

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: P943255

Luminaire Tested: **GALN-SB7C-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32122 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

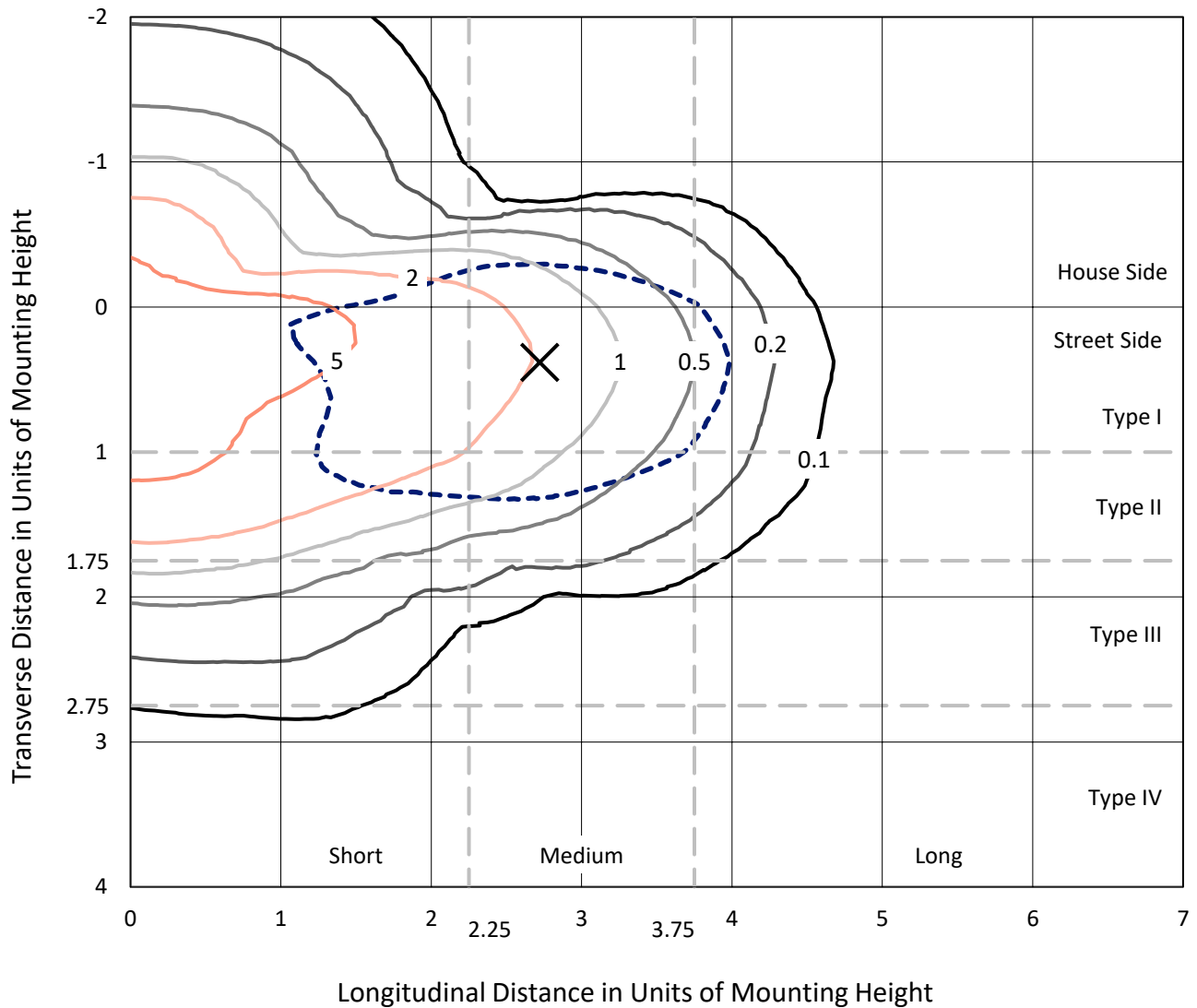
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

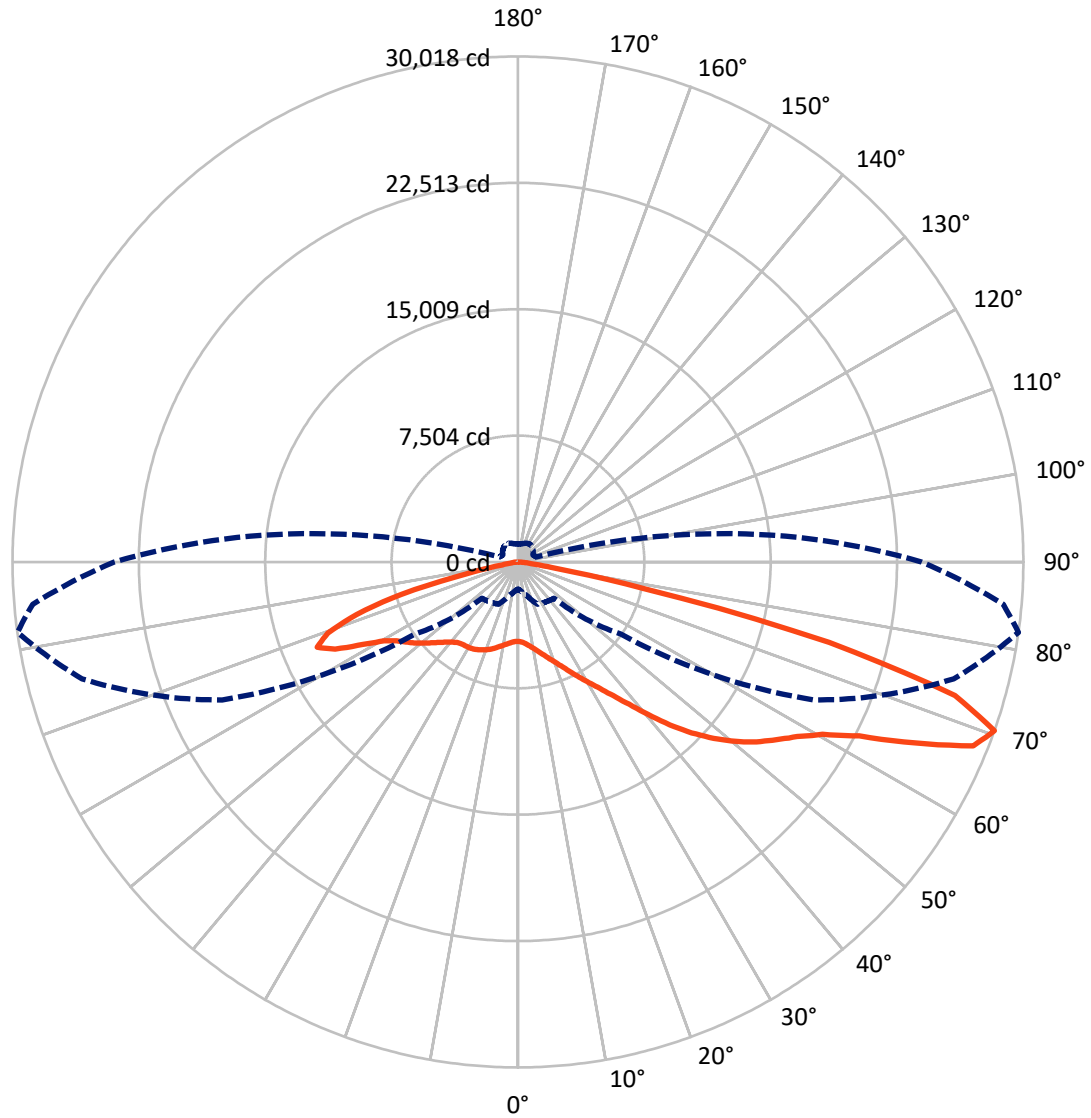
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type 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	7918.9	0.0	7918.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24203.1	0.0	24203.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	32122.0	0.0	32122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.7	1.4
10°-20°	1277.5	4.0
20°-30°	2137.2	6.7
30°-40°	3338.8	10.4
40°-50°	5317.5	16.6
50°-60°	7399.9	23.0
60°-70°	7740.6	24.1
70°-80°	4045.7	12.6
80°-90°	420.1	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°	32122.0	100.0
0°-180°	32122.0	100.0

Coefficient of Utilization

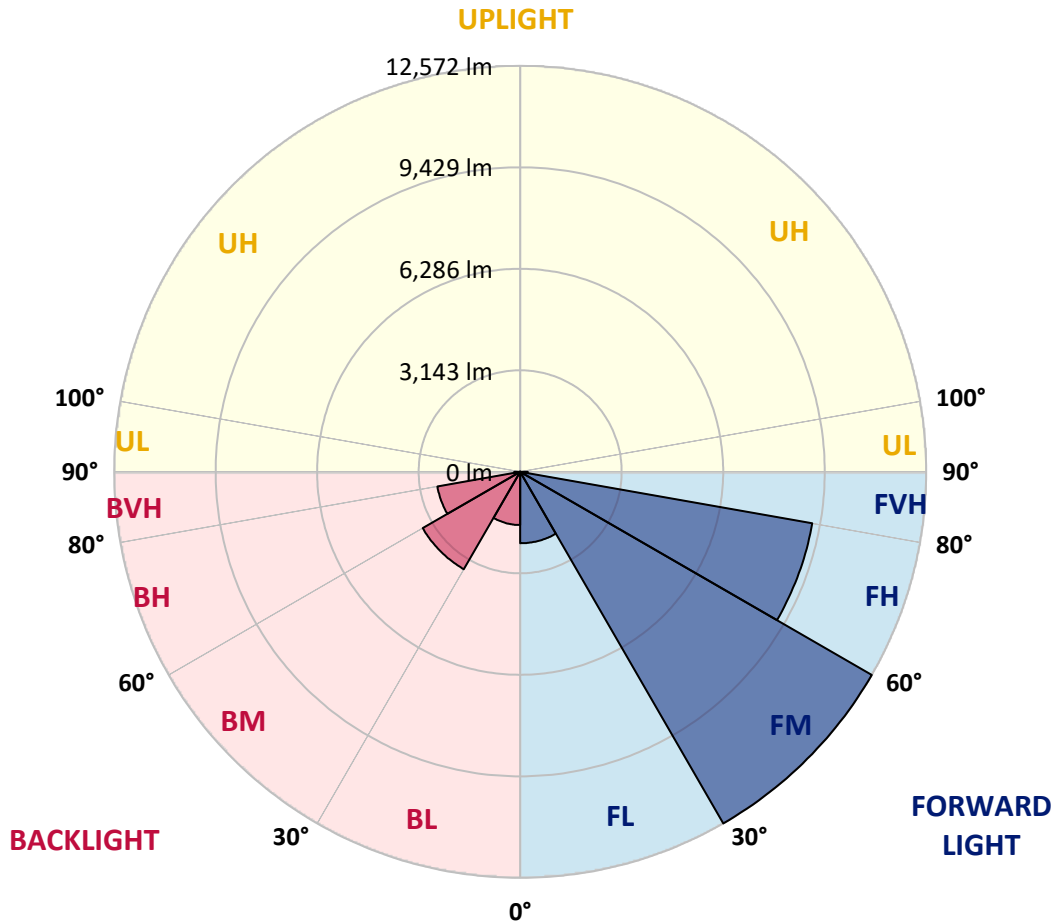


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.0	6.9			
FM (30°-60°)	12572.2	39.1			
FH (60°-80°)	9183.8	28.6			G4/12000
FVH (80°-90°)	235.2	0.7			G3/500
BL (0°-30°)	1647.4	5.1	B3/2500		
BM (30°-60°)	3484.0	10.8	B3/5000		
BH (60°-80°)	2602.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	184.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5
2.5°	4822.0	4849.3	4840.7	4832.2	4832.2	4820.3	4818.6	4801.5	4787.9	4765.7
5°	4883.3	4912.3	4908.9	4915.7	4937.9	4943.0	4948.1	4937.9	4910.6	4883.3
