

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: P851373

Luminaire Tested: **GLAN-SB9B-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851373
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-SB9B-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 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: 40537 lumens
Efficiency: N/A
Efficacy: 123.0 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

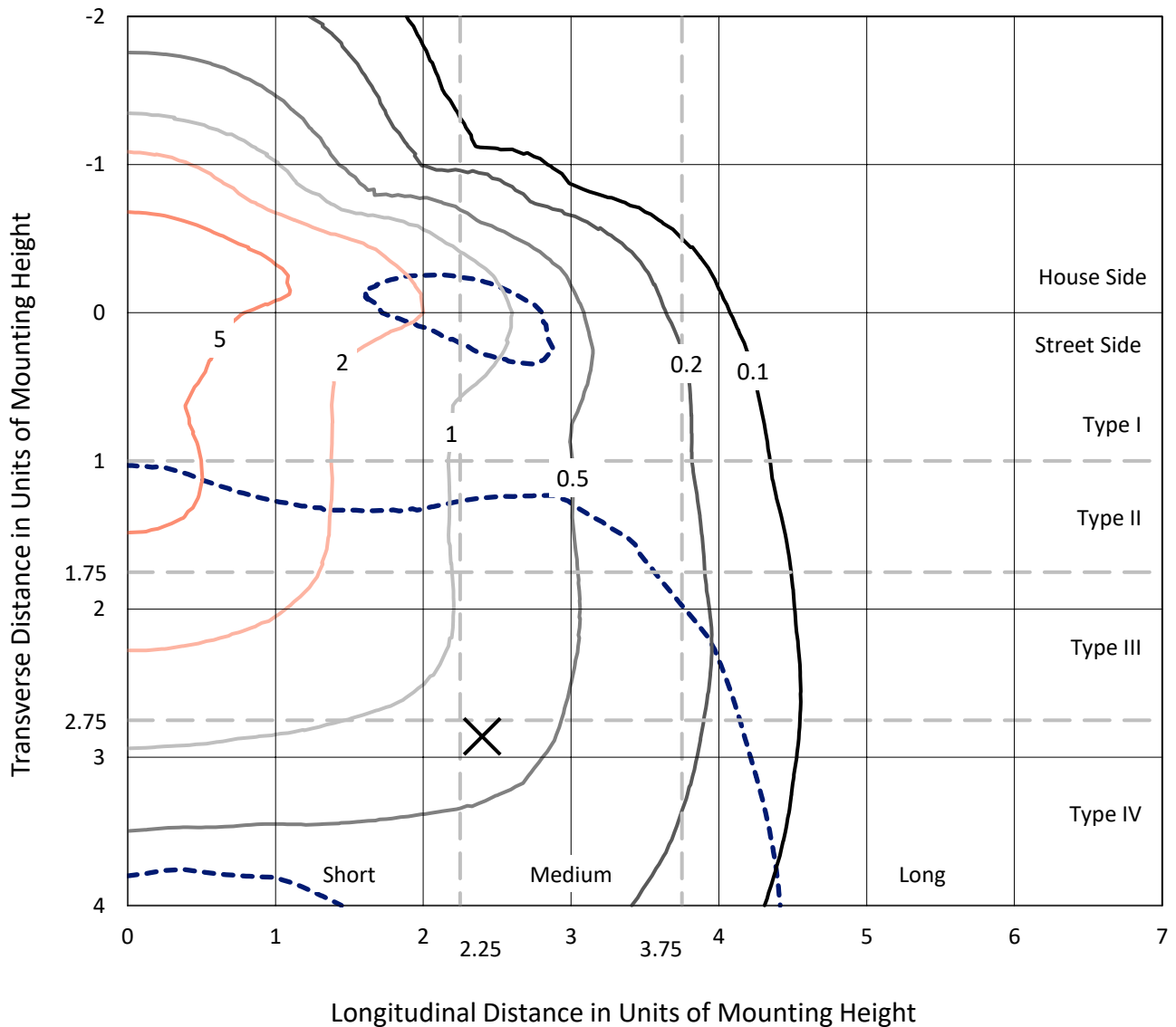
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

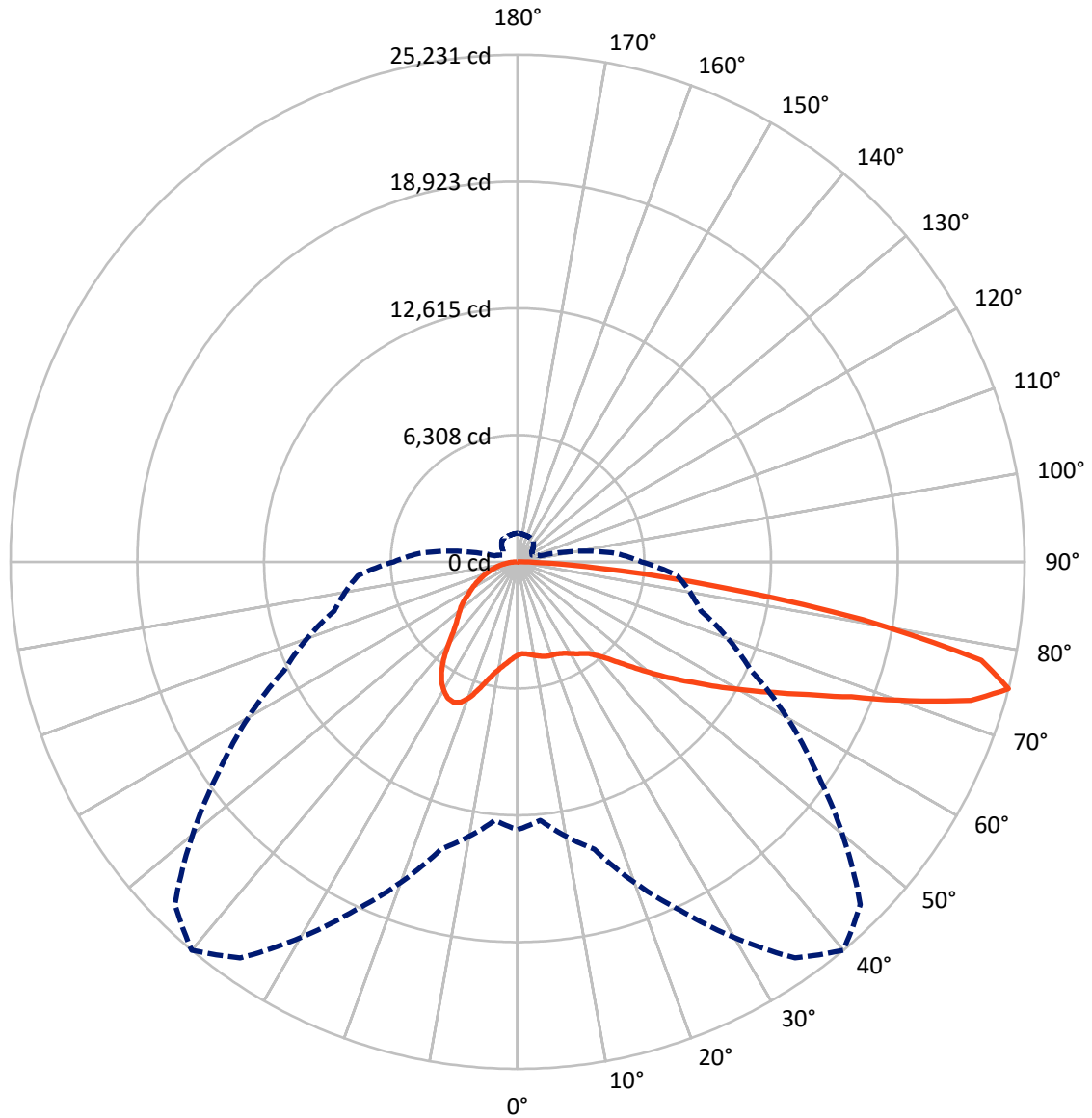
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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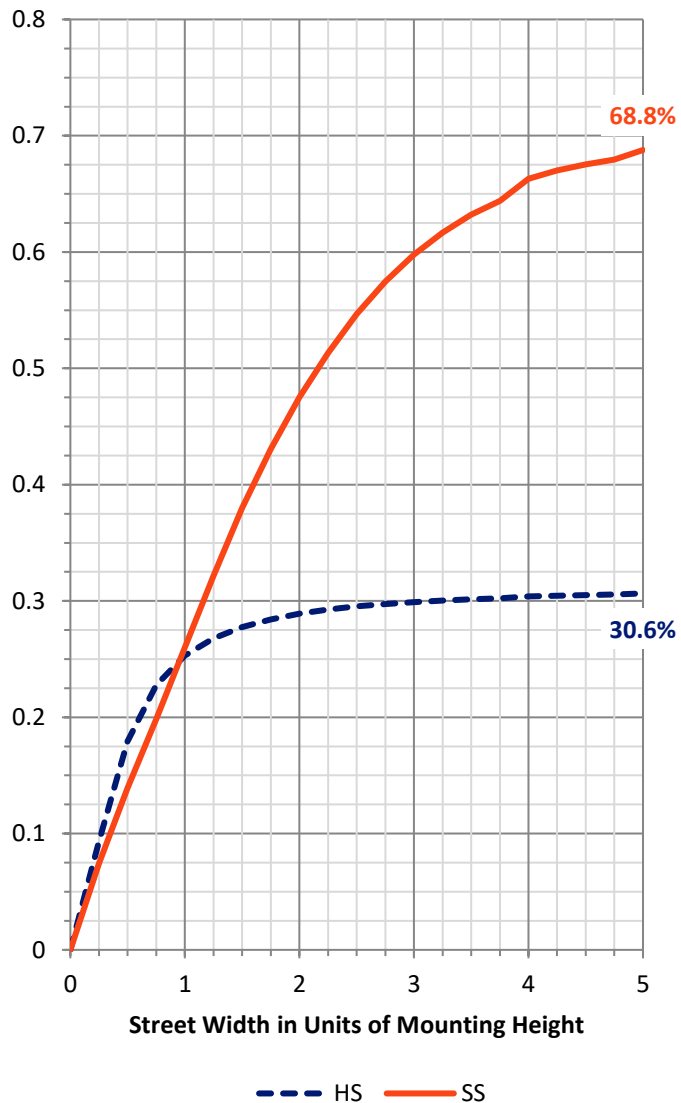
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12559.7	0.0	12559.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27977.3	0.0	27977.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	40537.0	0.0	40537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.7	1.1
10°-20°	1553.5	3.8
20°-30°	2836.6	7.0
30°-40°	4023.1	9.9
40°-50°	5432.4	13.4
50°-60°	7308.0	18.0
60°-70°	9275.5	22.9
70°-80°	8418.1	20.8
80°-90°	1227.1	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°	40537.0	100.0
0°-180°	40537.0	100.0

Coefficient of Utilization

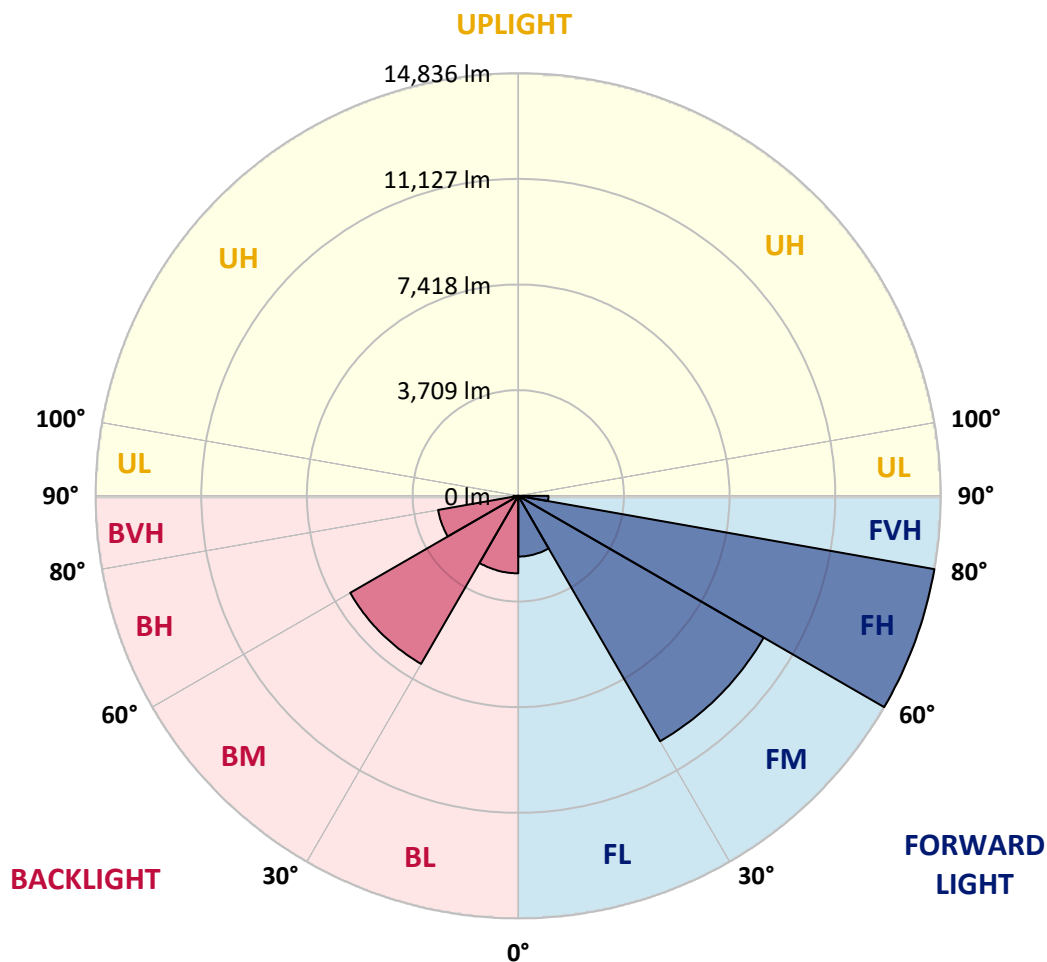


