

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: P850183

Luminaire Tested: **GLAN-SB7C-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850183
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-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 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: 42094 lumens
Efficiency: N/A
Efficacy: 120.1 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

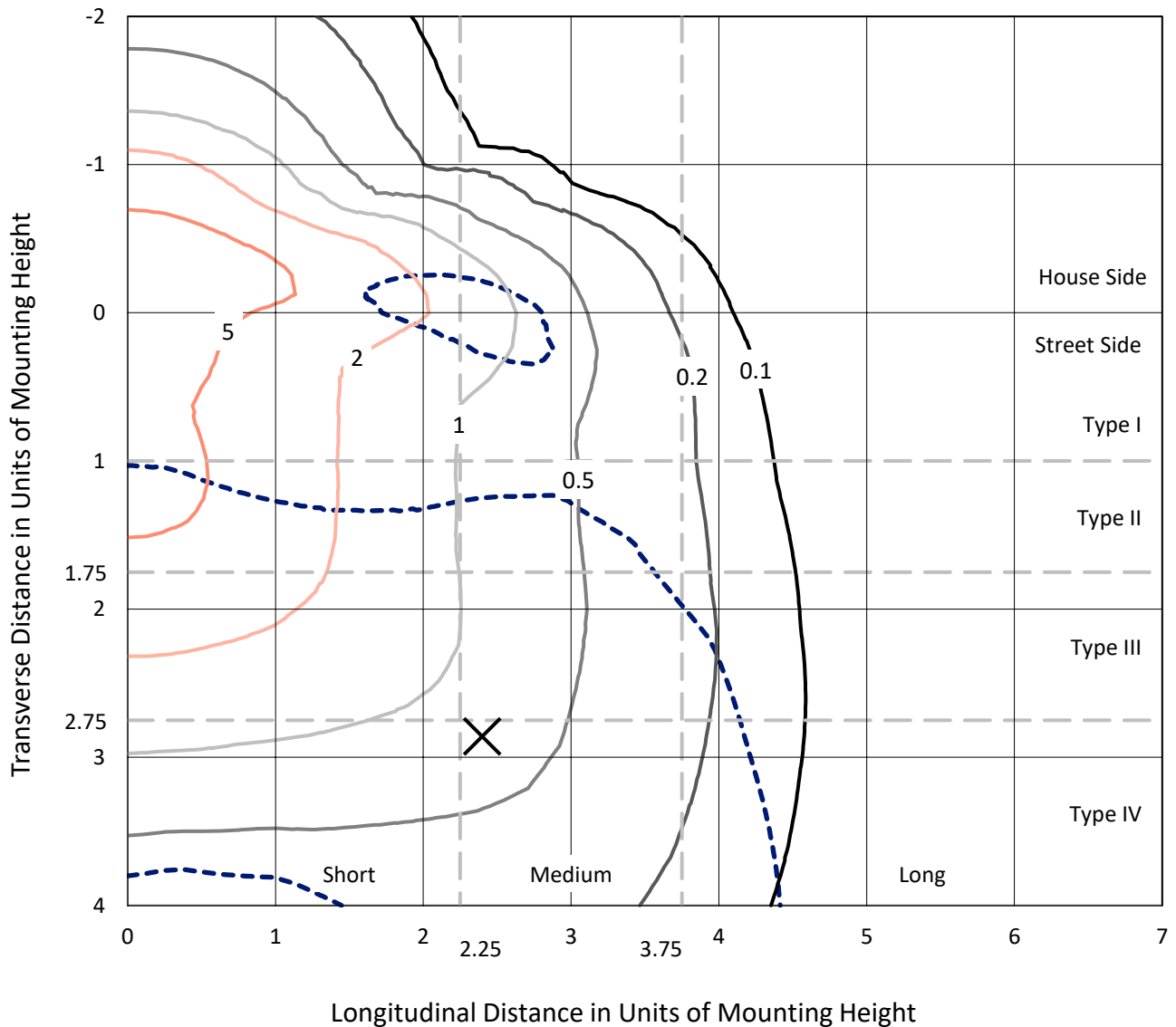
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

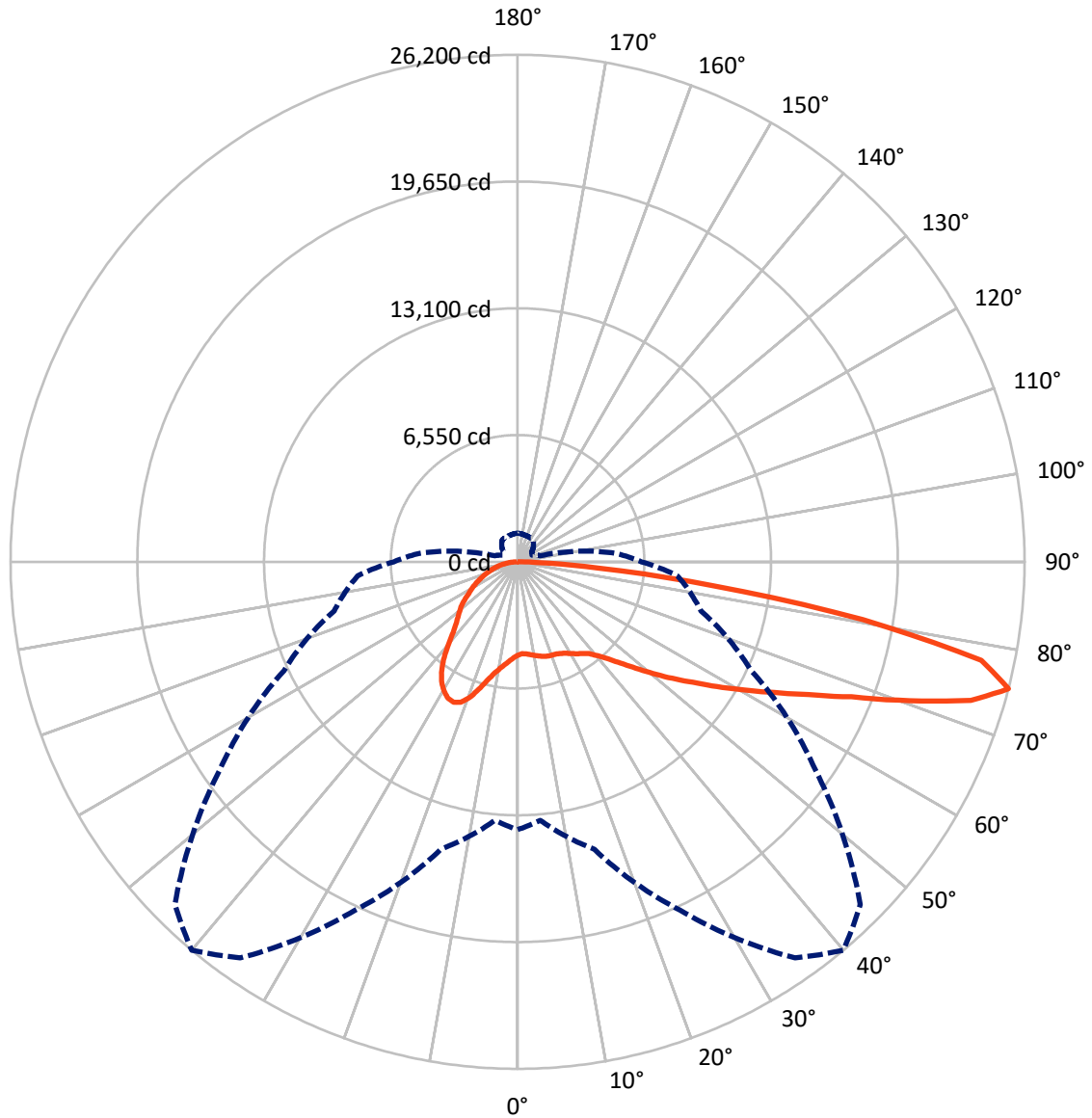
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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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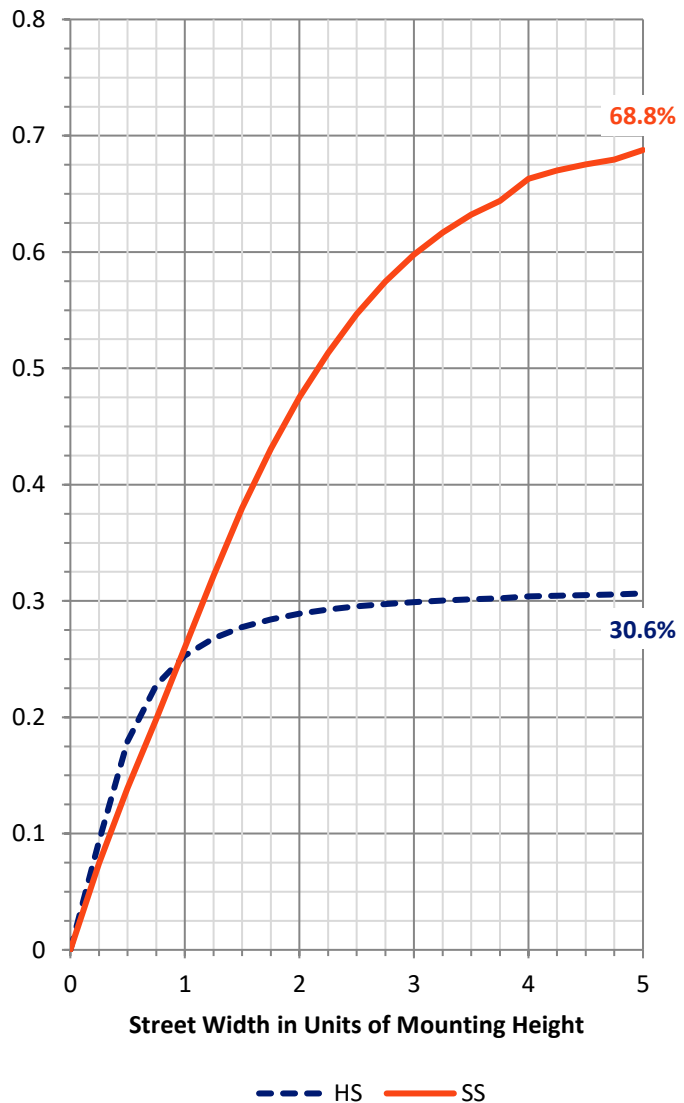
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13042.1	0.0	13042.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	29051.9	0.0	29051.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	42094.0	0.0	42094.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.5	1.1
10°-20°	1613.2	3.8
20°-30°	2945.6	7.0
30°-40°	4177.6	9.9
40°-50°	5641.0	13.4
50°-60°	7588.7	18.0
60°-70°	9631.8	22.9
70°-80°	8741.4	20.8
80°-90°	1274.2	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°	42094.0	100.0
0°-180°	42094.0	100.0

Coefficient of Utilization

