

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: P850728

Luminaire Tested: **GLAN-SB8B-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850728
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-SB8B-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40521 lumens
Efficiency: N/A
Efficacy: 138.4 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

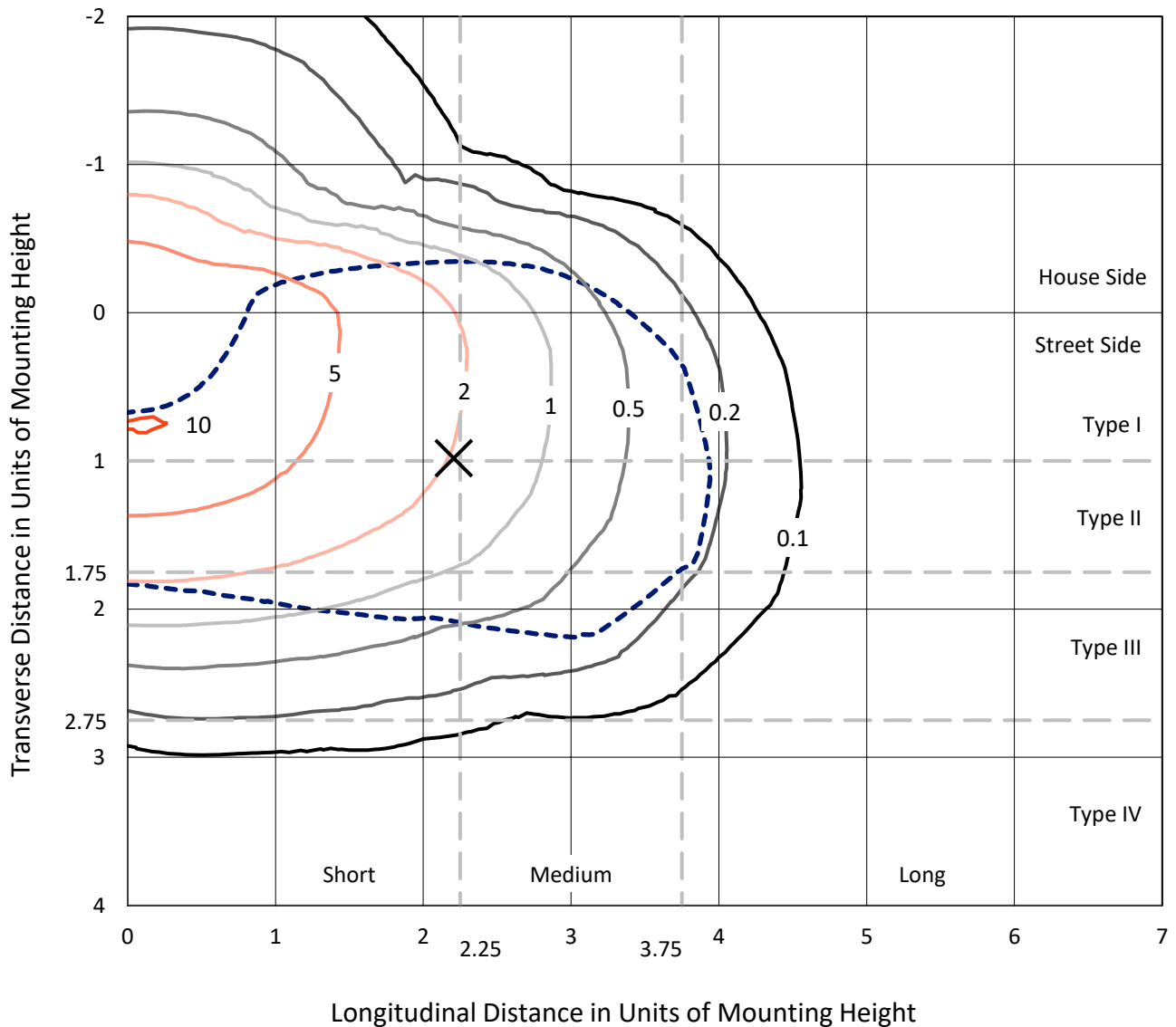
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

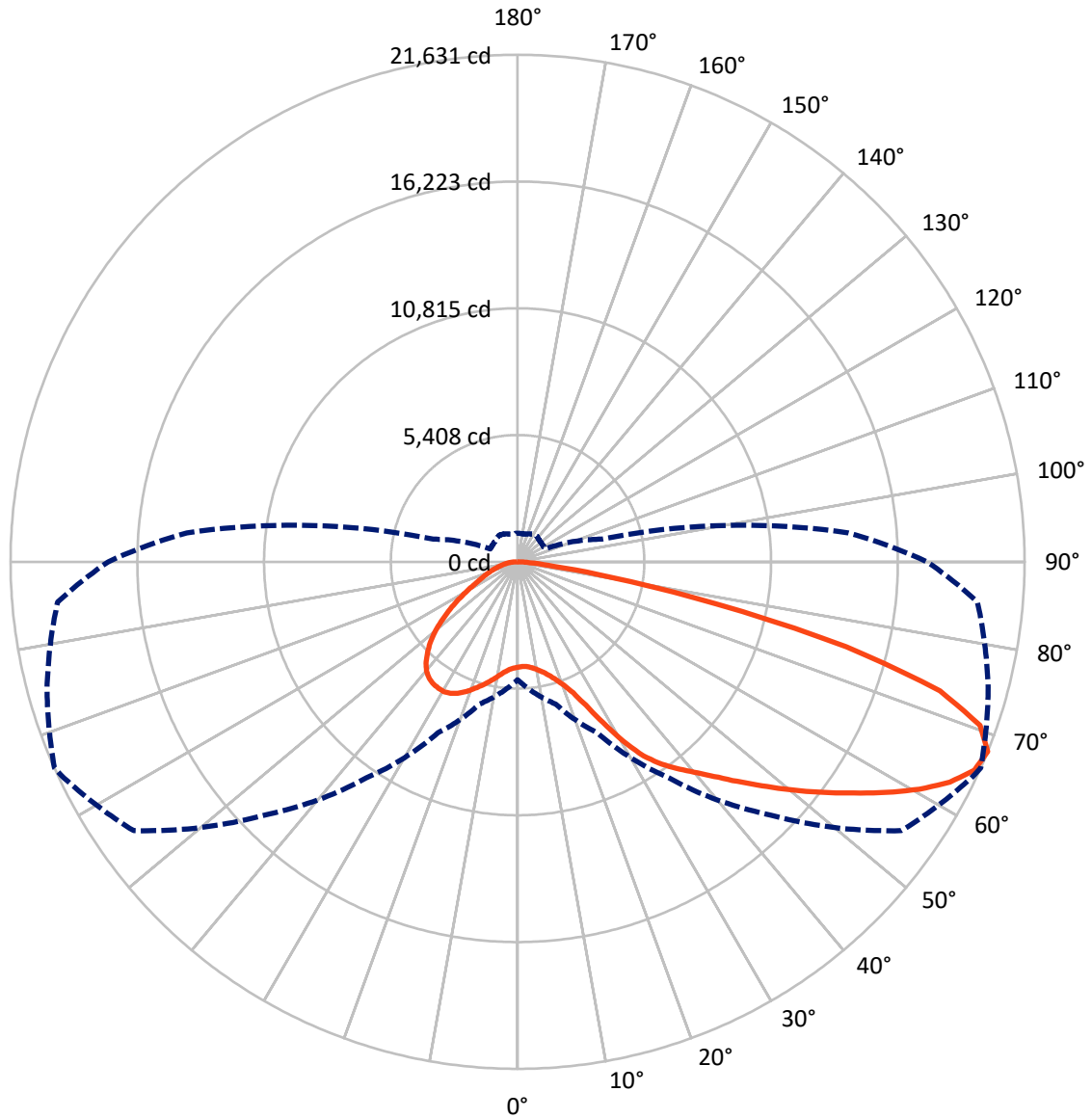
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	10075.4	0.0	10075.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	30445.6	0.0	30445.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	40521.0	0.0	40521.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.6	1.1
10°-20°	1472.2	3.6
20°-30°	2837.6	7.0
30°-40°	4975.3	12.3
40°-50°	7396.6	18.3
50°-60°	9375.9	23.1
60°-70°	9174.1	22.6
70°-80°	4376.1	10.8
80°-90°	467.7	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°	40521.0	100.0
0°-180°	40521.0	100.0

Coefficient of Utilization



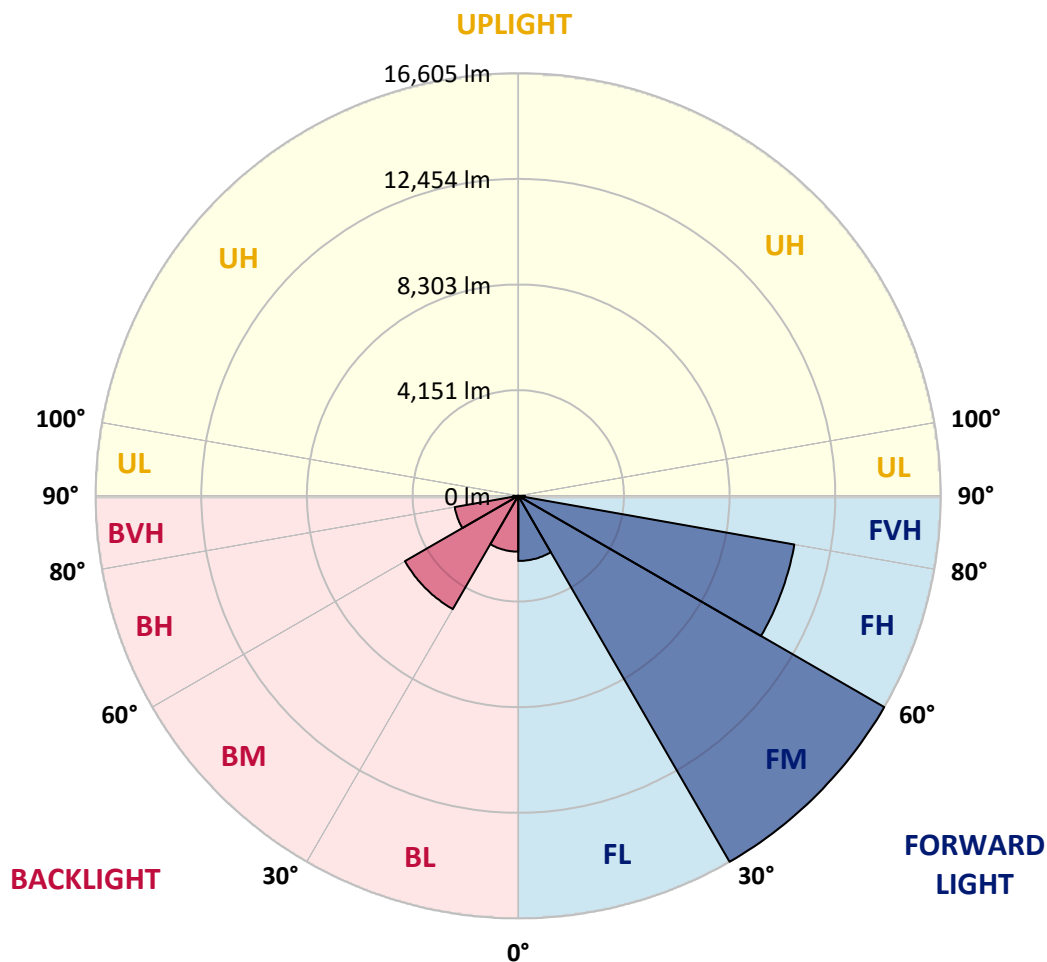
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2560.5	6.3			
FM (30°-60°)	16605.2	41.0			
FH (60°-80°)	11014.7	27.2			G4/12000
FVH (80°-90°)	265.2	0.7			G3/500
BL (0°-30°)	2194.8	5.4	B3/2500		
BM (30°-60°)	5142.6	12.7	B4/8500		
BH (60°-80°)	2535.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	202.5	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°	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3
