

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: P853155

Luminaire Tested: **GLAN-SB9A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853155
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-SB9A-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33436 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

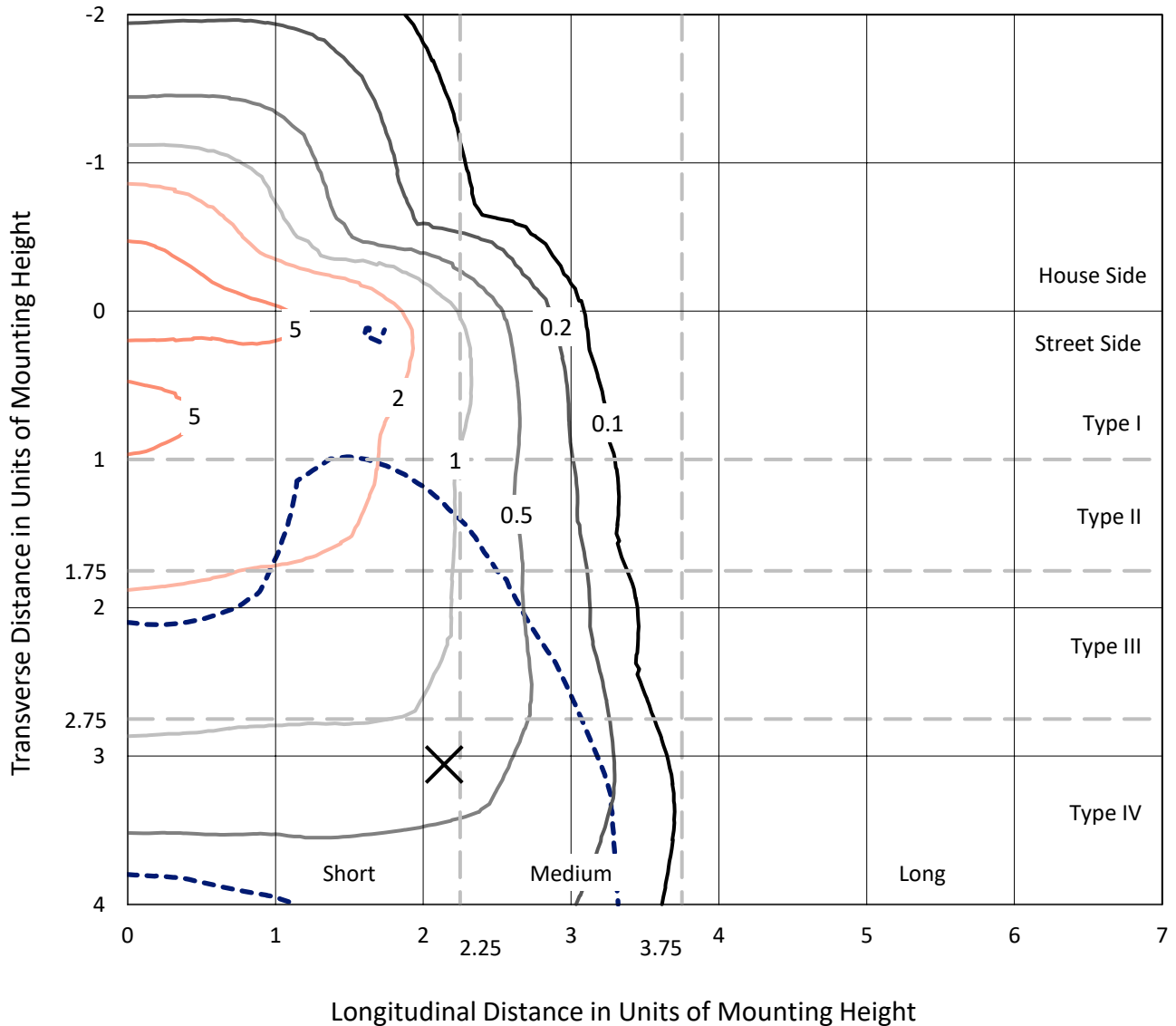
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

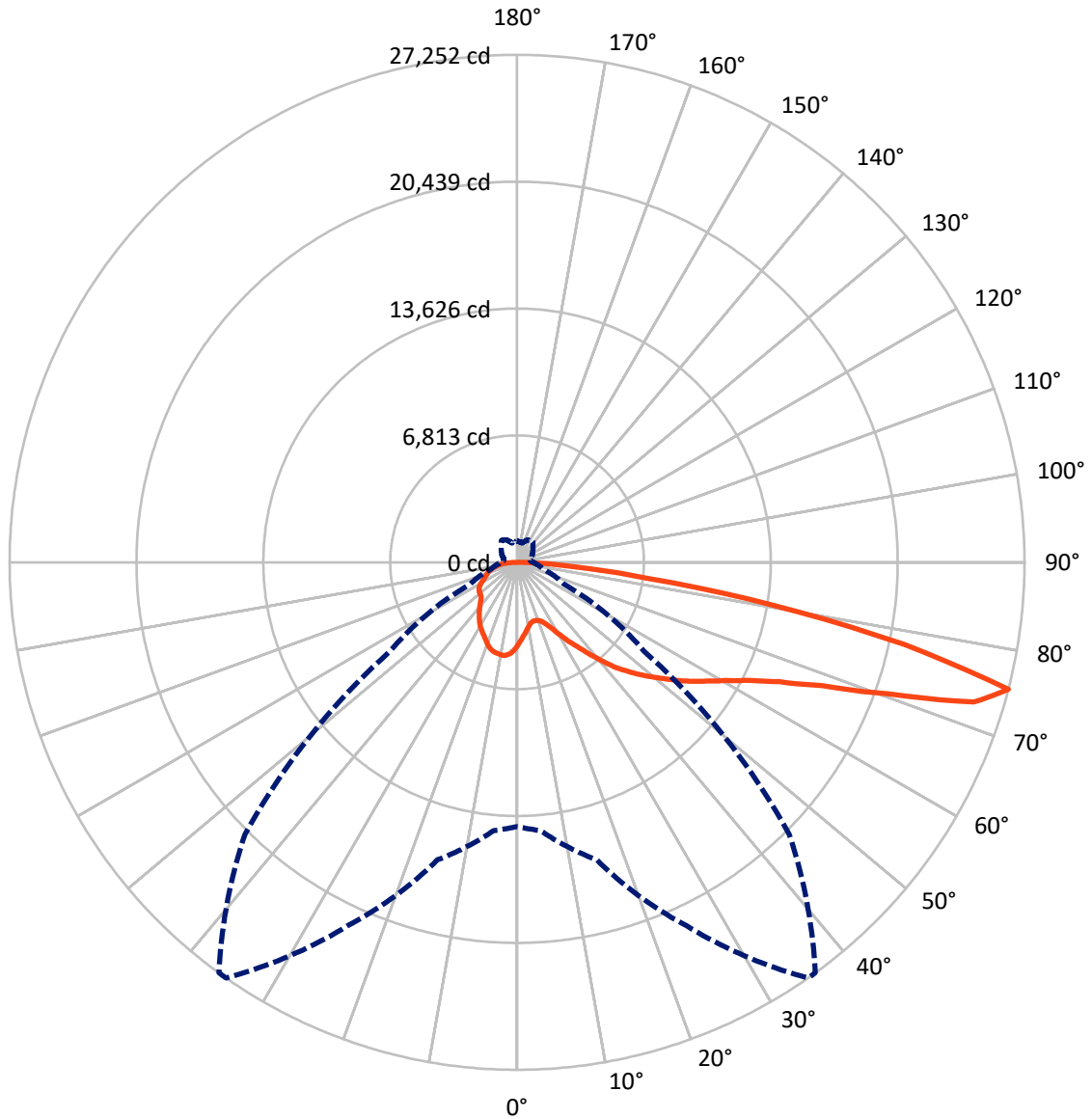
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	7956.9	0.0	7956.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	25479.1	0.0	25479.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	33436.0	0.0	33436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.9	1.3
10°-20°	1216.8	3.6
20°-30°	2043.3	6.1
30°-40°	3175.6	9.5
40°-50°	4713.5	14.1
50°-60°	6507.2	19.5
60°-70°	7894.8	23.6
70°-80°	6524.4	19.5
80°-90°	938.4	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°	33436.0	100.0
0°-180°	33436.0	100.0

Coefficient of Utilization



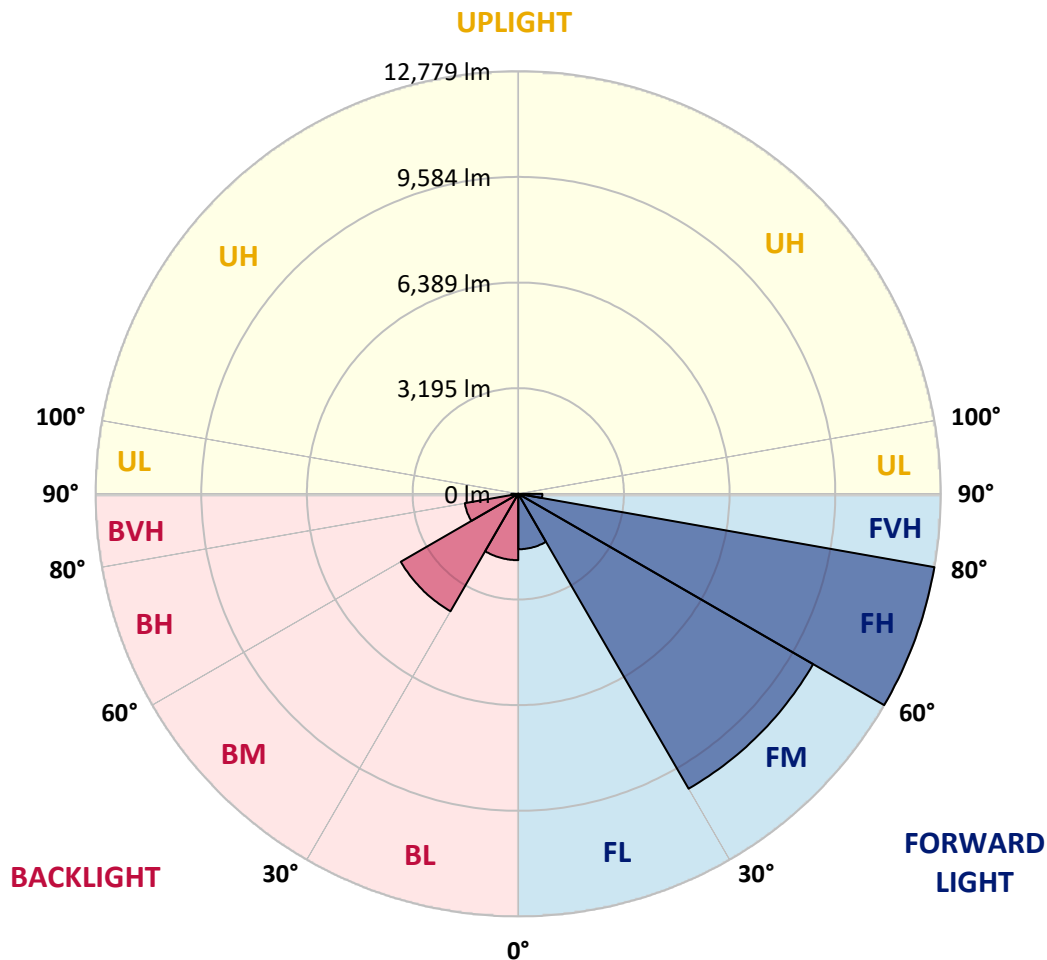
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.8	5.0			
FM (30°-60°)	10296.5	30.8			
FH (60°-80°)	12778.7	38.2			G5
FVH (80°-90°)	727.1	2.2			G4/750
BL (0°-30°)	2005.3	6.0	B3/2500		
BM (30°-60°)	4099.9	12.3	B3/5000		
BH (60°-80°)	1640.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	211.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6
2.5°	4108.5	4133.8	4144.7	4139.3	4166.4	4162.8	4200.7	4247.7	4312.8	4376.0