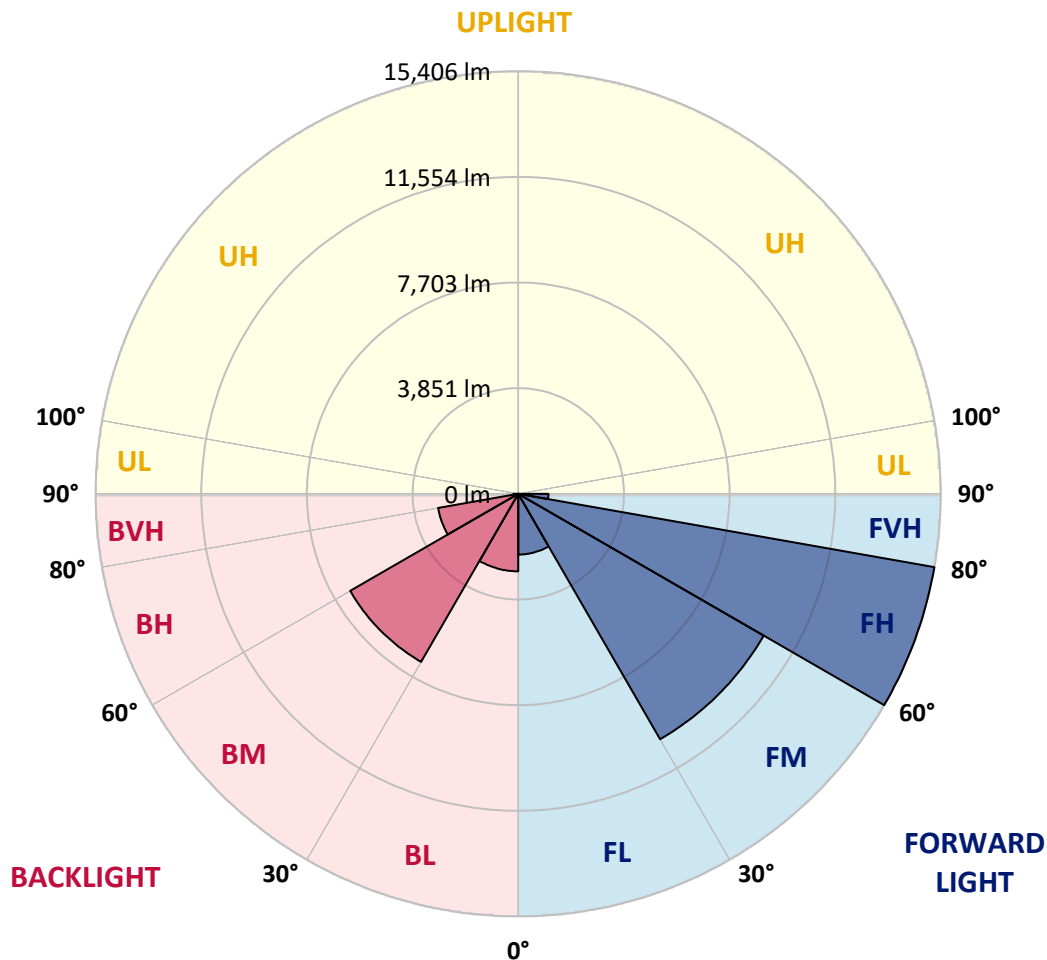


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2214.2	5.3			
FM (30°-60°)	10333.1	24.5			
FH (60°-80°)	15405.8	36.6			G5
FVH (80°-90°)	1098.8	2.6			G5
BL (0°-30°)	2825.0	6.7	B4/5000		
BM (30°-60°)	7074.2	16.8	B4/8500		
BH (60°-80°)	2967.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	175.4	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°	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5
2.5°	4739.8	4766.6	4759.9	4751.0	4751.0	4753.2	4751.0	4766.6	4782.2	4797.9
5°	4788.9	4815.7	4802.3	4791.2	4782.2	4780.0	4773.3	4771.1	4780.0	4800.1
7.5°	4884.9	4911.7	4891.6	4871.6	4853.7	4844.8	4835.8	4822.4	4815.7	4826.9
10°	4992.1	5018.9	4994.3	4958.6	4929.6	4918.4	4909.5	4896.1	4887.2	4893.9
12.5°	5099.3	5126.1	5092.6	5043.5	5005.5	4998.8	4987.6	4983.2	4981.0	4978.7
15°	5199.7	5222.1	5179.7	5121.6	5081.4	5070.3	5059.1	5065.8	5077.0	5090.3
17.5°	5277.9	5300.2	5237.7	5161.8	5123.8	5119.4	5112.7	5135.0	5166.3	5199.7
20°	5349.3	5371.7	5291.3	5188.6	5143.9	5143.9	5146.2	5193.0	5237.7	5286.8
22.5°	5449.8	5467.7	5369.4	5228.8	5164.0	5168.5	5186.4	5233.2	5289.1	5356.0
25°	5599.4	5612.8	5492.2	5304.7	5231.0	5244.4	5260.0	5282.4	5335.9	5414.1
27.5°	5840.5	5851.7	5693.2	5438.6	5327.0	5349.3	5371.7	5356.0	5380.6	5447.6