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2132.3	5.3			
FM (30°-60°)	9950.9	24.5			
FH (60°-80°)	14835.9	36.6			G5
FVH (80°-90°)	1058.2	2.6			G5
BL (0°-30°)	2720.5	6.7	B4/5000		
BM (30°-60°)	6812.5	16.8	B4/8500		
BH (60°-80°)	2857.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	169.0	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°	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5
2.5°	4564.5	4590.3	4583.9	4575.3	4575.3	4577.4	4575.3	4590.3	4605.4	4620.4
5°	4611.8	4637.6	4624.7	4614.0	4605.4	4603.2	4596.8	4594.6	4603.2	4622.6
7.5°	4704.3	4730.1	4710.7	4691.4	4674.2	4665.6	4657.0	4644.1	4637.6	4648.4
10°	4807.5	4833.3	4809.6	4775.2	4747.3	4736.5	4727.9	4715.0	4706.4	4712.9
12.5°	4910.7	4936.5	4904.2	4856.9	4820.4	4813.9	4803.2	4798.9	4796.7	4794.6
15°	5007.4	5028.9	4988.1	4932.2	4893.5	4882.7	4872.0	4878.4	4889.2	4902.1
17.5°	5082.7	5104.2	5044.0	4970.9	4934.3	4930.0	4923.6	4945.1	4975.2	5007.4
20°	5151.5	5173.0	5095.6	4996.7	4953.7	4953.7	4955.8	5001.0	5044.0	5091.3
22.5°	5248.2	5265.4	5170.8	5035.4	4973.0	4977.3	4994.5	5039.7	5093.4	5157.9
25°	5392.3	5405.2	5289.1	5108.5	5037.5	5050.4	5065.5	5087.0	5138.6	5213.8
27.5°	5624.5	5635.2	5482.6	5237.5	5130.0	5151.5	5173.0	5157.9	5181.6	5246.1
30°	5951.3	5957.7	5764.2	5439.6	5286.9	5297.7	5302.0	5239.6	5194.5	5246.1
