

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: P850918

Luminaire Tested: **GLAN-SB8C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850918
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-SB8C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39025 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

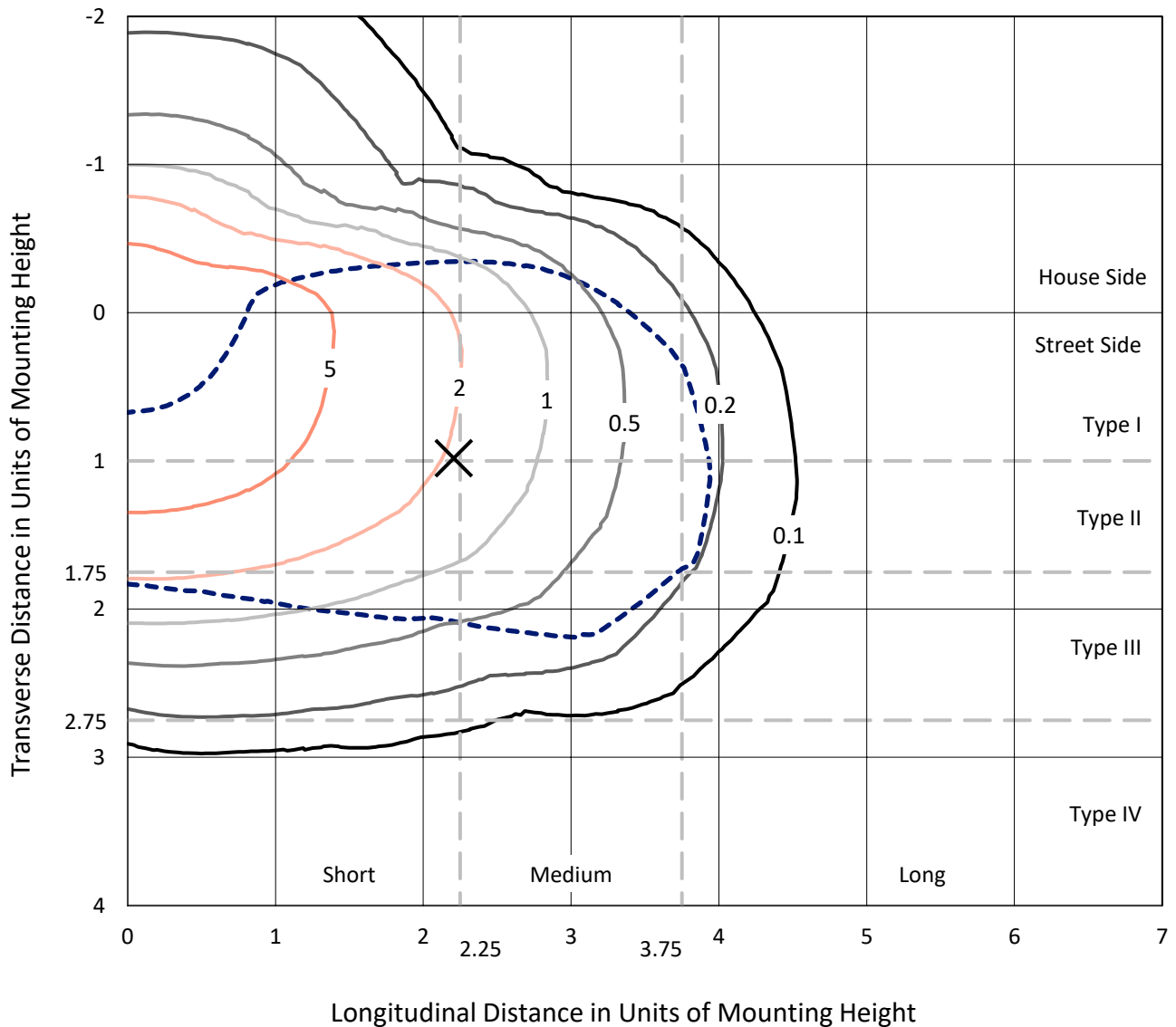
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

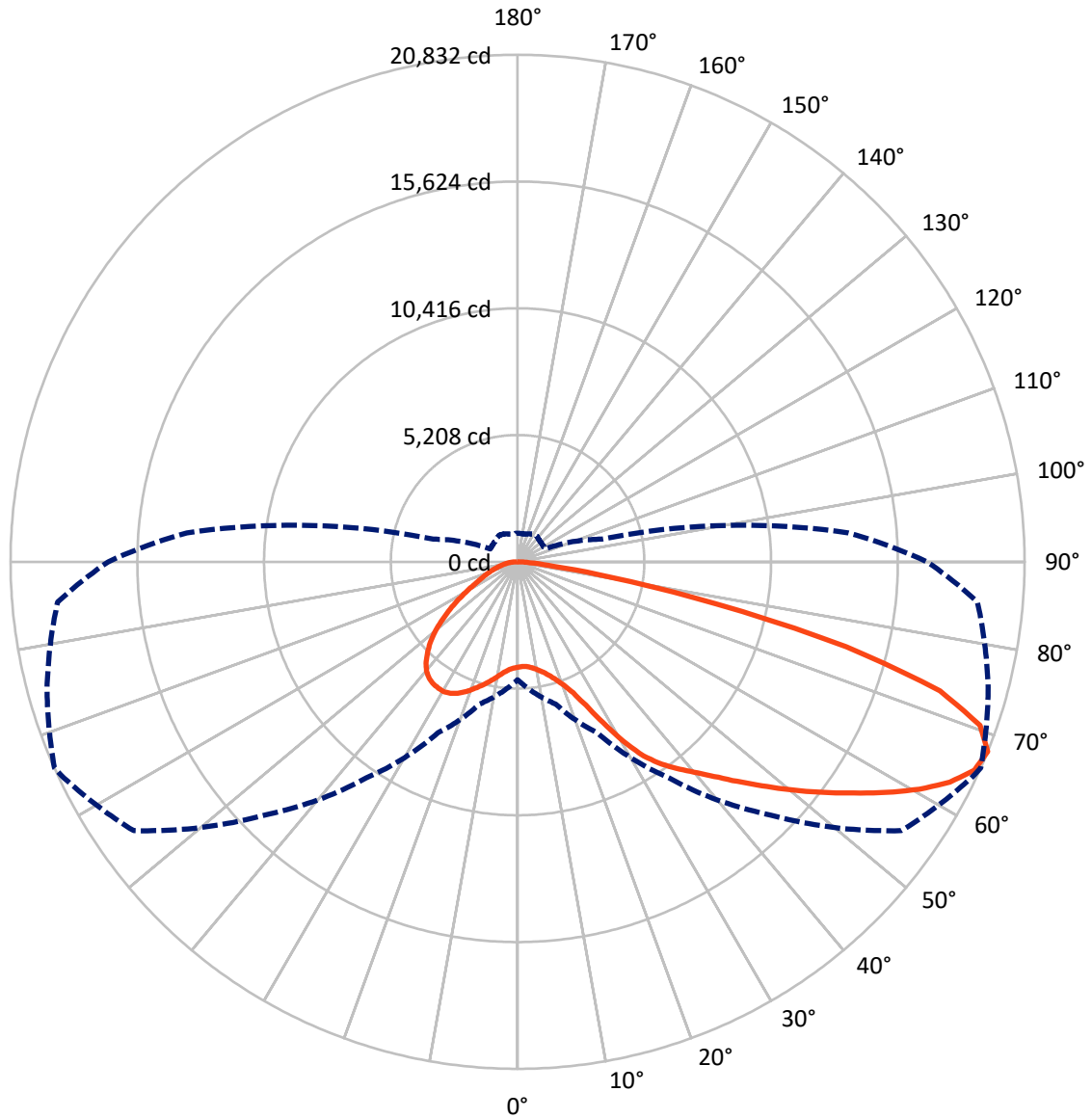
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	9703.4	0.0	9703.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29321.5	0.0	29321.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	39025.0	0.0	39025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.1	1.1
10°-20°	1417.8	3.6
20°-30°	2732.8	7.0
30°-40°	4791.6	12.3
40°-50°	7123.5	18.3
50°-60°	9029.8	23.1
60°-70°	8835.4	22.6
70°-80°	4214.6	10.8
80°-90°	450.4	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°	39025.0	100.0
0°-180°	39025.0	100.0

Coefficient of Utilization

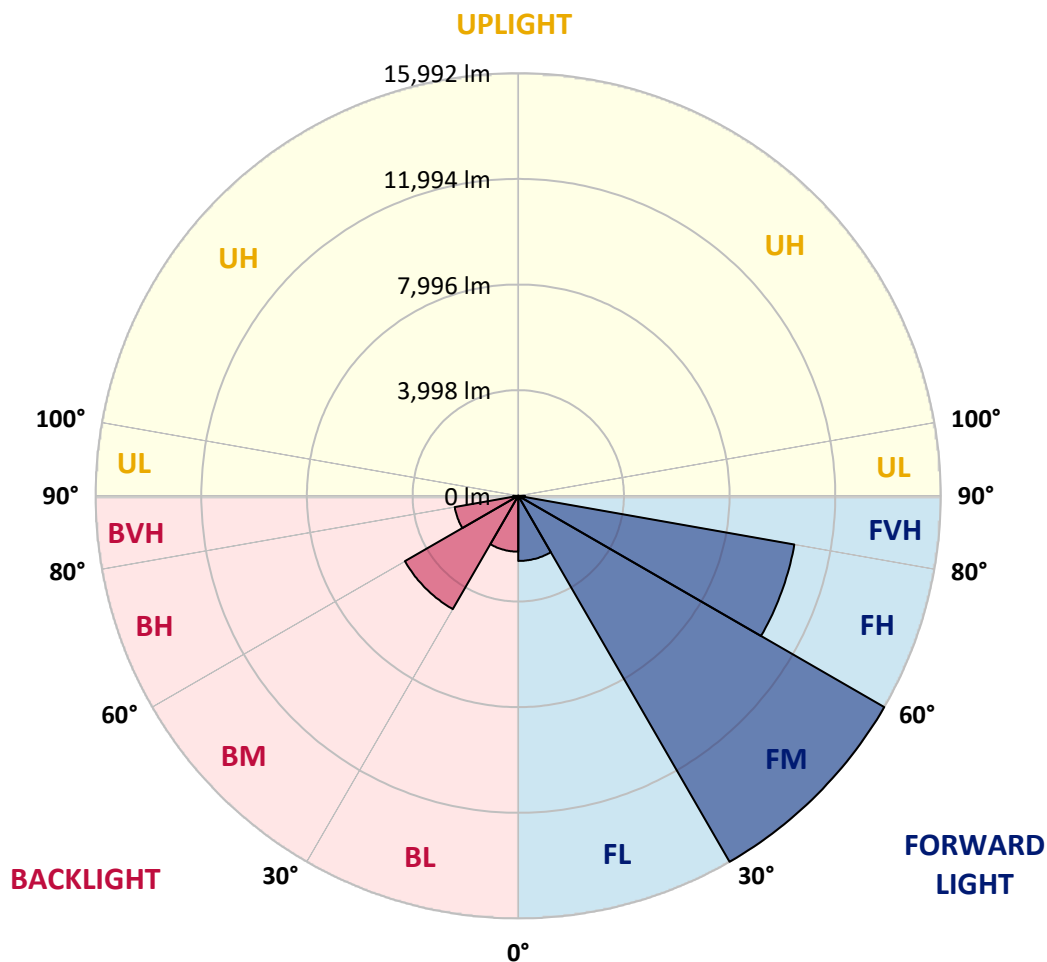


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2466.0	6.3			
FM (30°-60°)	15992.1	41.0			
FH (60°-80°)	10608.1	27.2			G4/12000
FVH (80°-90°)	255.4	0.7			G3/500
BL (0°-30°)	2113.8	5.4	B3/2500		
BM (30°-60°)	4952.7	12.7	B3/5000		
BH (60°-80°)	2441.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	195.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4
2.5°	4283.3	4307.9	4301.7	4291.5	4289.4	4293.5	4299.7	4305.8	4303.8	4314.0