30°	6179.9	6186.6	5985.6	5648.5	5490.0	5501.1	5505.6	5440.9	5394.0	5447.6
32.5°	6581.7	6579.5	6340.6	5903.0	5675.3	5664.1	5626.2	5498.9	5389.5	5436.4
35°	7204.6	7180.1	6872.0	6260.2	5885.2	5815.9	5726.6	5563.7	5411.8	5425.2
37.5°	8236.1	8160.2	7733.8	6845.2	6197.7	6021.3	5889.6	5668.6	5461.0	5420.8
40°	9399.3	9303.3	8834.4	7646.7	6666.6	6383.0	6170.9	5818.2	5541.3	5440.9
42.5°	10779.0	10642.8	10138.3	8591.1	7260.4	6849.6	6530.4	6008.0	5659.7	5505.6
45°	12473.6	12292.7	11578.3	9656.0	8008.4	7461.4	7035.0	6296.0	5840.5	5630.6
47.5°	14186.0	14230.6	13214.8	10875.0	8905.9	8216.0	7666.8	6729.1	6104.0	5831.6
50°	16005.6	16036.8	14842.4	12225.8	9923.9	9068.9	8376.7	7213.6	6470.1	6117.3
52.5°	17425.5	17430.0	16320.4	13639.0	10984.4	10006.6	9142.5	7767.2	6894.3	6496.9
55°	18314.1	18302.9	17356.3	14976.3	12203.4	10991.1	9990.9	8396.8	7412.3	6943.4
57.5°	18959.3	18925.8	18070.7	16126.1	13502.8	12154.3	10950.9	9111.3	8024.0	7474.8
60°	19204.9	19184.8	18555.2	17119.6	14869.2	13440.3	12058.3	9910.6	8718.3	8102.1
62.5°	19298.7	19336.6	19030.8	18081.9	16331.5	14864.7	13275.1	10866.1	9499.8	8812.1
65°	19629.1	19698.3	19635.8	19341.1	17983.7	16532.5	14889.3	12002.5	10352.6	9573.4
67.5°	20283.3	20352.5	20379.3	20848.1	20001.9	18611.0	16903.1	13418.0	11350.6	10363.8
70°	20267.6	20247.5	20720.8	22047.0	22529.3	21488.9	19617.9	15159.4	12540.6	11020.2
