

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: P853219

Luminaire Tested: **GLAN-SB9C-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53755 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

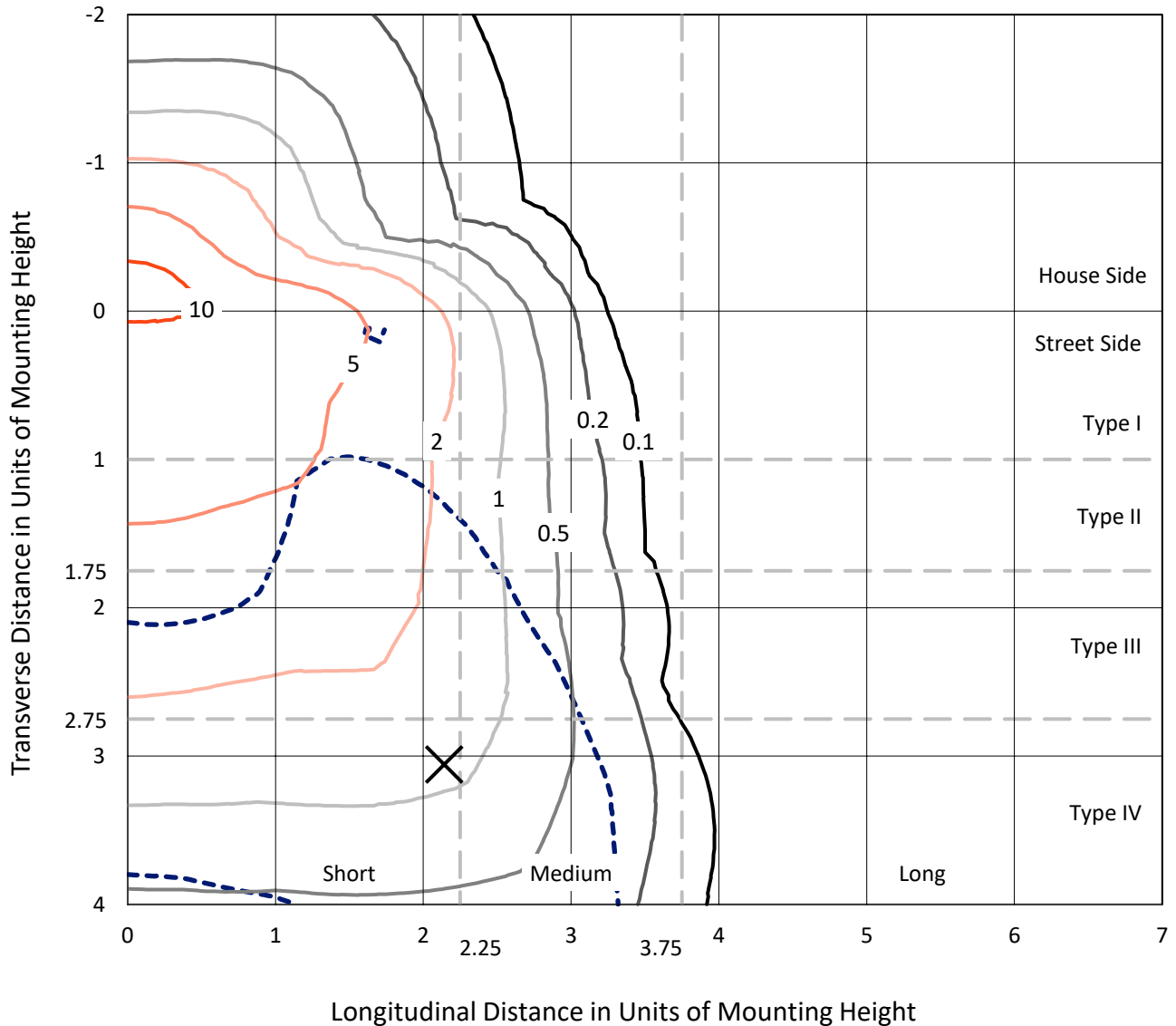
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

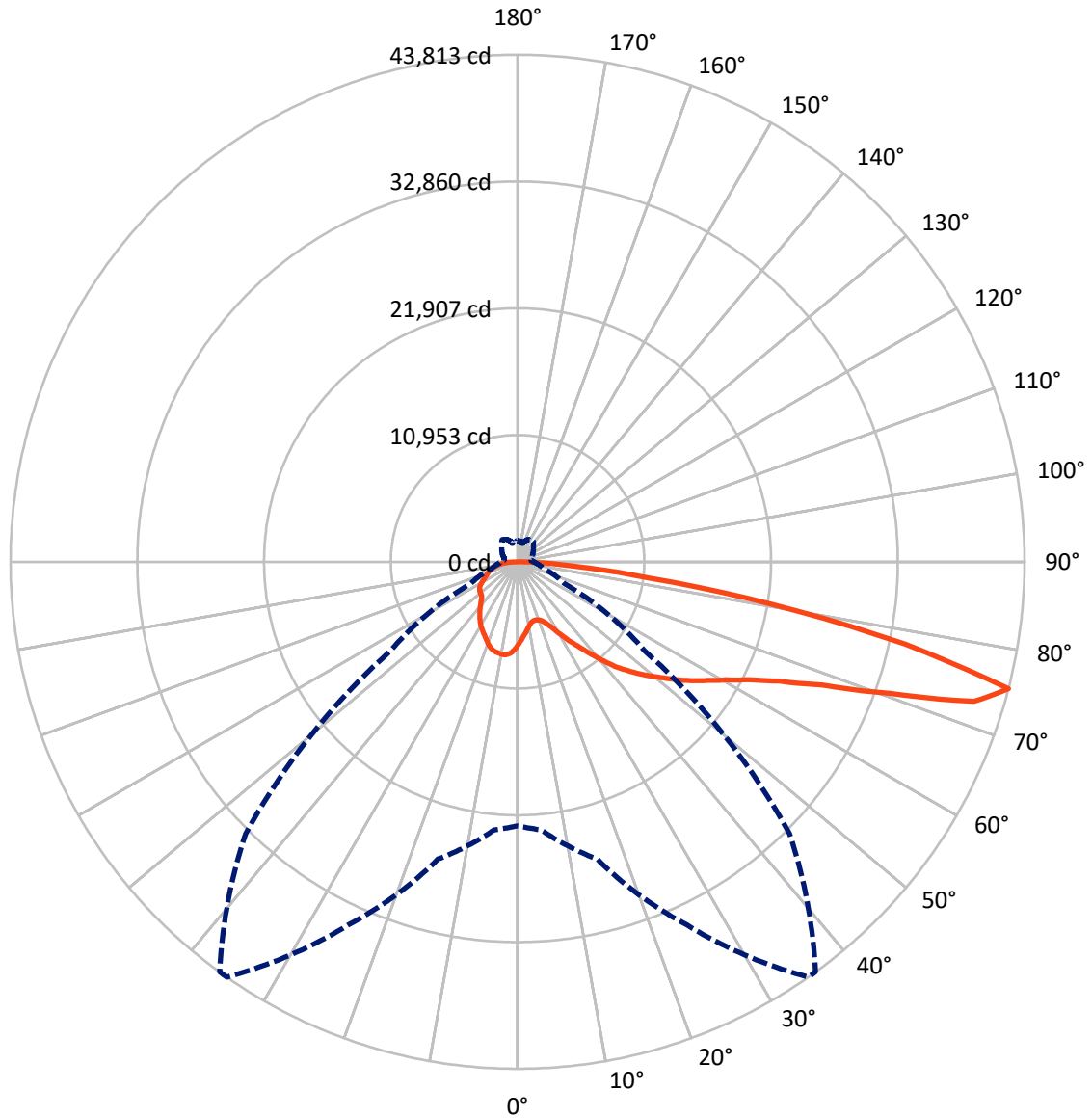
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12792.3	0.0	12792.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	40962.7	0.0	40962.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	53755.0	0.0	53755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.2	1.3
10°-20°	1956.3	3.6
20°-30°	3285.1	6.1
30°-40°	5105.5	9.5
40°-50°	7577.9	14.1
50°-60°	10461.7	19.5
60°-70°	12692.4	23.6
70°-80°	10489.3	19.5
80°-90°	1508.7	2.8
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°	53755.0	100.0
0°-180°	53755.0	100.0

Coefficient of Utilization

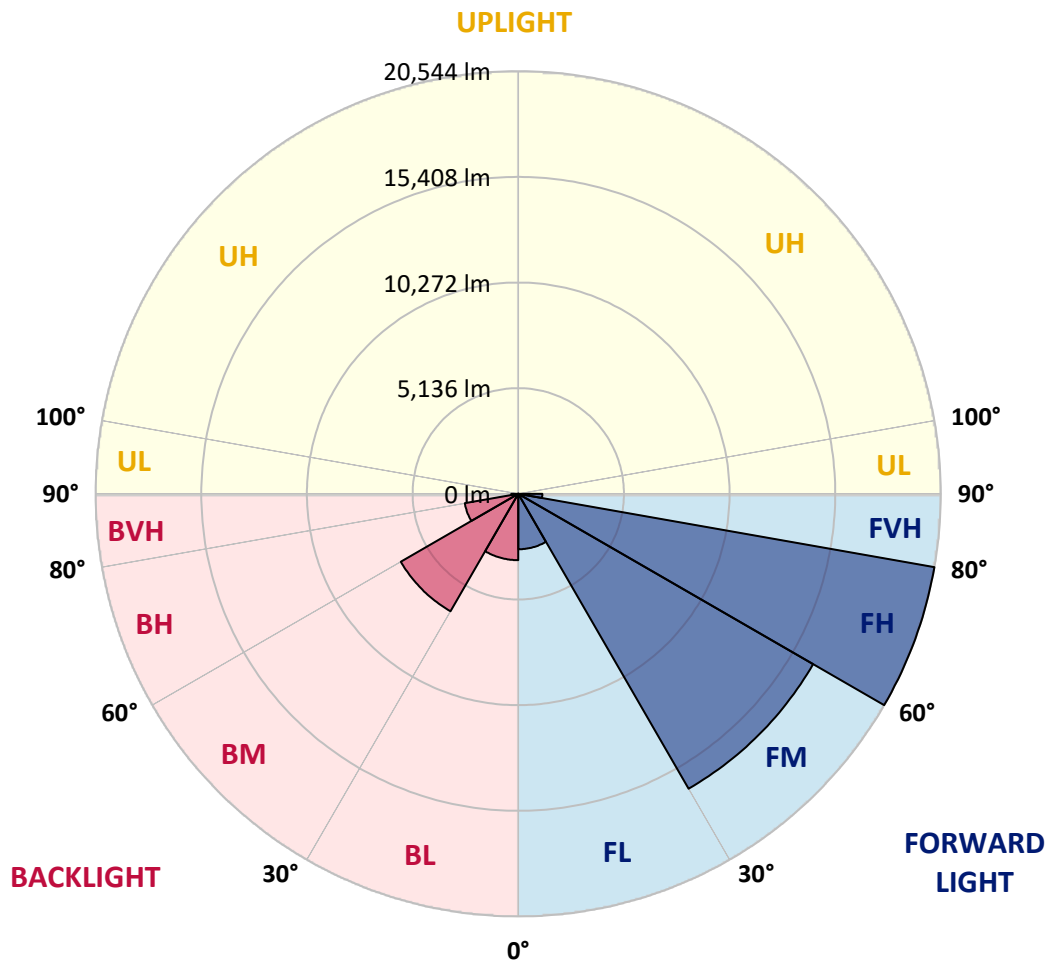


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2695.7	5.0			
FM (30°-60°)	16553.6	30.8			
FH (60°-80°)	20544.4	38.2			G5
FVH (80°-90°)	1169.0	2.2			G5
BL (0°-30°)	3223.8	6.0	B4/5000		
BM (30°-60°)	6591.4	12.3	B4/8500		
BH (60°-80°)	2637.4	4.9	B4/5000		G4/5000
BVH (80°-90°)	339.7	0.6			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2
2.5°	6605.3	6646.0	6663.4	6654.7	6698.3	6692.5	6753.5	6829.0	6933.6	7035.4
5°	6096.7	6140.3	6178.1	6213.0	6297.2	6323.4	6419.3	6564.6	6756.4	6951.1
7.5°	5623.1	5660.8	5719.0	5782.9	5925.3	5951.4	6111.3	6337.9	6605.3	6890.1
