

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: P850203

Luminaire Tested: **GLAN-SB7C-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850203
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-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 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: 43713 lumens
Efficiency: N/A
Efficacy: 124.7 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

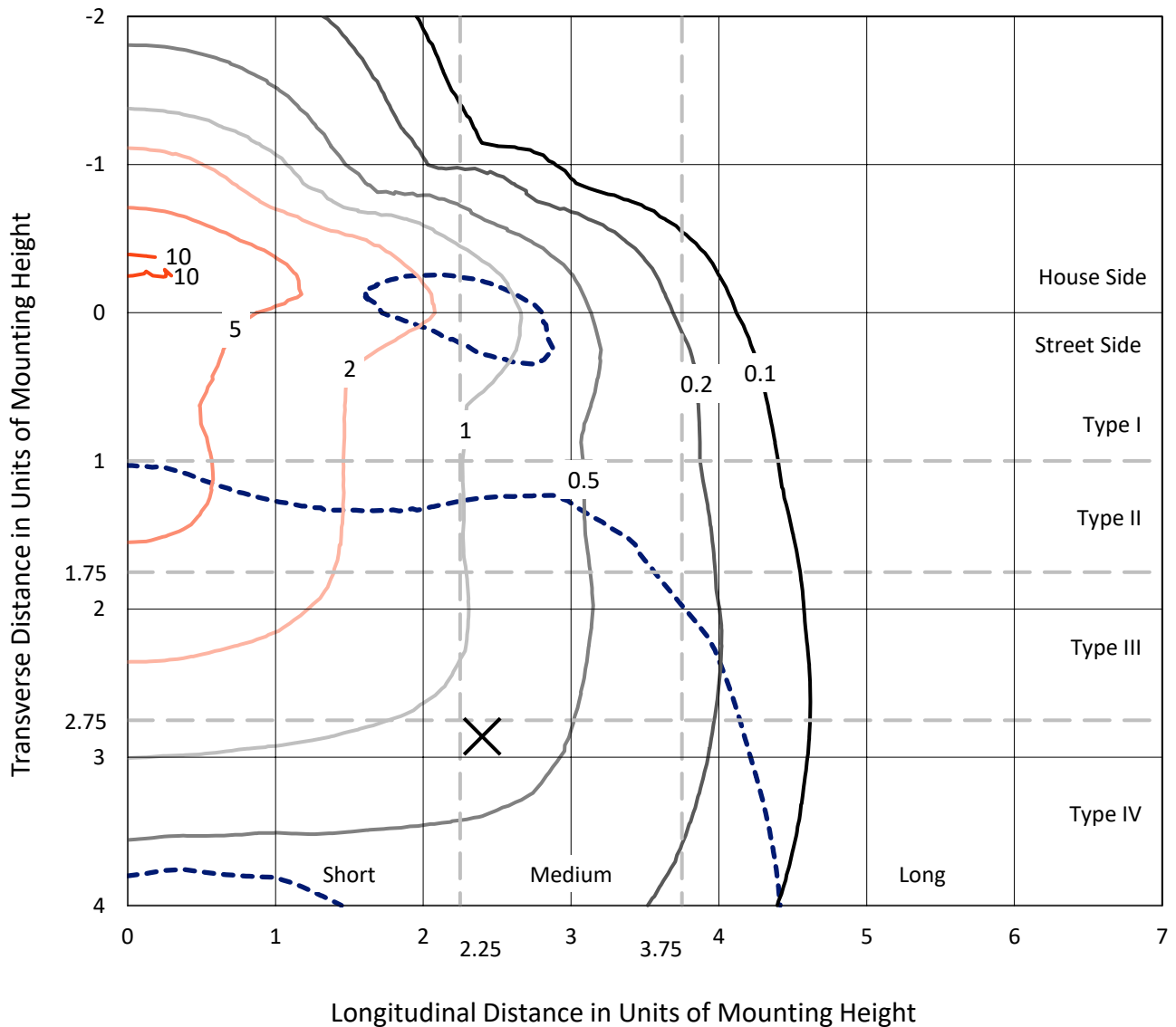
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

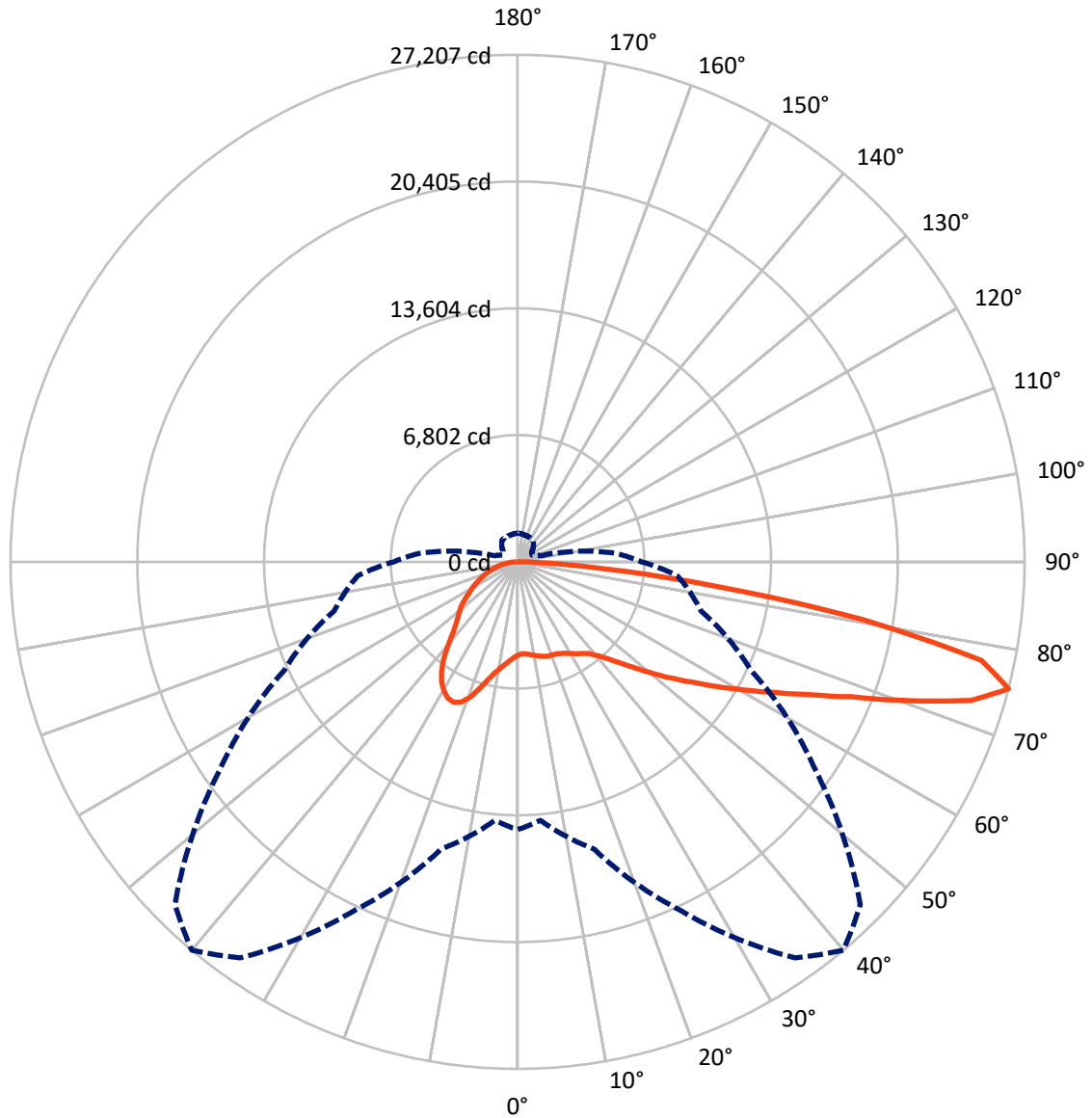
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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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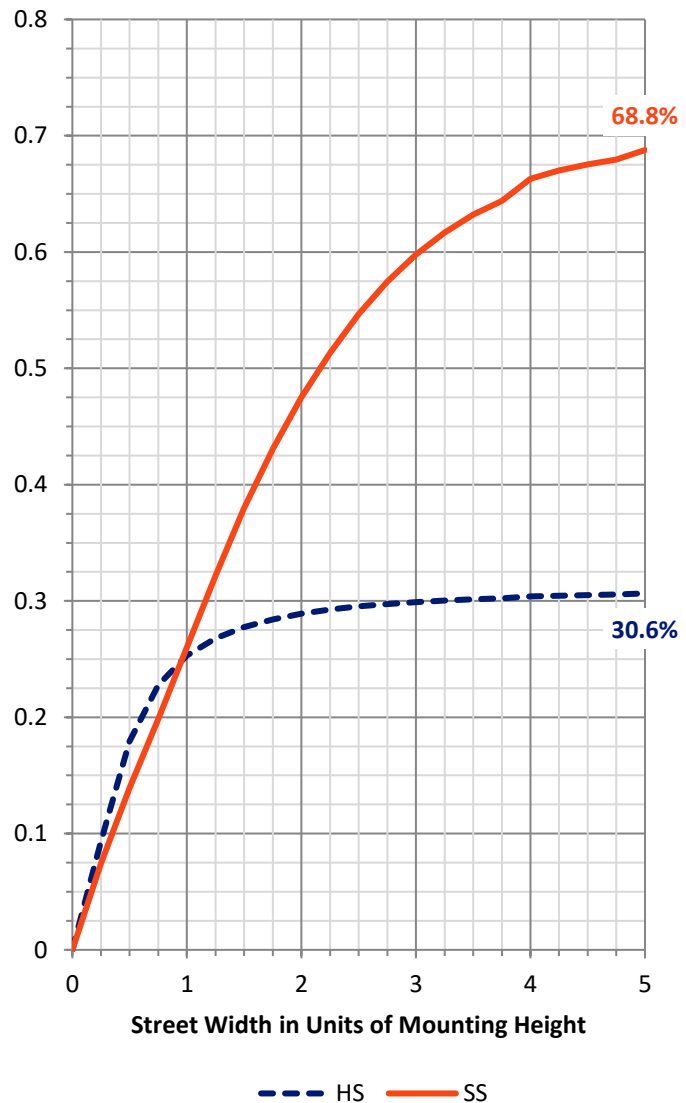
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13543.7	0.0	13543.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30169.3	0.0	30169.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	43713.0	0.0	43713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.0	1.1
10°-20°	1675.2	3.8
20°-30°	3058.8	7.0
30°-40°	4338.3	9.9
40°-50°	5858.0	13.4
50°-60°	7880.6	18.0
60°-70°	10002.2	22.9
70°-80°	9077.7	20.8
80°-90°	1323.2	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°	43713.0	100.0
0°-180°	43713.0	100.0

Coefficient of Utilization