7.5°	4828.8	4861.2	4871.4	4912.3	4980.5	5041.9	5087.9	5106.6	5081.1	5041.9
10°	4644.7	4680.5	4716.3	4813.5	4934.5	5079.4	5202.1	5275.4	5270.3	5232.8
12.5°	4271.4	4308.9	4385.6	4574.8	4796.4	5052.1	5280.5	5433.9	5486.7	5459.5
15°	3973.2	4005.5	4063.5	4257.8	4545.9	4934.5	5309.5	5607.7	5742.4	5727.1
17.5°	3964.6	3978.3	4014.1	4106.1	4327.7	4750.4	5278.8	5778.2	6035.6	6033.9
20°	4114.6	4119.7	4140.2	4158.9	4285.1	4610.6	5200.4	5919.7	6364.5	6364.5
22.5°	4322.6	4319.2	4339.6	4322.6	4383.9	4598.7	5150.9	6044.1	6731.0	6758.3
25°	4634.5	4617.4	4612.3	4573.1	4585.1	4709.5	5205.5	6185.6	7165.6	7221.9
27.5°	5050.4	5023.1	5004.4	4914.0	4883.3	4937.9	5372.5	6356.0	7649.7	7746.9
30°	5592.4	5543.0	5515.7	5358.9	5248.1	5256.6	5624.8	6582.7	8156.0	8312.8
32.5°	6332.2	6255.5	6182.2	5924.8	5721.9	5655.5	5950.4	6896.3	8704.8	8955.4
35°	7160.5	7099.2	7020.8	6623.6	6311.7	6158.3	6390.1	7334.4	9347.4	9744.5
37.5°	7958.2	7905.4	7942.9	7407.7	7005.4	6782.1	6966.2	7922.4	10140.0	10726.3
40°	8783.2	8742.3	8747.4	8236.1	7767.3	7516.8	7665.1	8660.5	11048.5	11893.9
42.5°	9679.8	9649.1	9546.8	9093.4	8566.7	8333.2	8469.6	9512.7	12023.4	13223.4
45°	10683.7	10665.0	10569.5	10049.6	9446.2	9183.8	9367.8	10453.6	13003.5	14474.5
47.5°	11551.3	11566.6	11554.7	11116.6	10491.1	10105.9	10325.8	11435.4	13915.4	15650.6
50°	11968.9	12049.0	12166.6	12030.2	11641.6	11249.6	11292.2	12383.1	14784.7	16753.4
52.5°	11750.7	11902.4	12222.8	12441.0	12591.0	12509.2	12395.0	13323.9	15602.8	17748.8
