

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: McGRAW-EDISON

Report Number: P943269

Luminaire Tested: **GALN-SB7C-930-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7C-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36620 lumens
Efficiency: N/A
Efficacy: 104.5 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

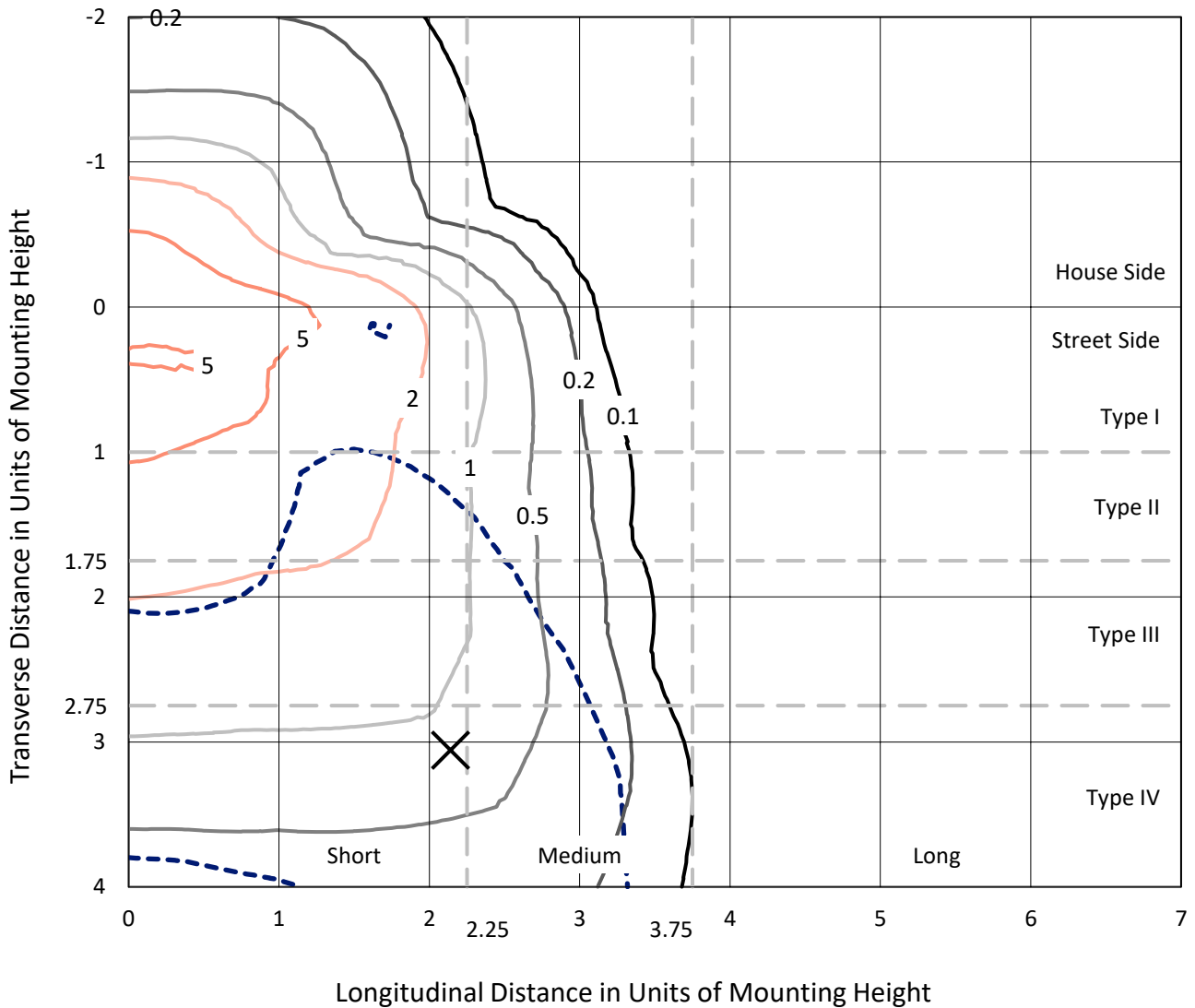
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

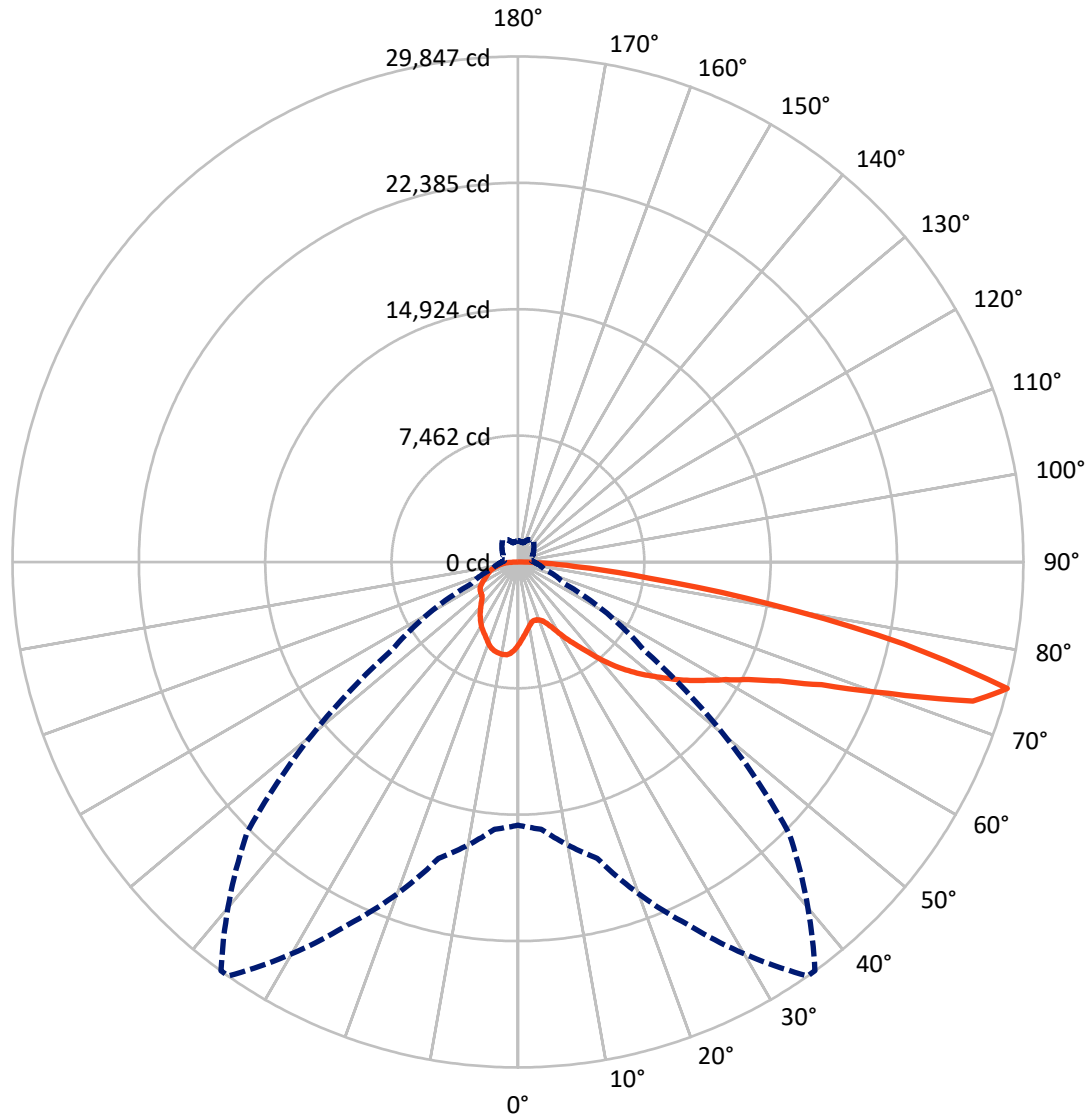
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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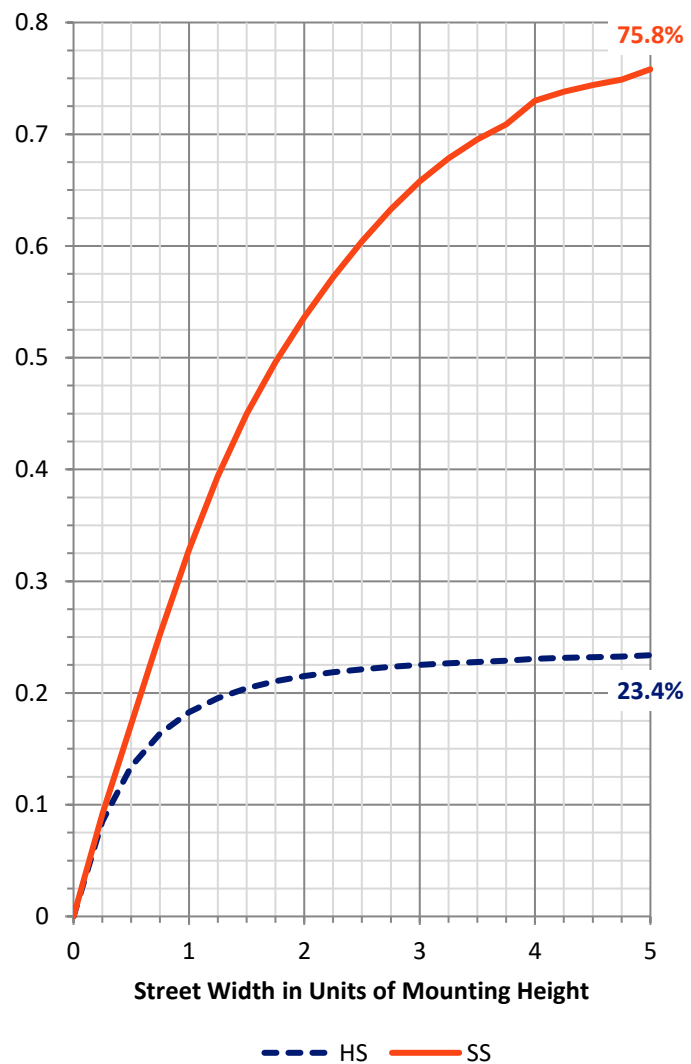
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8714.6	0.0	8714.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27905.4	0.0	27905.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	36620.0	0.0	36620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.0	1.3
10°-20°	1332.7	3.6
20°-30°	2237.9	6.1
30°-40°	3478.0	9.5
40°-50°	5162.3	14.1
50°-60°	7126.9	19.5
60°-70°	8646.6	23.6
70°-80°	7145.7	19.5
80°-90°	1027.8	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°	36620.0	100.0
0°-180°	36620.0	100.0

Coefficient of Utilization



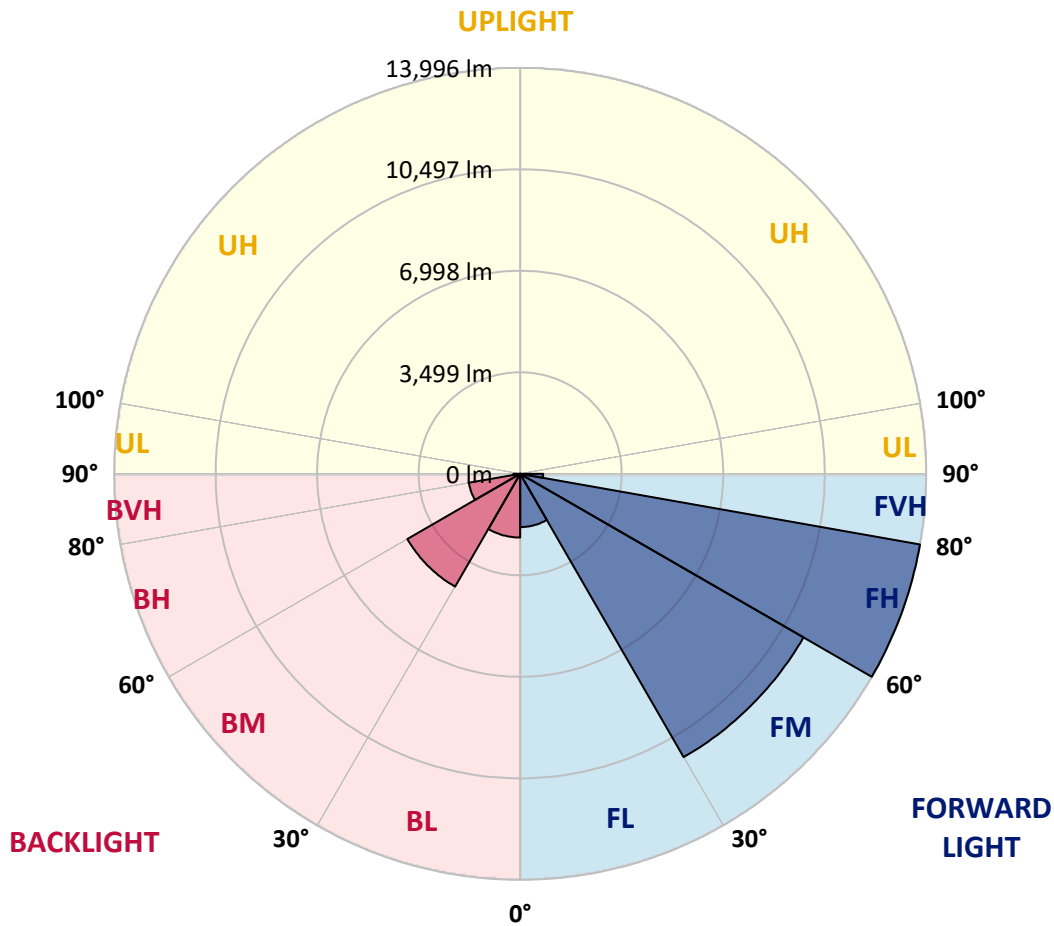
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1836.4	5.0			