72.5°	18448.0	18287.3	19405.8	22033.6	24632.4	24494.0	22933.4	17405.4	13567.6	11100.5
75°	13839.9	13411.3	15387.1	19856.8	24982.9	26199.7	25040.9	18798.6	13324.2	9807.9
77.5°	5918.6	5487.8	7816.4	14699.5	22359.6	24491.7	23107.5	16400.7	10636.1	6485.7
80°	1549.4	1547.2	2362.1	6664.3	15206.3	18086.4	15867.2	10591.5	6077.2	2317.4
82.5°	640.8	625.1	868.5	2592.1	7430.1	10149.4	8283.0	4724.2	2194.7	627.4
85°	238.9	236.7	422.0	895.3	2621.1	4186.1	3029.7	1207.8	547.0	305.9
87.5°	67.0	64.7	91.5	310.3	638.5	969.0	518.0	198.7	154.1	120.6
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°
4813.5	0°	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5	4813.5
4822.4	2.5°	4829.1	4840.3	4860.4	4876.0	4896.1	4918.4	4949.7	4969.8	4989.9	5003.3
4833.6	5°	4849.2	4873.8	4925.1	4976.5	5036.8	5092.6	5157.3	5204.2	5242.2	5253.3
4873.8	7.5°	4893.9	4934.1	5021.1	5108.2	5204.2	5295.7	5389.5	5469.9	5534.6	5559.2
4945.2	10°	4972.0	5025.6	5148.4	5271.2	5398.4	5539.1	5659.7	5775.8	5867.3	5905.3
5030.1	12.5°	5070.3	5137.2	5298.0	5467.7	5644.0	5838.3	5994.6	6137.4	6251.3	6302.7
5148.4	15°	5197.5	5284.6	5490.0	5717.7	5976.7	6246.8	6445.5	6604.1	6731.3	6793.8
5271.2	17.5°	5335.9	5452.0	5711.0	6054.8	6425.4	6780.4	7012.6	7128.7	7260.4	7320.7