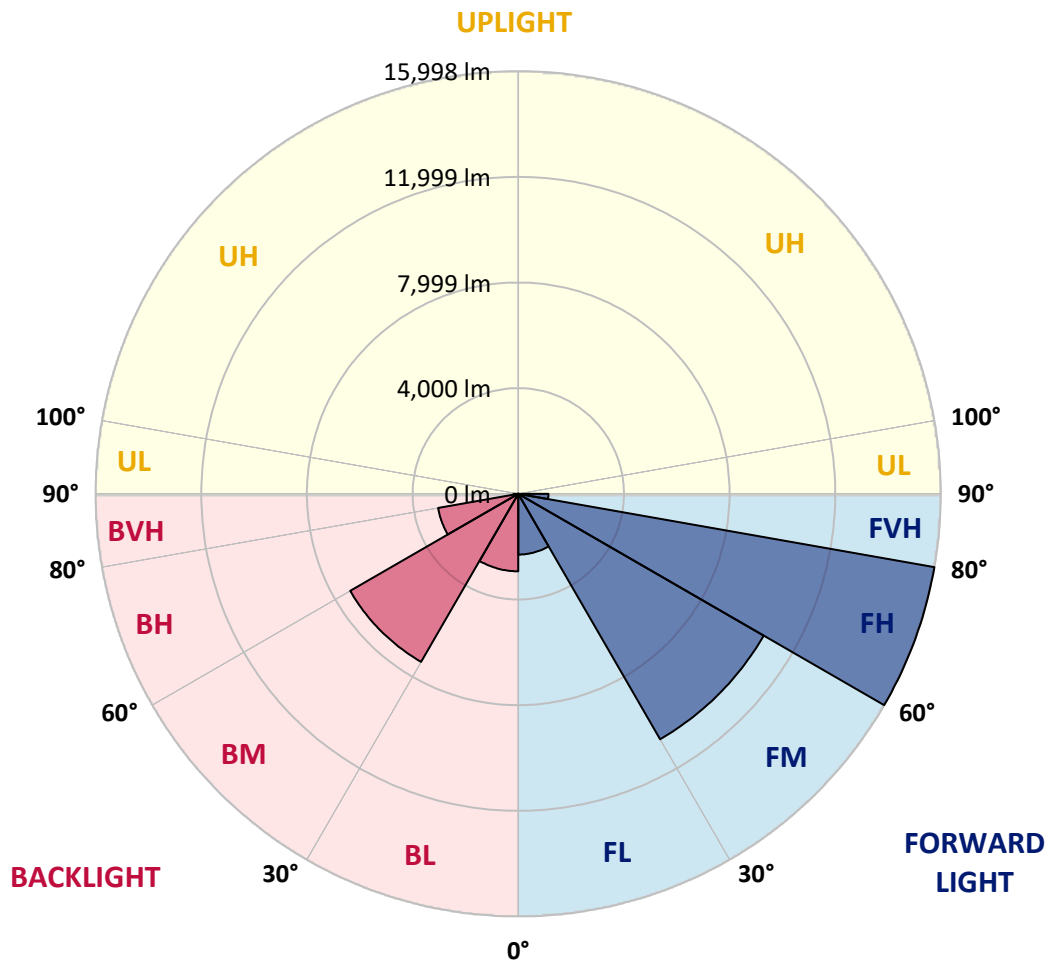


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2299.3	5.3			
FM (30°-60°)	10730.6	24.5			
FH (60°-80°)	15998.3	36.6			G5
FVH (80°-90°)	1141.1	2.6			G5
BL (0°-30°)	2933.7	6.7	B4/5000		
BM (30°-60°)	7346.3	16.8	B4/8500		
BH (60°-80°)	3081.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	182.2	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°	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6
2.5°	4922.1	4950.0	4943.0	4933.7	4933.7	4936.0	4933.7	4950.0	4966.2	4982.4
5°	4973.1	5001.0	4987.0	4975.5	4966.2	4963.9	4956.9	4954.6	4963.9	4984.7
7.5°	5072.8	5100.7	5079.8	5058.9	5040.4	5031.1	5021.8	5007.9	5001.0	5012.6
10°	5184.1	5211.9	5186.4	5149.3	5119.2	5107.6	5098.3	5084.4	5075.1	5082.1
12.5°	5295.4	5323.2	5288.4	5237.4	5198.0	5191.1	5179.5	5174.8	5172.5	5170.2
15°	5399.7	5422.9	5378.9	5318.6	5276.9	5265.3	5253.7	5260.6	5272.2	5286.1
17.5°	5480.9	5504.1	5439.2	5360.3	5320.9	5316.3	5309.3	5332.5	5365.0	5399.7
20°	5555.1	5578.3	5494.8	5388.1	5341.8	5341.8	5344.1	5392.8	5439.2	5490.2
22.5°	5659.4	5678.0	5575.9	5429.9	5362.6	5367.3	5385.8	5434.5	5492.5	5562.0
25°	5814.7	5828.7	5703.5	5508.7	5432.2	5446.1	5462.3	5485.5	5541.2	5622.3
27.5°	6065.1	6076.7	5912.1	5647.8	5531.9	5555.1	5578.3	5562.0	5587.5	5657.1
