

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: P850793

Luminaire Tested: **GLAN-SB8C-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850793
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-SB8C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 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: 46942 lumens
Efficiency: N/A
Efficacy: 117.4 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

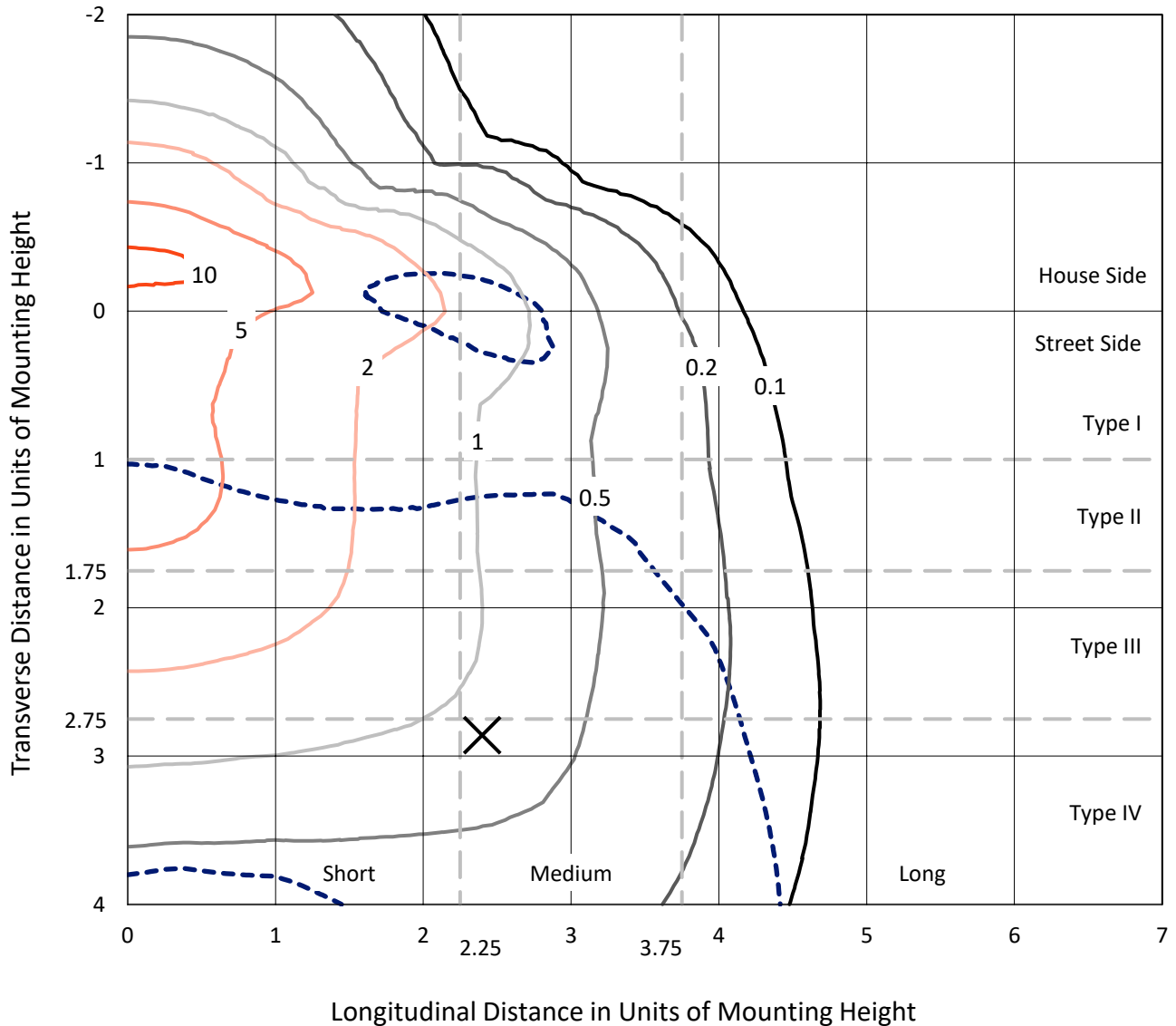
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

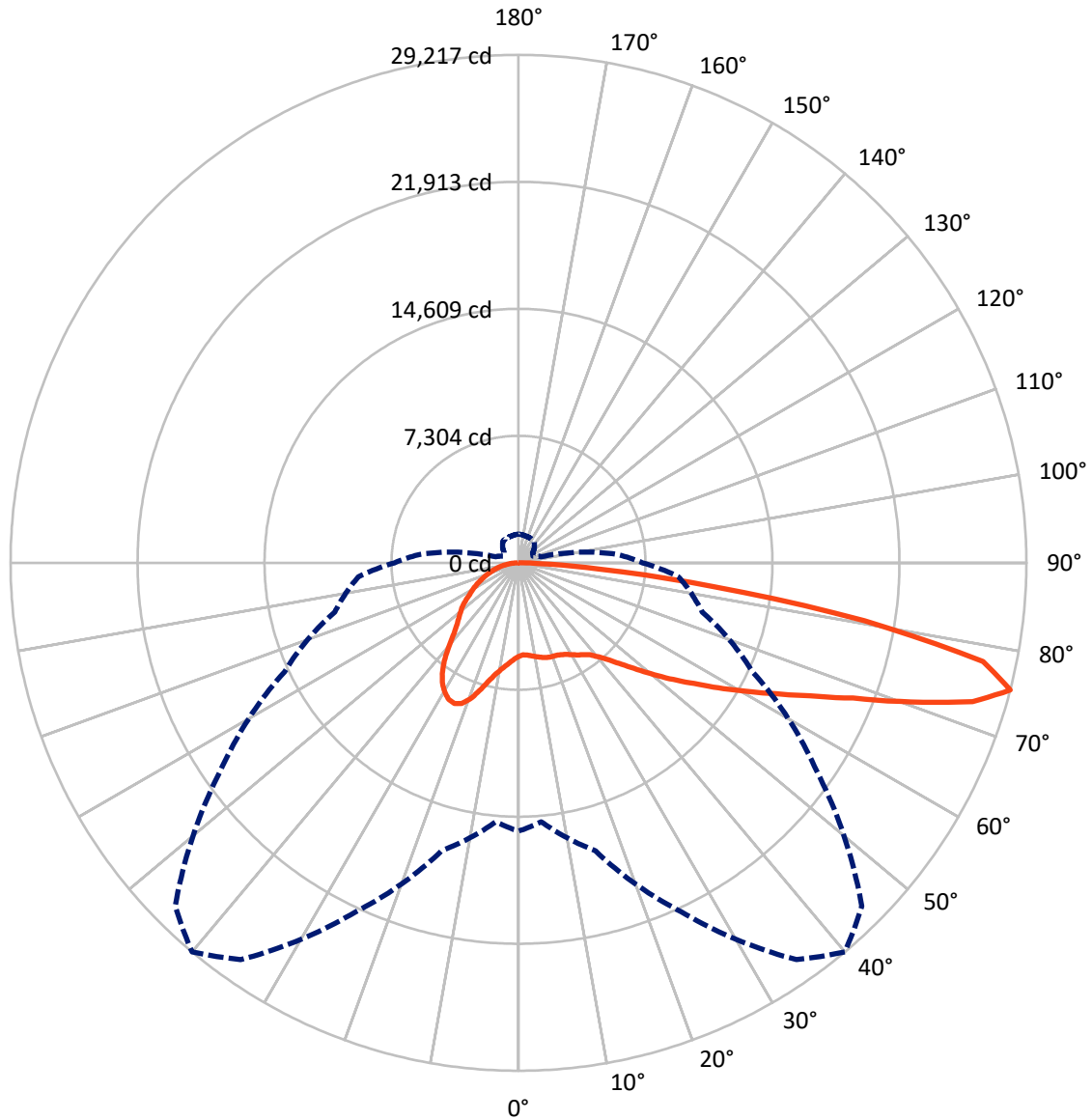
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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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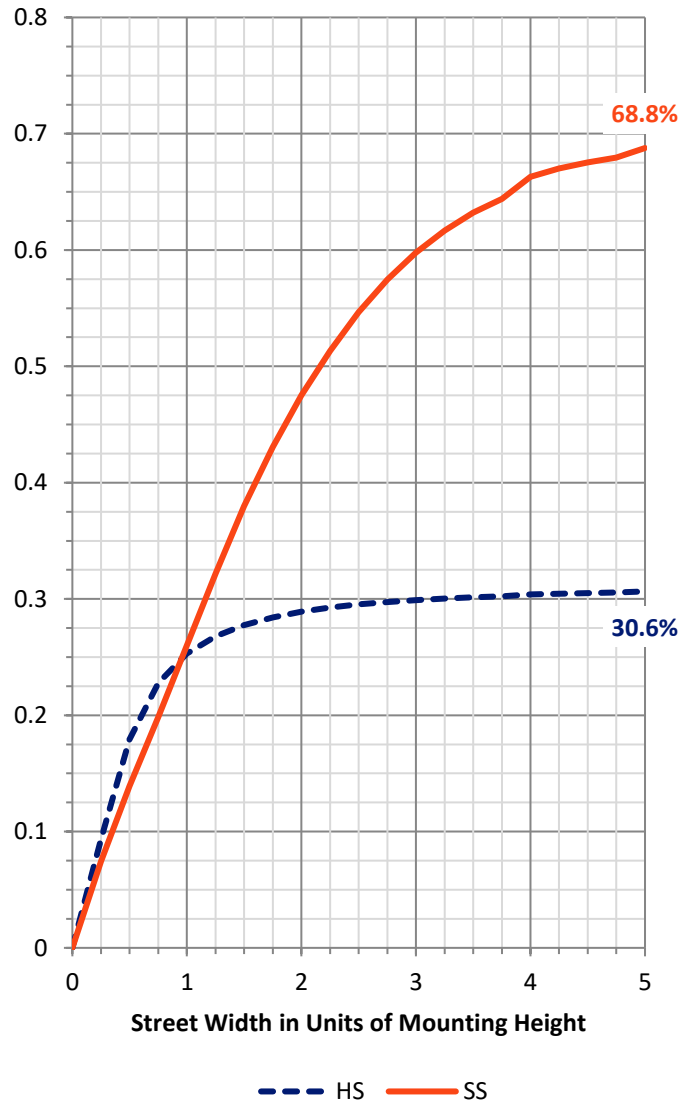
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14544.2	0.0	14544.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	32397.8	0.0	32397.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	46942.0	0.0	46942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.8	1.1
10°-20°	1799.0	3.8
20°-30°	3284.8	7.0
30°-40°	4658.7	9.9
40°-50°	6290.7	13.4
50°-60°	8462.7	18.0
60°-70°	10741.1	22.9
70°-80°	9748.2	20.8
80°-90°	1421.0	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°	46942.0	100.0
0°-180°	46942.0	100.0

Coefficient of Utilization

