

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: P851308

Luminaire Tested: **GLAN-SB9B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40135 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

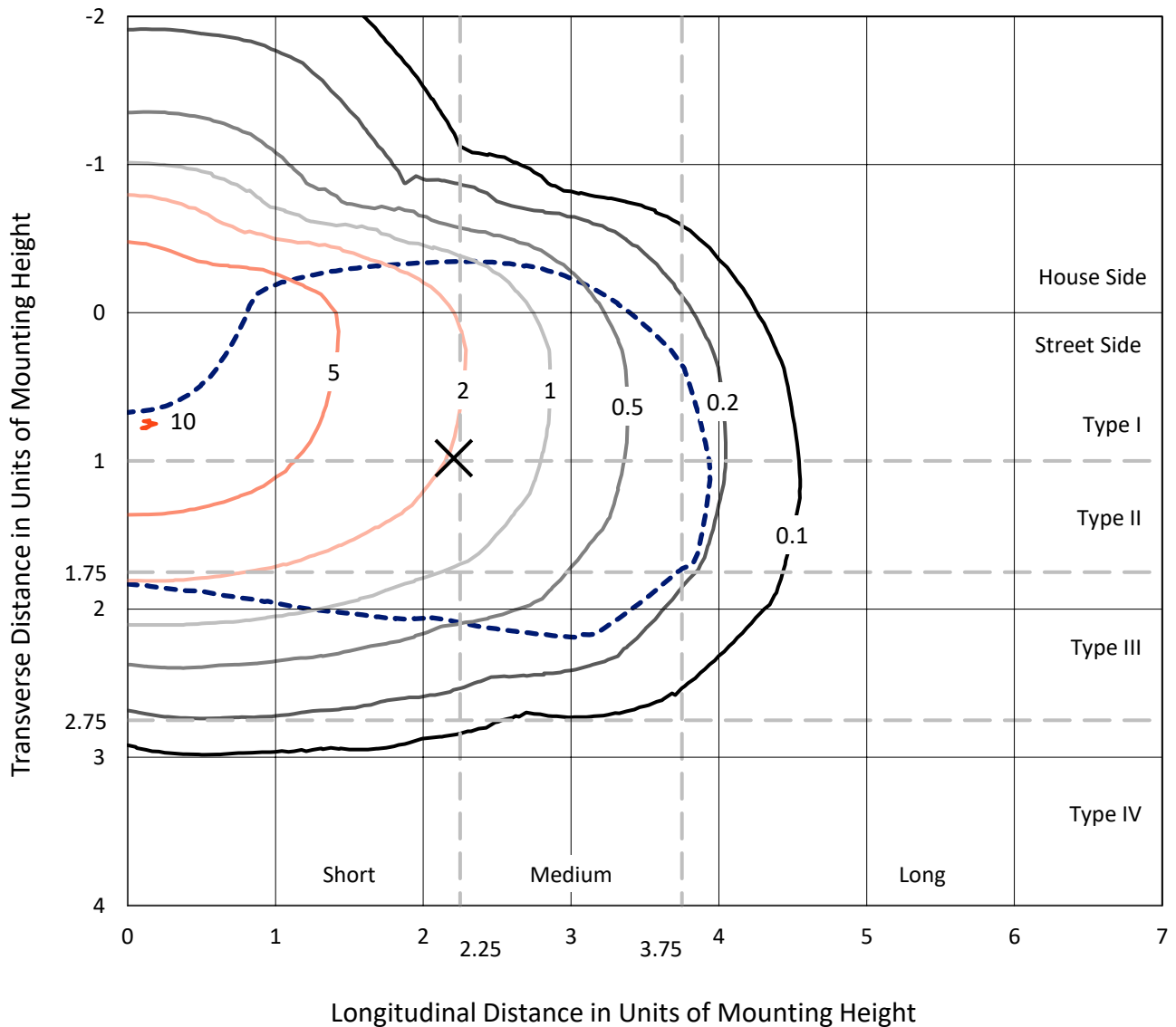
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

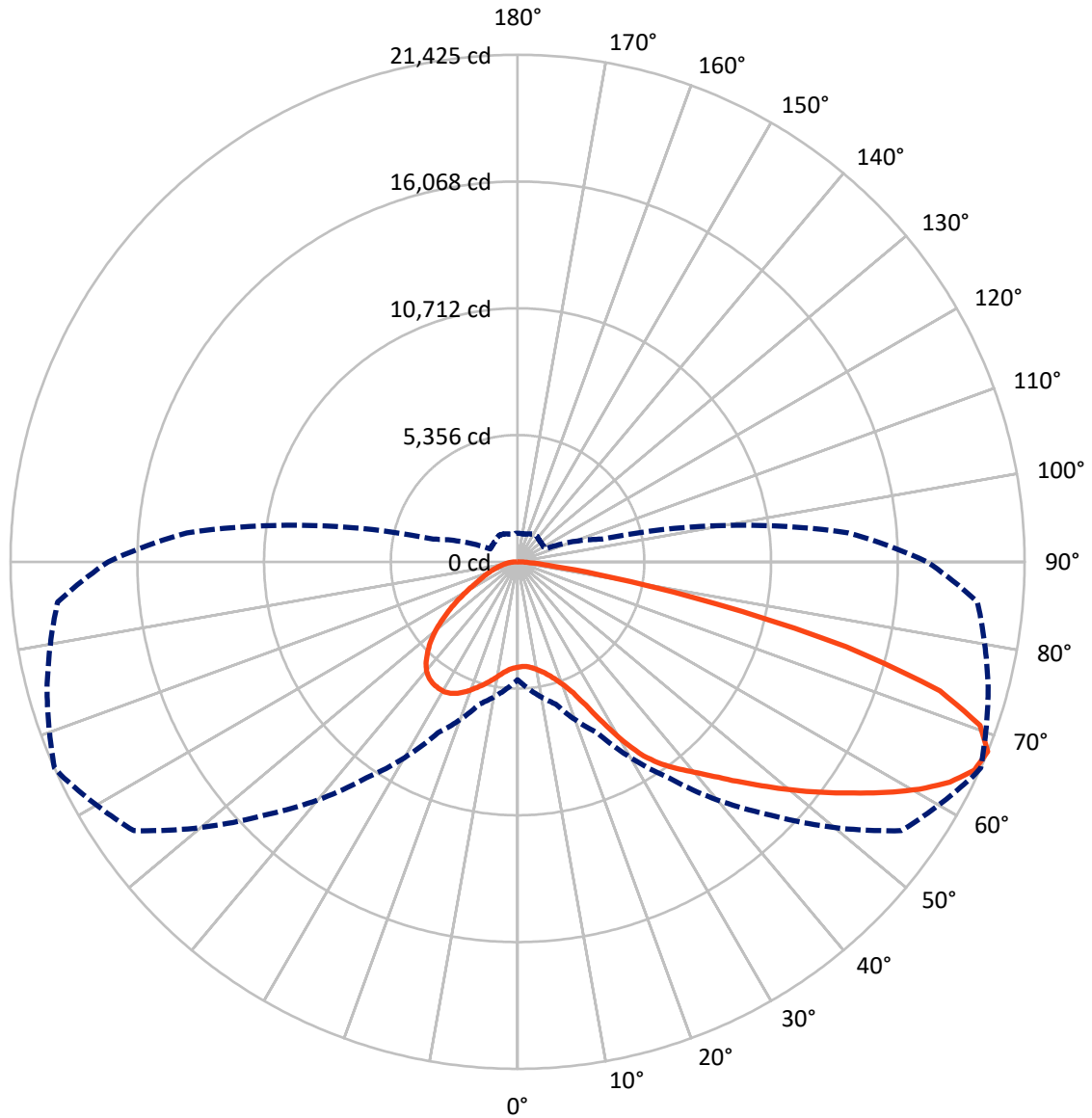
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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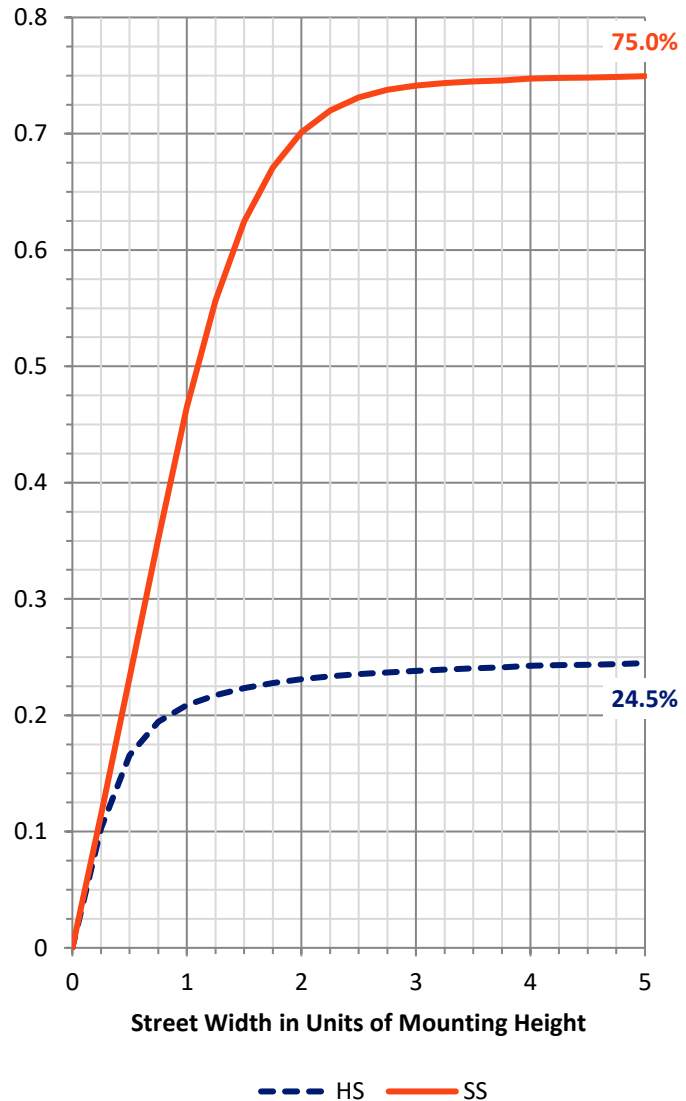
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9979.4	0.0	9979.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	30155.6	0.0	30155.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	40135.0	0.0	40135.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.3	1.1
10°-20°	1458.2	3.6
20°-30°	2810.5	7.0
30°-40°	4927.9	12.3
40°-50°	7326.1	18.3
50°-60°	9286.6	23.1
60°-70°	9086.7	22.6
70°-80°	4334.4	10.8
80°-90°	463.2	1.2
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°	40135.0	100.0
0°-180°	40135.0	100.0

Coefficient of Utilization

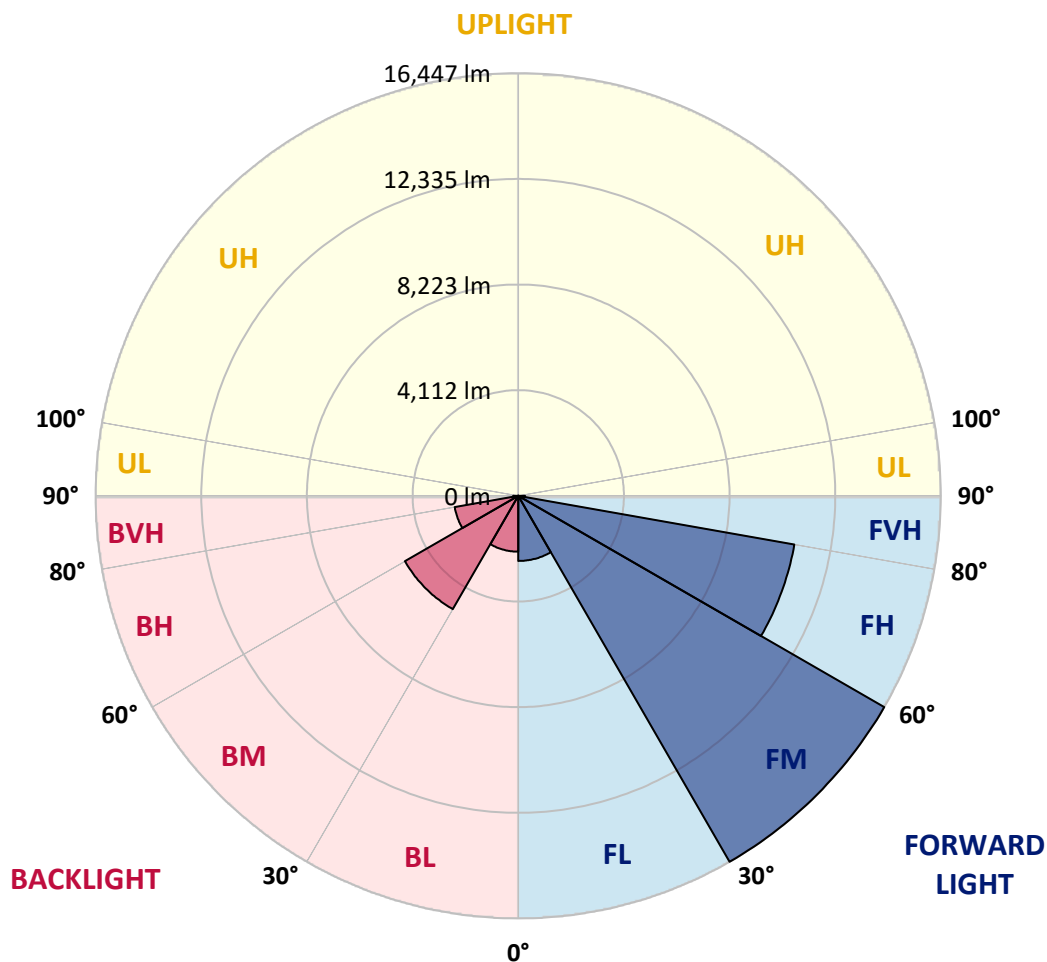


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2536.1	6.3			
FM (30°-60°)	16447.0	41.0			
FH (60°-80°)	10909.8	27.2			G4/12000
FVH (80°-90°)	262.6	0.7			G3/500
