

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: P850243

Luminaire Tested: **GLAN-SB7C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850243
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-SB7C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35618 lumens
Efficiency: N/A
Efficacy: 101.6 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

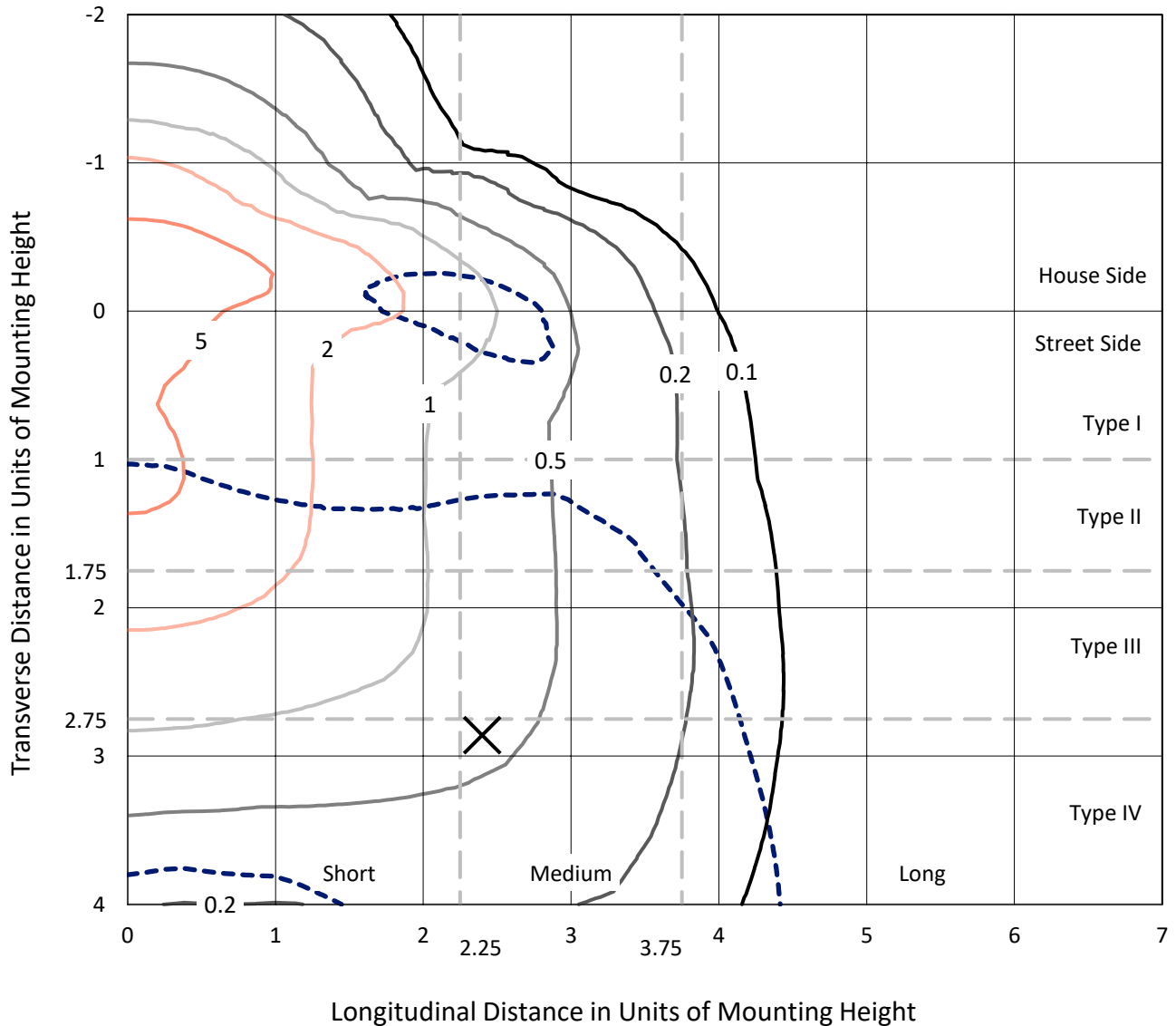
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

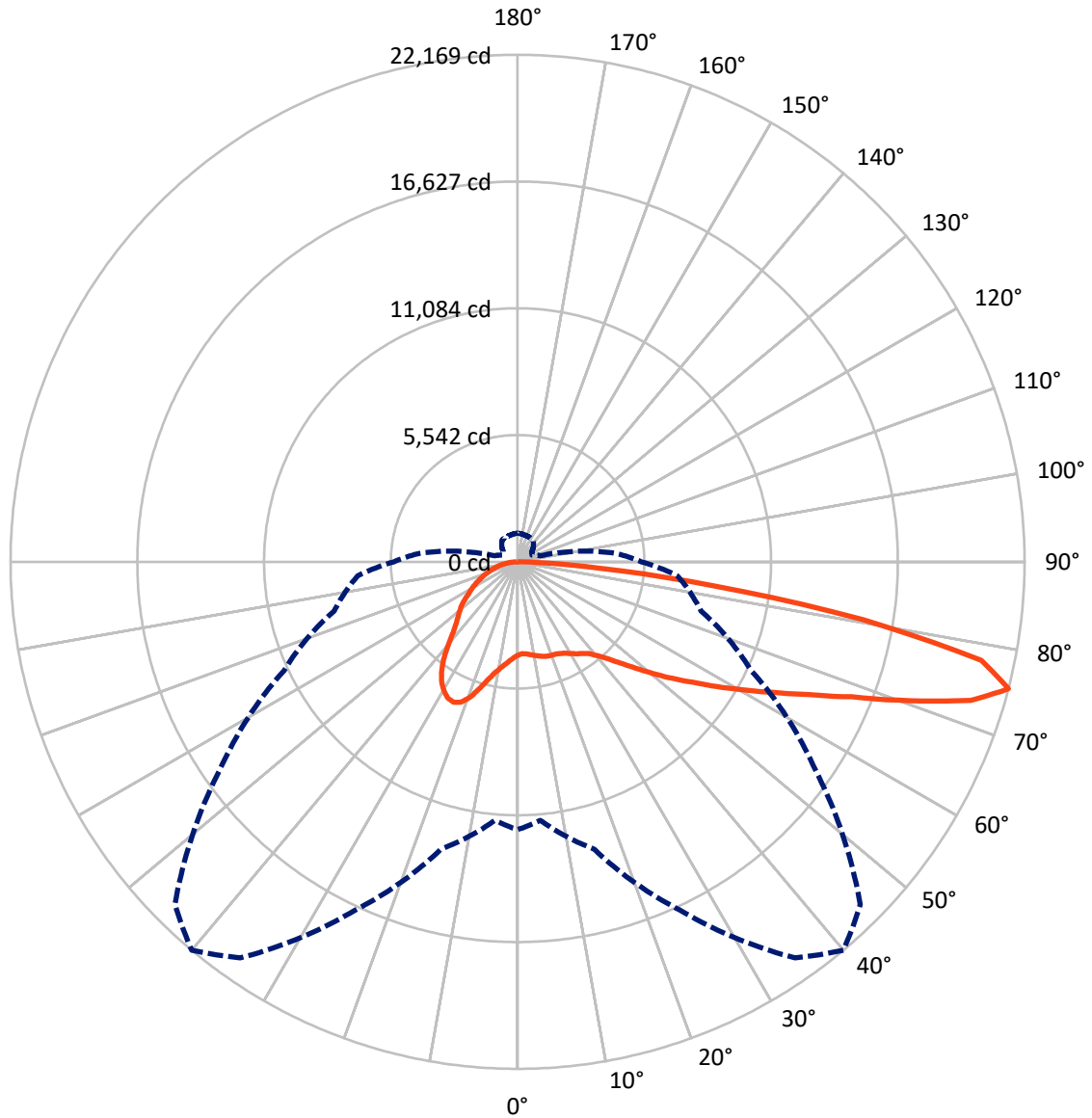
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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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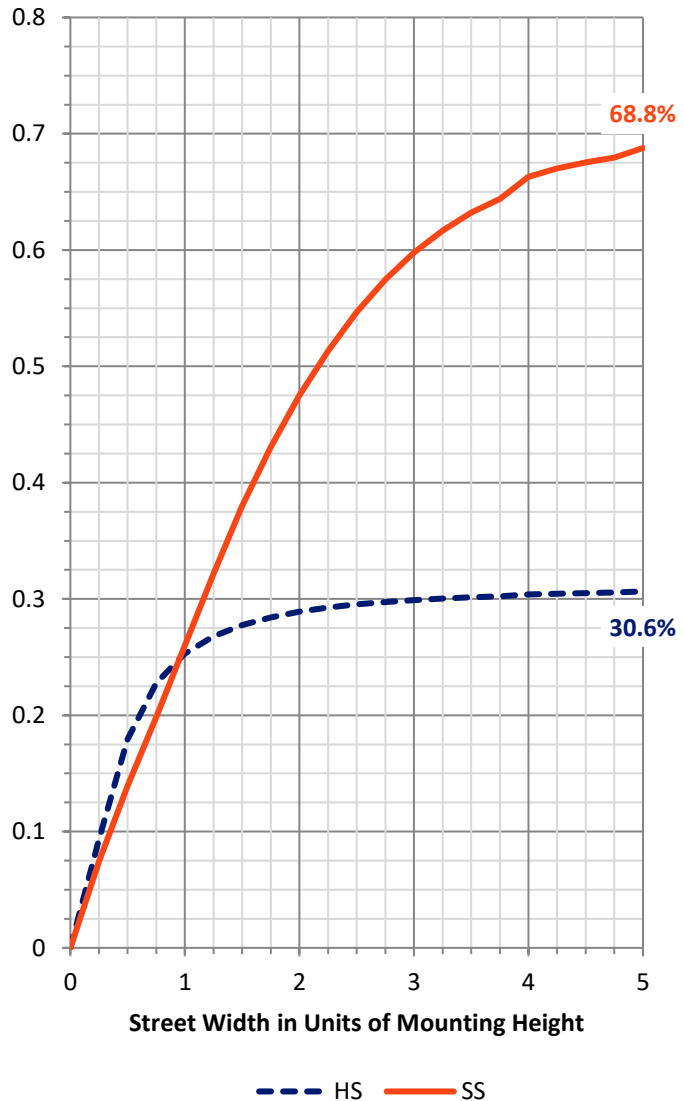
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11035.6	0.0	11035.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24582.4	0.0	24582.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	35618.0	0.0	35618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.6	1.1
10°-20°	1365.0	3.8
20°-30°	2492.4	7.0
30°-40°	3534.9	9.9
40°-50°	4773.2	13.4
50°-60°	6421.2	18.0
60°-70°	8150.0	22.9
70°-80°	7396.6	20.8
80°-90°	1078.2	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°	35618.0	100.0
0°-180°	35618.0	100.0

Coefficient of Utilization

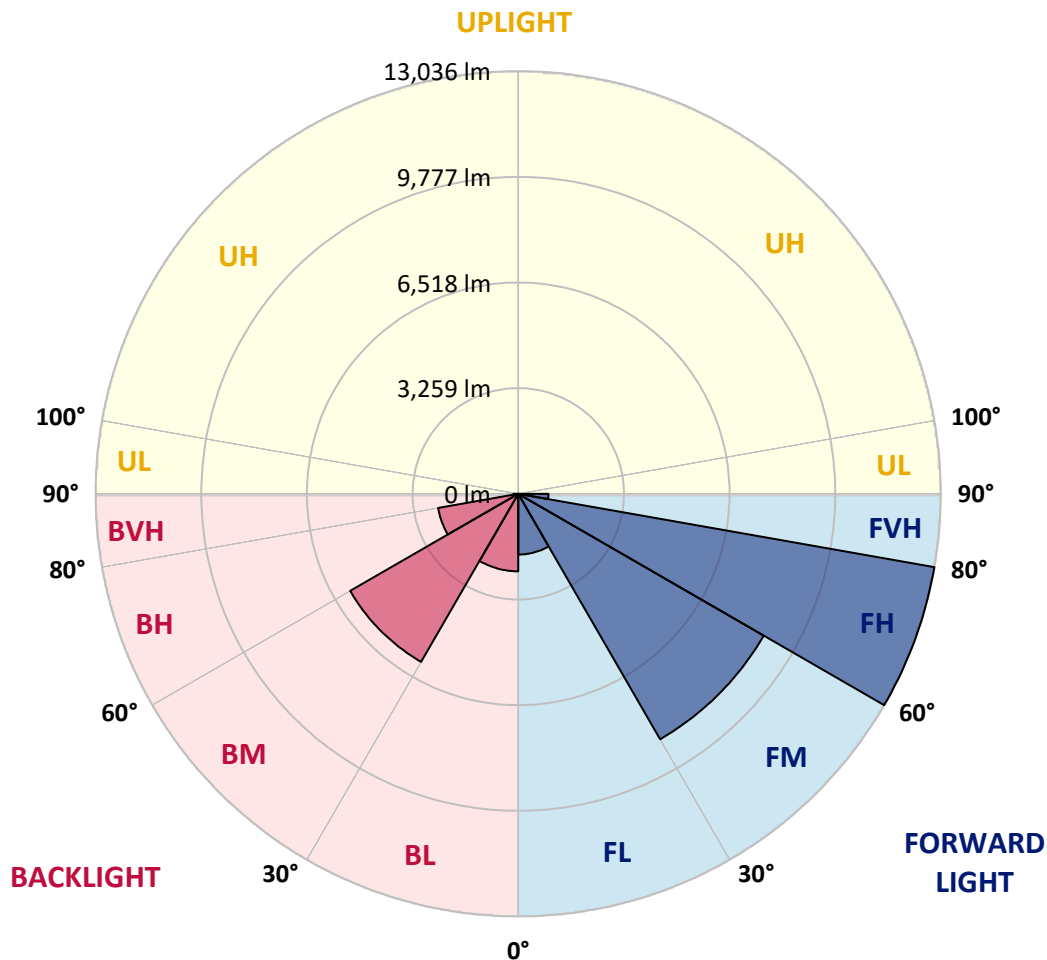