5°	3792.2	3819.3	3842.8	3864.5	3916.9	3933.2	3992.8	4083.2	4202.5	4323.6
7.5°	3497.6	3521.1	3557.2	3597.0	3685.6	3701.8	3801.2	3942.2	4108.5	4285.7
10°	3257.2	3280.7	3318.6	3363.8	3474.1	3494.0	3620.5	3808.5	4025.4	4249.5
12.5°	3154.1	3161.4	3183.1	3228.3	3324.1	3336.7	3475.9	3691.0	3944.0	4222.4
15°	3148.7	3163.2	3165.0	3188.5	3268.0	3273.4	3401.8	3615.1	3893.4	4217.0
17.5°	3203.0	3213.8	3197.5	3212.0	3278.9	3287.9	3389.1	3578.9	3877.2	4240.5
20°	3347.6	3356.6	3307.8	3287.9	3336.7	3343.9	3443.4	3602.4	3893.4	4289.3
22.5°	3654.8	3660.3	3541.0	3459.6	3463.2	3466.9	3553.6	3698.2	3956.7	4377.8
25°	4133.8	4130.2	3940.4	3783.2	3692.8	3672.9	3730.8	3853.7	4063.3	4495.3
27.5°	4694.2	4667.1	4477.3	4242.3	4045.3	4016.3	4003.7	4056.1	4215.2	4650.8
30°	5326.8	5301.5	5097.2	4790.0	4517.0	4470.0	4350.7	4323.6	4441.1	4862.3
32.5°	6020.9	6004.6	5760.6	5388.3	5023.1	4968.9	4768.3	4696.0	4788.2	5182.2
35°	6602.9	6588.5	6386.0	6002.8	5556.4	5489.5	5285.2	5203.9	5250.9	5592.5
37.5°	7128.9	7121.7	6948.2	6646.3	6185.4	6104.0	5874.5	5847.4	5838.3	6133.0
40°	7617.0	7598.9	7418.1	7259.1	6917.4	6843.3	6640.9	6617.4	6548.7	6798.1
42.5°	8157.4	8110.4	7848.3	7774.2	7682.0	7620.6	7499.5	7503.1	7351.2	7548.3
45°	8598.4	8571.3	8302.0	8258.6	8358.0	8332.7	8437.6	8464.7	8170.1	8334.5
47.5°	9072.0	9046.7	8819.0	8788.2	9057.6	9064.8	9435.3	9444.4	8969.0	9151.5
50°	9655.9	9619.7	9393.8	9431.7	9733.6	9760.7	10438.5	10377.1	9704.7	9981.2
52.5°	10040.9	10062.5	10013.7	10075.2	10487.3	10512.6	11425.4	11268.2	10433.1	10800.0