5°	4271.0	4295.6	4293.5	4293.5	4301.7	4318.1	4328.4	4338.6	4328.4	4340.7
7.5°	4279.2	4297.6	4305.8	4314.0	4334.5	4365.3	4389.9	4412.5	4400.2	4414.5
10°	4383.7	4398.1	4406.3	4406.3	4420.7	4455.5	4480.1	4521.1	4510.9	4533.4
12.5°	4574.4	4588.8	4588.8	4580.6	4590.8	4613.4	4621.6	4666.7	4648.3	4685.2
15°	4808.2	4836.9	4814.3	4800.0	4804.1	4826.6	4824.6	4859.4	4841.0	4871.7
17.5°	5066.5	5103.4	5066.5	5064.5	5056.3	5080.9	5082.9	5113.7	5080.9	5103.4
20°	5372.0	5423.3	5392.5	5402.8	5384.3	5394.6	5404.8	5450.0	5398.7	5415.1
22.5°	5802.6	5864.1	5831.3	5870.3	5858.0	5849.8	5847.7	5927.7	5847.7	5853.9
25°	6430.0	6503.9	6446.4	6499.8	6499.8	6526.4	6557.2	6659.7	6526.4	6487.5
27.5°	7356.8	7430.6	7317.9	7350.7	7340.4	7406.0	7373.2	7627.5	7483.9	7420.4
30°	8472.2	8603.5	8390.2	8382.0	8371.8	8476.3	8523.5	8691.6	8546.1	8482.5
32.5°	9677.9	9815.3	9561.0	9487.2	9448.2	9511.8	9472.8	9608.2	9507.7	9409.3
35°	10953.2	11088.5	10846.6	10703.1	10547.2	10414.0	10274.5	10309.4	10215.1	10065.4
37.5°	12158.9	12407.0	12150.7	11996.9	11709.8	11449.4	11059.8	10897.9	10809.7	10672.3
40°	13387.0	13528.5	13333.7	13202.5	12890.8	12482.8	11859.5	11517.1	11398.2	11264.9
42.5°	14291.3	14426.6	14322.0	14231.8	13987.8	13514.2	12708.4	12279.8	12107.6	11957.9
45°	15008.9	15109.4	15043.8	15076.6	14972.0	14512.7	13588.0	13097.9	12919.6	12737.1
47.5°	15298.0	15404.6	15509.2	15704.0	15882.4	15544.1	14533.2	13983.7	13795.1	13608.5
50°	15265.2	15373.9	15677.3	16091.5	16645.1	16532.4	15529.7	14926.9	14752.6	14539.4