32.5°	6338.3	6336.1	6106.1	5684.7	5465.4	5454.6	5418.1	5295.5	5190.2	5235.3
35°	6938.1	6914.5	6617.8	6028.7	5667.5	5600.8	5514.8	5357.9	5211.7	5224.6
37.5°	7931.5	7858.4	7447.7	6592.0	5968.5	5798.6	5671.8	5458.9	5259.0	5220.3
40°	9051.6	8959.2	8507.7	7363.8	6420.0	6146.9	5942.7	5603.0	5336.4	5239.6
42.5°	10380.3	10249.2	9763.3	8273.3	6991.9	6596.3	6288.8	5785.7	5450.3	5302.0
45°	12012.2	11838.1	11150.0	9298.9	7712.1	7185.4	6774.7	6063.1	5624.5	5422.4
47.5°	13661.3	13704.3	12726.0	10472.8	8576.5	7912.1	7383.2	6480.2	5878.2	5615.9
50°	15413.5	15443.6	14293.4	11773.6	9556.9	8733.4	8066.9	6946.7	6230.8	5891.1
52.5°	16781.0	16785.3	15716.7	13134.5	10578.1	9636.4	8804.4	7479.9	6639.3	6256.6
55°	17636.7	17625.9	16714.3	14422.4	11752.1	10584.6	9621.4	8086.3	7138.1	6686.6
57.5°	18258.0	18225.8	17402.3	15529.7	13003.4	11704.8	10545.9	8774.3	7727.2	7198.3
60°	18494.5	18475.2	17868.9	16486.4	14319.2	12943.2	11612.3	9544.0	8395.9	7802.5
62.5°	18584.8	18621.4	18326.8	17413.1	15727.5	14314.9	12784.1	10464.2	9148.4	8486.2
65°	18903.0	18969.7	18909.5	18625.7	17318.5	15921.0	14338.5	11558.5	9969.7	9219.3
67.5°	19533.0	19599.7	19625.5	20077.0	19262.1	17922.6	16277.9	12921.7	10930.7	9980.4
70°	19518.0	19498.6	19954.4	21231.5	21695.9	20694.0	18892.3	14598.7	12076.7	10612.5