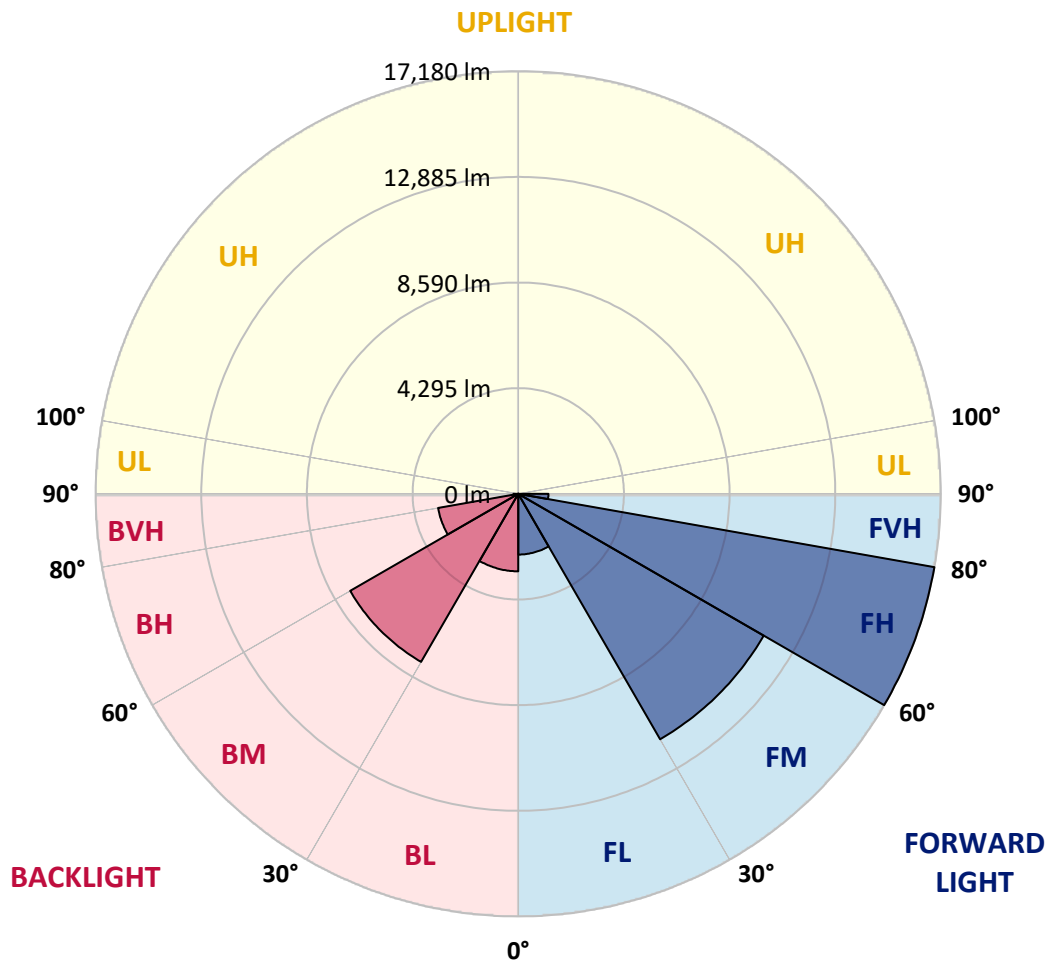


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2469.2	5.3			
FM (30°-60°)	11523.2	24.5			
FH (60°-80°)	17180.1	36.6			G5
FVH (80°-90°)	1225.3	2.6			G5
BL (0°-30°)	3150.4	6.7	B4/5000		
BM (30°-60°)	7888.9	16.8	B4/8500		
BH (60°-80°)	3309.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	195.6	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°	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9
2.5°	5285.7	5315.6	5308.1	5298.2	5298.2	5300.7	5298.2	5315.6	5333.0	5350.5
5°	5340.5	5370.4	5355.4	5343.0	5333.0	5330.5	5323.1	5320.6	5330.5	5352.9
7.5°	5447.6	5477.4	5455.0	5432.6	5412.7	5402.7	5392.8	5377.8	5370.4	5382.8
10°	5567.1	5596.9	5569.5	5529.7	5497.3	5484.9	5474.9	5460.0	5450.0	5457.5
12.5°	5686.6	5716.4	5679.1	5624.3	5582.0	5574.5	5562.1	5557.1	5554.6	5552.1
15°	5798.6	5823.5	5776.2	5711.5	5666.6	5654.2	5641.8	5649.2	5661.7	5676.6
17.5°	5885.7	5910.6	5840.9	5756.3	5714.0	5709.0	5701.5	5726.4	5761.3	5798.6
20°	5965.4	5990.3	5900.7	5786.2	5736.4	5736.4	5738.9	5791.1	5840.9	5895.7
22.5°	6077.5	6097.4	5987.8	5831.0	5758.8	5763.7	5783.7	5836.0	5898.2	5972.9
25°	6244.3	6259.2	6124.8	5915.6	5833.5	5848.4	5865.8	5890.7	5950.5	6037.6
27.5°	6513.2	6525.6	6348.8	6065.0	5940.5	5965.4	5990.3	5972.9	6000.3	6075.0
