

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: P952041

Luminaire Tested: **GALN-SB6A-735-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-735-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26585 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

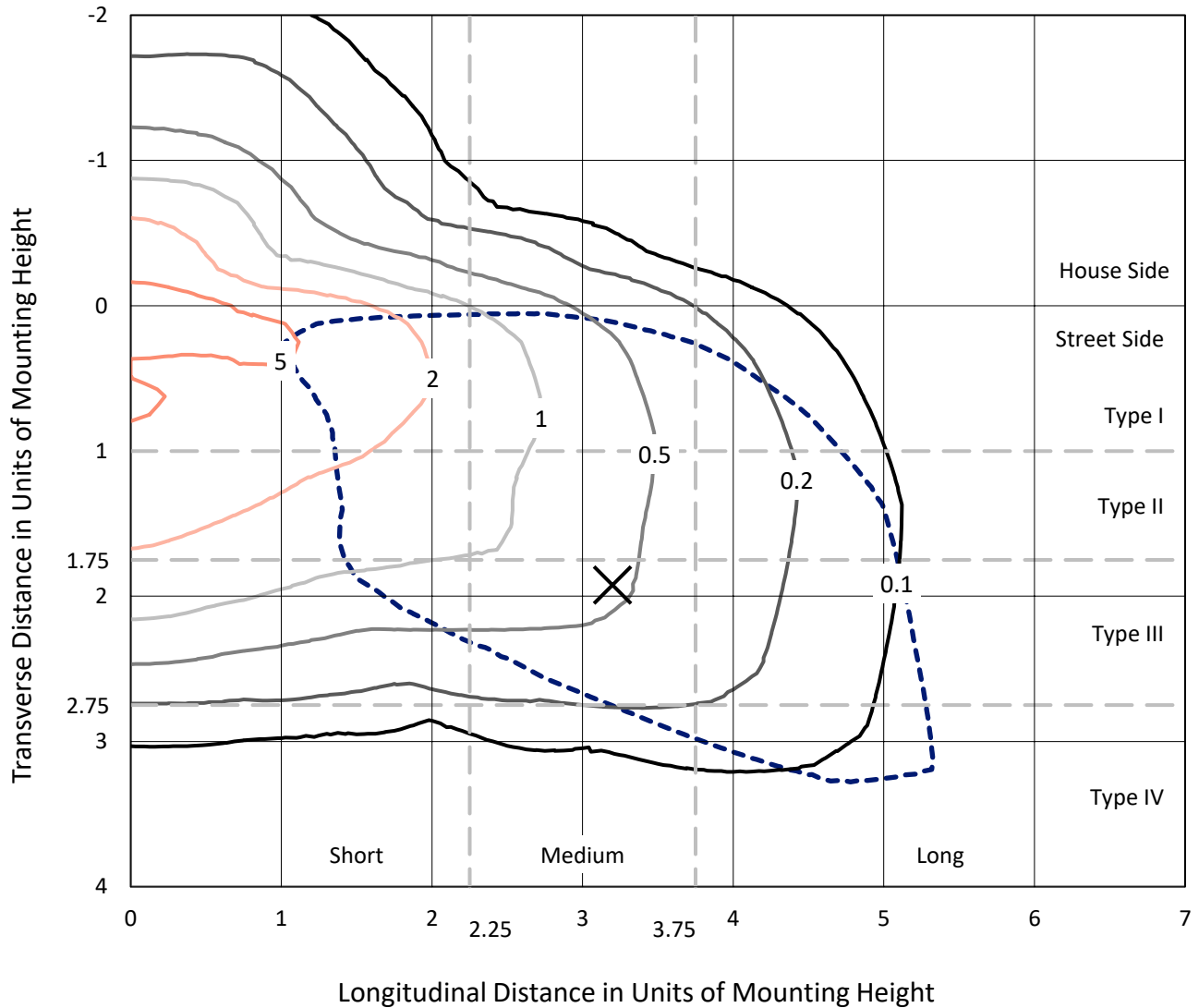
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

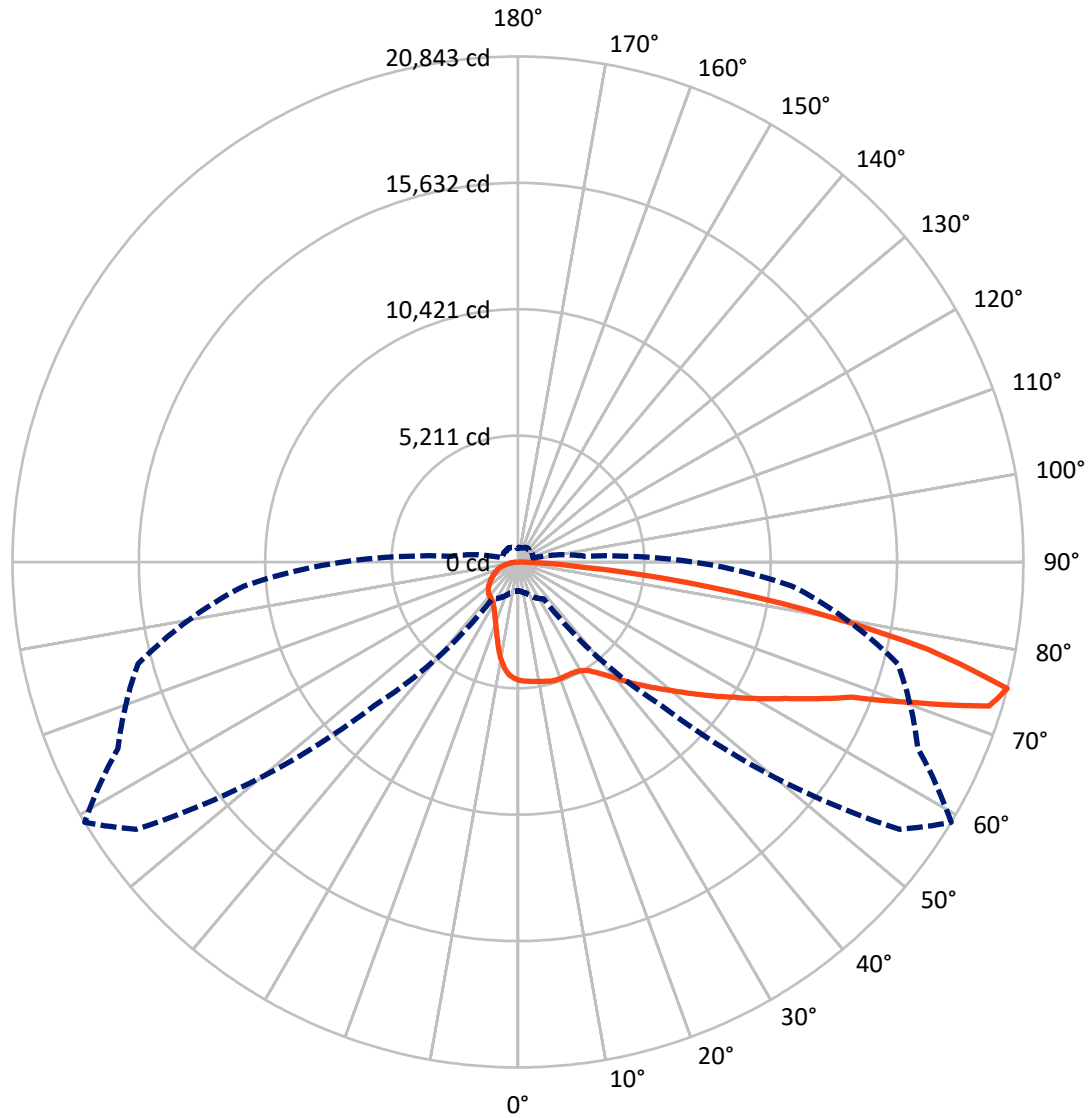
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4986.2	0.0	4986.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	21598.8	0.0	21598.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	26585.0	0.0	26585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	1.6
10°-20°	1118.4	4.2
20°-30°	1698.7	6.4
30°-40°	2525.1	9.5
40°-50°	3755.3	14.1
50°-60°	5097.3	19.2
60°-70°	6223.0	23.4
70°-80°	4883.7	18.4
80°-90°	846.0	3.2
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°	26585.0	100.0
0°-180°	26585.0	100.0

Coefficient of Utilization



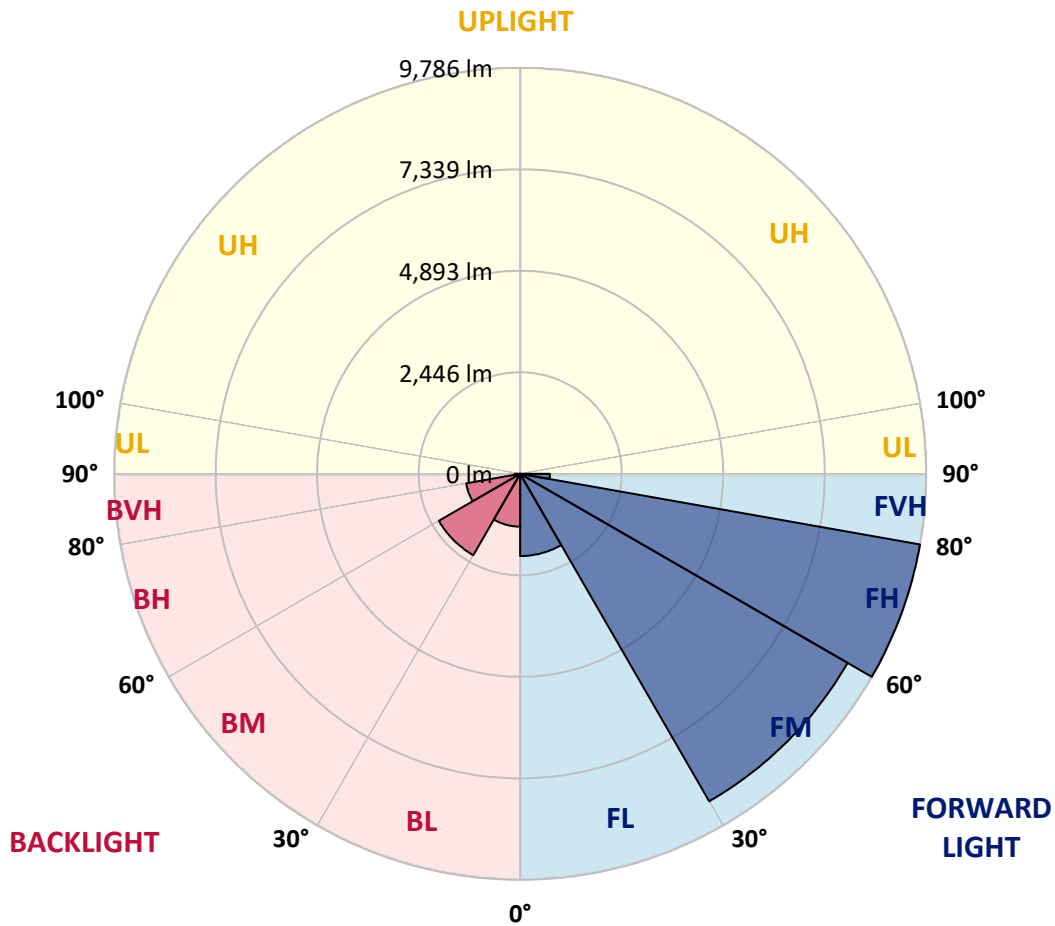
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1982.2	7.5			
FM (30°-60°)	9114.4	34.3			
FH (60°-80°)	9785.7	36.8			G4/12000
FVH (80°-90°)	716.5	2.7			G4/750
BL (0°-30°)	1272.4	4.8	B3/2500		
BM (30°-60°)	2263.2	8.5	B2/2500		
BH (60°-80°)	1321.0	5.0	B3/2500		G3/2500
BVH (80°-90°)	129.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6
2.5°	4921.1	4903.9	4921.1	4913.9	4911.1	4905.4	4906.8	4916.8	4911.1	4918.2
5°	4888.2	4878.2	4895.3	4891.1	4909.7	4912.5	4931.1	4942.5	4949.7	4951.1