BL (0°-30°)	2173.9	5.4	B3/2500		
BM (30°-60°)	5093.6	12.7	B4/8500		
BH (60°-80°)	2511.3	6.3	B4/5000		G4/5000
BVH (80°-90°)	200.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5
2.5°	4405.1	4430.4	4424.1	4413.5	4411.4	4415.7	4422.0	4428.3	4426.2	4436.7
5°	4392.5	4417.8	4415.7	4415.7	4424.1	4441.0	4451.5	4462.0	4451.5	4464.2
7.5°	4400.9	4419.9	4428.3	4436.7	4457.8	4489.5	4514.8	4538.0	4525.3	4540.1
10°	4508.4	4523.2	4531.6	4531.6	4546.4	4582.2	4607.5	4649.7	4639.2	4662.4
12.5°	4704.5	4719.3	4719.3	4710.9	4721.4	4744.6	4753.0	4799.4	4780.5	4818.4
15°	4944.9	4974.5	4951.3	4936.5	4940.7	4963.9	4961.8	4997.7	4978.7	5010.3
17.5°	5210.6	5248.6	5210.6	5208.5	5200.1	5225.4	5227.5	5259.1	5225.4	5248.6
20°	5524.8	5577.6	5545.9	5556.5	5537.5	5548.0	5558.6	5605.0	5552.3	5569.1
22.5°	5967.7	6030.9	5997.2	6037.3	6024.6	6016.2	6014.1	6096.3	6014.1	6020.4
25°	6612.9	6688.9	6629.8	6684.6	6684.6	6712.0	6743.7	6849.1	6712.0	6672.0
27.5°	7566.1	7642.0	7526.0	7559.8	7549.2	7616.7	7582.9	7844.4	7696.8	7631.4
30°	8713.2	8848.2	8628.9	8620.4	8609.9	8717.4	8765.9	8938.9	8789.1	8723.8
32.5°	9953.1	10094.4	9832.9	9757.0	9717.0	9782.3	9742.3	9881.4	9778.1	9676.9
35°	11264.8	11403.9	11155.1	11007.5	10847.2	10710.2	10566.8	10602.6	10505.6	10351.7