30°	6891.6	6899.1	6675.0	6299.0	6122.3	6134.7	6139.7	6067.5	6015.2	6075.0
32.5°	7339.8	7337.3	7070.9	6582.9	6328.9	6316.5	6274.1	6132.2	6010.2	6062.5
35°	8034.4	8007.0	7663.4	6981.2	6563.0	6485.8	6386.2	6204.4	6035.1	6050.1
37.5°	9184.7	9100.0	8624.5	7633.5	6911.5	6714.8	6567.9	6321.5	6089.9	6045.1
40°	10481.8	10374.7	9851.9	8527.4	7434.4	7118.2	6881.6	6488.3	6179.5	6067.5
42.5°	12020.5	11868.6	11305.9	9580.5	8096.6	7638.5	7282.5	6699.9	6311.5	6139.7
45°	13910.2	13708.5	12911.8	10768.1	8930.7	8320.7	7845.2	7021.1	6513.2	6279.1
47.5°	15819.8	15869.6	14736.8	12127.5	9931.6	9162.2	8549.8	7504.1	6807.0	6503.2
50°	17848.9	17883.8	16551.8	13633.8	11066.9	10113.3	9341.5	8044.4	7215.3	6821.9
52.5°	19432.4	19437.4	18200.0	15209.8	12249.5	11159.0	10195.5	8661.8	7688.3	7245.1
55°	20423.3	20410.9	19355.2	16701.2	13608.9	12257.0	11141.6	9363.9	8265.9	7743.1
57.5°	21142.9	21105.5	20152.0	17983.4	15057.9	13554.1	12212.2	10160.6	8948.1	8335.7
60°	21416.7	21394.3	20692.2	19091.3	16581.7	14988.2	13447.1	11052.0	9722.4	9035.3
62.5°	21521.3	21563.6	21222.5	20164.4	18212.5	16576.7	14804.0	12117.6	10593.8	9827.0
65°	21889.8	21967.0	21897.3	21568.6	20054.9	18436.5	16604.1	13384.8	11544.9	10676.0
67.5°	22619.3	22696.5	22726.4	23249.2	22305.6	20754.5	18849.8	14963.3	12657.8	11557.4
70°	22601.9	22579.5	23107.3	24586.2	25124.0	23963.8	21877.3	16905.3	13984.9	12289.4