30°	6417.5	6424.5	6215.8	5865.8	5701.1	5712.7	5717.4	5650.1	5601.4	5657.1
32.5°	6834.9	6832.6	6584.5	6130.1	5893.6	5882.0	5842.6	5710.4	5596.8	5645.5
35°	7481.7	7456.2	7136.3	6501.0	6111.5	6039.6	5946.9	5777.6	5620.0	5633.9
37.5°	8552.9	8474.0	8031.2	7108.5	6436.1	6252.9	6116.1	5886.6	5671.0	5629.3
40°	9760.8	9661.1	9174.2	7940.8	6923.0	6628.5	6408.3	6042.0	5754.5	5650.1
42.5°	11193.6	11052.2	10528.2	8921.5	7539.7	7113.1	6781.5	6239.0	5877.3	5717.4
45°	12953.3	12765.5	12023.6	10027.4	8316.4	7748.4	7305.5	6538.1	6065.1	5847.2
47.5°	14731.6	14778.0	13723.1	11293.3	9248.4	8532.0	7961.7	6987.9	6338.7	6055.9
50°	16621.2	16653.6	15413.2	12696.0	10305.6	9417.7	8698.9	7491.0	6719.0	6352.6
52.5°	18095.7	18100.4	16948.1	14163.6	11406.9	10391.4	9494.2	8066.0	7159.5	6746.8
55°	19018.5	19006.9	18023.9	15552.4	12672.8	11413.9	10375.2	8719.8	7697.3	7210.5
57.5°	19688.5	19653.7	18765.8	16746.4	14022.2	12621.8	11372.1	9461.7	8332.6	7762.3
60°	19943.6	19922.7	19268.9	17778.1	15441.1	13957.2	12522.1	10291.7	9053.7	8413.8
62.5°	20040.9	20080.3	19762.7	18777.4	16959.7	15436.4	13785.7	11284.0	9865.1	9151.0
65°	20384.1	20455.9	20391.0	20085.0	18675.3	17168.3	15461.9	12464.1	10750.8	9941.6
67.5°	21063.4	21135.3	21163.1	21650.0	20771.2	19326.8	17553.2	13934.1	11787.1	10762.4
70°	21047.1	21026.3	21517.8	22895.0	23395.8	22315.4	20372.5	15742.5	13022.9	11444.0