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1873.5	5.3			
FM (30°-60°)	8743.4	24.5			
FH (60°-80°)	13035.6	36.6			G5
FVH (80°-90°)	929.7	2.6			G5
BL (0°-30°)	2390.4	6.7	B3/2500		
BM (30°-60°)	5985.8	16.8	B4/8500		
BH (60°-80°)	2510.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	148.4	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°	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0
2.5°	4010.6	4033.3	4027.6	4020.1	4020.1	4022.0	4020.1	4033.3	4046.5	4059.7
5°	4052.2	4074.9	4063.5	4054.1	4046.5	4044.6	4039.0	4037.1	4044.6	4061.6
7.5°	4133.4	4156.1	4139.1	4122.1	4107.0	4099.4	4091.9	4080.5	4074.9	4084.3
10°	4224.1	4246.8	4226.0	4195.8	4171.2	4161.8	4154.2	4142.9	4135.3	4141.0
12.5°	4314.8	4337.4	4309.1	4267.5	4235.4	4229.8	4220.3	4216.5	4214.7	4212.8
15°	4399.8	4418.7	4382.8	4333.7	4299.7	4290.2	4280.8	4286.4	4295.9	4307.2
17.5°	4465.9	4484.8	4431.9	4367.7	4335.6	4331.8	4326.1	4345.0	4371.4	4399.8
20°	4526.4	4545.2	4477.2	4390.3	4352.6	4352.6	4354.4	4394.1	4431.9	4473.5
22.5°	4611.4	4626.5	4543.4	4424.3	4369.6	4373.3	4388.5	4428.1	4475.4	4532.0
25°	4737.9	4749.3	4647.3	4488.6	4426.2	4437.6	4450.8	4469.7	4515.0	4581.1
27.5°	4942.0	4951.4	4817.3	4601.9	4507.5	4526.4	4545.2	4532.0	4552.8	4609.5
30°	5229.1	5234.8	5064.8	4779.5	4645.4	4654.8	4658.6	4603.8	4564.1	4609.5
