

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: P942257

Luminaire Tested: **GALN-SB6A-935-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-935-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18936 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

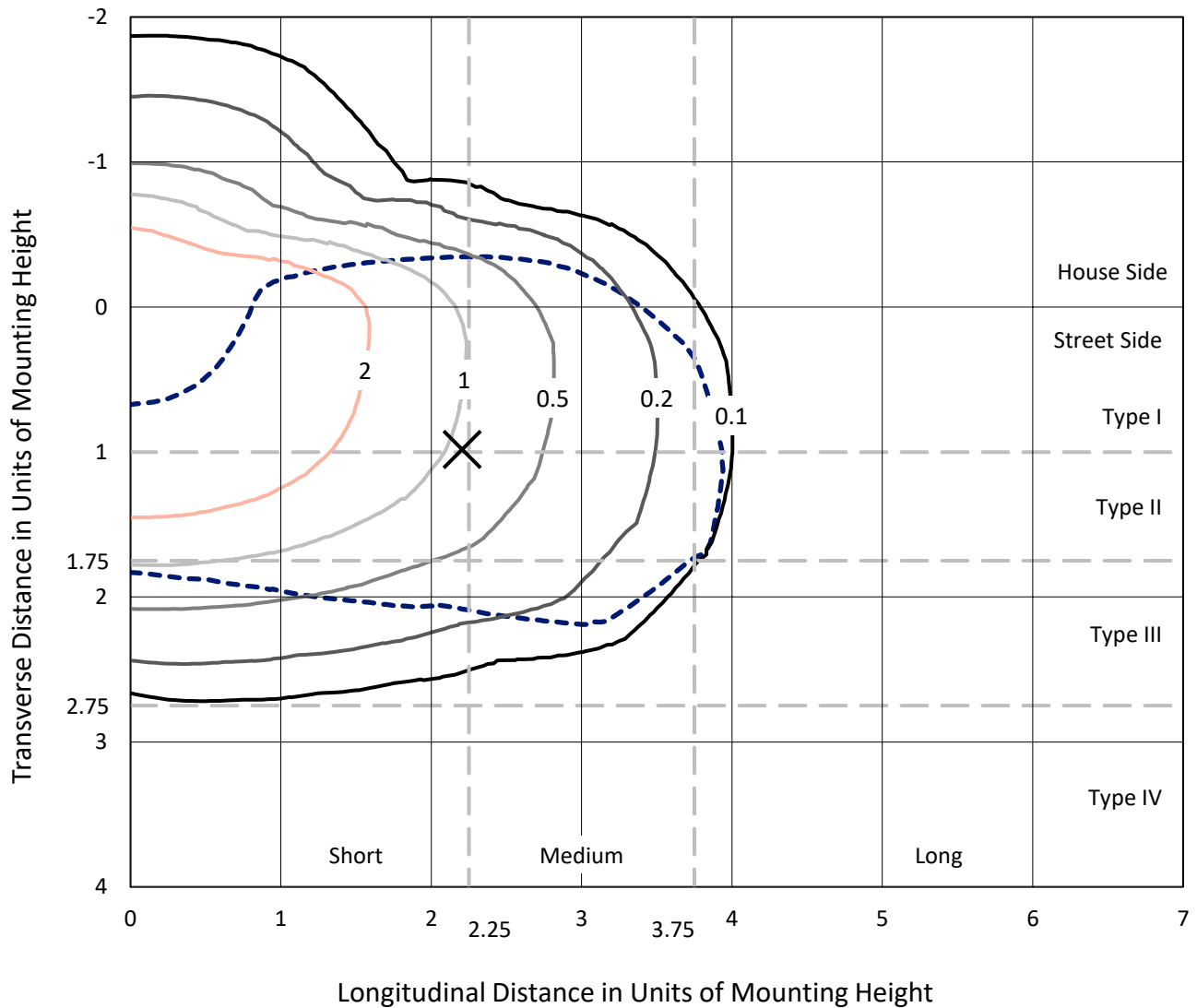
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

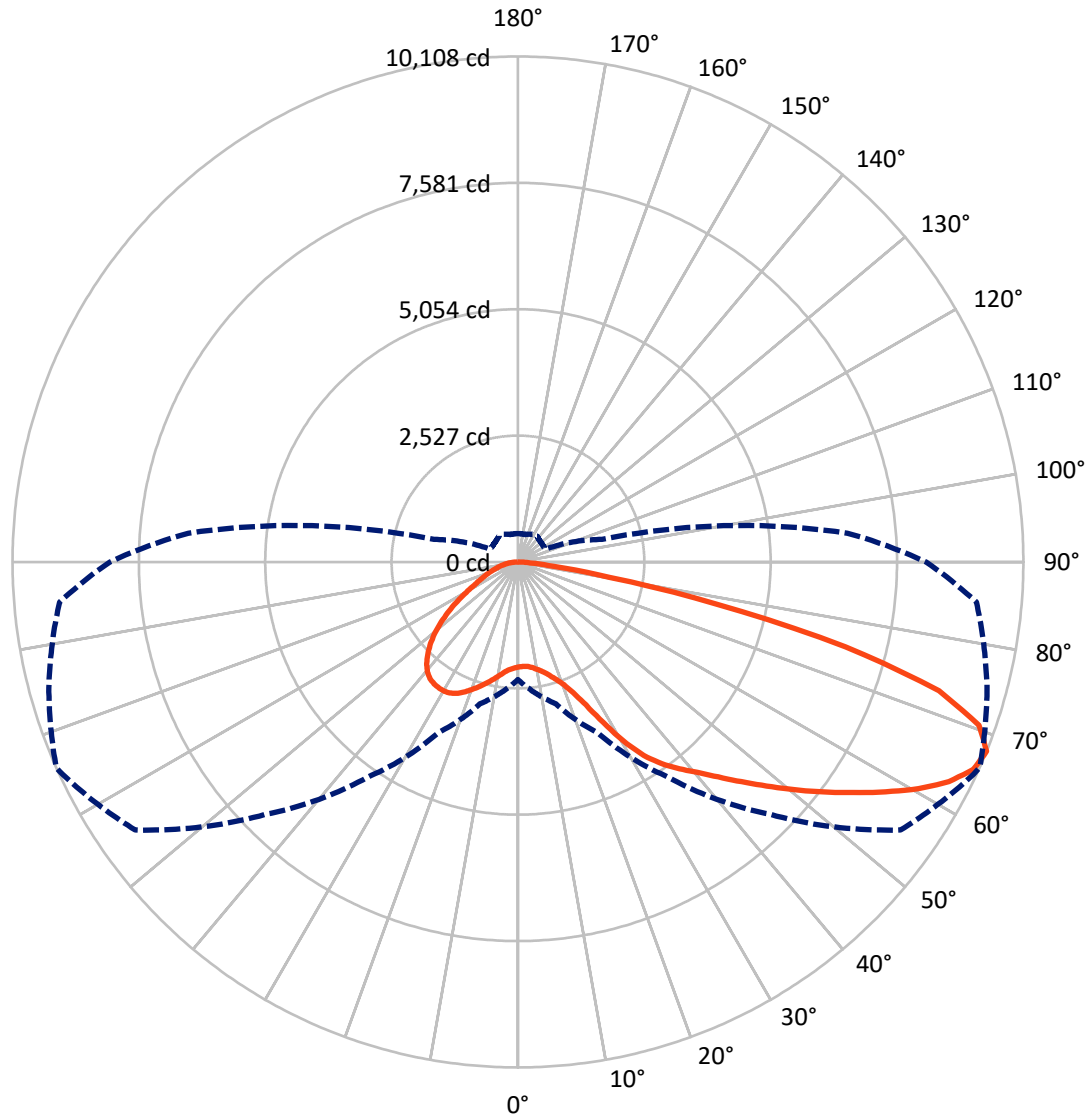
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4708.4	0.0	4708.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14227.6	0.0	14227.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	18936.0	0.0	18936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	1.1
10°-20°	688.0	3.6
20°-30°	1326.0	7.0
30°-40°	2325.0	12.3
40°-50°	3456.5	18.3
50°-60°	4381.5	23.1
60°-70°	4287.2	22.6
70°-80°	2045.0	10.8
80°-90°	218.6	1.2
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°	18936.0	100.0
0°-180°	18936.0	100.0

Coefficient of Utilization



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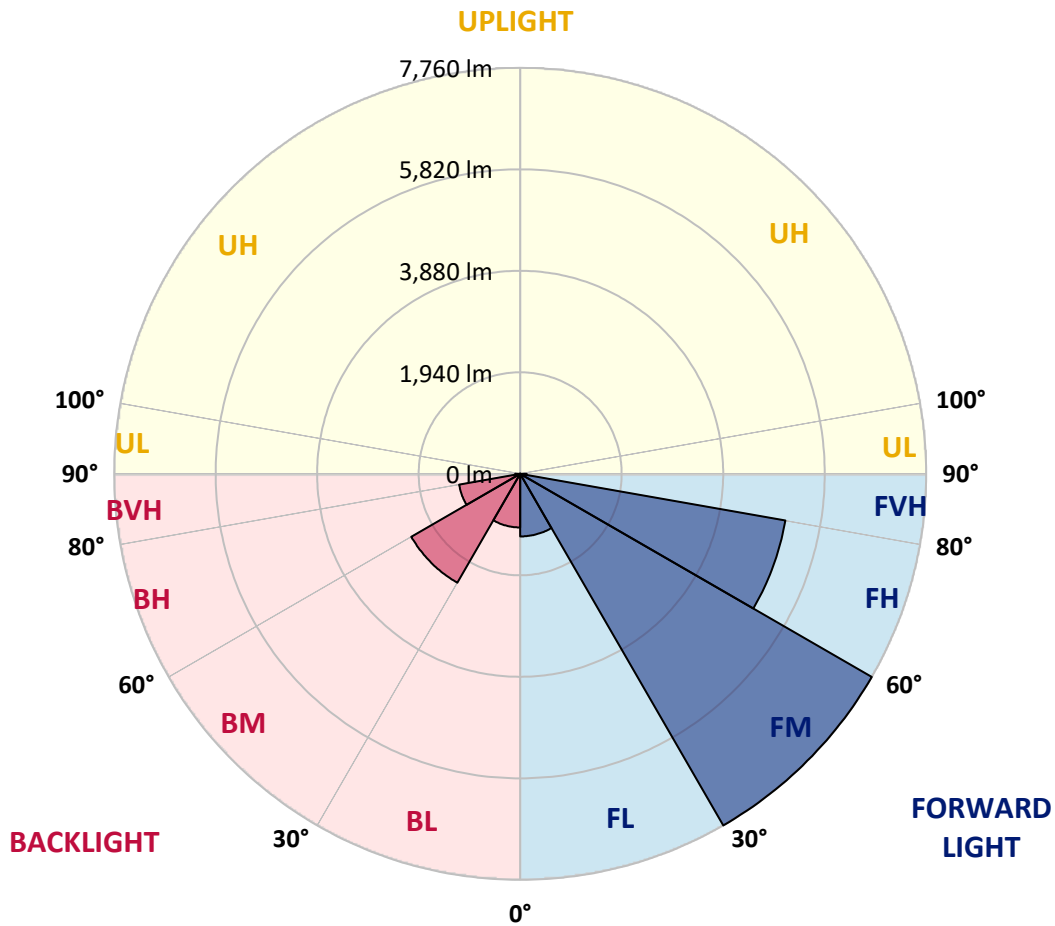
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1196.6	6.3			
FM (30°-60°)	7759.8	41.0			
FH (60°-80°)	5147.3	27.2			G3/7500
FVH (80°-90°)	123.9	0.7			G2/225
BL (0°-30°)	1025.7	5.4	B3/2500		
BM (30°-60°)	2403.2	12.7	B2/2500		
BH (60°-80°)	1184.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	94.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3