7.5°	4833.9	4823.8	4848.2	4868.2	4908.2	4919.7	4958.3	4976.9	4986.9	5004.0
10°	4635.1	4630.8	4690.8	4766.6	4861.0	4919.7	4978.3	5009.8	5025.5	5071.3
12.5°	4283.3	4289.0	4367.6	4513.5	4702.3	4891.1	5001.2	5046.9	5071.3	5128.5
15°	3947.2	3945.7	4031.5	4187.4	4452.0	4765.2	5012.6	5091.3	5132.8	5217.1
17.5°	3752.7	3747.0	3807.0	3925.7	4171.7	4572.1	4984.0	5115.6	5204.3	5310.1
20°	3716.9	3705.5	3736.9	3795.6	3970.1	4360.5	4909.7	5115.6	5261.5	5398.8
22.5°	3847.1	3828.5	3815.6	3808.4	3885.7	4186.0	4825.3	5098.4	5345.8	5526.0
25°	4108.8	4080.2	4014.4	3950.0	3927.1	4107.3	4750.9	5094.1	5471.7	5697.7
27.5°	4532.1	4496.3	4363.3	4208.9	4070.2	4147.4	4718.0	5119.9	5610.4	5879.3
30°	5057.0	5018.3	4851.0	4613.6	4364.8	4296.1	4759.5	5195.7	5787.8	6121.0
32.5°	5527.5	5484.6	5341.6	5099.9	4763.8	4553.5	4891.1	5340.1	6066.6	6457.1
35°	5945.1	5895.0	5766.3	5543.2	5252.9	4915.4	5128.5	5596.1	6462.8	7003.4
37.5°	6354.1	6295.5	6155.3	5919.3	5716.2	5397.3	5456.0	5925.0	6989.1	7666.9
40°	6811.7	6727.4	6557.2	6324.1	6126.7	5962.2	5886.4	6328.3	7523.9	8407.8
42.5°	7255.1	7175.0	6971.9	6773.1	6525.7	6478.5	6385.5	6800.3	8108.9	9221.5
45°	7732.7	7636.9	7390.9	7139.2	6983.3	6821.7	6868.9	7272.2	8682.3	10051.0
47.5°	8180.4	8073.1	7782.8	7502.5	7416.7	7110.6	7312.3	7791.4	9278.7	10891.9
50°	8422.1	8316.2	8074.5	7821.4	7754.2	7466.7	7792.8	8362.0	9903.7	11730.0
52.5°	8623.7	8509.3	8193.2	8053.1	8033.1	7854.3	8384.9	9014.1	10528.6	12470.8