52.5°	15002.8	15125.8	15515.4	16204.3	17086.0	17272.5	16544.7	15900.8	15736.8	15482.5
55°	14313.8	14387.6	14972.0	15948.0	17190.5	17789.2	17539.1	16938.3	16774.3	16419.6
57.5°	13036.4	13143.0	13994.0	15257.0	16928.1	18139.9	18412.6	18029.1	17871.3	17360.7
60°	11369.5	11539.6	12513.6	14096.5	16259.6	18137.8	19206.1	19101.5	18970.3	18287.5
62.5°	9483.1	9679.9	10617.0	12456.2	15090.9	17623.2	19702.3	19999.6	19931.9	19142.5
65°	7283.0	7418.3	8351.3	10334.0	13272.2	16518.0	19759.7	20612.6	20624.9	19792.5
67.5°	4849.2	5238.8	6048.7	7754.6	10836.3	14711.6	19255.3	20713.1	20832.0	20016.0
70°	2366.2	2878.8	3672.3	5039.9	7754.6	11941.5	17936.9	19888.9	20153.4	19364.0
72.5°	982.1	1148.2	1580.9	2487.1	4451.4	8058.1	15287.8	17653.9	18144.0	17157.7
75°	662.3	717.6	904.2	1275.3	2027.8	3973.7	11025.0	13163.5	13953.0	12958.5
77.5°	510.5	545.4	658.2	891.9	1205.6	1502.9	5901.0	7933.0	8341.0	7721.8
80°	401.9	428.5	492.1	650.0	855.0	803.8	2011.4	3594.3	3830.1	3213.0
82.5°	348.6	358.8	352.7	440.8	568.0	469.5	660.2	1326.6	1464.0	1062.1
85°	252.2	280.9	293.2	272.7	301.4	237.8	270.7	469.5	516.7	461.3
87.5°	102.5	151.7	186.6	176.3	110.7	67.7	84.1	137.4	157.9	172.2
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°
4328.4	0°	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4
4330.4	2.5°	4332.5	4346.8	4357.1	4369.4	4377.6	4389.9	4414.5	4428.9	4430.9	4441.2
4363.2	5°	4371.4	4392.0	4414.5	4447.3	4484.2	4515.0	4562.1	4594.9	4607.2	4617.5
4443.2	7.5°	4455.5	4484.2	4525.2	4582.6	4635.9	4677.0	4734.4	4773.3	4812.3	4826.6