2.5°	4447.5	4473.0	4466.6	4456.0	4453.9	4458.1	4464.5	4470.9	4468.8	4479.4
5°	4434.7	4460.3	4458.1	4458.1	4466.6	4483.7	4494.3	4505.0	4494.3	4507.1
7.5°	4443.2	4462.4	4470.9	4479.4	4500.7	4532.6	4558.2	4581.6	4568.8	4583.7
10°	4551.8	4566.7	4575.2	4575.2	4590.1	4626.3	4651.9	4694.4	4683.8	4707.2
12.5°	4749.8	4764.7	4764.7	4756.2	4766.8	4790.2	4798.8	4845.6	4826.4	4864.8
15°	4992.5	5022.3	4998.9	4984.0	4988.2	5011.7	5009.5	5045.7	5026.6	5058.5
17.5°	5260.8	5299.1	5260.8	5258.6	5250.1	5275.7	5277.8	5309.7	5275.7	5299.1
20°	5578.0	5631.2	5599.3	5609.9	5590.7	5601.4	5612.0	5658.9	5605.7	5622.7
22.5°	6025.1	6088.9	6054.9	6095.3	6082.5	6074.0	6071.9	6154.9	6071.9	6078.3
25°	6676.5	6753.2	6693.6	6748.9	6748.9	6776.6	6808.5	6915.0	6776.6	6736.1
27.5°	7638.8	7715.5	7598.4	7632.5	7621.8	7689.9	7655.9	7919.9	7770.8	7704.8
30°	8797.0	8933.3	8711.9	8703.3	8692.7	8801.3	8850.2	9024.8	8873.7	8807.7
32.5°	10048.9	10191.5	9927.5	9850.9	9810.4	9876.4	9836.0	9976.5	9872.2	9770.0
35°	11373.1	11513.6	11262.4	11113.4	10951.6	10813.2	10668.4	10704.6	10606.7	10451.3
37.5°	12625.0	12882.6	12616.4	12456.8	12158.7	11888.3	11483.8	11315.6	11224.1	11081.4
40°	13900.2	14047.1	13844.9	13708.6	13385.0	12961.3	12314.1	11958.6	11835.1	11696.7
42.5°	14839.1	14979.6	14871.0	14777.4	14524.0	14032.2	13195.5	12750.6	12571.7	12416.3
45°	15584.3	15688.6	15620.5	15654.5	15545.9	15069.0	14108.9	13600.0	13414.8	13225.3
47.5°	15884.5	15995.2	16103.7	16306.0	16491.2	16139.9	15090.3	14519.8	14323.9	14130.2