55°	10324.6	10368.0	10519.9	10660.8	11282.6	11307.9	12356.3	12115.9	11036.8	11559.2
57.5°	10689.8	10628.3	10912.1	11186.8	12038.2	12105.1	13261.9	12932.9	11571.8	12213.5
60°	11213.9	11170.6	11391.1	11797.8	12884.1	12990.8	14219.9	13668.6	11964.1	12732.3
62.5°	12276.8	12168.3	12202.7	12562.4	13950.6	14091.5	15300.8	14310.3	12159.3	12934.7
65°	13865.6	13679.4	13505.9	13755.3	15452.6	15591.8	16520.9	14814.6	12087.0	12542.5
67.5°	15866.5	15682.2	15468.9	15703.9	17665.0	17775.3	18026.5	15098.3	11517.6	11031.4
70°	17516.8	17448.1	17703.0	18670.0	21198.8	21202.4	19957.0	14863.4	9957.7	7821.2
72.5°	17298.1	17256.5	18599.5	21589.2	25652.5	25556.7	21784.4	13084.7	6707.8	3528.3
75°	14191.0	14460.3	16540.8	21536.8	27252.2	27239.5	20665.5	8318.3	2774.6	1462.3
77.5°	7609.7	8036.3	10738.6	15900.9	21274.7	21594.6	14529.0	2910.1	1191.2	936.3
80°	2481.7	2854.1	4280.2	8095.9	13824.0	13764.4	6227.0	1142.4	815.2	663.4
82.5°	1053.8	1097.2	1912.4	3822.9	7094.6	6984.3	1982.9	656.1	573.0	453.7
85°	412.1	460.9	844.1	1767.8	3072.8	3005.9	715.8	325.4	366.9	296.4
87.5°	135.6	164.5	301.9	605.5	956.2	921.8	175.3	112.1	159.1	135.6
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°
4455.6	0°	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6	4455.6
4468.2	2.5°	4493.5	4522.5	4556.8	4607.4	4650.8	4686.9	4724.9	4748.4	4757.4	4784.5
4475.5	5°	4526.1	4589.3	4674.3	4757.4	4838.8	4887.6	4931.0	4952.6	4972.5	4987.0
4495.3	7.5°	4580.3	4661.6	4795.4	4903.8	4972.5	5012.3	5041.2	5034.0	5041.2	5044.8