37.5°	12504.7	12759.8	12496.3	12338.1	12042.9	11775.1	11374.4	11207.8	11117.2	10975.9
40°	13767.8	13913.3	13713.0	13578.0	13257.5	12837.9	12196.8	11844.7	11722.4	11585.3
42.5°	14697.8	14836.9	14729.4	14636.6	14385.7	13898.6	13069.8	12629.1	12452.0	12298.0
45°	15435.8	15539.1	15471.7	15505.4	15397.9	14925.5	13974.5	13470.5	13287.0	13099.4
47.5°	15733.1	15842.8	15950.3	16150.7	16334.1	15986.2	14946.6	14381.5	14187.4	13995.6
50°	15699.4	15811.2	16123.3	16549.2	17118.6	17002.6	15971.4	15351.5	15172.2	14952.9
52.5°	15429.5	15556.0	15956.7	16665.2	17571.9	17763.8	17015.2	16353.1	16184.4	15922.9
55°	14721.0	14796.9	15397.9	16401.6	17679.5	18295.2	18038.0	17420.1	17251.4	16886.6
57.5°	13407.2	13516.9	14392.0	15691.0	17409.6	18655.8	18936.3	18541.9	18379.6	17854.5
60°	11692.8	11867.9	12869.5	14497.4	16722.1	18653.7	19752.4	19644.8	19509.9	18807.6
62.5°	9752.8	9955.3	10918.9	12810.5	15520.2	18124.4	20262.7	20568.4	20498.8	19687.0
65°	7490.2	7629.3	8588.8	10627.9	13649.7	16987.8	20321.7	21198.9	21211.6	20355.4
67.5°	4987.1	5387.8	6220.7	7975.2	11144.6	15130.0	19803.0	21302.3	21424.6	20585.3
70°	2433.5	2960.6	3776.7	5183.2	7975.2	12281.2	18447.1	20454.6	20726.6	19914.7
72.5°	1010.1	1180.9	1625.8	2557.9	4578.0	8287.3	15722.6	18156.1	18660.0	17645.7