4570.3	10°	4580.6	4621.6	4681.1	4759.0	4816.4	4869.7	4929.2	4962.0	5000.9	5017.3
4722.1	12.5°	4736.4	4779.5	4857.4	4966.1	5019.4	5056.3	5076.8	5068.6	5076.8	5091.1
4904.5	15°	4914.8	4962.0	5050.1	5167.0	5203.9	5171.1	5126.0	5085.0	5078.8	5082.9
5126.0	17.5°	5126.0	5160.8	5263.4	5361.8	5335.1	5199.8	5101.4	5035.8	5003.0	4992.7
5408.9	20°	5421.2	5421.2	5505.3	5566.8	5388.4	5158.8	5005.0	4898.4	4830.7	4802.0
5794.4	22.5°	5780.1	5747.3	5800.6	5757.5	5378.2	5044.0	4830.7	4646.2	4543.7	4502.7
6333.7	25°	6235.3	6196.3	6181.9	5915.4	5304.4	4861.5	4515.0	4291.5	4201.3	4178.7
7110.8	27.5°	6922.1	6823.7	6637.1	6001.5	5169.1	4574.4	4145.9	3938.8	3887.6	3889.6
8109.3	30°	7836.6	7639.8	7182.5	6015.9	4947.6	4168.5	3768.6	3621.0	3596.4	3606.6
8947.9	32.5°	8683.4	8496.8	7740.2	5950.3	4607.2	3770.7	3430.3	3331.9	3295.0	3307.3
9587.7	35°	9347.8	9296.5	8256.9	5858.0	4189.0	3397.5	3126.9	3042.8	2971.0	2954.6
10190.5	37.5°	9975.2	9954.7	8644.5	5728.8	3774.8	3133.0	2882.9	2772.1	2667.6	2610.2
10856.9	40°	10664.1	10643.6	8898.7	5529.9	3407.8	2903.4	2663.5	2517.9	2388.7	2284.1
11611.4	42.5°	11439.2	11318.2	9019.7	5244.9	3096.1	2708.6	2485.1	2288.2	2118.1	2021.7
12464.4	45°	12286.0	12013.3	9017.6	4882.0	2833.6	2530.2	2294.4	2015.5	1857.7	1767.4
13339.9	47.5°	13184.1	12677.6	8906.9	4480.1	2579.4	2333.4	1999.1	1785.9	1681.3	1626.0
14291.3	50°	14110.8	13298.9	8718.3	4018.8	2319.0	2109.9	1814.6	1669.0	1589.1	1537.8
15234.5	52.5°	14982.3	13862.7	8490.7	3495.9	2054.5	1892.5	1732.6	1619.8	1535.7	1478.3