4517.0	10°	4627.3	4741.2	4900.2	5003.3	5055.7	5057.5	5050.3	5024.9	5012.3	5014.1
4549.6	12.5°	4683.3	4809.8	4981.6	5068.3	5082.8	5043.0	5012.3	4968.9	4952.6	4945.4
4598.4	15°	4759.2	4903.8	5070.1	5102.7	5066.5	5015.9	4963.5	4893.0	4856.8	4827.9
4681.5	17.5°	4851.4	5010.5	5138.8	5115.3	5037.6	4954.5	4869.5	4762.9	4688.7	4658.0
4795.4	20°	4979.8	5122.6	5191.2	5088.2	4970.7	4844.2	4699.6	4569.4	4500.8	4470.0
4940.0	22.5°	5135.2	5272.6	5241.9	5041.2	4874.9	4672.5	4491.7	4395.9	4361.6	4339.9
5126.2	25°	5321.4	5438.9	5278.0	4972.5	4717.7	4444.7	4305.5	4274.8	4258.6	4242.3
5353.9	27.5°	5563.6	5626.9	5305.1	4871.3	4471.8	4202.5	4151.9	4157.3	4151.9	4124.8
5670.2	30°	5883.5	5870.9	5330.4	4706.8	4189.9	3983.8	3987.4	4010.9	4014.5	3996.5
6111.3	32.5°	6304.7	6176.3	5343.1	4493.5	3920.5	3792.2	3795.8	3821.1	3839.2	3808.5
6687.9	35°	6814.4	6532.4	5323.2	4226.0	3712.7	3609.6	3582.5	3589.8	3595.2	3566.3
7387.4	37.5°	7409.1	6931.9	5234.6	3929.6	3541.0	3430.7	3372.9	3324.1	3295.1	3268.0
8179.1	40°	8061.6	7367.5	5071.9	3640.4	3349.4	3240.9	3154.1	3062.0	2964.4	2928.2
9017.8	42.5°	8744.9	7815.8	4874.9	3363.8	3128.8	3040.3	2948.1	2814.3	2667.9	2593.8
9889.0	45°	9453.4	8274.9	4681.5	3090.9	2902.9	2864.9	2758.3	2597.4	2438.4	2344.4
10762.1	47.5°	10147.5	8708.7	4397.7	2816.1	2691.4	2733.0	2649.8	2501.6	2324.5	2176.3
11627.9	50°	10810.9	9115.4	3933.2	2537.8	2519.7	2693.2	2613.7	2400.4	2198.0	2008.2
12477.4	52.5°	11468.8	9444.4	3338.5	2284.7	2427.5	2682.4	2566.7	2331.7	2084.1	1885.3