10°	5236.6	5274.3	5335.4	5408.0	5585.3	5617.2	5820.7	6122.9	6471.6	6831.9
12.5°	5070.9	5082.5	5117.4	5190.1	5344.1	5364.4	5588.2	5934.0	6340.8	6788.3
15°	5062.2	5085.4	5088.4	5126.1	5254.0	5262.7	5469.0	5811.9	6259.5	6779.6
17.5°	5149.4	5166.8	5140.7	5163.9	5271.4	5286.0	5448.7	5753.8	6233.3	6817.4
20°	5381.9	5396.4	5317.9	5286.0	5364.4	5376.0	5535.9	5791.6	6259.5	6895.9
22.5°	5875.9	5884.6	5692.8	5562.0	5567.8	5573.7	5713.1	5945.6	6361.2	7038.3
25°	6646.0	6640.1	6335.0	6082.2	5936.9	5904.9	5997.9	6195.5	6532.6	7227.1
27.5°	7546.8	7503.2	7198.1	6820.3	6503.6	6457.1	6436.7	6521.0	6776.7	7477.1
30°	8563.9	8523.2	8194.8	7700.8	7262.0	7186.5	6994.7	6951.1	7140.0	7817.1
32.5°	9679.8	9653.6	9261.3	8662.7	8075.7	7988.5	7666.0	7549.7	7697.9	8331.4
35°	10615.5	10592.3	10266.8	9650.7	8933.0	8825.4	8497.1	8366.3	8441.8	8991.1
37.5°	11461.1	11449.5	11170.6	10685.3	9944.2	9813.5	9444.4	9400.8	9386.3	9860.0
40°	12245.8	12216.7	11926.1	11670.4	11121.1	11002.0	10676.5	10638.8	10528.3	10929.4
42.5°	13114.6	13039.1	12617.7	12498.6	12350.4	12251.6	12056.9	12062.7	11818.6	12135.3
45°	13823.7	13780.1	13347.1	13277.4	13437.2	13396.5	13565.1	13608.7	13135.0	13399.4
47.5°	14585.1	14544.4	14178.2	14128.8	14561.8	14573.4	15169.2	15183.7	14419.4	14712.9
50°	15523.7	15465.6	15102.3	15163.4	15648.7	15692.2	16782.0	16683.2	15602.2	16046.8
52.5°	16142.7	16177.5	16099.1	16197.9	16860.4	16901.1	18368.6	18115.8	16773.3	17363.2
