

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: P851746

Luminaire Tested: **GLAN-SB9D-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851746
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-SB9D-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 81673 lumens
Efficiency: N/A
Efficacy: 124.1 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

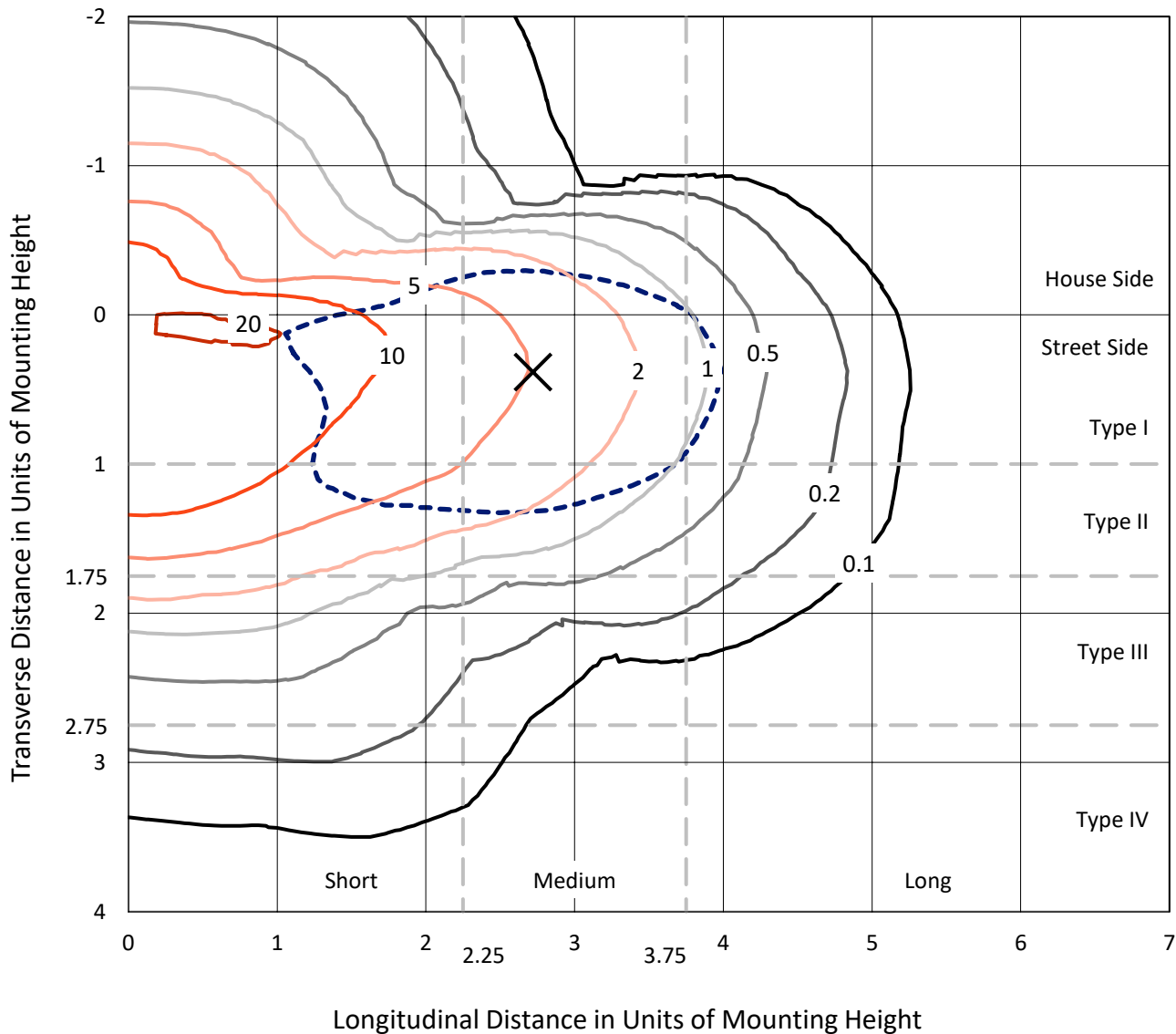
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

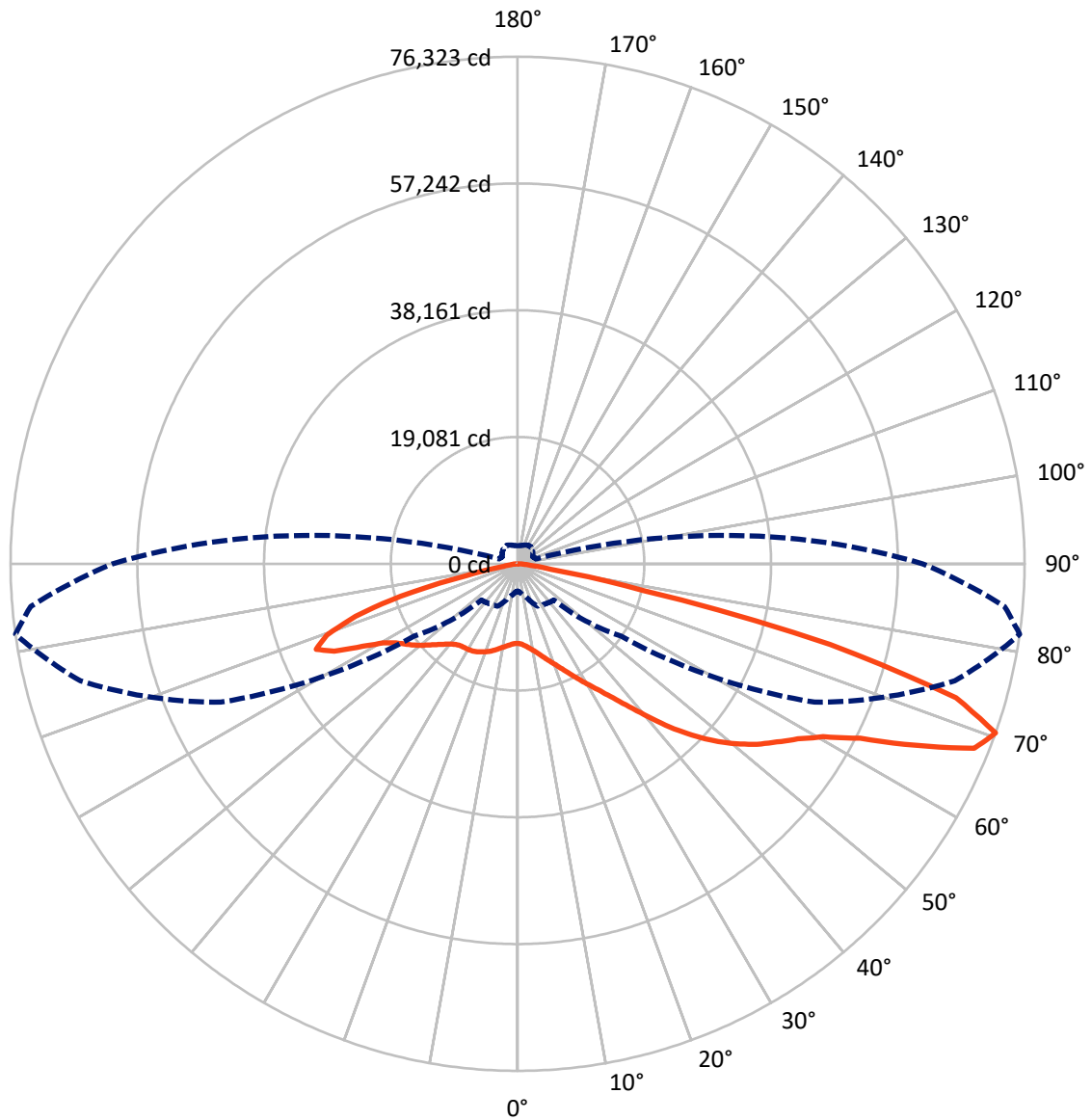
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 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	20134.4	0.0	20134.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	61538.6	0.0	61538.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	81673.0	0.0	81673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.6	1.4
10°-20°	3248.2	4.0
20°-30°	5434.0	6.7
30°-40°	8489.3	10.4
40°-50°	13520.1	16.6
50°-60°	18814.9	23.0
60°-70°	19681.3	24.1
70°-80°	10286.5	12.6
80°-90°	1068.1	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°	81673.0	100.0
0°-180°	81673.0	100.0

Coefficient of Utilization

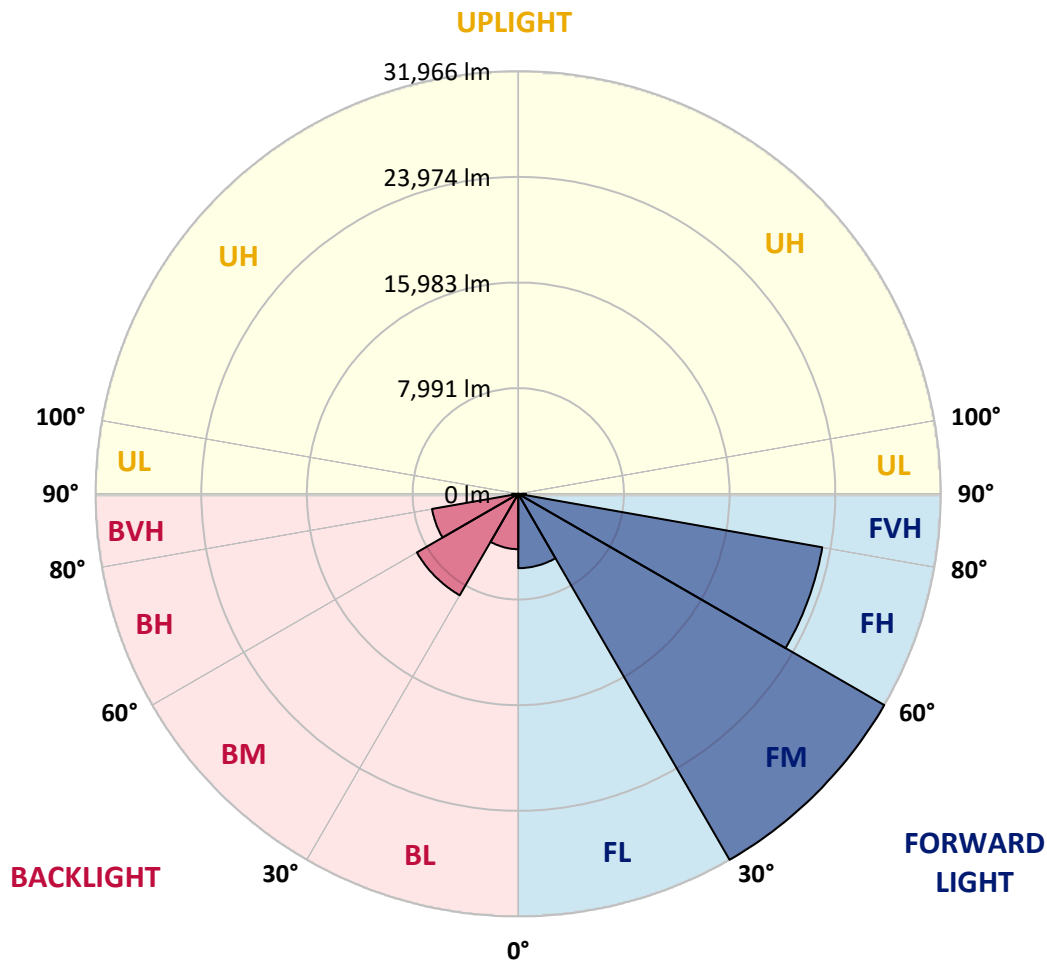


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5624.1	6.9			
FM (30°-60°)	31966.0	39.1			
FH (60°-80°)	23350.6	28.6			G5
FVH (80°-90°)	597.9	0.7			G4/750
BL (0°-30°)	4188.7	5.1	B4/5000		
BM (30°-60°)	8858.3	10.8	B5		
BH (60°-80°)	6617.2	8.1	B5		G5
BVH (80°-90°)	470.2	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°	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3