2.5°	2078.4	2090.3	2087.3	2082.3	2081.3	2083.3	2086.3	2089.3	2088.3	2093.3
5°	2072.4	2084.3	2083.3	2083.3	2087.3	2095.3	2100.3	2105.2	2100.3	2106.2
7.5°	2076.4	2085.3	2089.3	2093.3	2103.2	2118.2	2130.1	2141.0	2135.1	2142.0
10°	2127.1	2134.1	2138.1	2138.1	2145.0	2161.9	2173.9	2193.8	2188.8	2199.7
12.5°	2219.6	2226.6	2226.6	2222.6	2227.6	2238.5	2242.5	2264.4	2255.5	2273.4
15°	2333.1	2347.0	2336.0	2329.1	2331.1	2342.0	2341.0	2357.9	2349.0	2363.9
17.5°	2458.4	2476.3	2458.4	2457.4	2453.4	2465.4	2466.4	2481.3	2465.4	2476.3
20°	2606.7	2631.5	2616.6	2621.6	2612.6	2617.6	2622.6	2644.5	2619.6	2627.6
22.5°	2815.6	2845.4	2829.5	2848.4	2842.5	2838.5	2837.5	2876.3	2837.5	2840.5
25°	3120.0	3155.9	3128.0	3153.9	3153.9	3166.8	3181.7	3231.5	3166.8	3147.9
27.5°	3569.7	3605.5	3550.8	3566.7	3561.8	3593.6	3577.7	3701.1	3631.4	3600.6
30°	4111.0	4174.6	4071.2	4067.2	4062.2	4113.0	4135.8	4217.4	4146.8	4115.9
32.5°	4696.0	4762.6	4639.3	4603.4	4584.5	4615.4	4596.5	4662.1	4613.4	4565.6
35°	5314.8	5380.5	5263.1	5193.4	5117.8	5053.1	4985.5	5002.4	4956.6	4884.0
37.5°	5899.8	6020.2	5895.8	5821.2	5681.9	5555.6	5366.5	5287.9	5245.2	5178.5
40°	6495.8	6564.4	6469.9	6406.2	6255.0	6057.0	5754.6	5588.4	5530.7	5466.0
42.5°	6934.5	7000.2	6949.4	6905.7	6787.3	6557.4	6166.4	5958.5	5874.9	5802.3
45°	7282.7	7331.5	7299.6	7315.6	7264.8	7042.0	6593.3	6355.5	6268.9	6180.4
47.5°	7423.0	7474.8	7525.5	7620.0	7706.6	7542.4	7051.9	6785.3	6693.7	6603.2