55°	16598.9	16668.6	16912.7	17139.4	18139.1	18179.8	19865.2	19478.7	17743.9	18583.7
57.5°	17185.9	17087.1	17543.3	17985.1	19353.8	19461.3	21321.1	20792.2	18604.0	19635.6
60°	18028.6	17958.9	18313.4	18967.3	20713.8	20885.2	22861.3	21974.9	19234.6	20469.7
62.5°	19737.4	19563.0	19618.2	20196.5	22428.3	22654.9	24599.0	23006.6	19548.5	20795.1
65°	22291.7	21992.4	21713.4	22114.4	24843.1	25066.9	26560.6	23817.3	19432.2	20164.5
67.5°	25508.6	25212.2	24869.3	25247.1	28400.1	28577.3	28981.2	24273.6	18516.8	17735.1
70°	28161.8	28051.3	28461.1	30015.8	34081.2	34087.0	32084.8	23895.8	16009.0	12574.1
72.5°	27810.1	27743.3	29902.4	34708.9	41241.5	41087.5	35022.8	21036.3	10784.1	5672.5
75°	22814.8	23247.8	26592.5	34624.6	43813.3	43793.0	33224.0	13373.3	4460.7	2350.9
77.5°	12234.1	12919.9	17264.4	25563.8	34203.3	34717.6	23358.2	4678.6	1915.0	1505.3
80°	3989.9	4588.5	6881.3	13015.8	22224.9	22129.0	10011.1	1836.6	1310.6	1066.5
82.5°	1694.2	1763.9	3074.5	6146.1	11405.9	11228.7	3187.8	1054.9	921.2	729.4
85°	662.6	741.0	1357.1	2842.0	4940.1	4832.6	1150.8	523.1	589.9	476.6
87.5°	217.9	264.4	485.3	973.5	1537.3	1482.0	281.9	180.2	255.7	217.9
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°
7163.2	0°	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2	7163.2
7183.6	2.5°	7224.2	7270.7	7326.0	7407.3	7477.1	7535.2	7596.2	7634.0	7648.5	7692.1
7195.2	5°	7276.6	7378.3	7514.8	7648.5	7779.3	7857.7	7927.5	7962.4	7994.3	8017.6
7227.1	7.5°	7363.7	7494.5	7709.5	7883.9	7994.3	8058.3	8104.8	8093.1	8104.8	8110.6