75°	681.1	738.1	929.9	1311.6	2085.5	4086.7	11338.6	13538.0	14349.8	13327.1
77.5°	525.1	560.9	676.9	917.3	1239.9	1545.7	6068.9	8158.6	8578.3	7941.4
80°	413.3	440.7	506.1	668.5	879.3	826.6	2068.7	3696.6	3939.1	3304.4
82.5°	358.5	369.0	362.7	453.4	584.1	482.9	679.0	1364.3	1505.6	1092.3
85°	259.4	288.9	301.5	280.5	310.0	244.6	278.4	482.9	531.4	474.5
87.5°	105.4	156.0	191.9	181.3	113.9	69.6	86.5	141.3	162.4	177.1
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°
4451.5	0°	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5	4451.5
4453.6	2.5°	4455.7	4470.5	4481.0	4493.7	4502.1	4514.8	4540.1	4554.8	4556.9	4567.5
4487.4	5°	4495.8	4516.9	4540.1	4573.8	4611.8	4643.4	4691.9	4725.6	4738.3	4748.8
4569.6	7.5°	4582.2	4611.8	4653.9	4713.0	4767.8	4810.0	4869.0	4909.1	4949.2	4963.9
4700.3	10°	4710.9	4753.0	4814.2	4894.3	4953.4	5008.2	5069.4	5103.1	5143.2	5160.0
4856.4	12.5°	4871.1	4915.4	4995.6	5107.3	5162.1	5200.1	5221.2	5212.7	5221.2	5235.9
5044.1	15°	5054.6	5103.1	5193.8	5314.0	5351.9	5318.2	5271.8	5229.6	5223.3	5227.5
5271.8	17.5°	5271.8	5307.6	5413.1	5514.3	5486.9	5347.7	5246.5	5179.0	5145.3	5134.7
5562.8	20°	5575.4	5575.4	5661.9	5725.2	5541.7	5305.5	5147.4	5037.7	4968.1	4938.6
5959.2	22.5°	5944.5	5910.7	5965.6	5921.3	5531.2	5187.4	4968.1	4778.4	4672.9	4630.7
