637.6	4660.7
12.5°	4702.9	4717.7	4717.7	4709.2	4719.8	4743.0	4751.4	4797.8	4778.8	4816.7
15°	4943.2	4972.7	4949.5	4934.8	4939.0	4962.2	4960.1	4995.9	4976.9	5008.6
17.5°	5208.8	5246.8	5208.8	5206.7	5198.3	5223.6	5225.7	5257.3	5223.6	5246.8
20°	5522.9	5575.6	5544.0	5554.5	5535.6	5546.1	5556.6	5603.0	5550.3	5567.2
22.5°	5965.6	6028.8	5995.1	6035.2	6022.5	6014.1	6012.0	6094.2	6012.0	6018.3
25°	6610.6	6686.5	6627.5	6682.3	6682.3	6709.7	6741.3	6846.7	6709.7	6669.7
27.5°	7563.4	7639.3	7523.4	7557.1	7546.6	7614.0	7580.3	7841.7	7694.1	7628.8
30°	8710.2	8845.1	8625.9	8617.4	8606.9	8714.4	8762.9	8935.7	8786.1	8720.7
32.5°	9949.7	10090.9	9829.5	9753.6	9713.6	9778.9	9738.9	9878.0	9774.7	9673.5
35°	11260.8	11400.0	11151.2	11003.7	10843.5	10706.4	10563.1	10598.9	10502.0	10348.1
37.5°	12500.3	12755.4	12491.9	12333.8	12038.7	11771.0	11370.5	11203.9	11113.3	10972.0
40°	13763.0	13908.5	13708.2	13573.3	13252.9	12833.4	12192.6	11840.5	11718.3	11581.3
42.5°	14692.6	14831.8	14724.3	14631.5	14380.7	13893.7	13065.3	12624.7	12447.6	12293.7
45°	15430.4	15533.7	15466.3	15500.0	15392.5	14920.3	13969.6	13465.8	13282.4	13094.8
47.5°	15727.7	15837.3	15944.8	16145.0	16328.4	15980.6	14941.4	14376.4	14182.5	13990.7
50°	15693.9	15805.6	16117.6	16543.4	17112.6	16996.7	15965.9	15346.1	15166.9	14947.7
52.5°	15424.1	15550.6	15951.1	16659.4	17565.8	17757.6	17009.3	16347.4	16178.8	15917.4
55°	14715.8	14791.7	15392.5	16395.9	17673.3	18288.8	18031.7	17414.0	17245.4	16880.7
57.5°	13402.5	13512.2	14387.0	15685.5	17403.5	18649.3	18929.7	18535.5	18373.2	17848.3
60°	11688.8	11863.7	12865.0	14492.4	16716.3	18647.2	19745.5	19638.0	19503.0	18801.1
62.5°	9749.4	9951.8	10915.1	12806.0	15514.7	18118.1	20255.6	20561.3	20491.7	19680.1
65°	7487.6	7626.7	8585.8	10624.2	13645.0	16981.9	20314.6	21191.5	21204.2	20348.3
67.5°	4985.4	5385.9	6218.5	7972.4	11140.7	15124.8	19796.1	21294.8	21417.1	20578.1
70°	2432.6	2959.6	3775.4	5181.4	7972.4	12276.9	18440.6	20447.4	20719.4	19907.8
72.5°	1009.7	1180.5	1625.3	2557.0	4576.4	8284.4	15717.1	18149.7	18653.5	17639.6
75°	680.9	737.8	929.6	1311.2	2084.8	4085.3	11334.6	13533.2	14344.8	13322.4
77.5°	524.9	560.7	676.7	917.0	1239.5	1545.2	6066.8	8155.8	8575.3	7938.7
80°	413.2	440.6	505.9	668.2	879.0	826.3	2067.9	3695.3	3937.7	3303.2
82.5°	358.4	368.9	362.6	453.2	583.9	482.7	678.8	1363.9	1505.1	1091.9
85°	259.3	288.8	301.4	280.4	309.9	244.5	278.3	482.7	531.2	474.3
87.5°	105.4	156.0	191.8	181.3	113.8	69.6	86.4	141.2	162.3	177.1
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°
4449.9	0°	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9	4449.9
4452.1	2.5°	4454.2	4468.9	4479.5	4492.1	4500.5	4513.2	4538.5	4553.2	4555.3	4565.9
4485.8	5°	4494.2	4515.3	4538.5	4572.2	4610.2	4641.8	4690.3	4724.0	4736.6	4747.2
4568.0	7.5°	4580.6	4610.2	4652.3	4711.3	4766.1	4808.3	4867.3	4907.4	4947.4	4962.2
4698.7	10°	4709.2	4751.4	4812.5	4892.6	4951.6	5006.5	5067.6	5101.3	5141.4	5158.2
