

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: P851496

Luminaire Tested: **GLAN-SB9C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65289 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

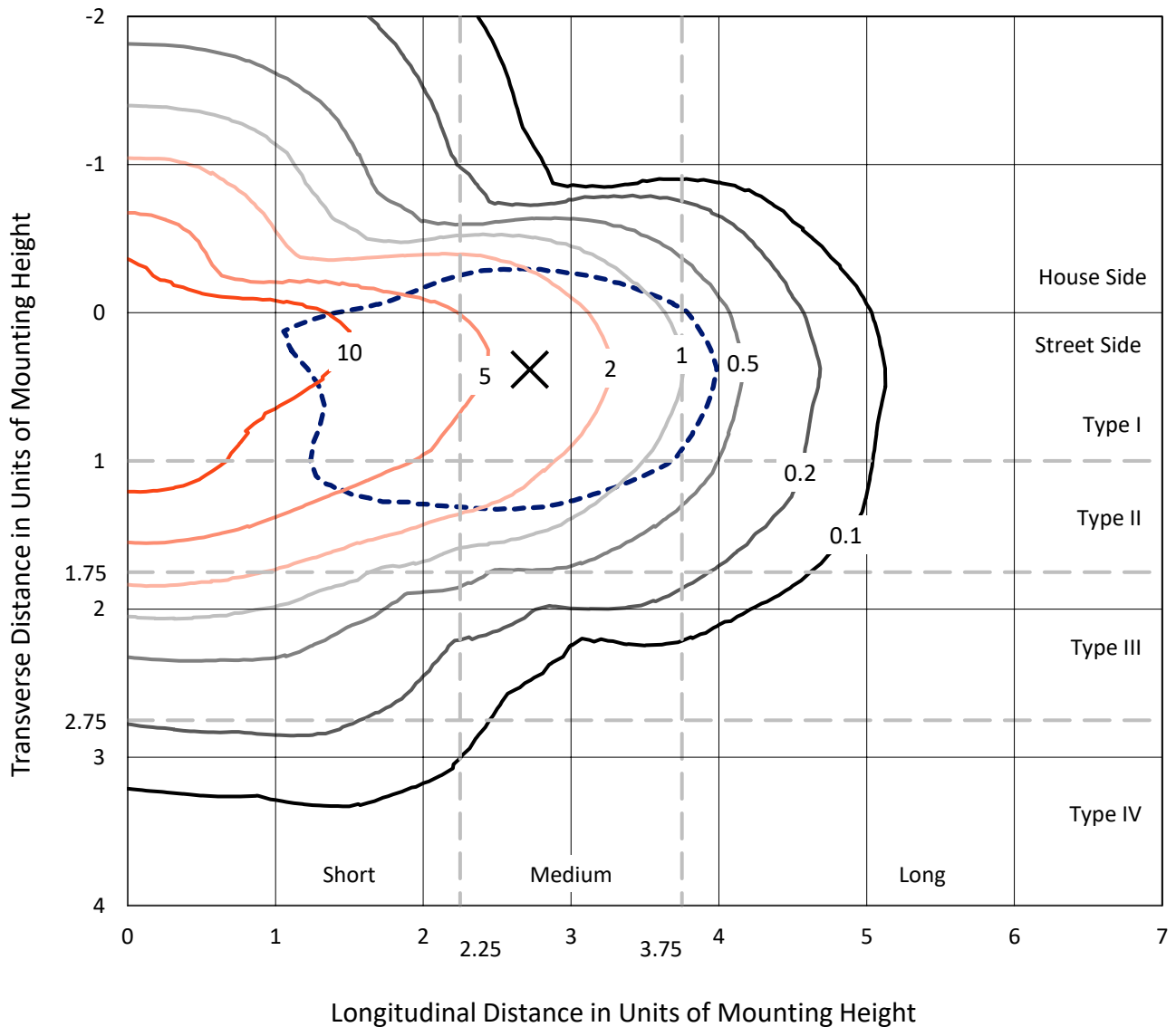
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

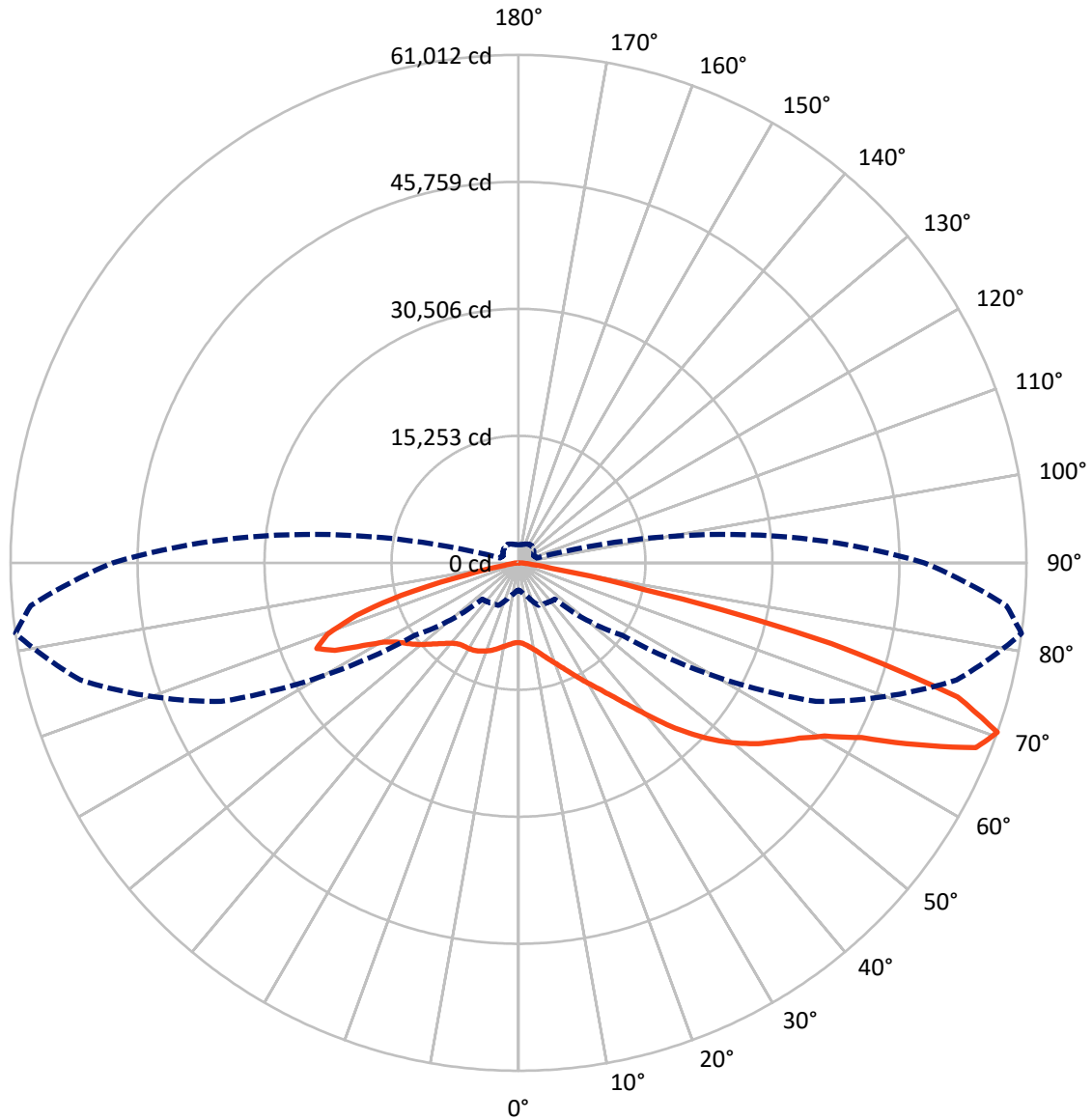
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16095.3	0.0	16095.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	49193.7	0.0	49193.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	65289.0	0.0	65289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.8	1.4
10°-20°	2596.6	4.0
20°-30°	4343.9	6.7
30°-40°	6786.3	10.4
40°-50°	10807.9	16.6
50°-60°	15040.6	23.0
60°-70°	15733.1	24.1
70°-80°	8223.0	12.6
80°-90°	853.9	1.3
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°	65289.0	100.0
0°-180°	65289.0	100.0

Coefficient of Utilization

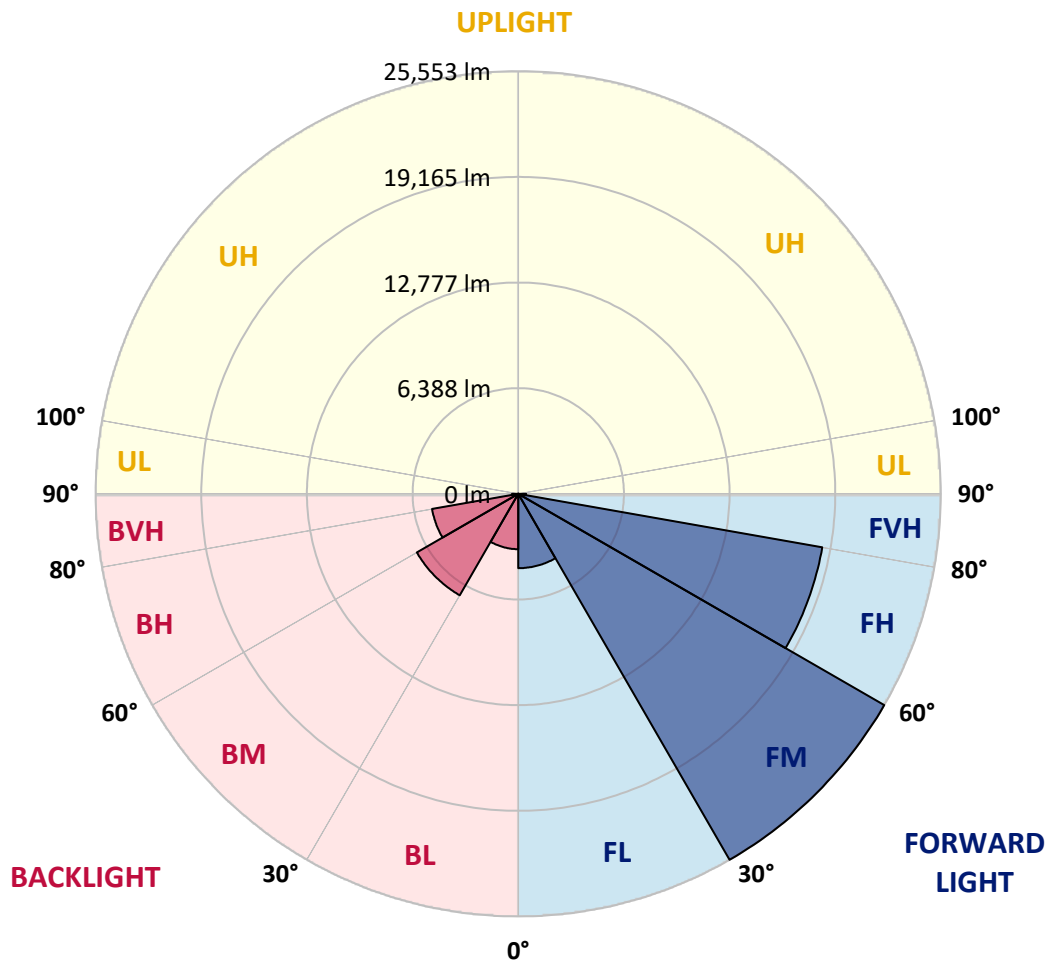


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4495.9	6.9			
FM (30°-60°)	25553.5	39.1			
FH (60°-80°)	18666.3	28.6			G5
FVH (80°-90°)	478.0	0.7			G3/500
BL (0°-30°)	3348.4	5.1	B4/5000		
BM (30°-60°)	7081.3	10.8	B4/8500		
BH (60°-80°)	5289.7	8.1	B5		G5
BVH (80°-90°)	375.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2
2.5°	9800.8	9856.3	9838.9	9821.6	9821.6	9797.4	9793.9	9759.3	9731.5	9686.5
5°	9925.6	9984.4	9977.5	9991.4	10036.4	10046.8	10057.2	10036.4	9981.0	9925.6
7.5°	9814.7	9880.5	9901.3	9984.4	10123.0	10247.7	10341.3	10379.4	10327.4	10247.7