72.5°	19157.6	18990.7	20152.2	22881.1	25579.8	25436.0	23815.4	18074.9	14089.4	11527.5
75°	14372.2	13927.1	15979.0	20620.5	25943.8	27207.3	26004.1	19521.6	13836.7	10185.1
77.5°	6146.3	5698.8	8117.0	15264.9	23219.6	25433.7	23996.3	17031.5	11045.2	6735.2
80°	1609.0	1606.7	2453.0	6920.7	15791.2	18782.0	16477.4	10998.9	6310.9	2406.6
82.5°	665.4	649.2	901.9	2691.8	7715.9	10539.8	8601.6	4905.9	2279.1	651.5
85°	248.1	245.8	438.2	929.7	2721.9	4347.1	3146.2	1254.3	568.0	317.6
87.5°	69.6	67.2	95.1	322.3	663.1	1006.2	537.9	206.3	160.0	125.2
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°
4998.6	0°	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6	4998.6
5007.9	2.5°	5014.9	5026.5	5047.3	5063.6	5084.4	5107.6	5140.1	5160.9	5181.8	5195.7
5019.5	5°	5035.7	5061.2	5114.6	5167.9	5230.5	5288.4	5355.7	5404.4	5443.8	5455.4
5061.2	7.5°	5082.1	5123.8	5214.3	5304.7	5404.4	5499.4	5596.8	5680.3	5747.5	5773.0
5135.4	10°	5163.3	5218.9	5346.4	5473.9	5606.1	5752.1	5877.3	5997.9	6093.0	6132.4
5223.5	12.5°	5265.3	5334.8	5501.7	5678.0	5861.1	6062.8	6225.1	6373.5	6491.7	6545.1
5346.4	15°	5397.4	5487.8	5701.1	5937.6	6206.6	6487.1	6693.4	6858.1	6990.2	7055.1
5473.9	17.5°	5541.2	5661.7	5930.7	6287.7	6672.6	7041.2	7282.3	7402.9	7539.7	7602.3