16148.9	55°	15792.2	14348.7	8168.8	2960.8	1839.2	1746.9	1693.6	1599.3	1502.9	1435.3
17077.8	57.5°	16511.8	14664.4	7613.1	2458.4	1685.4	1646.5	1652.6	1564.5	1453.7	1396.3
17992.2	60°	17110.6	14896.1	6790.9	1993.0	1560.4	1548.0	1589.1	1498.8	1369.7	1304.1
18765.2	62.5°	17469.4	14892.0	5782.1	1632.1	1453.7	1457.8	1505.0	1416.8	1285.6	1224.1
19169.2	65°	17438.6	14527.1	4674.9	1396.3	1351.2	1355.3	1416.8	1326.6	1215.9	1179.0
18966.2	67.5°	16821.5	13637.2	3586.1	1242.5	1238.4	1256.9	1328.7	1265.1	1172.8	1168.7
17756.4	70°	15150.4	11789.8	2583.5	1119.5	1121.6	1148.2	1242.5	1226.1	1150.3	1158.5
14928.9	72.5°	12148.6	8988.9	1734.6	990.3	992.4	1035.5	1160.5	1195.4	1127.7	1236.4
10592.4	75°	8090.9	5605.8	1115.4	853.0	855.0	910.4	1088.8	1135.9	1066.2	1232.3
5511.5	77.5°	3887.6	2519.9	807.9	717.6	717.6	768.9	941.1	1017.0	908.3	957.5
1771.5	80°	1343.0	947.3	635.6	578.2	565.9	600.8	793.5	881.7	783.3	721.7
578.2	82.5°	529.0	492.1	510.5	449.0	408.0	430.6	617.2	727.9	576.2	520.8
326.0	85°	303.5	319.9	360.9	297.3	235.8	264.5	453.1	522.9	434.7	383.4
106.6	87.5°	82.0	112.8	166.1	153.8	106.6	112.8	215.3	289.1	250.1	192.7
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°
4328.4
4439.1
4615.4
4828.7
5025.5
5095.2
5097.3
5007.1
4795.9
4496.5
4182.8
3895.8
3641.5
3323.7
2966.9
2612.2
2294.4
2027.8
1763.3
1613.7
1519.3
1453.7
1408.6
1359.4
1275.3
1205.6
1176.9
1174.9
1156.4
1252.8
1242.5
877.6
676.6
518.8
391.6
198.9
0.0

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