2.5°	12260.3	12329.7	12308.0	12286.3	12286.3	12256.0	12251.6	12208.3	12173.6	12117.3
5°	12416.3	12490.0	12481.3	12498.7	12555.0	12568.0	12581.0	12555.0	12485.7	12416.3
7.5°	12277.6	12360.0	12386.0	12490.0	12663.4	12819.4	12936.4	12984.1	12919.1	12819.4
10°	11809.6	11900.6	11991.6	12238.6	12546.3	12914.7	13226.8	13413.1	13400.1	13304.8
12.5°	10860.5	10955.8	11150.9	11631.9	12195.3	12845.4	13426.1	13816.1	13950.5	13881.2
15°	10102.1	10184.4	10331.8	10825.8	11558.2	12546.3	13499.8	14258.2	14600.6	14561.6
17.5°	10080.4	10115.1	10206.1	10440.1	11003.5	12078.3	13421.8	14691.6	15346.0	15341.6
20°	10461.8	10474.8	10526.8	10574.5	10895.2	11722.9	13222.4	15051.3	16182.4	16182.4
22.5°	10990.5	10981.8	11033.8	10990.5	11146.5	11692.6	13096.7	15367.6	17114.2	17183.5
25°	11783.6	11740.3	11727.3	11627.6	11657.9	11974.3	13235.4	15727.4	18219.3	18362.3
27.5°	12841.0	12771.7	12724.0	12494.3	12416.3	12555.0	13660.1	16160.7	19450.1	19697.1
30°	14219.2	14093.5	14024.2	13625.5	13343.8	13365.4	14301.5	16737.1	20737.2	21135.9
32.5°	16100.1	15905.0	15718.7	15064.3	14548.6	14379.5	15129.3	17534.5	22132.7	22769.8
35°	18206.3	18050.3	17850.9	16841.1	16048.1	15658.0	16247.4	18648.3	23766.5	24776.3
37.5°	20234.5	20100.2	20195.5	18834.7	17811.9	17244.2	17712.2	20143.5	25781.8	27272.6
40°	22332.1	22228.0	22241.0	20940.9	19749.1	19112.0	19489.1	22020.0	28091.7	30241.2
42.5°	24611.6	24533.6	24273.6	23120.8	21781.7	21187.9	21534.6	24186.9	30570.6	33621.6
45°	27164.2	27116.6	26873.9	25552.1	24017.9	23350.5	23818.6	26579.2	33062.5	36802.6
47.5°	29370.1	29409.2	29378.8	28265.0	26674.5	25695.1	26254.1	29075.4	35381.1	39792.9