55°	8838.2	8710.9	8307.6	8181.8	8273.3	8289.1	9087.1	9753.5	11189.4	13193.0
57.5°	9085.6	8924.0	8417.8	8290.5	8507.9	8798.2	9893.7	10520.1	11838.6	13862.3
60°	9318.8	9155.7	8629.4	8463.5	8761.0	9388.8	10819.0	11448.2	12573.7	14458.7
62.5°	9364.5	9230.1	8798.2	8796.8	9104.2	10078.2	11914.4	12385.0	13215.9	15047.9
65°	8572.2	8487.8	8231.9	8783.9	9596.2	11070.7	13134.4	13583.4	14032.5	15562.7
67.5°	6524.3	6535.7	6517.1	7582.6	9198.6	12496.5	14900.6	14866.2	15040.7	16140.5
70°	2983.3	3050.5	3488.1	5234.3	7369.5	12661.0	17820.9	17376.1	16306.4	16888.5
72.5°	1611.8	1663.2	1842.0	2535.6	4430.6	11256.6	20003.3	20319.3	17989.7	17391.9
75°	1182.7	1211.3	1335.7	1611.8	1860.6	8366.3	19221.0	20842.8	18199.9	16217.7
77.5°	885.3	898.1	999.7	1277.1	952.5	4410.5	15358.2	17261.7	15579.9	13324.6
80°	642.1	656.4	732.2	958.2	667.9	1613.2	10545.8	12116.1	10670.2	8493.6
82.5°	443.3	449.1	482.0	652.1	466.2	626.4	5983.7	7104.9	5956.5	2980.4
85°	267.4	274.6	288.9	380.4	264.6	297.5	2582.8	2671.5	1780.5	712.2
87.5°	110.1	117.3	128.7	160.2	104.4	82.9	426.2	534.9	333.2	208.8
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°
4879.6	0°	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6	4879.6
4893.9	2.5°	4886.8	4876.8	4849.6	4812.4	4778.1	4735.2	4716.6	4700.9	4686.5	4659.4
4932.5	5°	4916.8	4889.6	4816.7	4722.3	4615.0	4497.8	4383.4	4304.7	4237.5	4187.4
4976.9	7.5°	4962.6	4911.1	4778.1	4585.0	4339.0	4087.3	3859.9	3698.3	3576.8	3532.4