10°	9440.5	9513.3	9586.0	9783.5	10029.5	10324.0	10573.4	10722.4	10712.0	10635.8
12.5°	8681.8	8758.0	8913.9	9298.5	9748.9	10268.5	10732.8	11044.6	11152.0	11096.5
15°	8075.6	8141.4	8259.2	8654.1	9239.6	10029.5	10791.7	11397.9	11671.6	11640.4
17.5°	8058.2	8085.9	8158.7	8345.8	8796.2	9655.3	10729.3	11744.4	12267.5	12264.0
20°	8363.1	8373.5	8415.1	8453.2	8709.5	9371.2	10569.9	12031.9	12936.1	12936.1
22.5°	8785.8	8778.8	8820.4	8785.8	8910.5	9347.0	10469.5	12284.8	13681.0	13736.4
25°	9419.7	9385.1	9374.7	9295.0	9319.3	9572.2	10580.3	12572.4	14564.4	14678.7
27.5°	10265.1	10209.6	10171.5	9987.9	9925.6	10036.4	10919.8	12918.8	15548.3	15745.8
30°	11366.8	11266.3	11210.9	10892.1	10666.9	10684.3	11432.6	13379.6	16577.2	16896.0
32.5°	12870.3	12714.4	12565.4	12042.3	11630.0	11494.9	12094.3	14017.0	17692.8	18202.0
35°	14554.0	14429.3	14269.9	13462.7	12828.7	12516.9	12988.1	14907.4	18998.9	19806.1
37.5°	16175.4	16068.0	16144.2	15056.4	14238.8	13784.9	14159.1	16102.6	20609.8	21801.6
40°	17852.1	17769.0	17779.4	16740.1	15787.3	15278.1	15579.5	17602.7	22456.4	24174.7
42.5°	19674.4	19612.1	19404.2	18482.7	17412.2	16937.5	17214.7	19334.9	24438.0	26876.9
45°	21715.0	21676.9	21482.8	20426.2	19199.8	18666.3	19040.4	21247.3	26430.0	29419.8
47.5°	23478.4	23509.5	23485.3	22594.9	21323.5	20540.5	20987.4	23242.8	28283.5	31810.3
50°	24327.1	24490.0	24729.0	24451.9	23662.0	22865.2	22951.8	25169.0	30050.4	34051.8
52.5°	23883.7	24192.0	24843.3	25286.8	25591.6	25425.4	25193.2	27081.3	31713.3	36075.0