32.5°	5569.2	5567.3	5365.1	4994.9	4802.2	4792.7	4760.6	4652.9	4560.4	4600.0
35°	6096.2	6075.4	5814.7	5297.1	4979.7	4921.2	4845.6	4707.7	4579.3	4590.6
37.5°	6969.0	6904.8	6543.9	5792.1	5244.2	5095.0	4983.5	4796.5	4620.8	4586.8
40°	7953.2	7872.0	7475.3	6470.3	5640.9	5401.0	5221.6	4923.1	4688.8	4603.8
42.5°	9120.7	9005.5	8578.5	7269.4	6143.5	5795.9	5525.7	5083.7	4788.9	4658.6
45°	10554.6	10401.6	9797.0	8170.5	6776.3	6313.5	5952.7	5327.3	4942.0	4764.4
47.5°	12003.5	12041.3	11181.8	9202.0	7535.7	6952.0	6487.3	5693.8	5164.9	4934.4
50°	13543.2	13569.6	12558.9	10344.9	8397.2	7673.6	7088.0	6103.8	5474.7	5176.2
52.5°	14744.7	14748.4	13809.5	11540.7	9294.5	8467.1	7736.0	6572.3	5833.6	5497.4
55°	15496.5	15487.1	14686.1	12672.3	10326.0	9300.2	8453.9	7105.0	6271.9	5875.2
57.5°	16042.5	16014.2	15290.6	13645.2	11425.5	10284.4	9266.2	7709.5	6789.5	6324.8
60°	16250.3	16233.3	15700.6	14485.9	12581.6	11372.6	10203.2	8385.9	7377.1	6855.7
62.5°	16329.6	16361.8	16102.9	15300.1	13819.0	12577.8	11232.8	9194.4	8038.3	7456.4
65°	16609.2	16667.8	16614.9	16365.5	15216.9	13989.0	12598.6	10156.0	8759.9	8100.6
67.5°	17162.8	17221.3	17244.0	17640.7	16924.7	15747.8	14302.6	11353.7	9604.3	8769.3
70°	17149.5	17132.5	17533.0	18655.2	19063.2	18182.9	16599.8	12827.2	10611.2	9324.7