FM (30°-60°)	11277.0	30.8			
FH (60°-80°)	13995.6	38.2			G5
FVH (80°-90°)	796.3	2.2			G5
BL (0°-30°)	2196.2	6.0	B3/2500		
BM (30°-60°)	4490.3	12.3	B3/5000		
BH (60°-80°)	1796.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	231.4	0.6			G3/500
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°	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9
2.5°	4499.8	4527.5	4539.4	4533.4	4563.1	4559.2	4600.7	4652.2	4723.5	4792.8
5°	4153.3	4183.0	4208.8	4232.5	4289.9	4307.7	4373.1	4472.1	4602.7	4735.3
7.5°	3830.6	3856.4	3896.0	3939.5	4036.5	4054.3	4163.2	4317.6	4499.8	4693.8
10°	3567.3	3593.1	3634.7	3684.1	3804.9	3826.7	3965.3	4171.1	4408.7	4654.2
12.5°	3454.5	3462.4	3486.2	3535.7	3640.6	3654.5	3806.9	4042.5	4319.6	4624.5
15°	3448.6	3464.4	3466.4	3492.1	3579.2	3585.2	3725.7	3959.3	4264.2	4618.5
17.5°	3508.0	3519.8	3502.0	3517.9	3591.1	3601.0	3711.9	3919.7	4246.4	4644.3
20°	3666.3	3676.2	3622.8	3601.0	3654.5	3662.4	3771.3	3945.5	4264.2	4697.7
22.5°	4002.9	4008.8	3878.2	3789.1	3793.0	3797.0	3892.0	4050.4	4333.5	4794.7
25°	4527.5	4523.5	4315.7	4143.4	4044.4	4022.7	4086.0	4220.6	4450.3	4923.4
27.5°	5141.2	5111.5	4903.6	4646.3	4430.5	4398.8	4384.9	4442.4	4616.6	5093.7
30°	5834.1	5806.3	5582.6	5246.1	4947.2	4895.7	4765.0	4735.3	4864.0	5325.3