55°	22231.2	22664.2	23745.1	24815.6	26371.1	27580.2	27885.1	29201.6	33334.6	37855.7
57.5°	19220.6	19923.9	20893.9	23059.2	25678.3	28623.0	31023.9	32142.9	35053.0	39757.6
60°	14058.6	15000.9	16206.5	19428.4	23253.2	28065.2	33694.9	36660.5	37495.4	42220.8
62.5°	8997.1	9579.1	10687.7	13722.6	18118.9	25207.1	34512.5	42307.5	41635.4	46260.4
65°	6159.7	6533.9	7549.0	9253.5	11713.2	18763.3	32323.0	46541.0	48210.8	52662.6
67.5°	4476.0	4760.1	5626.2	7119.4	7632.1	11103.5	25082.4	46347.0	54602.7	59258.9
70°	3263.5	3464.4	4191.9	5626.2	5872.2	6177.1	15194.9	39397.3	54464.1	61011.8
72.5°	2418.2	2556.7	3045.2	4365.2	4753.2	4171.2	7521.2	28633.4	46800.8	55184.7
75°	1749.5	1853.5	2213.8	3339.7	3803.9	3176.9	3752.0	16733.1	32645.2	38818.8
77.5°	1337.3	1416.9	1652.5	2445.9	3045.2	2383.5	2328.1	7697.9	15479.0	15555.2
80°	1074.0	1125.9	1254.1	1721.8	2335.0	1784.2	1517.4	3107.6	4891.8	4140.0
82.5°	789.9	876.5	1060.1	1209.1	1669.8	1229.9	925.0	1569.4	1860.4	1600.6
85°	450.4	509.3	640.9	866.1	1067.0	751.8	530.1	696.3	866.1	710.2
87.5°	159.4	207.9	225.2	339.5	464.2	311.8	204.4	200.9	284.1	211.3
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°
9572.2	0°	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2	9572.2
9676.1	2.5°	9641.5	9624.2	9554.9	9461.3	9364.3	9270.8	9239.6	9173.8	9128.7	9104.5
9901.3	5°	9835.5	9780.0	9617.2	9409.4	9191.1	8955.5	8789.2	8636.8	8525.9	8422.0
10209.6	7.5°	10112.6	10015.6	9735.0	9371.2	8983.2	8591.8	8300.7	8079.0	7930.1	7833.0
10569.9	10°	10434.8	10285.9	9856.3	9312.4	8713.0	8151.8	7808.8	7618.3	7524.7	7472.7