50°	15850.4	15963.2	16278.3	16708.4	17283.2	17166.1	16125.0	15499.1	15318.1	15096.7
52.5°	15577.9	15705.6	16110.1	16825.5	17740.9	17934.7	17178.9	16510.4	16340.1	16076.1
55°	14862.5	14939.2	15545.9	16559.3	17849.5	18471.2	18211.4	17587.7	17417.3	17049.0
57.5°	13536.2	13646.9	14530.4	15841.9	17577.0	18835.2	19118.4	18720.3	18556.3	18026.2
60°	11805.3	11982.0	12993.3	14636.9	16883.0	18833.1	19942.3	19833.7	19697.5	18988.5
62.5°	9846.6	10051.0	11024.0	12933.7	15669.4	18298.7	20457.5	20766.2	20696.0	19876.3
65°	7562.2	7702.7	8671.4	10730.1	13781.0	17151.2	20517.2	21402.8	21415.6	20551.2
67.5°	5035.1	5439.6	6280.5	8051.9	11251.8	15275.6	19993.4	21507.1	21630.6	20783.3
70°	2456.9	2989.1	3813.0	5233.1	8051.9	12399.3	18624.5	20651.3	20925.9	20106.3
72.5°	1019.8	1192.2	1641.5	2582.5	4622.1	8367.0	15873.8	18330.7	18839.5	17815.5
75°	687.7	745.1	938.9	1324.2	2105.6	4126.0	11447.6	13668.2	14487.8	13455.3
77.5°	530.1	566.3	683.4	926.1	1251.9	1560.6	6127.3	8237.1	8660.8	8017.8
80°	417.3	445.0	511.0	674.9	887.8	834.6	2088.5	3732.1	3977.0	3336.1
82.5°	361.9	372.6	366.2	457.7	589.7	487.5	685.5	1377.5	1520.1	1102.8
85°	261.9	291.7	304.4	283.2	313.0	247.0	281.0	487.5	536.5	479.0
87.5°	106.4	157.5	193.7	183.1	115.0	70.3	87.3	142.6	163.9	178.8
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°
4494.3	0°	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3	4494.3
4496.4	2.5°	4498.6	4513.5	4524.1	4536.9	4545.4	4558.2	4583.7	4598.6	4600.8	4611.4
4530.5	5°	4539.0	4560.3	4583.7	4617.8	4656.1	4688.1	4737.0	4771.1	4783.9	4794.5
