

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: P850623

Luminaire Tested: **GLAN-SB8B-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850623
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-SB8B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 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: 35295 lumens
Efficiency: N/A
Efficacy: 120.5 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

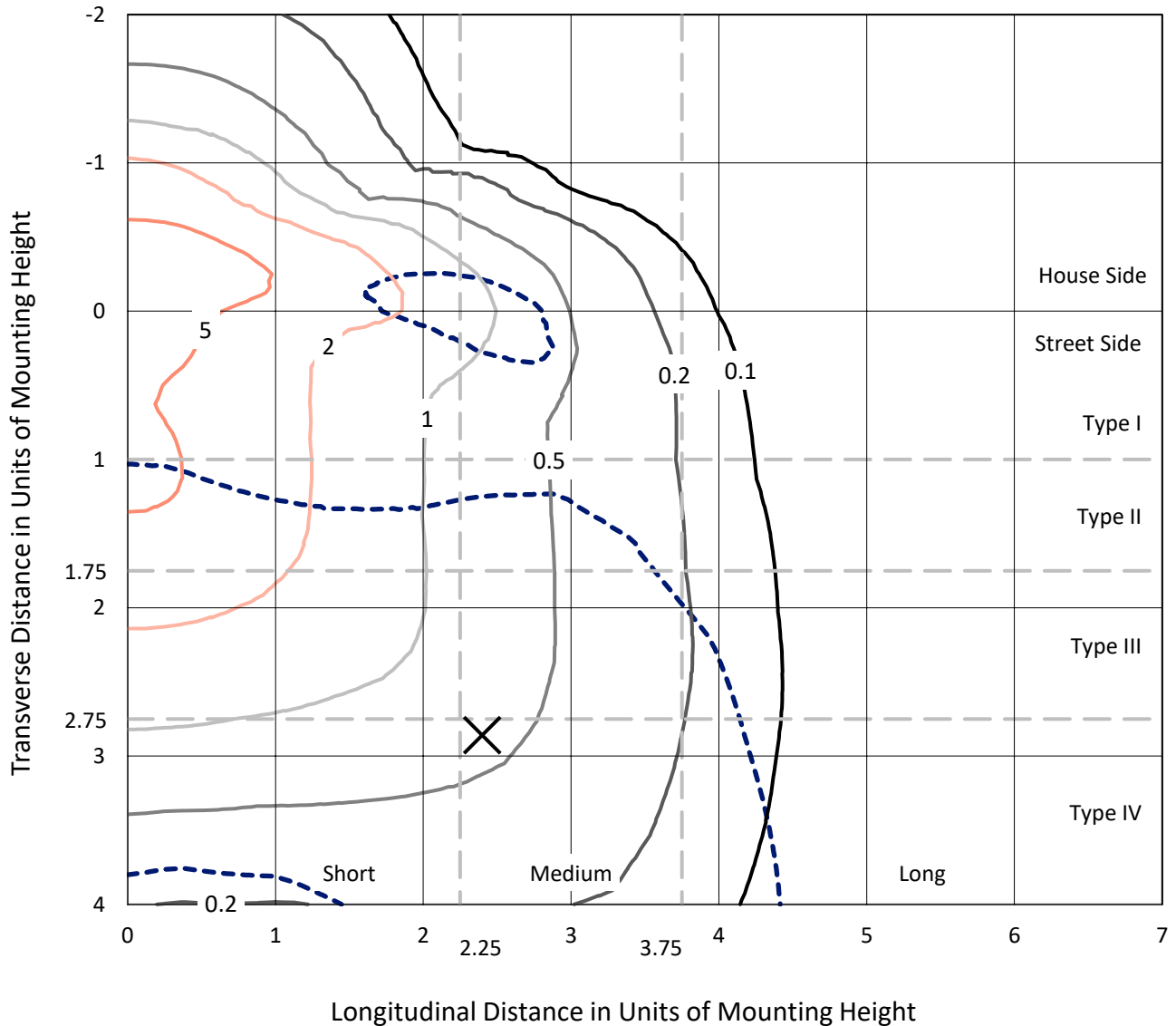
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

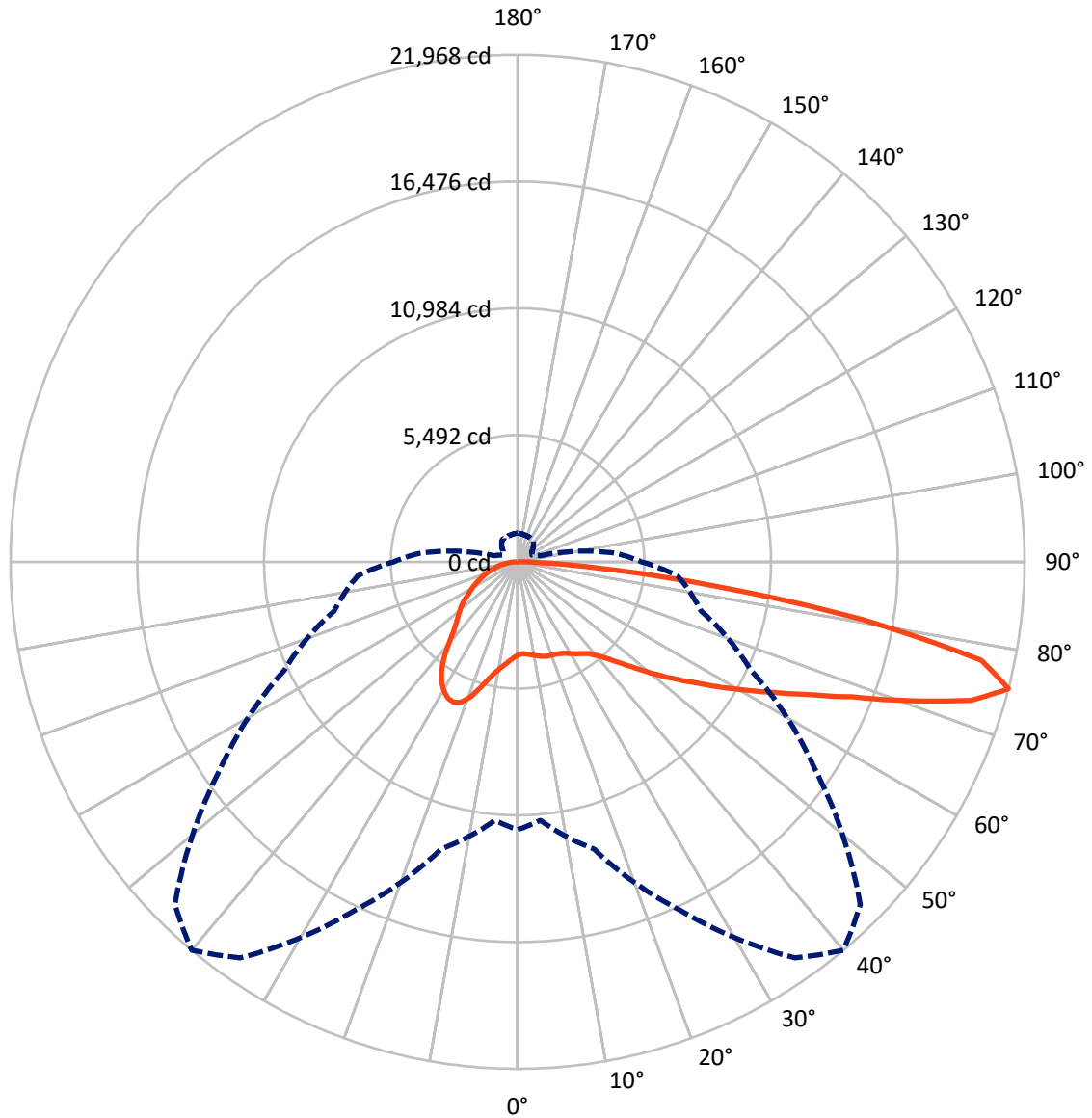
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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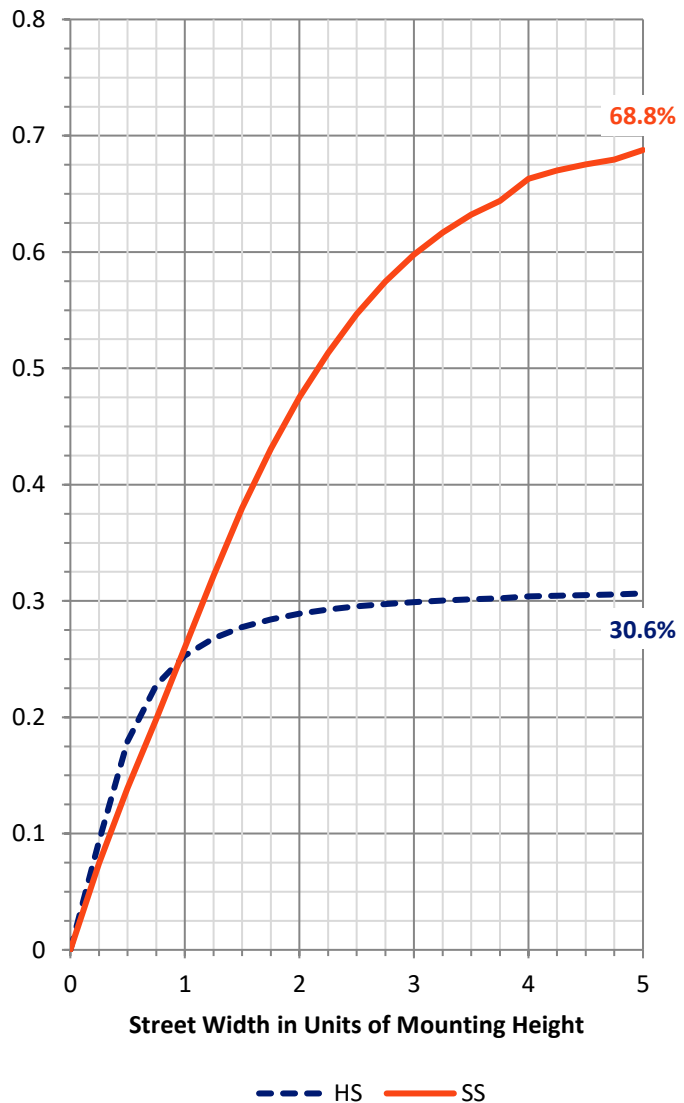
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10935.6	0.0	10935.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24359.4	0.0	24359.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	35295.0	0.0	35295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.9	1.1
10°-20°	1352.6	3.8
20°-30°	2469.8	7.0
30°-40°	3502.8	9.9
40°-50°	4729.9	13.4
50°-60°	6363.0	18.0
60°-70°	8076.1	22.9
70°-80°	7329.5	20.8
80°-90°	1068.4	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°	35295.0	100.0
0°-180°	35295.0	100.0

Coefficient of Utilization

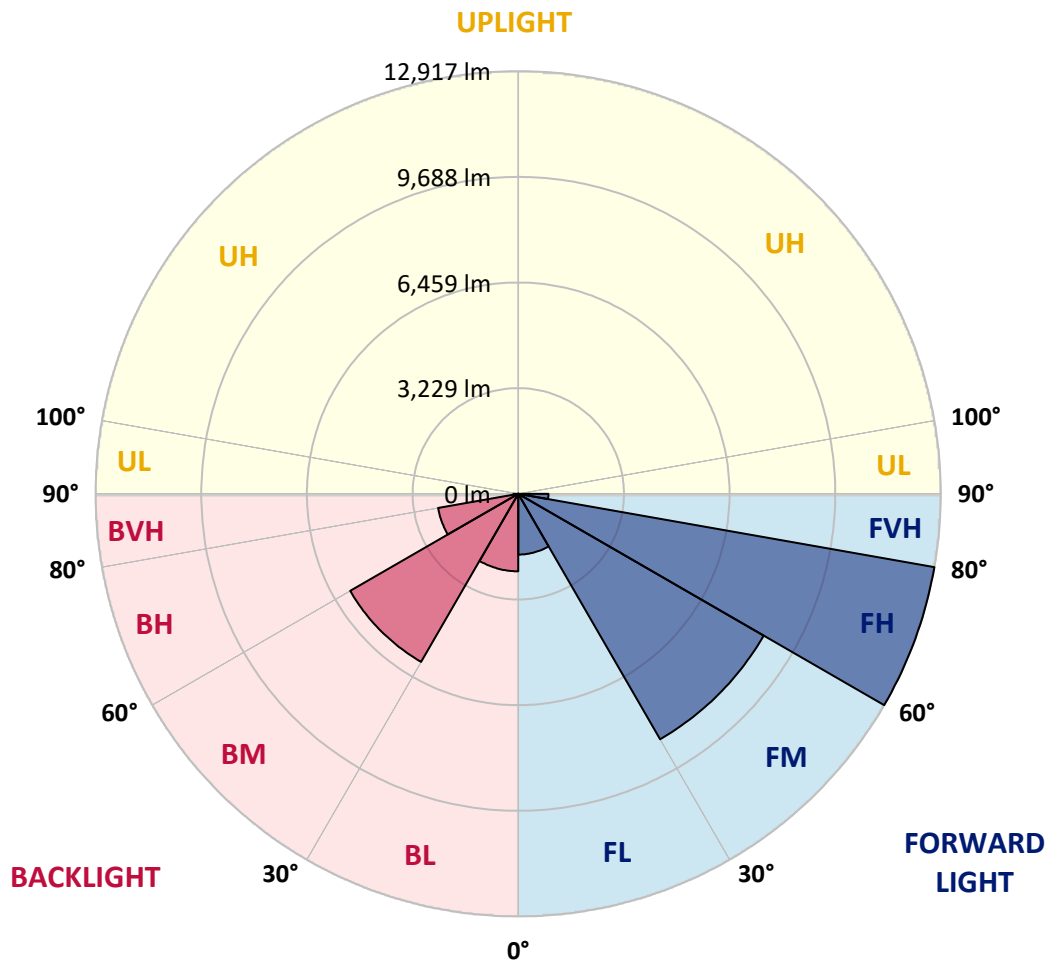