50°	30431.9	30635.6	30934.6	30587.9	29599.8	28603.1	28711.4	31485.0	37591.4	42596.9
52.5°	29877.2	30262.9	31077.7	31632.4	32013.8	31805.7	31515.4	33877.3	39671.6	45127.8
55°	27810.0	28351.7	29703.8	31043.0	32988.9	34501.4	34882.7	36529.6	41699.8	47355.4
57.5°	24043.9	24923.7	26137.1	28845.8	32122.1	35805.8	38809.2	40209.0	43849.4	49734.7
60°	17586.6	18765.3	20273.5	24303.9	29088.5	35108.1	42150.5	45860.2	46904.7	52816.0
62.5°	11254.9	11983.0	13369.8	17166.2	22665.8	31532.7	43173.3	52924.3	52083.6	57869.2
65°	7705.5	8173.5	9443.3	11575.6	14652.6	23471.8	40434.3	58220.2	60309.1	65878.1
67.5°	5599.3	5954.6	7038.1	8906.0	9547.4	13889.8	31376.7	57977.5	68305.0	74129.6
70°	4082.4	4333.8	5243.9	7038.1	7345.8	7727.2	19008.0	49283.9	68131.6	76322.5
72.5°	3025.0	3198.3	3809.4	5460.6	5946.0	5217.9	9408.7	35818.8	58545.3	69033.1
75°	2188.6	2318.6	2769.3	4177.8	4758.5	3974.1	4693.5	20932.2	40837.4	48560.2
77.5°	1672.8	1772.5	2067.2	3059.7	3809.4	2981.7	2912.3	9629.7	19363.4	19458.8
80°	1343.5	1408.5	1568.8	2153.9	2921.0	2231.9	1898.2	3887.4	6119.3	5178.9
82.5°	988.1	1096.5	1326.1	1512.5	2088.9	1538.5	1157.1	1963.2	2327.2	2002.2
85°	563.4	637.1	801.8	1083.4	1334.8	940.4	663.1	871.1	1083.4	888.4
87.5°	199.4	260.0	281.7	424.7	580.7	390.0	255.7	251.4	355.4	264.4
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°
11974.3	0°	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3	11974.3
12104.3	2.5°	12061.0	12039.3	11952.6	11835.6	11714.3	11597.2	11558.2	11475.9	11419.6	11389.2
12386.0	5°	12303.7	12234.3	12030.6	11770.6	11497.6	11202.9	10994.8	10804.2	10665.5	10535.5