72.5°	15609.9	15473.9	16420.3	18643.8	20842.8	20725.7	19405.2	14727.7	11480.2	9392.8
75°	11710.7	11348.0	13019.9	16801.9	21139.4	22168.9	21188.5	15906.5	11274.3	8299.0
77.5°	5008.1	4643.5	6613.8	12438.0	18919.6	20723.8	19552.5	13877.6	8999.8	5487.9
80°	1311.1	1309.2	1998.7	5639.1	12866.9	15303.8	13426.1	8962.0	5142.2	1960.9
82.5°	542.2	529.0	734.9	2193.3	6287.0	8588.0	7008.7	3997.4	1857.0	530.8
85°	202.1	200.2	357.0	757.5	2217.8	3542.1	2563.6	1022.0	462.8	258.8
87.5°	56.7	54.8	77.5	262.6	540.3	819.9	438.3	168.1	130.4	102.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4073.0	0°	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0	4073.0
4080.5	2.5°	4086.2	4095.6	4112.6	4125.9	4142.9	4161.8	4188.2	4205.2	4222.2	4233.5
4090.0	5°	4103.2	4124.0	4167.4	4210.9	4261.9	4309.1	4363.9	4403.6	4435.7	4445.1
4124.0	7.5°	4141.0	4175.0	4248.7	4322.3	4403.6	4481.0	4560.4	4628.4	4683.2	4703.9
4184.4	10°	4207.1	4252.4	4356.3	4460.2	4567.9	4686.9	4788.9	4887.2	4964.6	4996.8
4256.2	12.5°	4290.2	4346.9	4482.9	4626.5	4775.7	4940.1	5072.3	5193.2	5289.6	5333.0
4356.3	15°	4397.9	4471.6	4645.4	4838.1	5057.2	5285.8	5453.9	5588.0	5695.7	5748.6
4460.2	17.5°	4515.0	4613.3	4832.4	5123.3	5436.9	5737.3	5933.8	6032.0	6143.5	6194.5
4556.6	20°	4628.4	4749.3	5062.9	5486.0	5903.5	6222.8	6381.5	6407.9	6415.5	6421.2