6513.8	25°	6412.6	6372.5	6357.8	6083.6	5455.3	4999.8	4643.4	4413.5	4320.8	4297.6
7313.0	27.5°	7119.0	7017.8	6825.9	6172.2	5316.1	4704.5	4263.8	4050.8	3998.1	4000.2
8340.0	30°	8059.5	7857.1	7386.8	6187.0	5088.3	4287.0	3875.8	3724.0	3698.7	3709.2
9202.4	32.5°	8930.4	8738.5	7960.4	6119.5	4738.3	3877.9	3527.9	3426.7	3388.7	3401.4
9860.4	35°	9613.6	9560.9	8491.8	6024.6	4308.1	3494.1	3215.8	3129.3	3055.5	3038.7
10480.3	37.5°	10258.9	10237.8	8890.4	5891.8	3882.1	3222.1	2964.9	2851.0	2743.4	2684.4
11165.7	40°	10967.4	10946.4	9151.8	5687.2	3504.7	2985.9	2739.2	2589.5	2456.7	2349.1
11941.7	42.5°	11764.5	11640.1	9276.2	5394.1	3184.2	2785.6	2555.8	2353.3	2178.3	2079.2
12818.9	45°	12635.4	12355.0	9274.1	5020.9	2914.2	2602.2	2359.7	2072.9	1910.5	1817.7
13719.3	47.5°	13559.1	13038.2	9160.3	4607.5	2652.8	2399.7	2056.0	1836.7	1729.1	1672.2
14697.8	50°	14512.2	13677.1	8966.3	4133.1	2385.0	2169.9	1866.2	1716.5	1634.3	1581.5
15667.8	52.5°	15408.4	14257.0	8732.2	3595.4	2112.9	1946.3	1781.9	1665.9	1579.4	1520.4
16608.3	55°	16241.3	14756.8	8401.1	3045.0	1891.5	1796.6	1741.8	1644.8	1545.7	1476.1
17563.5	57.5°	16981.5	15081.5	7829.7	2528.4	1733.4	1693.3	1699.6	1609.0	1495.1	1436.0
18504.0	60°	17597.2	15319.8	6984.1	2049.7	1604.7	1592.1	1634.3	1541.5	1408.6	1341.1