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1856.6	5.3			
FM (30°-60°)	8664.1	24.5			
FH (60°-80°)	12917.4	36.6			G5
FVH (80°-90°)	921.3	2.6			G5
BL (0°-30°)	2368.7	6.7	B3/2500		
BM (30°-60°)	5931.6	16.8	B4/8500		
BH (60°-80°)	2488.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	147.1	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°	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0
2.5°	3974.3	3996.7	3991.1	3983.6	3983.6	3985.5	3983.6	3996.7	4009.8	4022.9
5°	4015.4	4037.9	4026.7	4017.3	4009.8	4008.0	4002.3	4000.5	4008.0	4024.8
7.5°	4095.9	4118.4	4101.6	4084.7	4069.7	4062.2	4054.8	4043.5	4037.9	4047.3
10°	4185.8	4208.3	4187.7	4157.7	4133.4	4124.0	4116.5	4105.3	4097.8	4103.4
12.5°	4275.6	4298.1	4270.0	4228.8	4197.0	4191.4	4182.0	4178.3	4176.4	4174.6
15°	4359.9	4378.6	4343.0	4294.4	4260.7	4251.3	4242.0	4247.6	4256.9	4268.2
17.5°	4425.4	4444.1	4391.7	4328.1	4296.2	4292.5	4286.9	4305.6	4331.8	4359.9
20°	4485.3	4504.0	4436.6	4350.5	4313.1	4313.1	4315.0	4354.3	4391.7	4432.9
22.5°	4569.6	4584.5	4502.2	4384.2	4329.9	4333.7	4348.7	4388.0	4434.8	4490.9
25°	4695.0	4706.2	4605.1	4447.9	4386.1	4397.3	4410.4	4429.2	4474.1	4539.6
27.5°	4897.1	4906.5	4773.6	4560.2	4466.6	4485.3	4504.0	4490.9	4511.5	4567.7
30°	5181.7	5187.3	5018.8	4736.2	4603.2	4612.6	4616.4	4562.1	4522.8	4567.7