32.5°	6594.2	6576.4	6309.2	5901.4	5501.5	5442.1	5222.3	5143.2	5244.1	5675.7
35°	7231.7	7215.9	6994.1	6574.5	6085.5	6012.2	5788.5	5699.4	5750.9	6125.1
37.5°	7807.8	7799.9	7609.8	7279.2	6774.4	6685.3	6433.9	6404.2	6394.3	6717.0
40°	8342.3	8322.5	8124.5	7950.3	7576.2	7495.0	7273.3	7247.5	7172.3	7445.5
42.5°	8934.2	8882.7	8595.7	8514.5	8413.6	8346.2	8213.6	8217.6	8051.3	8267.1
45°	9417.2	9387.5	9092.6	9045.1	9153.9	9126.2	9241.1	9270.7	8948.1	9128.2
47.5°	9935.9	9908.2	9658.8	9625.1	9920.1	9928.0	10333.8	10343.7	9823.1	10023.0
50°	10575.3	10535.8	10288.3	10329.9	10660.5	10690.2	11432.5	11365.2	10628.8	10931.7
52.5°	10997.0	11020.8	10967.3	11034.6	11486.0	11513.7	12513.4	12341.2	11426.6	11828.5
55°	11307.8	11355.3	11521.6	11676.0	12357.0	12384.8	13533.0	13269.7	12087.8	12659.9
57.5°	11707.7	11640.4	11951.2	12252.1	13184.5	13257.8	14524.8	14164.5	12673.8	13376.6
60°	12281.8	12234.3	12475.8	12921.2	14111.0	14227.8	15574.0	14970.2	13103.4	13944.7
62.5°	13445.9	13327.1	13364.7	13758.6	15279.0	15433.4	16757.8	15673.0	13317.2	14166.4
65°	15186.0	14982.1	14792.0	15065.2	16924.1	17076.6	18094.1	16225.3	13238.0	13736.9
67.5°	17377.5	17175.5	16941.9	17199.3	19347.2	19468.0	19743.2	16536.1	12614.4	12081.9
70°	19184.9	19109.7	19388.8	20447.9	23217.5	23221.4	21857.4	16278.7	10905.9	8566.0