72.5°	17765.7	17610.9	18688.0	21218.6	23721.3	23588.0	22085.1	16761.6	13065.7	10689.9
75°	13328.0	12915.2	14818.0	19122.3	24058.8	25230.6	24114.7	18103.2	12831.4	9445.1
77.5°	5699.7	5284.8	7527.2	14155.8	21532.5	23585.8	22252.8	15794.1	10242.7	6245.8
80°	1492.1	1490.0	2274.7	6417.8	14643.8	17417.4	15280.2	10199.7	5852.4	2231.7
82.5°	617.1	602.0	836.4	2496.2	7155.3	9774.0	7976.6	4549.5	2113.5	604.2
85°	230.1	227.9	406.4	862.2	2524.1	4031.3	2917.6	1163.2	526.8	294.6
87.5°	64.5	62.4	88.2	298.9	614.9	933.1	498.8	191.4	148.4	116.1
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°
4635.5	0°	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5	4635.5
4644.1	2.5°	4650.5	4661.3	4680.6	4695.7	4715.0	4736.5	4766.6	4786.0	4805.3	4818.2
4654.8	5°	4669.9	4693.5	4743.0	4792.4	4850.5	4904.2	4966.6	5011.7	5048.3	5059.0
4693.5	7.5°	4712.9	4751.6	4835.4	4919.3	5011.7	5099.9	5190.2	5267.6	5329.9	5353.6
4762.3	10°	4788.1	4839.7	4958.0	5076.2	5198.8	5334.2	5450.3	5562.1	5650.3	5686.8
4844.0	12.5°	4882.7	4947.2	5102.0	5265.4	5435.3	5622.3	5772.8	5910.4	6020.1	6069.5
4958.0	15°	5005.3	5089.1	5286.9	5506.2	5755.6	6015.8	6207.1	6359.8	6482.3	6542.5
5076.2	17.5°	5138.6	5250.4	5499.8	5830.9	6187.8	6529.6	6753.2	6865.0	6991.9	7049.9
5185.9	20°	5267.6	5405.2	5762.1	6243.7	6718.8	7082.2	7262.8	7292.9	7301.5	7307.9