50°	7407.1	7459.8	7607.1	7808.0	8076.7	8022.0	7535.4	7242.9	7158.4	7054.9
52.5°	7279.7	7339.4	7528.5	7862.8	8290.6	8381.1	8027.9	7715.5	7635.9	7512.6
55°	6945.5	6981.3	7264.8	7738.4	8341.3	8631.8	8510.5	8218.9	8139.3	7967.2
57.5°	6325.6	6377.4	6790.3	7403.1	8214.0	8802.0	8934.3	8748.2	8671.6	8423.9
60°	5516.8	5599.3	6071.9	6840.0	7889.6	8801.0	9319.3	9268.6	9204.9	8873.6
62.5°	4601.5	4697.0	5151.6	6044.1	7322.5	8551.2	9560.1	9704.3	9671.5	9288.5
65°	3533.9	3599.6	4052.3	5014.3	6440.0	8015.0	9587.9	10001.8	10007.8	9603.9
67.5°	2353.0	2542.0	2935.0	3762.7	5258.1	7138.5	9343.2	10050.6	10108.3	9712.3
70°	1148.1	1396.9	1781.9	2445.5	3762.7	5794.3	8703.5	9650.6	9779.0	9395.9
72.5°	476.6	557.1	767.1	1206.8	2159.9	3910.0	7418.0	8566.2	8803.9	8325.4
75°	321.4	348.2	438.8	618.8	984.0	1928.1	5349.6	6387.3	6770.4	6287.8
77.5°	247.7	264.6	319.4	432.8	585.0	729.3	2863.3	3849.3	4047.3	3746.8
80°	195.0	207.9	238.8	315.4	414.9	390.0	976.0	1744.1	1858.5	1559.0
82.5°	169.1	174.1	171.1	213.9	275.6	227.8	320.4	643.7	710.4	515.4
85°	122.4	136.3	142.3	132.3	146.3	115.4	131.3	227.8	250.7	223.9
87.5°	49.7	73.6	90.5	85.6	53.7	32.8	40.8	66.7	76.6	83.6
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°
2100.3	0°	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3	2100.3
2101.2	2.5°	2102.2	2109.2	2114.2	2120.2	2124.1	2130.1	2142.0	2149.0	2150.0	2155.0
2117.2	5°	2121.1	2131.1	2142.0	2158.0	2175.9	2190.8	2213.7	2229.6	2235.6	2240.5