4613.5	7.5°	4626.3	4656.1	4698.7	4758.3	4813.7	4856.2	4915.9	4956.3	4996.8	5011.7
4745.5	10°	4756.2	4798.8	4860.5	4941.4	5001.0	5056.4	5118.1	5152.2	5192.6	5209.7
4903.1	12.5°	4918.0	4962.7	5043.6	5156.4	5211.8	5250.1	5271.4	5262.9	5271.4	5286.3
5092.6	15°	5103.2	5152.2	5243.7	5365.1	5403.4	5369.3	5322.5	5279.9	5273.5	5277.8
5322.5	17.5°	5322.5	5358.7	5465.1	5567.3	5539.7	5399.1	5296.9	5228.8	5194.8	5184.1
5616.3	20°	5629.1	5629.1	5716.4	5780.2	5595.0	5356.6	5196.9	5086.2	5015.9	4986.1
6016.5	22.5°	6001.6	5967.6	6022.9	5978.2	5584.4	5237.3	5015.9	4824.3	4717.9	4675.3
6576.5	25°	6474.3	6433.8	6418.9	6142.2	5507.7	5047.9	4688.1	4456.0	4362.3	4338.9
7383.4	27.5°	7187.5	7085.3	6891.6	6231.6	5367.2	4749.8	4304.8	4089.8	4036.6	4038.7
8420.2	30°	8137.0	7932.6	7457.9	6246.5	5137.3	4328.3	3913.1	3759.8	3734.3	3744.9
9290.9	32.5°	9016.3	8822.6	8037.0	6178.4	4783.9	3915.2	3561.8	3459.6	3421.3	3434.1
9955.2	35°	9706.1	9652.9	8573.5	6082.5	4349.5	3527.7	3246.7	3159.4	3084.9	3067.9
10581.1	37.5°	10357.6	10336.3	8975.9	5948.4	3919.5	3253.1	2993.4	2878.4	2769.8	2710.2
11273.0	40°	11072.9	11051.6	9239.9	5741.9	3538.4	3014.7	2765.6	2614.4	2480.3	2371.7
12056.5	42.5°	11877.7	11752.1	9365.5	5446.0	3214.8	2812.4	2580.3	2376.0	2199.3	2099.2
12942.2	45°	12757.0	12473.8	9363.3	5069.1	2942.3	2627.2	2382.3	2092.8	1928.9	1835.2
13851.3	47.5°	13689.5	13163.6	9248.4	4651.9	2678.3	2422.8	2075.8	1854.4	1745.8	1688.3
14839.1	50°	14651.8	13808.7	9052.5	4172.8	2407.9	2190.7	1884.2	1733.0	1650.0	1596.7
15818.5	52.5°	15556.6	14394.2	8816.2	3629.9	2133.3	1965.1	1799.0	1681.9	1594.6	1535.0