55°	10937.7	11150.7	11682.5	12209.2	12974.5	13569.4	13719.4	14367.1	16400.5	18624.9
57.5°	9456.5	9802.5	10279.7	11345.0	12633.6	14082.4	15263.6	15814.2	17246.0	19560.6
60°	6916.8	7380.4	7973.6	9558.7	11440.5	13808.0	16577.8	18036.8	18447.6	20772.5
62.5°	4426.5	4712.9	5258.3	6751.5	8914.4	12401.8	16980.1	20815.1	20484.5	22760.0
65°	3030.6	3214.7	3714.1	4552.7	5762.9	9231.5	15902.8	22898.0	23719.6	25909.8
67.5°	2202.2	2342.0	2768.1	3502.7	3755.0	5462.9	12340.5	22802.6	26864.4	29155.2
70°	1605.6	1704.5	2062.4	2768.1	2889.1	3039.1	7475.9	19383.4	26796.2	30017.7
72.5°	1189.7	1257.9	1498.2	2147.6	2338.6	2052.2	3700.4	14087.6	23025.9	27150.7
75°	860.8	911.9	1089.2	1643.1	1871.5	1563.0	1846.0	8232.7	16061.3	19098.7
77.5°	657.9	697.1	813.0	1203.4	1498.2	1172.7	1145.4	3787.4	7615.6	7653.1
80°	528.4	554.0	617.0	847.1	1148.8	877.8	746.6	1528.9	2406.7	2036.9
82.5°	388.6	431.2	521.6	594.9	821.6	605.1	455.1	772.1	915.3	787.5
85°	221.6	250.6	315.3	426.1	525.0	369.9	260.8	342.6	426.1	349.4
87.5°	78.4	102.3	110.8	167.0	228.4	153.4	100.6	98.9	139.8	104.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4709.5	0°	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5	4709.5
4760.6	2.5°	4743.6	4735.1	4701.0	4654.9	4607.2	4561.2	4545.9	4513.5	4491.3	4479.4
4871.4	5°	4839.0	4811.8	4731.6	4629.4	4522.0	4406.1	4324.3	4249.3	4194.7	4143.6
5023.1	7.5°	4975.4	4927.7	4789.6	4610.6	4419.7	4227.1	4083.9	3974.9	3901.6	3853.8