12771.7	7.5°	12650.4	12529.0	12178.0	11722.9	11237.5	10747.8	10383.8	10106.4	9920.1	9798.7
13222.4	10°	13053.4	12867.0	12329.7	11649.2	10899.5	10197.4	9768.4	9530.0	9413.0	9348.0
13738.1	12.5°	13517.1	13252.8	12485.7	11480.2	10383.8	9582.0	9287.3	9218.0	9222.3	9226.7
14388.2	15°	14089.2	13720.8	12611.4	11111.9	9712.0	9109.6	9057.6	9170.3	9287.3	9343.7
15125.0	17.5°	14734.9	14214.9	12633.0	10505.1	9053.3	8806.3	8971.0	9213.7	9391.3	9469.3
15948.4	20°	15428.3	14717.6	12477.0	9647.0	8511.6	8559.3	8853.9	9166.0	9361.0	9460.7
16888.8	22.5°	16221.4	15255.0	12104.3	8745.6	8069.5	8290.6	8637.3	8940.6	9144.3	9244.0
17993.9	25°	17127.2	15857.4	11519.2	7987.2	7688.2	7987.2	8333.9	8585.3	8749.9	8840.9
19229.1	27.5°	18132.6	16485.8	10739.2	7384.8	7354.5	7675.2	7961.2	8156.2	8242.9	8312.2
20542.2	30°	19142.4	17057.8	9794.4	6929.7	7064.1	7367.5	7571.1	7657.8	7683.8	7696.8
22007.0	32.5°	20234.5	17551.9	8801.9	6552.7	6786.7	7068.4	7189.8	7228.8	7107.4	7025.1
23783.9	35°	21556.3	18080.6	7831.2	6253.7	6513.7	6756.4	6795.4	6760.7	6617.7	6448.7
26011.5	37.5°	23190.2	18739.3	7055.4	6041.3	6258.0	6418.4	6370.7	6362.0	6375.0	6175.7
28689.7	40°	25192.4	19597.4	6487.7	5876.6	6050.0	6084.7	5950.3	6024.0	6089.0	5785.6
31628.1	42.5°	27415.6	20633.2	6128.0	5764.0	5876.6	5794.3	5586.3	5668.6	5659.9	5261.2
34579.4	45°	29682.2	21760.0	6002.3	5681.6	5716.3	5551.6	5321.9	5343.6	5161.6	4801.8
37409.3	47.5°	31935.8	22969.1	6080.3	5612.3	5516.9	5330.6	5152.9	5057.5	4788.8	4520.2
40122.3	50°	34146.0	24238.9	6366.3	5473.6	5243.9	5135.6	5005.5	4836.5	4550.5	4320.8