4647.3	22.5°	4745.5	4908.0	5351.9	5943.2	6390.9	6612.0	6634.6	6521.3	6362.6	6288.9
4736.1	25°	4874.0	5089.3	5729.7	6447.6	6810.3	6836.8	6663.0	6387.2	6086.8	5948.9
4807.8	27.5°	4998.6	5299.0	6183.1	6929.3	7112.6	6880.2	6506.2	6115.1	5752.4	5606.9
4858.8	30°	5123.3	5538.9	6683.7	7350.6	7250.5	6772.5	6258.7	5822.3	5457.7	5304.7
4904.2	32.5°	5249.9	5818.5	7259.9	7654.8	7225.9	6543.9	5950.8	5493.6	5172.4	5011.9
4943.9	35°	5393.5	6162.3	7805.9	7821.0	7061.6	6207.7	5544.6	5100.7	4821.1	4692.6
4991.1	37.5°	5580.5	6598.7	8287.6	7862.6	6774.4	5714.6	5040.2	4635.9	4405.5	4346.9
5061.0	40°	5812.9	7123.9	8656.0	7796.4	6349.4	5115.8	4488.6	4165.5	4035.2	4048.4
5155.4	42.5°	6115.1	7711.4	8914.8	7626.4	5758.1	4498.0	4005.0	3861.4	3923.7	3976.6
5297.1	45°	6508.1	8321.6	9075.4	7337.4	5089.3	3974.7	3719.7	3753.7	3800.9	3806.6
5525.7	47.5°	7010.6	8939.4	9181.2	6901.0	4407.3	3606.4	3538.3	3545.9	3536.5	3496.8
5867.6	50°	7637.8	9540.1	9275.6	6322.9	3827.4	3375.9	3285.2	3258.8	3128.4	2999.9
6322.9	52.5°	8351.8	10091.7	9315.3	5605.1	3375.9	3183.2	3035.8	2869.6	2625.9	2586.2
6895.3	55°	9145.3	10601.8	9213.3	4722.8	2996.2	2935.7	2712.8	2512.5	2486.1	2452.1
7649.1	57.5°	10093.6	11151.5	9005.5	3738.6	2607.0	2646.7	2429.4	2452.1	2404.9	2352.0