72.5°	20572.7	20393.5	21640.8	24571.2	27469.3	27314.9	25574.6	19410.0	15130.2	12379.0
75°	15433.9	14955.9	17159.3	22143.8	27860.2	29217.1	27924.9	20963.6	14858.8	10937.4
77.5°	6600.3	6119.8	8716.6	16392.5	24934.7	27312.5	25768.8	18289.6	11861.1	7232.7
80°	1727.9	1725.4	2634.1	7431.9	16957.6	20169.4	17694.6	11811.3	6777.1	2584.4
82.5°	714.6	697.1	968.5	2890.6	8285.9	11318.4	9236.9	5268.3	2447.4	699.6
85°	266.4	263.9	470.6	998.4	2923.0	4668.3	3378.6	1346.9	610.0	341.1
87.5°	74.7	72.2	102.1	346.1	712.1	1080.5	577.6	221.6	171.8	134.4
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°
5367.9	0°	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9	5367.9
5377.8	2.5°	5385.3	5397.8	5420.2	5437.6	5460.0	5484.9	5519.8	5542.2	5564.6	5579.5
5390.3	5°	5407.7	5435.1	5492.4	5549.6	5616.9	5679.1	5751.3	5803.6	5845.9	5858.4
5435.1	7.5°	5457.5	5502.3	5599.4	5696.5	5803.6	5905.7	6010.2	6099.9	6172.1	6199.5
5514.8	10°	5544.7	5604.4	5741.3	5878.3	6020.2	6177.0	6311.5	6441.0	6543.0	6585.4
5609.4	12.5°	5654.2	5728.9	5908.2	6097.4	6294.1	6510.7	6685.0	6844.3	6971.3	7028.5
5741.3	15°	5796.1	5893.2	6122.3	6376.2	6665.0	6966.3	7187.9	7364.7	7506.6	7576.3
5878.3	17.5°	5950.5	6079.9	6368.8	6752.2	7165.5	7561.3	7820.3	7949.7	8096.6	8163.9