2156.0	7.5°	2161.9	2175.9	2195.8	2223.6	2249.5	2269.4	2297.2	2316.1	2335.1	2342.0
2217.7	10°	2222.6	2242.5	2271.4	2309.2	2337.0	2362.9	2391.8	2407.7	2426.6	2434.5
2291.3	12.5°	2298.2	2319.1	2356.9	2409.7	2435.5	2453.4	2463.4	2459.4	2463.4	2470.4
2379.8	15°	2384.8	2407.7	2450.5	2507.2	2525.1	2509.2	2487.3	2467.4	2464.4	2466.4
2487.3	17.5°	2487.3	2504.2	2553.9	2601.7	2588.8	2523.1	2475.3	2443.5	2427.6	2422.6
2624.6	20°	2630.5	2630.5	2671.3	2701.2	2614.6	2503.2	2428.6	2376.8	2344.0	2330.1
2811.6	22.5°	2804.6	2788.7	2814.6	2793.7	2609.6	2447.5	2344.0	2254.5	2204.7	2184.8
3073.3	25°	3025.5	3006.6	2999.7	2870.3	2573.8	2358.9	2190.8	2082.3	2038.6	2027.6
3450.3	27.5°	3358.8	3311.1	3220.5	2912.1	2508.2	2219.6	2011.7	1911.2	1886.3	1887.3
3934.9	30°	3802.5	3707.0	3485.2	2919.1	2400.7	2022.6	1828.6	1757.0	1745.1	1750.0
4341.8	32.5°	4213.4	4122.9	3755.8	2887.2	2235.6	1829.6	1664.5	1616.7	1598.8	1604.8
4652.2	35°	4535.8	4510.9	4006.5	2842.5	2032.6	1648.6	1517.2	1476.4	1441.6	1433.7
4944.7	37.5°	4840.2	4830.3	4194.5	2779.8	1831.6	1520.2	1398.8	1345.1	1294.4	1266.5
5268.0	40°	5174.5	5164.6	4317.9	2683.3	1653.5	1408.8	1292.4	1221.7	1159.1	1108.3
5634.2	42.5°	5550.6	5491.9	4376.6	2545.0	1502.3	1314.3	1205.8	1110.3	1027.7	981.0
6048.1	45°	5961.5	5829.2	4375.6	2368.9	1375.0	1227.7	1113.3	978.0	901.4	857.6
6472.9	47.5°	6397.3	6151.5	4321.9	2173.9	1251.6	1132.2	970.0	866.6	815.8	789.0
6934.5	50°	6847.0	6453.0	4230.4	1950.0	1125.2	1023.8	880.5	809.9	771.1	746.2