8618.2	60°	11130.8	11720.2	8640.9	2841.3	2204.6	2285.8	2355.7	2353.9	2340.6	2297.2
9640.2	62.5°	12064.0	12094.2	7923.0	2176.3	1851.3	2006.3	2197.1	2195.2	2183.8	2159.3
10707.6	65°	12619.4	12037.5	6725.3	1713.4	1560.4	1775.8	1981.7	1996.8	1998.7	1996.8
11510.5	67.5°	12521.2	11374.5	5081.8	1364.0	1320.5	1541.5	1768.2	1789.0	1804.1	1807.9
11612.5	70°	11410.3	9917.9	3313.5	1088.1	1107.0	1335.6	1566.1	1586.9	1600.1	1615.2
10076.6	72.5°	8894.0	7292.0	1896.7	880.3	920.0	1158.0	1365.8	1390.4	1398.0	1426.3
7012.5	75°	5419.9	4288.3	1023.9	693.3	755.7	989.9	1167.5	1195.8	1209.0	1243.0
3443.9	77.5°	2576.8	1857.0	583.7	540.3	608.3	808.5	986.1	1018.2	982.3	1001.2
950.2	80°	870.9	689.5	368.4	411.8	464.7	631.0	789.7	821.8	746.2	742.4
315.5	82.5°	304.2	279.6	234.3	273.9	300.4	451.5	597.0	638.5	555.4	553.5
141.7	85°	119.0	113.3	130.4	149.2	179.5	277.7	392.9	413.7	341.9	275.8
41.6	87.5°	24.6	26.4	32.1	34.0	54.8	96.3	141.7	173.8	137.9	117.1
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°
4073.0
4226.0
4448.9
4705.8
4998.6
5333.0
5744.8
6192.6
6436.3
6309.7
5969.7
5623.9
5321.7
5032.6
4720.9
4388.5
4093.7
4025.7
3844.4
3527.0
3016.9
2599.4
2457.8
2342.5
2282.1
2149.8
1996.8
1811.7
1622.8
1437.6
1246.8
986.1
734.9
527.1
272.0
107.7
0.0

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