5200.4	10°	5133.9	5060.6	4849.3	4581.7	4286.8	4010.6	3841.9	3748.2	3702.1	3676.6
5403.2	12.5°	5316.3	5212.3	4910.6	4515.2	4083.9	3768.6	3652.7	3625.4	3627.1	3628.8
5658.9	15°	5541.3	5396.4	4960.0	4370.3	3819.7	3582.8	3562.4	3606.7	3652.7	3674.9
5948.6	17.5°	5795.2	5590.7	4968.6	4131.7	3560.7	3463.5	3528.3	3623.7	3693.6	3724.3
6272.5	20°	6068.0	5788.4	4907.2	3794.2	3347.6	3366.4	3482.3	3605.0	3681.7	3720.9
6642.4	22.5°	6379.9	5999.8	4760.6	3439.6	3173.7	3260.7	3397.0	3516.3	3596.5	3635.7
7077.0	25°	6736.1	6236.7	4530.5	3141.4	3023.8	3141.4	3277.7	3376.6	3441.4	3477.1
7562.8	27.5°	7131.6	6483.9	4223.7	2904.4	2892.5	3018.6	3131.1	3207.8	3241.9	3269.2
8079.3	30°	7528.7	6708.8	3852.1	2725.5	2778.3	2897.6	2977.7	3011.8	3022.0	3027.2
8655.4	32.5°	7958.2	6903.2	3461.8	2577.2	2669.2	2780.0	2827.7	2843.1	2795.4	2763.0
9354.2	35°	8478.1	7111.1	3080.0	2459.6	2561.8	2657.3	2672.6	2659.0	2602.7	2536.3
10230.3	37.5°	9120.7	7370.2	2774.9	2376.0	2461.3	2524.3	2505.6	2502.2	2507.3	2428.9
11283.7	40°	9908.2	7707.7	2551.6	2311.3	2379.5	2393.1	2340.3	2369.2	2394.8	2275.5
12439.3	42.5°	10782.6	8115.0	2410.1	2267.0	2311.3	2278.9	2197.1	2229.5	2226.1	2069.2
13600.1	45°	11674.0	8558.2	2360.7	2234.6	2248.2	2183.4	2093.1	2101.6	2030.0	1888.6
14713.1	47.5°	12560.3	9033.8	2391.4	2207.3	2169.8	2096.5	2026.6	1989.1	1883.5	1777.8
15780.1	50°	13429.6	9533.2	2503.9	2152.8	2062.4	2019.8	1968.7	1902.2	1789.7	1699.4
16789.2	52.5°	14235.8	10036.0	2630.0	2062.4	1927.8	1953.3	1921.0	1844.3	1733.5	1641.4