16768.0	55°	16397.5	14898.7	8481.9	3074.3	1909.7	1813.9	1758.6	1660.6	1560.6	1490.3
17732.4	57.5°	17144.8	15226.6	7905.0	2552.7	1750.0	1709.6	1716.0	1624.4	1509.5	1449.8
18682.0	60°	17766.5	15467.2	7051.2	2069.4	1620.2	1607.4	1650.0	1556.3	1422.2	1354.0
19484.6	62.5°	18139.1	15462.9	6003.8	1694.7	1509.5	1513.7	1562.7	1471.1	1334.9	1271.0
19904.0	65°	18107.1	15083.9	4854.1	1449.8	1403.0	1407.3	1471.1	1377.5	1262.5	1224.2
19693.2	67.5°	17466.3	14160.0	3723.6	1290.2	1285.9	1305.1	1379.6	1313.6	1217.8	1213.5
18437.1	70°	15731.2	12241.7	2682.5	1162.4	1164.6	1192.2	1290.2	1273.1	1194.4	1202.9
15501.2	72.5°	12614.3	9333.5	1801.1	1028.3	1030.4	1075.1	1205.0	1241.2	1170.9	1283.8
10998.4	75°	8401.0	5820.7	1158.2	885.7	887.8	945.3	1130.5	1179.5	1107.1	1279.5
5722.7	77.5°	4036.6	2616.5	838.8	745.1	745.1	798.4	977.2	1056.0	943.1	994.2
1839.5	80°	1394.5	983.6	660.0	600.4	587.6	623.8	823.9	915.5	813.3	749.4
600.4	82.5°	549.3	511.0	530.1	466.3	423.7	447.1	640.8	755.8	598.2	540.8
338.5	85°	315.1	332.1	374.7	308.7	244.8	274.6	470.5	542.9	451.3	398.1
110.7	87.5°	85.2	117.1	172.4	159.7	110.7	117.1	223.5	300.2	259.7	200.1
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°
4494.3
4609.3
4792.4
5013.8
5218.2
5290.6
5292.7
5199.0
4979.7
4668.9
4343.2
4045.1
3781.1
3451.1
3080.7
2712.3
2382.3
2105.6
1830.9
1675.5
1577.6
1509.5
1462.6
1411.5
1324.2
1251.9
1222.0
1219.9
1200.8
1300.8
1290.2
911.2
702.6
538.6
406.6
206.5
0.0

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