6005.3	20°	6099.9	6259.2	6672.5	7230.2	7780.4	8201.2	8410.3	8445.2	8455.2	8462.6
6124.8	22.5°	6254.2	6468.3	7053.4	7832.7	8422.8	8714.1	8744.0	8594.6	8385.4	8288.3
6241.8	25°	6423.5	6707.4	7551.4	8497.5	8975.5	9010.4	8781.3	8417.8	8021.9	7840.2
6336.4	27.5°	6587.9	6983.7	8148.9	9132.4	9373.9	9067.6	8574.7	8059.3	7581.3	7389.5
6403.6	30°	6752.2	7299.9	8808.7	9687.6	9555.6	8925.7	8248.5	7673.4	7192.9	6991.2
6463.4	32.5°	6919.0	7668.4	9568.1	10088.4	9523.3	8624.5	7842.7	7240.2	6816.9	6605.3
6515.7	35°	7108.2	8121.5	10287.6	10307.5	9306.6	8181.3	7307.4	6722.3	6353.8	6184.5
6577.9	37.5°	7354.7	8696.7	10922.5	10362.3	8928.2	7531.5	6642.6	6109.8	5806.1	5728.9
6670.0	40°	7660.9	9388.8	11408.0	10275.2	8368.0	6742.2	5915.6	5489.9	5318.1	5335.5
6794.5	42.5°	8059.3	10163.1	11749.1	10051.1	7588.7	5928.1	5278.2	5089.0	5171.2	5240.9
6981.2	45°	8577.2	10967.3	11960.7	9670.2	6707.4	5238.4	4902.3	4947.1	5009.4	5016.8
7282.5	47.5°	9239.4	11781.5	12100.1	9095.0	5808.6	4752.9	4663.3	4673.2	4660.8	4608.5
7733.1	50°	10066.0	12573.2	12224.6	8333.2	5044.2	4449.2	4329.7	4294.8	4123.0	3953.7
8333.2	52.5°	11007.1	13300.2	12276.9	7387.1	4449.2	4195.2	4001.0	3781.9	3460.7	3408.5
9087.6	55°	12052.8	13972.4	12142.5	6224.4	3948.7	3869.1	3575.3	3311.4	3276.5	3231.7
10081.0	57.5°	13302.7	14696.9	11868.6	4927.2	3435.8	3488.1	3201.8	3231.7	3169.4	3099.7