42687.9	52.5°	36195.9	25517.4	6687.0	5243.9	4901.5	4966.5	4884.2	4689.2	4407.5	4173.4
45114.8	55°	38137.4	26795.9	6812.7	4927.5	4580.8	4819.2	4771.5	4411.8	4073.8	3883.1
47654.4	57.5°	40252.3	28334.4	6674.0	4524.5	4320.8	4650.2	4468.1	4069.4	3874.4	3731.4
50961.1	60°	43182.0	30748.3	6375.0	4026.1	4073.8	4398.8	4086.8	3922.1	3709.7	3549.4
55919.0	62.5°	48048.8	35251.1	5894.0	3532.0	3783.4	4026.1	3904.8	3740.1	3523.4	3367.4
64395.9	65°	55242.9	41509.1	4988.2	3146.3	3458.4	3662.1	3709.7	3545.0	3319.7	3155.0
71824.0	67.5°	61310.2	45435.5	3774.7	2825.6	3124.7	3367.4	3501.7	3341.4	3103.0	2942.6
73561.9	70°	60976.5	42583.9	2882.0	2509.3	2830.0	3077.0	3250.3	3124.7	2869.0	2717.3
66818.5	72.5°	54159.5	35623.8	2331.6	2188.6	2530.9	2773.6	2981.7	2886.3	2626.3	2478.9
48950.2	75°	39788.6	25287.7	1863.5	1863.5	2158.2	2457.3	2687.0	2626.3	2387.9	2283.9
20550.9	77.5°	16771.8	10609.1	1460.5	1547.2	1794.2	2110.6	2396.6	2418.3	2210.2	2340.3
5434.6	80°	4459.5	2925.3	1113.8	1217.8	1408.5	1742.2	2084.6	2075.9	1850.5	1729.2
2019.5	82.5°	1698.8	1152.8	793.1	858.1	1018.4	1334.8	1651.2	1703.2	1477.8	1278.5
793.1	85°	654.4	494.1	489.7	515.7	593.7	884.1	1248.1	1291.5	1113.8	944.8
221.0	87.5°	169.0	147.3	182.0	173.4	273.0	472.4	715.1	741.1	680.4	394.4
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°
11974.3
11423.9
10587.5
9824.7
9365.3
9235.3
9339.3
9486.7
9486.7
9270.0
8867.0
8338.2
7727.2
7051.1
6457.4
6188.7
5794.3
5256.9
4814.8
4520.2
4303.5
4177.8
3865.7
3718.4
3540.7
3367.4
3163.7
2947.0
2730.3
2478.9
2253.6
2123.6
1607.8
1278.5
975.1
563.4
0.0

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