5289.1	22.5°	5400.9	5585.8	6091.0	6764.0	7273.5	7525.1	7550.9	7421.9	7241.3	7157.4
5390.1	25°	5547.1	5792.2	6521.0	7338.0	7750.9	7781.0	7583.1	7269.2	6927.4	6770.4
5471.8	27.5°	5689.0	6030.8	7037.0	7886.3	8094.9	7830.4	7404.7	6959.6	6546.8	6381.3
5529.9	30°	5830.9	6303.9	7606.8	8365.8	8251.8	7707.8	7123.0	6626.4	6211.4	6037.3
5581.5	32.5°	5974.9	6622.1	8262.6	8711.9	8223.9	7447.7	6772.6	6252.3	5886.8	5704.0
5626.6	35°	6138.3	7013.4	8883.9	8901.1	8036.8	7065.0	6310.3	5805.1	5486.9	5340.7
5680.4	37.5°	6351.2	7510.0	9432.2	8948.4	7710.0	6503.8	5736.3	5276.2	5013.9	4947.2
5759.9	40°	6615.6	8107.8	9851.4	8873.2	7226.2	5822.3	5108.5	4740.8	4592.5	4607.5
5867.4	42.5°	6959.6	8776.4	10146.0	8679.7	6553.3	5119.2	4558.1	4394.7	4465.6	4525.8
6028.7	45°	7406.8	9470.9	10328.7	8350.7	5792.2	4523.7	4233.4	4272.1	4325.9	4332.3
6288.8	47.5°	7978.8	10173.9	10449.1	7854.1	5016.0	4104.4	4027.0	4035.6	4024.9	3979.7
6678.0	50°	8692.6	10857.6	10556.6	7196.1	4356.0	3842.1	3738.9	3708.8	3560.4	3414.2
7196.1	52.5°	9505.3	11485.4	10601.8	6379.1	3842.1	3622.8	3455.1	3265.9	2988.5	2943.4
7847.6	55°	10408.3	12066.0	10485.7	5375.1	3409.9	3341.1	3087.4	2859.5	2829.4	2790.7
8705.5	57.5°	11487.6	12691.6	10249.2	4254.9	2967.0	3012.2	2764.9	2790.7	2737.0	2676.8