10982.2	12.5°	10805.5	10594.2	9981.0	9177.2	8300.7	7659.8	7424.2	7368.8	7372.3	7375.7
11501.9	15°	11262.8	10968.3	10081.5	8882.8	7763.8	7282.2	7240.6	7330.7	7424.2	7469.3
12090.8	17.5°	11779.0	11363.3	10098.8	8397.7	7237.2	7039.7	7171.3	7365.4	7507.4	7569.8
12749.1	20°	12333.3	11765.2	9974.1	7711.8	6804.1	6842.2	7077.8	7327.2	7483.1	7562.8
13500.8	22.5°	12967.3	12194.7	9676.1	6991.2	6450.7	6627.4	6904.6	7147.1	7309.9	7389.6
14384.3	25°	13691.4	12676.3	9208.4	6384.9	6145.9	6384.9	6662.1	6863.0	6994.7	7067.4
15371.6	27.5°	14495.1	13178.6	8584.8	5903.4	5879.1	6135.5	6364.1	6520.0	6589.3	6644.8
16421.3	30°	15302.3	13635.9	7829.6	5539.6	5647.0	5889.5	6052.3	6121.6	6142.4	6152.8
17592.3	32.5°	16175.4	14030.9	7036.2	5238.2	5425.3	5650.5	5747.5	5778.6	5681.6	5615.8
19012.7	35°	17232.0	14453.5	6260.2	4999.2	5207.0	5401.0	5432.2	5404.5	5290.2	5155.1
20793.4	37.5°	18538.1	14980.1	5640.1	4829.4	5002.6	5130.8	5092.7	5085.8	5096.2	4936.8
22934.4	40°	20138.7	15666.1	5186.2	4697.7	4836.3	4864.0	4756.6	4815.5	4867.5	4625.0
25283.3	42.5°	21915.9	16494.1	4898.7	4607.7	4697.7	4631.9	4465.6	4531.5	4524.5	4205.8
27642.6	45°	23727.8	17394.8	4798.2	4541.9	4569.6	4437.9	4254.3	4271.6	4126.1	3838.6
29904.8	47.5°	25529.3	18361.4	4860.6	4486.4	4410.2	4261.2	4119.2	4043.0	3828.2	3613.4
32073.6	50°	27296.1	19376.5	5089.2	4375.6	4191.9	4105.3	4001.4	3866.3	3637.6	3454.0
34124.5	52.5°	28934.8	20398.5	5345.6	4191.9	3918.3	3970.2	3904.4	3748.5	3523.3	3336.2