5592.2	20°	5680.3	5828.7	6213.5	6732.9	7245.2	7637.1	7831.8	7864.3	7873.6	7880.5
5703.5	22.5°	5824.0	6023.4	6568.2	7293.9	7843.4	8114.7	8142.5	8003.4	7808.6	7718.2
5812.4	25°	5981.7	6246.0	7031.9	7913.0	8358.1	8390.6	8177.3	7838.8	7470.1	7300.9
5900.5	27.5°	6134.7	6503.3	7588.4	8504.2	8729.1	8443.9	7984.8	7504.9	7059.8	6881.2
5963.1	30°	6287.7	6797.8	8202.8	9021.2	8898.3	8311.7	7681.1	7145.6	6698.1	6510.3
6018.8	32.5°	6443.1	7140.9	8909.9	9394.5	8868.2	8031.2	7303.2	6742.1	6348.0	6150.9
6067.5	35°	6619.3	7562.9	9580.0	9598.5	8666.5	7618.5	6804.7	6259.9	5916.8	5759.1
6125.4	37.5°	6848.8	8098.4	10171.2	9649.5	8314.1	7013.4	6185.7	5689.5	5406.7	5334.8
6211.2	40°	7134.0	8743.0	10623.3	9568.4	7792.4	6278.4	5508.7	5112.2	4952.3	4968.5
6327.1	42.5°	7504.9	9464.0	10940.9	9359.7	7066.7	5520.3	4915.2	4739.0	4815.5	4880.4
6501.0	45°	7987.2	10212.9	11138.0	9005.0	6246.0	4878.1	4565.1	4606.8	4664.8	4671.7
6781.5	47.5°	8603.9	10971.0	11267.8	8469.4	5409.0	4426.0	4342.5	4351.8	4340.2	4291.5
7201.2	50°	9373.6	11708.3	11383.7	7759.9	4697.2	4143.1	4031.8	3999.4	3839.4	3681.7
7759.9	52.5°	10250.0	12385.3	11432.4	6878.9	4143.1	3906.6	3725.8	3521.8	3222.7	3174.0
8462.4	55°	11223.8	13011.3	11307.2	5796.2	3677.1	3602.9	3329.3	3083.6	3051.1	3009.4
9387.5	57.5°	12387.6	13686.0	11052.2	4588.3	3199.5	3248.2	2981.6	3009.4	2951.4	2886.5