13276.3	55°	12027.3	9614.3	2765.5	2067.8	2293.8	2590.2	2510.7	2250.4	1923.2	1711.7
13824.0	57.5°	12345.5	9476.9	2288.3	1854.5	2109.4	2438.4	2414.9	2076.9	1731.6	1568.9
13930.7	60°	12208.1	8920.2	1897.9	1668.4	1934.1	2273.9	2248.6	1905.1	1585.2	1431.6
13359.5	62.5°	11450.7	7859.2	1588.8	1505.7	1775.0	2105.8	2082.3	1773.2	1473.1	1324.9
11843.0	65°	9925.2	6393.3	1348.4	1370.1	1614.1	1903.3	1937.7	1662.9	1384.6	1240.0
9162.4	67.5°	7570.0	4630.9	1160.4	1252.6	1456.9	1704.5	1803.9	1583.4	1310.5	1173.1
5301.5	70°	4314.6	2630.0	1001.4	1138.7	1317.7	1520.1	1700.9	1520.1	1230.9	1117.1
1986.5	72.5°	1635.8	1207.4	865.8	1024.9	1183.9	1364.7	1587.0	1420.7	1138.7	1053.8
1026.7	75°	873.0	735.7	728.4	891.1	1030.3	1212.9	1444.2	1323.1	1070.1	1113.4
710.4	77.5°	594.7	520.6	609.1	762.8	862.2	1044.8	1292.4	1174.9	927.3	923.7
491.6	80°	412.1	368.7	495.3	614.6	667.0	878.5	1127.9	1008.6	755.5	704.9
303.7	82.5°	247.6	240.4	370.5	459.1	471.8	677.8	934.5	845.9	618.2	538.6
180.8	85°	135.6	142.8	236.8	269.3	274.7	473.6	732.1	654.3	475.4	399.5
65.1	87.5°	38.0	48.8	86.8	106.6	132.0	245.8	435.6	388.6	238.6	166.3
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°
4455.6
4782.7
4990.6
5050.3
5017.7
4941.8
4837.0
4659.8
4466.4
4343.5
4242.3
4130.2
4005.5
3822.9
3586.1
3286.1
2944.5
2602.9
2337.1
2160.0
1991.9
1863.6
1693.7
1547.2
1409.9
1301.4
1216.5
1151.4
1102.6
1039.3
1149.6
851.3
674.2
542.3
403.1
166.3
0.0

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