72.5°	18945.3	18899.8	20370.7	23645.1	28095.3	27990.4	23858.9	14330.8	7346.5	3864.3
75°	15542.3	15837.3	18115.9	23587.7	29847.3	29833.5	22633.5	9110.4	3038.8	1601.5
77.5°	8334.4	8801.6	11761.2	17415.1	23300.6	23651.0	15912.5	3187.3	1304.6	1025.5
80°	2718.1	3125.9	4687.8	8866.9	15140.4	15075.1	6819.9	1251.1	892.8	726.5
82.5°	1154.1	1201.7	2094.5	4187.0	7770.2	7649.4	2171.7	718.6	627.6	496.9
85°	451.4	504.8	924.5	1936.1	3365.4	3292.2	783.9	356.3	401.9	324.7
87.5°	148.5	180.1	330.6	663.2	1047.2	1009.6	192.0	122.7	174.2	148.5
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°
4879.9	0°	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9
4893.7	2.5°	4921.4	4953.1	4990.7	5046.2	5093.7	5133.3	5174.8	5200.6	5210.5	5240.2
4901.6	5°	4957.1	5026.4	5119.4	5210.5	5299.6	5353.0	5400.5	5424.3	5446.0	5461.9
4923.4	7.5°	5016.5	5105.5	5252.0	5370.8	5446.0	5489.6	5521.3	5513.4	5521.3	5525.2
4947.2	10°	5067.9	5192.6	5366.9	5479.7	5537.1	5539.1	5531.2	5503.5	5489.6	5491.6
4982.8	12.5°	5129.3	5267.9	5455.9	5551.0	5566.8	5523.3	5489.6	5442.1	5424.3	5416.4
5036.3	15°	5212.4	5370.8	5552.9	5588.6	5549.0	5493.6	5436.1	5358.9	5319.3	5287.7
5127.3	17.5°	5313.4	5487.6	5628.2	5602.4	5517.3	5426.2	5333.2	5216.4	5135.2	5101.6
5252.0	20°	5454.0	5610.4	5685.6	5572.7	5444.1	5305.5	5147.1	5004.6	4929.4	4895.7