7262.0	10°	7439.3	7622.4	7878.1	8043.7	8128.0	8130.9	8119.3	8078.6	8058.3	8061.2
7314.3	12.5°	7529.4	7732.8	8008.9	8148.3	8171.6	8107.7	8058.3	7988.5	7962.4	7950.7
7392.8	15°	7651.4	7883.9	8151.2	8203.6	8145.4	8064.1	7979.8	7866.5	7808.3	7761.8
7526.5	17.5°	7799.6	8055.4	8261.7	8223.9	8098.9	7965.3	7828.7	7657.2	7538.1	7488.7
7709.5	20°	8005.9	8235.5	8345.9	8180.3	7991.4	7788.0	7555.5	7346.3	7235.9	7186.5
7942.0	22.5°	8255.9	8476.7	8427.3	8104.8	7837.4	7511.9	7221.3	7067.3	7012.1	6977.2
8241.3	25°	8555.2	8744.1	8485.4	7994.3	7584.6	7145.8	6922.0	6872.6	6846.5	6820.3
8607.5	27.5°	8944.6	9046.3	8529.0	7831.6	7189.4	6756.4	6675.0	6683.7	6675.0	6631.4
9116.0	30°	9458.9	9438.6	8569.7	7567.1	6736.0	6404.8	6410.6	6448.3	6454.2	6425.1
9825.1	32.5°	10136.0	9929.7	8590.0	7224.2	6303.1	6096.7	6102.5	6143.2	6172.3	6122.9
10752.1	35°	10955.5	10502.2	8558.1	6794.2	5968.9	5803.2	5759.6	5771.3	5780.0	5733.5
11876.7	37.5°	11911.6	11144.4	8415.7	6317.6	5692.8	5515.5	5422.5	5344.1	5297.6	5254.0
13149.5	40°	12960.6	11844.7	8154.2	5852.6	5384.8	5210.4	5070.9	4922.7	4765.8	4707.7
14497.9	42.5°	14059.1	12565.4	7837.4	5408.0	5030.2	4887.8	4739.6	4524.6	4289.2	4170.1
15898.6	45°	15198.2	13303.5	7526.5	4969.2	4667.0	4606.0	4434.5	4175.9	3920.2	3769.0
17302.1	47.5°	16314.1	14001.0	7070.2	4527.5	4327.0	4393.8	4260.2	4021.9	3737.1	3498.8
18694.1	50°	17380.6	14654.8	6323.4	4080.0	4050.9	4329.9	4202.0	3859.1	3533.7	3228.5
20059.9	52.5°	18438.4	15183.7	5367.3	3673.1	3902.7	4312.5	4126.5	3748.7	3350.6	3030.9