7392.2	52.5°	7269.8	6726.6	4119.9	1696.3	996.9	918.3	840.7	786.0	745.2	717.3
7835.9	55°	7662.8	6962.4	3963.7	1436.6	892.4	847.7	821.8	776.0	729.3	696.4
8286.6	57.5°	8012.0	7115.6	3694.1	1192.9	817.8	798.9	801.9	759.1	705.4	677.5
8730.3	60°	8302.5	7228.0	3295.1	967.1	757.1	751.2	771.1	727.3	664.6	632.8
9105.4	62.5°	8476.6	7226.0	2805.6	791.9	705.4	707.4	730.3	687.5	623.8	594.0
9301.4	65°	8461.7	7048.9	2268.4	677.5	655.6	657.6	687.5	643.7	590.0	572.1
9202.9	67.5°	8162.2	6617.1	1740.1	602.9	600.9	609.9	644.7	613.9	569.1	567.1
8615.9	70°	7351.4	5720.7	1253.6	543.2	544.2	557.1	602.9	595.0	558.1	562.1
7243.9	72.5°	5894.8	4361.7	841.7	480.5	481.5	502.4	563.1	580.0	547.2	599.9
5139.7	75°	3925.9	2720.1	541.2	413.9	414.9	441.7	528.3	551.2	517.4	597.9
2674.3	77.5°	1886.3	1222.7	392.0	348.2	348.2	373.1	456.7	493.5	440.7	464.6
859.6	80°	651.7	459.6	308.4	280.6	274.6	291.5	385.0	427.8	380.1	350.2
280.6	82.5°	256.7	238.8	247.7	217.9	198.0	208.9	299.5	353.2	279.6	252.7
158.2	85°	147.2	155.2	175.1	144.3	114.4	128.3	219.9	253.7	210.9	186.0
51.7	87.5°	39.8	54.7	80.6	74.6	51.7	54.7	104.5	140.3	121.4	93.5
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°
2100.3
2154.0
2239.5
2343.0
2438.5
2472.3
2473.3
2429.6
2327.1
2181.8
2029.6
1890.3
1767.0
1612.7
1439.6
1267.5
1113.3
984.0
855.6
783.0
737.2
705.4
683.5
659.6
618.8
585.0
571.1
570.1
561.1
607.9
602.9
425.8
328.3
251.7
190.0
96.5
0.0

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