32.5°	5518.7	5516.8	5316.5	4949.6	4758.6	4749.3	4717.4	4610.7	4519.0	4558.3
35°	6040.9	6020.3	5762.0	5249.1	4934.6	4876.6	4801.7	4665.0	4537.7	4549.0
37.5°	6905.8	6842.2	6484.6	5739.5	5196.7	5048.8	4938.3	4753.0	4578.9	4545.2
40°	7881.1	7800.6	7407.5	6411.6	5589.8	5352.0	5174.2	4878.4	4646.3	4562.1
42.5°	9038.0	8923.8	8500.7	7203.5	6087.7	5743.3	5475.6	5037.5	4745.5	4616.4
45°	10458.9	10307.2	9708.2	8096.4	6714.9	6256.2	5898.7	5279.0	4897.1	4721.2
47.5°	11894.7	11932.1	11080.4	9118.5	7467.4	6889.0	6428.4	5642.2	5118.0	4889.7
50°	13420.4	13446.6	12445.1	10251.1	8321.0	7604.1	7023.7	6048.4	5425.1	5129.3
52.5°	14611.0	14614.7	13684.3	11436.0	9210.2	8390.3	7665.8	6512.7	5780.7	5447.5
55°	15356.0	15346.6	14552.9	12557.4	10232.3	9215.9	8377.2	7040.6	6215.0	5821.9
57.5°	15897.0	15868.9	15152.0	13521.5	11321.9	10191.2	9182.2	7639.6	6728.0	6267.5
60°	16102.9	16086.1	15558.2	14354.5	12467.5	11269.4	10110.7	8309.8	7310.2	6793.5
62.5°	16181.6	16213.4	15956.9	15161.3	13693.7	12463.8	11130.9	9111.0	7965.4	7388.8
65°	16458.6	16516.6	16464.2	16217.1	15079.0	13862.2	12484.4	10063.9	8680.5	8027.1
67.5°	17007.1	17065.1	17087.6	17480.7	16771.2	15605.0	14172.9	11250.7	9517.2	8689.8
70°	16994.0	16977.2	17374.0	18486.0	18890.3	18018.0	16449.3	12710.9	10515.0	9240.2