5039.8	10°	5009.8	4948.3	4716.6	4376.2	3951.5	3563.9	3262.1	3096.2	2999.0	2967.5
5114.2	12.5°	5065.5	4975.4	4620.8	4085.9	3518.1	3093.4	2830.2	2733.0	2682.9	2665.8
5205.7	15°	5147.1	4998.3	4476.3	3722.6	3104.8	2750.1	2580.0	2512.7	2487.0	2485.6
5300.1	17.5°	5208.5	5002.6	4251.8	3333.6	2787.3	2542.8	2402.6	2376.9	2394.0	2419.8
5393.0	20°	5277.2	4964.0	3957.2	2979.0	2564.2	2361.2	2302.5	2319.7	2361.2	2398.3
5516.0	22.5°	5325.8	4893.9	3601.1	2703.0	2371.2	2256.8	2253.9	2289.6	2312.5	2331.1
5660.5	25°	5368.7	4775.2	3223.5	2471.3	2212.4	2193.8	2225.3	2213.8	2198.1	2213.8
5804.9	27.5°	5400.2	4587.9	2886.0	2268.2	2100.9	2150.9	2132.3	2106.6	2105.2	2113.7
5975.1	30°	5390.2	4337.6	2608.6	2075.1	2022.2	2070.8	2026.5	2022.2	2017.9	2022.2
6231.1	32.5°	5390.2	4053.0	2395.5	1942.1	1972.2	1953.6	1949.3	1939.3	1922.1	1920.7
6578.6	35°	5420.2	3768.4	2212.4	1870.6	1930.7	1886.3	1889.2	1864.9	1829.1	1812.0
7039.1	37.5°	5481.7	3539.6	2030.8	1836.3	1857.7	1856.3	1844.9	1803.4	1740.5	1686.1
7614.0	40°	5630.4	3472.4	1906.4	1820.6	1823.4	1840.6	1810.5	1730.5	1587.4	1498.8
8197.5	42.5°	5863.5	3585.3	1879.2	1781.9	1800.5	1817.7	1759.1	1573.1	1471.6	1418.7
8809.6	45°	6159.6	3782.7	1937.8	1726.2	1746.2	1776.2	1601.8	1513.1	1467.3	1468.7
9416.0	47.5°	6534.3	3990.1	2046.5	1677.5	1667.5	1684.7	1497.4	1443.0	1380.1	1395.8
9998.1	50°	6967.6	4200.3	2149.5	1611.8	1580.3	1524.5	1430.1	1378.6	1298.6	1261.4
10560.1	52.5°	7436.7	4403.4	2191.0	1531.7	1485.9	1421.6	1384.4	1321.4	1224.2	1162.7