19299.0	62.5°	17966.3	15315.6	5946.6	1678.5	1495.1	1499.3	1547.8	1457.1	1322.2	1258.9
19714.4	65°	17934.6	14940.3	4807.9	1436.0	1389.6	1393.9	1457.1	1364.3	1250.5	1212.5
19505.6	67.5°	17299.9	14025.1	3688.1	1277.9	1273.7	1292.6	1366.4	1301.1	1206.2	1202.0
18261.5	70°	15581.3	12125.1	2657.0	1151.4	1153.5	1180.9	1277.9	1261.0	1183.0	1191.4
15353.6	72.5°	12494.1	9244.6	1784.0	1018.5	1020.6	1064.9	1193.5	1229.4	1159.8	1271.6
10893.6	75°	8321.0	5765.2	1147.1	877.2	879.3	936.3	1119.7	1168.2	1096.5	1267.3
5668.2	77.5°	3998.1	2591.6	830.8	738.1	738.1	790.8	967.9	1045.9	934.2	984.8
1821.9	80°	1381.2	974.2	653.7	594.7	582.0	617.9	816.1	906.7	805.5	742.3
594.7	82.5°	544.0	506.1	525.1	461.8	419.6	442.8	634.7	748.6	592.5	535.6
335.3	85°	312.1	329.0	371.1	305.8	242.5	272.0	466.0	537.7	447.0	394.3
109.7	87.5°	84.3	116.0	170.8	158.2	109.7	116.0	221.4	297.3	257.3	198.2
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°
4451.5
4565.4
4746.7
4966.0
5168.5
5240.2
5242.3
5149.5
4932.3
4624.4
4301.8
4006.6
3745.1
3418.2
3051.3
2686.5
2359.7
2085.5
1813.5
1659.6
1562.6
1495.1
1448.7
1398.1
1311.6
1239.9
1210.4
1208.3
1189.3
1288.4
1277.9
902.5
695.9
533.5
402.8
204.5
0.0

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