10576.9	60°	13660.5	14383.8	10604.7	3487.0	2705.7	2805.4	2891.1	2888.8	2872.6	2819.3
11831.2	62.5°	14805.8	14842.9	9723.7	2670.9	2272.1	2462.2	2696.4	2694.1	2680.2	2650.0
13141.1	65°	15487.4	14773.3	8253.8	2102.9	1915.1	2179.4	2432.1	2450.6	2453.0	2450.6
14126.5	67.5°	15366.9	13959.6	6236.7	1673.9	1620.6	1891.9	2170.1	2195.6	2214.1	2218.8
14251.7	70°	14003.6	12172.0	4066.6	1335.4	1358.6	1639.2	1922.0	1947.5	1963.8	1982.3
12366.8	72.5°	10915.4	8949.3	2327.8	1080.4	1129.1	1421.2	1676.3	1706.4	1715.7	1750.5
8606.2	75°	6651.7	5262.9	1256.6	850.9	927.4	1214.9	1432.8	1467.6	1483.8	1525.6
4226.6	77.5°	3162.4	2279.1	716.4	663.1	746.6	992.3	1210.2	1249.7	1205.6	1228.8
1166.2	80°	1068.8	846.2	452.1	505.4	570.3	774.4	969.1	1008.5	915.8	911.2
387.2	82.5°	373.3	343.1	287.5	336.2	368.6	554.1	732.6	783.6	681.6	679.3
173.9	85°	146.1	139.1	160.0	183.2	220.3	340.8	482.2	507.7	419.6	338.5
51.0	87.5°	30.1	32.5	39.4	41.7	67.2	118.2	173.9	213.3	169.2	143.7
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°
4998.6
5186.4
5460.0
5775.3
6134.7
6545.1
7050.5
7600.0
7899.1
7743.7
7326.4
6902.1
6531.2
6176.4
5793.9
5385.8
5024.1
4940.7
4718.1
4328.6
3702.6
3190.2
3016.3
2874.9
2800.7
2638.4
2450.6
2223.4
1991.6
1764.4
1530.2
1210.2
901.9
646.9
333.9
132.2
0.0

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