11090.7	55°	7881.5	4587.9	2145.2	1435.9	1391.5	1341.5	1335.7	1297.1	1192.7	1106.9
11562.6	57.5°	8301.9	4742.3	2030.8	1338.6	1295.7	1265.7	1304.3	1285.7	1154.1	1044.0
12008.8	60°	8658.0	4848.2	1864.9	1239.9	1209.9	1194.2	1252.8	1247.1	1099.8	976.8
12409.3	62.5°	8941.2	4889.6	1681.8	1145.5	1138.4	1109.8	1181.3	1181.3	1031.1	911.0
12761.1	65°	9162.9	4849.6	1495.9	1052.6	1066.9	1024.0	1094.1	1085.5	958.2	852.4
13165.8	67.5°	9358.8	4718.0	1290.0	961.1	993.9	939.6	1002.5	982.5	878.1	793.7
13516.2	70°	9446.0	4412.0	1055.4	869.5	909.6	856.7	911.0	873.8	788.0	730.8
13131.5	72.5°	8745.3	3666.9	830.9	773.7	808.0	765.1	812.3	769.4	690.8	665.0
11339.5	75°	7235.0	2751.6	639.3	669.3	695.0	662.2	693.6	662.2	590.6	609.2
8376.3	77.5°	5254.3	1857.7	489.1	559.2	570.6	553.5	580.6	544.9	480.5	476.2
4174.6	80°	2612.9	1088.3	383.3	441.9	437.6	426.2	457.6	440.5	386.1	409.0
1126.9	82.5°	756.5	466.2	278.9	310.3	301.8	304.6	327.5	336.1	503.4	499.1
350.4	85°	237.4	183.1	167.3	173.0	164.5	168.8	193.1	383.3	354.7	207.4
108.7	87.5°	61.5	62.9	41.5	44.3	45.8	54.3	61.5	233.1	111.6	72.9
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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<u>180°</u>
4879.6
4646.5
4146.0
3455.2
2918.9
2670.1
2491.3
2429.8
2411.2
2341.1
2223.9
2128.0
2037.9
1939.3
1829.1
1704.7
1510.2
1418.7
1475.9
1435.9
1271.4
1161.3
1106.9
1038.3
972.5
906.7
846.6
788.0
719.4
643.6
556.3
454.8
404.7
510.6
224.5
77.2
0.0

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