17743.7	55°	14999.5	10538.8	2679.4	1938.0	1801.6	1895.4	1876.6	1735.2	1602.2	1527.2
18742.5	57.5°	15831.2	11143.9	2624.9	1779.5	1699.4	1828.9	1757.3	1600.5	1523.8	1467.6
20043.0	60°	16983.5	12093.3	2507.3	1583.5	1602.2	1730.1	1607.3	1542.6	1459.0	1396.0
21992.9	62.5°	18897.6	13864.3	2318.1	1389.2	1488.0	1583.5	1535.7	1471.0	1385.7	1324.4
25326.9	65°	21727.0	16325.5	1961.9	1237.5	1360.2	1440.3	1459.0	1394.3	1305.6	1240.9
28248.4	67.5°	24113.3	17869.8	1484.6	1111.3	1228.9	1324.4	1377.2	1314.2	1220.4	1157.3
28931.9	70°	23982.1	16748.3	1133.5	986.9	1113.0	1210.2	1278.4	1228.9	1128.4	1068.7
26279.7	72.5°	21300.9	14010.9	917.0	860.8	995.4	1090.9	1172.7	1135.2	1032.9	975.0
19252.1	75°	15648.9	9945.7	732.9	732.9	848.8	966.4	1056.8	1032.9	939.2	898.3
8082.7	77.5°	6596.3	4172.6	574.4	608.5	705.7	830.1	942.6	951.1	869.3	920.4
2137.4	80°	1753.9	1150.5	438.1	479.0	554.0	685.2	819.9	816.4	727.8	680.1
794.3	82.5°	668.2	453.4	311.9	337.5	400.6	525.0	649.4	669.9	581.2	502.8
311.9	85°	257.4	194.3	192.6	202.8	233.5	347.7	490.9	507.9	438.1	371.6
86.9	87.5°	66.5	58.0	71.6	68.2	107.4	185.8	281.2	291.5	267.6	155.1
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°
4709.5
4493.0
4164.1
3864.1
3683.4
3632.3
3673.2
3731.1
3731.1
3645.9
3487.4
3279.4
3039.1
2773.2
2539.7
2434.0
2278.9
2067.5
1893.7
1777.8
1692.6
1643.1
1520.4
1462.4
1392.6
1324.4
1244.3
1159.0
1073.8
975.0
886.3
835.2
632.4
502.8
383.5
221.6
0.0

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