5410.4	22.5°	5624.2	5774.7	5741.0	5521.3	5339.1	5117.4	4919.5	4814.5	4776.9	4753.2
5614.3	25°	5828.1	5956.8	5780.6	5446.0	5166.9	4868.0	4715.6	4681.9	4664.1	4646.3
5863.8	27.5°	6093.4	6162.7	5810.3	5335.2	4897.7	4602.7	4547.3	4553.2	4547.3	4517.6
6210.2	30°	6443.8	6429.9	5838.0	5155.0	4588.9	4363.2	4367.1	4392.9	4396.8	4377.0
6693.2	32.5°	6905.1	6764.5	5851.9	4921.4	4293.9	4153.3	4157.3	4185.0	4204.8	4171.1
7324.7	35°	7463.3	7154.5	5830.1	4628.4	4066.2	3953.4	3923.7	3931.6	3937.5	3905.9
8090.9	37.5°	8114.6	7592.0	5733.1	4303.8	3878.2	3757.4	3694.0	3640.6	3608.9	3579.2
8958.0	40°	8829.3	8069.1	5554.9	3987.0	3668.3	3549.5	3454.5	3353.5	3246.6	3207.0
9876.5	42.5°	9577.6	8560.1	5339.1	3684.1	3426.8	3329.8	3228.8	3082.3	2922.0	2840.8
10830.7	45°	10353.6	9062.9	5127.3	3385.2	3179.3	3137.8	3021.0	2844.8	2670.6	2567.6
11786.9	47.5°	11113.8	9538.0	4816.5	3084.3	2947.7	2993.2	2902.2	2739.8	2545.8	2383.5
12735.2	50°	11840.3	9983.4	4307.7	2779.4	2759.6	2949.7	2862.6	2629.0	2407.3	2199.4
13665.6	52.5°	12560.9	10343.7	3656.4	2502.3	2658.7	2937.8	2811.1	2553.8	2282.5	2064.8
14540.6	55°	13172.7	10529.8	3028.9	2264.7	2512.2	2836.9	2749.7	2464.7	2106.4	1874.7
15140.4	57.5°	13521.1	10379.4	2506.2	2031.1	2310.3	2670.6	2644.8	2274.6	1896.5	1718.3
