

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: P956514

Luminaire Tested: **GALN-SB9A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956514
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-SB9A-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 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: 24306 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

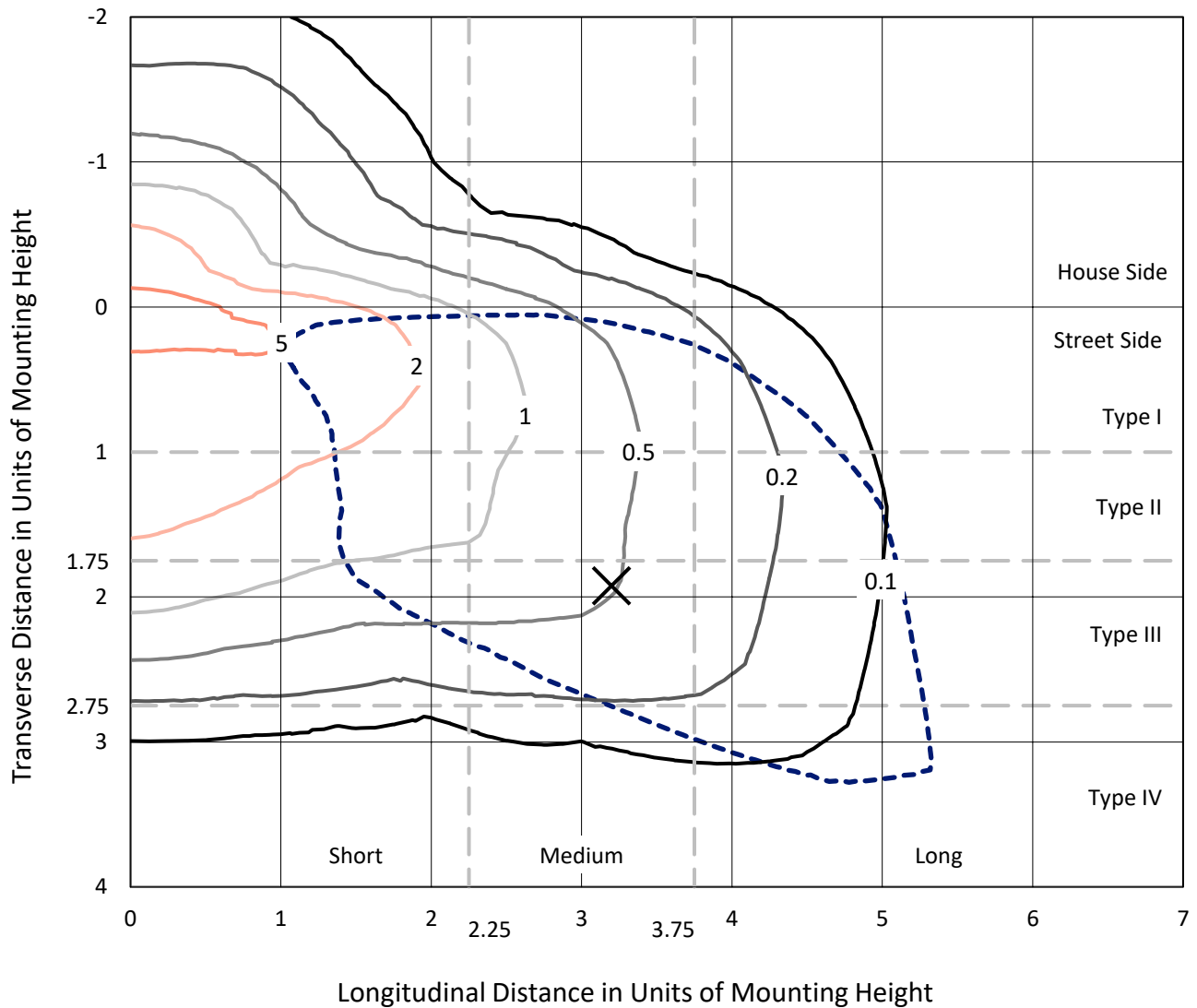
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