36064.6	55°	30486.9	21420.5	5446.1	3939.0	3661.9	3852.4	3814.3	3526.8	3256.6	3104.1
38094.7	57.5°	32177.5	22650.4	5335.2	3616.9	3454.0	3717.3	3571.8	3253.1	3097.2	2982.9
40738.1	60°	34519.4	24580.0	5096.2	3218.4	3256.6	3516.4	3266.9	3135.3	2965.5	2837.4
44701.4	62.5°	38410.0	28179.6	4711.6	2823.5	3024.4	3218.4	3121.4	2989.8	2816.6	2691.9
51477.8	65°	44160.9	33182.2	3987.5	2515.2	2764.6	2927.4	2965.5	2833.9	2653.7	2522.1
57415.8	67.5°	49011.1	36320.9	3017.5	2258.8	2497.8	2691.9	2799.2	2671.1	2480.5	2352.3
58805.0	70°	48744.3	34041.4	2303.8	2005.9	2262.3	2459.7	2598.3	2497.8	2293.4	2172.2
53414.4	72.5°	43294.8	28477.5	1863.9	1749.5	2023.2	2217.2	2383.5	2307.3	2099.4	1981.6
39130.6	75°	31806.8	20214.9	1489.7	1489.7	1725.3	1964.3	2147.9	2099.4	1908.9	1825.7
16428.3	77.5°	13407.3	8480.9	1167.5	1236.8	1434.3	1687.2	1915.8	1933.1	1766.9	1870.8
4344.4	80°	3564.9	2338.5	890.4	973.5	1125.9	1392.7	1666.4	1659.5	1479.3	1382.3
1614.4	82.5°	1358.1	921.5	634.0	686.0	814.1	1067.0	1319.9	1361.5	1181.4	1022.0
634.0	85°	523.1	394.9	391.5	412.3	474.6	706.7	997.8	1032.4	890.4	755.2
176.7	87.5°	135.1	117.8	145.5	138.6	218.3	377.6	571.6	592.4	543.9	315.3
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°
9572.2
9132.2
8463.6
7853.8
7486.6
7382.7
7465.8
7583.6
7583.6
7410.4
7088.2
6665.5
6177.1
5636.6
5162.0
4947.2
4631.9
4202.3
3849.0
3613.4
3440.2
3339.7
3090.3
2972.5
2830.4
2691.9
2529.0
2355.8
2182.6
1981.6
1801.5
1697.6
1285.3
1022.0
779.5
450.4
0.0

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