72.5°	15468.3	15333.5	16271.4	18474.8	20653.8	20537.7	19229.2	14594.1	11376.1	9307.6
75°	11604.5	11245.1	12901.8	16649.6	20947.7	21967.9	20996.3	15762.2	11172.1	8223.7
77.5°	4962.7	4601.4	6553.9	12325.2	18748.1	20535.8	19375.2	13751.7	8918.2	5438.2
80°	1299.2	1297.3	1980.6	5587.9	12750.2	15165.1	13304.3	8880.8	5095.6	1943.1
82.5°	537.3	524.2	728.2	2173.4	6230.0	8510.1	6945.1	3961.2	1840.2	526.0
85°	200.3	198.4	353.8	750.7	2197.7	3510.0	2540.3	1012.8	458.6	256.5
87.5°	56.2	54.3	76.8	260.2	535.4	812.4	434.3	166.6	129.2	101.1
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°
4036.0	0°	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0	4036.0
4043.5	2.5°	4049.1	4058.5	4075.3	4088.4	4105.3	4124.0	4150.2	4167.1	4183.9	4195.2
4052.9	5°	4066.0	4086.6	4129.6	4172.7	4223.2	4270.0	4324.3	4363.6	4395.5	4404.8
4086.6	7.5°	4103.4	4137.1	4210.1	4283.1	4363.6	4440.4	4519.0	4586.4	4640.7	4661.3
4146.5	10°	4168.9	4213.9	4316.8	4419.8	4526.5	4644.4	4745.5	4842.9	4919.6	4951.4
4217.6	12.5°	4251.3	4307.5	4442.3	4584.5	4732.4	4895.3	5026.3	5146.1	5241.6	5284.7
4316.8	15°	4358.0	4431.0	4603.2	4794.2	5011.3	5237.9	5404.5	5537.4	5644.1	5696.5
4419.8	17.5°	4474.1	4571.4	4788.6	5076.9	5387.6	5685.3	5879.9	5977.3	6087.7	6138.3
4515.3	20°	4586.4	4706.2	5017.0	5436.3	5850.0	6166.4	6323.6	6349.8	6357.3	6362.9