11358.2	60°	14669.6	15446.3	11388.1	3744.6	2905.5	3012.6	3104.7	3102.2	3084.8	3027.5
12705.1	62.5°	15899.5	15939.3	10442.0	2868.2	2439.9	2644.1	2895.6	2893.1	2878.1	2845.8
14111.8	65°	16631.5	15864.6	8863.5	2258.2	2056.5	2340.4	2611.7	2631.7	2634.1	2631.7
15170.0	67.5°	16502.0	14990.7	6697.4	1797.6	1740.3	2031.6	2330.4	2357.8	2377.7	2382.7
15304.4	70°	15038.0	13071.1	4367.0	1434.1	1459.0	1760.2	2064.0	2091.4	2108.8	2128.7
13280.3	72.5°	11721.7	9610.4	2499.7	1160.2	1212.5	1526.2	1800.1	1832.4	1842.4	1879.8
9241.9	75°	7143.1	5651.7	1349.4	913.7	995.9	1304.6	1538.7	1576.0	1593.4	1638.2
4538.8	77.5°	3396.0	2447.4	769.3	712.1	801.7	1065.6	1299.6	1342.0	1294.7	1319.6
1252.3	80°	1147.8	908.8	485.5	542.8	612.5	831.6	1040.7	1083.0	983.4	978.5
415.8	82.5°	400.8	368.5	308.7	361.0	395.9	595.0	786.8	841.5	732.0	729.5
186.7	85°	156.9	149.4	171.8	196.7	236.5	366.0	517.9	545.3	450.6	363.5
54.8	87.5°	32.4	34.9	42.3	44.8	72.2	127.0	186.7	229.1	181.8	154.4
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°
5367.9
5569.5
5863.3
6201.9
6587.9
7028.5
7571.3
8161.4
8482.5
8315.7
7867.6
7412.0
7013.6
6632.7
6221.9
5783.7
5395.3
5305.6
5066.6
4648.3
3976.1
3425.9
3239.2
3087.3
3007.6
2833.3
2631.7
2387.7
2138.7
1894.7
1643.2
1299.6
968.5
694.6
358.5
141.9
0.0

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