15257.2	60°	13370.6	9769.6	2078.6	1827.2	2118.2	2490.4	2462.7	2086.6	1736.2	1567.9
14631.7	62.5°	12541.1	8607.6	1740.1	1649.1	1944.0	2306.3	2280.6	1942.0	1613.4	1451.1
12970.7	65°	10870.3	7002.1	1476.8	1500.6	1767.8	2084.6	2122.2	1821.3	1516.4	1358.0
10034.9	67.5°	8290.8	5071.9	1270.9	1371.9	1595.6	1866.8	1975.7	1734.2	1435.3	1284.8
5806.3	70°	4725.4	2880.4	1096.7	1247.2	1443.2	1664.9	1862.9	1664.9	1348.1	1223.4
2175.6	72.5°	1791.6	1322.4	948.3	1122.5	1296.7	1494.6	1738.1	1556.0	1247.2	1154.1
1124.4	75°	956.2	805.7	797.8	976.0	1128.4	1328.4	1581.7	1449.1	1172.0	1219.5
778.0	77.5°	651.3	570.1	667.1	835.4	944.3	1144.2	1415.5	1286.8	1015.6	1011.6
538.5	80°	451.4	403.9	542.4	673.1	730.5	962.1	1235.3	1104.7	827.5	772.1
332.6	82.5°	271.2	263.3	405.8	502.8	516.7	742.4	1023.5	926.5	677.0	589.9
198.0	85°	148.5	156.4	259.3	295.0	300.9	518.7	801.8	716.6	520.7	437.5
71.3	87.5°	41.6	53.5	95.0	116.8	144.5	269.2	477.1	425.6	261.3	182.1
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°
4879.9
5238.2
5465.8
5531.2
5495.5
5412.4
5297.6
5103.6
4891.7
4757.1
4646.3
4523.5
4386.9
4187.0
3927.6
3599.0
3224.9
2850.7
2559.7
2365.7
2181.6
2041.0
1854.9
1694.6
1544.1
1425.4
1332.3
1261.0
1207.6
1138.3
1259.1
932.4
738.4
593.9
441.5
182.1
0.0

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