4605.1	22.5°	4702.5	4863.5	5303.4	5889.3	6333.0	6552.0	6574.5	6462.1	6304.9	6231.9
4693.1	25°	4829.8	5043.2	5677.8	6389.1	6748.6	6774.8	6602.5	6329.2	6031.6	5894.9
4764.2	27.5°	4953.3	5251.0	6127.1	6866.5	7048.1	6817.8	6447.2	6059.7	5700.2	5556.1
4814.8	30°	5076.9	5488.7	6623.1	7283.9	7184.7	6711.1	6201.9	5769.5	5408.2	5256.6
4859.7	32.5°	5202.3	5765.8	7194.1	7585.3	7160.4	6484.6	5896.8	5443.8	5125.5	4966.4
4899.0	35°	5344.6	6106.5	7735.1	7750.1	6997.5	6151.4	5494.3	5054.4	4777.3	4650.0
4945.8	37.5°	5529.9	6538.9	8212.5	7791.3	6713.0	5662.8	4994.5	4593.9	4365.5	4307.5
5015.1	40°	5760.1	7059.3	8577.5	7725.7	6291.8	5069.4	4447.9	4127.8	3998.6	4011.7
5108.7	42.5°	6059.7	7641.5	8834.0	7557.3	5705.9	4457.2	3968.6	3826.4	3888.1	3940.6
5249.1	45°	6449.0	8246.2	8993.1	7270.8	5043.2	3938.7	3686.0	3719.7	3766.5	3772.1
5475.6	47.5°	6947.0	8858.3	9097.9	6838.4	4367.4	3573.6	3506.3	3513.7	3504.4	3465.1
5814.4	50°	7568.5	9453.6	9191.5	6265.6	3792.7	3345.3	3255.4	3229.2	3100.0	2972.7
6265.6	52.5°	8276.1	10000.2	9230.8	5554.2	3345.3	3154.3	3008.3	2843.6	2602.1	2562.8
6832.8	55°	9062.3	10505.7	9129.7	4680.0	2969.0	2909.1	2688.2	2489.8	2463.6	2429.9
7579.7	57.5°	10002.1	11050.4	8923.8	3704.7	2583.4	2622.7	2407.4	2429.9	2383.1	2330.6