5385.1	20°	5469.9	5612.8	5983.4	6483.5	6976.9	7354.2	7541.8	7573.0	7581.9	7588.6
5492.2	22.5°	5608.3	5800.3	6325.0	7023.8	7552.9	7814.1	7840.9	7707.0	7519.4	7432.4
5597.2	25°	5760.1	6014.6	6771.5	7619.9	8048.6	8079.8	7874.4	7548.5	7193.5	7030.5
5682.0	27.5°	5907.5	6262.5	7307.3	8189.2	8405.8	8131.2	7689.1	7227.0	6798.3	6626.4
5742.3	30°	6054.8	6546.0	7899.0	8687.1	8568.8	8003.9	7396.6	6880.9	6450.0	6269.2
5795.9	32.5°	6204.4	6876.4	8579.9	9046.5	8539.7	7733.8	7032.7	6492.4	6112.9	5923.1
5842.7	35°	6374.1	7282.8	9225.1	9243.0	8345.5	7336.4	6552.7	6028.0	5697.6	5545.8
5898.6	37.5°	6595.1	7798.5	9794.5	9292.1	8006.1	6753.6	5956.6	5478.8	5206.4	5137.2
5981.2	40°	6869.7	8419.2	10229.8	9214.0	7503.8	6045.9	5304.7	4922.9	4768.9	4784.5
6092.8	42.5°	7227.0	9113.5	10535.7	9013.0	6805.0	5315.8	4733.1	4563.5	4637.1	4699.6
6260.2	45°	7691.3	9834.6	10725.5	8671.5	6014.6	4697.4	4396.0	4436.2	4492.0	4498.7
6530.4	47.5°	8285.2	10564.7	10850.5	8155.7	5208.7	4262.1	4181.7	4190.6	4179.4	4132.6
6934.5	50°	9026.4	11274.7	10962.1	7472.5	4523.3	3989.7	3882.5	3851.3	3697.2	3545.4
7472.5	52.5°	9870.4	11926.6	11009.0	6624.2	3989.7	3761.9	3587.8	3391.3	3103.3	3056.4
8149.0	55°	10808.1	12529.4	10888.4	5581.5	3540.9	3469.5	3206.0	2969.4	2938.1	2897.9
9039.8	57.5°	11928.8	13179.1	10642.8	4418.3	3081.0	3127.9	2871.1	2897.9	2842.1	2779.6