21344.4	55°	19336.3	15456.9	4446.1	3324.4	3687.7	4164.3	4036.4	3617.9	3092.0	2752.0
22224.9	57.5°	19847.8	15236.0	3679.0	2981.5	3391.3	3920.2	3882.4	3339.0	2783.9	2522.4
22396.3	60°	19626.9	14341.0	3051.3	2682.2	3109.4	3655.7	3615.0	3062.9	2548.5	2301.5
21478.0	62.5°	18409.3	12635.2	2554.3	2420.7	2853.7	3385.5	3347.7	2850.8	2368.4	2130.1
19039.9	65°	15956.7	10278.4	2167.9	2202.7	2595.0	3060.0	3115.2	2673.5	2226.0	1993.5
14730.4	67.5°	12170.2	7445.1	1865.6	2013.8	2342.2	2740.3	2900.2	2545.6	2106.8	1886.0
8523.2	70°	6936.6	4228.2	1609.9	1830.8	2118.5	2443.9	2734.5	2443.9	1979.0	1795.9
3193.7	72.5°	2629.9	1941.2	1392.0	1647.7	1903.4	2194.0	2551.4	2284.1	1830.8	1694.2
1650.6	75°	1403.6	1182.7	1171.1	1432.6	1656.4	1949.9	2321.9	2127.2	1720.3	1790.1
1142.0	77.5°	956.1	836.9	979.3	1226.3	1386.1	1679.7	2077.8	1888.9	1490.8	1485.0
790.4	80°	662.6	592.8	796.2	988.0	1072.3	1412.3	1813.3	1621.5	1214.7	1133.3
488.2	82.5°	398.1	386.5	595.7	738.1	758.5	1089.7	1502.4	1360.0	993.8	866.0
290.6	85°	217.9	229.6	380.7	433.0	441.7	761.4	1176.9	1052.0	764.3	642.2
104.6	87.5°	61.0	78.5	139.5	171.5	212.1	395.2	700.3	624.8	383.6	267.3
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°
7163.2
7689.2
8023.4
8119.3
8067.0
7944.9
7776.4
7491.6
7180.7
6983.0
6820.3
6640.1
6439.6
6146.1
5765.4
5283.1
4733.8
4184.6
3757.4
3472.6
3202.4
2996.1
2722.9
2487.5
2266.7
2092.3
1955.7
1851.1
1772.6
1670.9
1848.2
1368.7
1083.9
871.8
648.0
267.3
0.0

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