8540.1	60°	11029.8	11613.9	8562.5	2815.5	2184.6	2265.1	2334.4	2332.5	2319.4	2276.4
9552.8	62.5°	11954.6	11984.5	7851.2	2156.5	1834.6	1988.1	2177.1	2175.3	2164.0	2139.7
10610.5	65°	12505.0	11928.4	6664.3	1697.9	1546.3	1759.7	1963.7	1978.7	1980.6	1978.7
11406.1	67.5°	12407.6	11271.3	5035.7	1351.6	1308.5	1527.6	1752.2	1772.8	1787.8	1791.5
11507.2	70°	11306.9	9828.0	3283.5	1078.3	1097.0	1323.5	1551.9	1572.5	1585.6	1600.6
9985.2	72.5°	8813.4	7225.9	1879.5	872.4	911.7	1147.5	1353.5	1377.8	1385.3	1413.4
6948.9	75°	5370.8	4249.4	1014.6	687.0	748.8	980.9	1156.9	1185.0	1198.1	1231.8
3412.7	77.5°	2553.4	1840.2	578.4	535.4	602.8	801.2	977.2	1009.0	973.4	992.2
941.6	80°	863.0	683.3	365.0	408.1	460.5	625.2	782.5	814.3	739.4	735.7
312.6	82.5°	301.4	277.1	232.1	271.4	297.6	447.4	591.6	632.7	550.4	548.5
140.4	85°	117.9	112.3	129.2	147.9	177.8	275.2	389.4	410.0	338.8	273.3
41.2	87.5°	24.3	26.2	31.8	33.7	54.3	95.5	140.4	172.2	136.7	116.1
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°
4036.0
4187.7
4408.6
4663.2
4953.3
5284.7
5692.7
6136.4
6377.9
6252.5
5915.5
5572.9
5273.4
4987.0
4678.1
4348.7
4056.6
3989.2
3809.5
3495.0
2989.6
2575.9
2435.5
2321.3
2261.4
2130.3
1978.7
1795.2
1608.0
1424.6
1235.5
977.2
728.2
522.3
269.6
106.7
0.0

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