4854.7	12.5°	4869.4	4913.7	4993.8	5105.5	5160.3	5198.3	5219.4	5210.9	5219.4	5234.1
5042.3	15°	5052.8	5101.3	5192.0	5312.1	5350.1	5316.3	5270.0	5227.8	5221.5	5225.7
5270.0	17.5°	5270.0	5305.8	5411.2	5512.4	5485.0	5345.8	5244.7	5177.2	5143.5	5132.9
5560.9	20°	5573.5	5573.5	5659.9	5723.2	5539.8	5303.7	5145.6	5036.0	4966.4	4936.9
5957.2	22.5°	5942.4	5908.7	5963.5	5919.2	5529.2	5185.6	4966.4	4776.7	4671.3	4629.1
6511.6	25°	6410.4	6370.3	6355.6	6081.5	5453.3	4998.0	4641.8	4412.0	4319.3	4296.1
7310.5	27.5°	7116.5	7015.4	6823.5	6170.1	5314.2	4702.9	4262.3	4049.4	3996.7	3998.8
8337.1	30°	8056.7	7854.3	7384.3	6184.8	5086.6	4285.5	3874.5	3722.7	3697.4	3707.9
9199.2	32.5°	8927.3	8735.5	7957.6	6117.4	4736.6	3876.6	3526.7	3425.5	3387.5	3400.2
9856.9	35°	9610.3	9557.6	8488.8	6022.5	4306.6	3492.9	3214.7	3128.2	3054.5	3037.6
10476.7	37.5°	10255.3	10234.3	8887.3	5889.7	3880.8	3221.0	2963.8	2850.0	2742.5	2683.5
11161.8	40°	10963.6	10942.5	9148.6	5685.2	3503.5	2984.9	2738.3	2588.6	2455.8	2348.3
11937.5	42.5°	11760.4	11636.1	9273.0	5392.2	3183.1	2784.6	2554.9	2352.5	2177.5	2078.5
12814.4	45°	12631.0	12350.7	9270.9	5019.1	2913.2	2601.2	2358.8	2072.1	1909.8	1817.1
13714.5	47.5°	13554.3	13033.7	9157.1	4605.9	2651.8	2398.9	2055.3	1836.1	1728.5	1671.6
14692.6	50°	14507.1	13672.4	8963.1	4131.6	2384.1	2169.1	1865.6	1715.9	1633.7	1581.0
15662.3	52.5°	15403.0	14252.1	8729.2	3594.1	2112.2	1945.7	1781.2	1665.3	1578.9	1519.9
16602.5	55°	16235.7	14751.7	8398.2	3043.9	1890.9	1796.0	1741.2	1644.2	1545.2	1475.6
17557.4	57.5°	16975.6	15076.3	7826.9	2527.5	1732.8	1692.7	1699.0	1608.4	1494.6	1435.5
18497.5	60°	17591.1	15314.5	6981.6	2049.0	1604.2	1591.5	1633.7	1540.9	1408.1	1340.7
19292.2	62.5°	17960.0	15310.3	5944.5	1678.0	1494.6	1498.8	1547.3	1456.6	1321.7	1258.5
19707.5	65°	17928.4	14935.0	4806.2	1435.5	1389.2	1393.4	1456.6	1363.9	1250.0	1212.1
19498.8	67.5°	17293.9	14020.2	3686.9	1277.4	1273.2	1292.2	1366.0	1300.6	1205.8	1201.5
18255.1	70°	15575.9	12120.9	2656.1	1151.0	1153.1	1180.5	1277.4	1260.6	1182.6	1191.0
15348.2	72.5°	12489.8	9241.4	1783.4	1018.2	1020.3	1064.5	1193.1	1229.0	1159.4	1271.1
10889.8	75°	8318.1	5763.2	1146.7	876.9	879.0	935.9	1119.3	1167.8	1096.2	1266.9
5666.3	77.5°	3996.7	2590.7	830.5	737.8	737.8	790.5	967.6	1045.6	933.8	984.4
1821.3	80°	1380.7	973.9	653.5	594.5	581.8	617.6	815.8	906.4	805.2	742.0
594.5	82.5°	543.9	505.9	524.9	461.6	419.5	442.7	634.5	748.3	592.3	535.4
335.2	85°	312.0	328.8	371.0	305.7	242.4	271.9	465.9	537.5	446.9	394.2
109.6	87.5°	84.3	115.9	170.7	158.1	109.6	115.9	221.3	297.2	257.2	198.2
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°
4449.9
4563.8
4745.1
4964.3
5166.7
5238.3
5240.4
5147.7
4930.6
4622.8
4300.3
4005.2
3743.8
3417.0
3050.2
2685.6
2358.8
2084.8
1812.9
1659.0
1562.0
1494.6
1448.2
1397.6
1311.2
1239.5
1210.0
1207.9
1188.9
1288.0
1277.4
902.2
695.6
533.3
402.6
204.5
0.0

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