10185.2	60°	13154.5	13851.1	10212.0	3357.8	2605.5	2701.5	2784.1	2781.8	2766.2	2714.9
11393.0	62.5°	14257.4	14293.2	9363.6	2572.0	2188.0	2371.0	2596.5	2594.3	2580.9	2551.9
12654.4	65°	14913.8	14226.2	7948.1	2025.0	1844.1	2098.7	2342.0	2359.9	2362.1	2359.9
13603.3	67.5°	14797.7	13442.5	6005.7	1611.9	1560.6	1821.8	2089.7	2114.3	2132.1	2136.6
13723.8	70°	13485.0	11721.2	3916.0	1286.0	1308.3	1578.5	1850.8	1875.4	1891.0	1908.9
11908.7	72.5°	10511.1	8617.9	2241.5	1040.4	1087.3	1368.6	1614.2	1643.2	1652.1	1685.6
8287.4	75°	6405.4	5068.0	1210.1	819.4	893.0	1169.9	1379.8	1413.2	1428.9	1469.1
4070.0	77.5°	3045.3	2194.7	689.9	638.5	718.9	955.6	1165.4	1203.4	1161.0	1183.3
1123.0	80°	1029.2	814.9	435.4	486.7	549.2	745.7	933.2	971.2	881.9	877.4
372.8	82.5°	359.5	330.4	276.8	323.7	355.0	533.6	705.5	754.6	656.4	654.2
167.4	85°	140.7	134.0	154.1	176.4	212.1	328.2	464.4	488.9	404.1	326.0
49.1	87.5°	29.0	31.3	38.0	40.2	64.7	113.9	167.4	205.4	163.0	138.4
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°
4813.5
4994.3
5257.8
5561.4
5907.5
6302.7
6789.4
7318.5
7606.5
7456.9
7055.0
6646.5
6289.3
5947.7
5579.3
5186.4
4838.1
4757.7
4543.4
4168.3
3565.5
3072.1
2904.6
2768.4
2697.0
2540.7
2359.9
2141.1
1917.8
1699.0
1473.5
1165.4
868.5
622.9
321.5
127.3
0.0

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