9808.4	60°	12668.0	13338.8	9834.2	3233.6	2509.1	2601.5	2681.1	2678.9	2663.9	2614.4
10971.6	62.5°	13730.1	13764.5	9017.2	2476.8	2107.0	2283.3	2500.5	2498.3	2485.4	2457.5
12186.4	65°	14362.2	13700.0	7654.1	1950.1	1775.9	2021.0	2255.4	2272.6	2274.7	2272.6
13100.1	67.5°	14250.4	12945.3	5783.6	1552.3	1502.9	1754.4	2012.4	2036.1	2053.3	2057.6
13216.2	70°	12986.2	11287.6	3771.1	1238.4	1259.9	1520.1	1782.4	1806.0	1821.1	1838.3
11468.2	72.5°	10122.3	8299.1	2158.6	1001.9	1047.1	1318.0	1554.5	1582.4	1591.0	1623.3
7980.9	75°	6168.4	4880.6	1165.3	789.1	860.0	1126.6	1328.7	1361.0	1376.0	1414.7
3919.5	77.5°	2932.6	2113.5	664.4	614.9	692.3	920.2	1122.3	1158.9	1118.0	1139.5
1081.5	80°	991.2	784.8	419.3	468.7	528.9	718.1	898.7	935.3	849.3	845.0
359.1	82.5°	346.2	318.2	266.6	311.8	341.9	513.9	679.4	726.7	632.1	630.0
161.3	85°	135.5	129.0	148.4	169.9	204.3	316.1	447.2	470.9	389.2	313.9
47.3	87.5°	28.0	30.1	36.6	38.7	62.4	109.7	161.3	197.8	157.0	133.3
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°
4635.5
4809.6
5063.3
5355.7
5689.0
6069.5
6538.2
7047.8
7325.1
7181.1
6794.1
6400.6
6056.6
5727.7
5372.9
4994.5
4659.1
4581.7
4375.3
4014.1
3433.6
2958.4
2797.2
2666.0
2597.2
2446.7
2272.6
2061.9
1846.9
1636.2
1419.0
1122.3
836.4
599.9
309.6
122.6
0.0

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