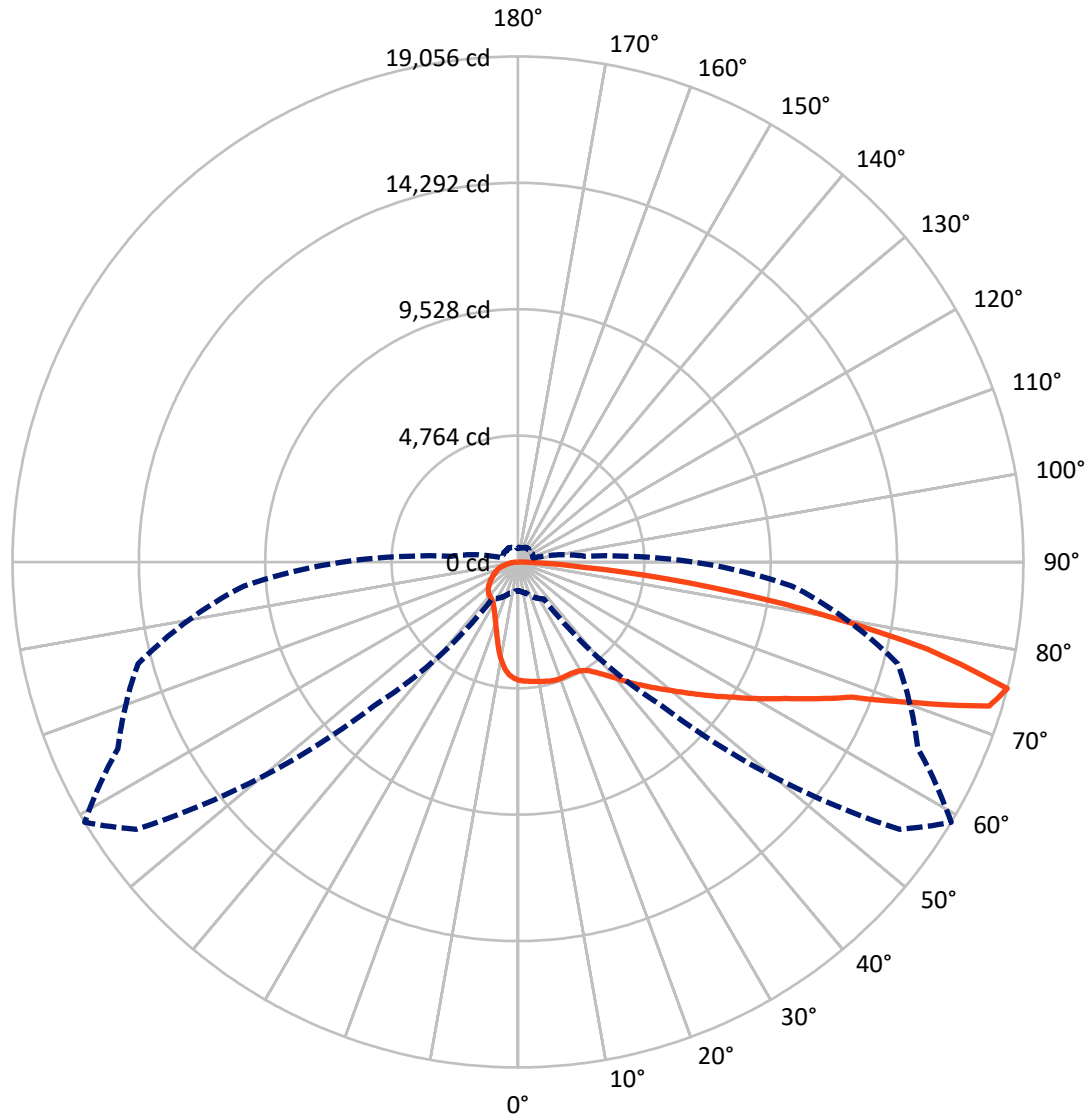
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	4558.8	0.0	4558.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	19747.2	0.0	19747.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	24306.0	0.0	24306.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.0	1.6
10°-20°	1022.5	4.2
20°-30°	1553.1	6.4
30°-40°	2308.6	9.5
40°-50°	3433.3	14.1
50°-60°	4660.4	19.2
60°-70°	5689.5	23.4
70°-80°	4465.1	18.4
80°-90°	773.5	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°	24306.0	100.0
0°-180°	24306.0	100.0



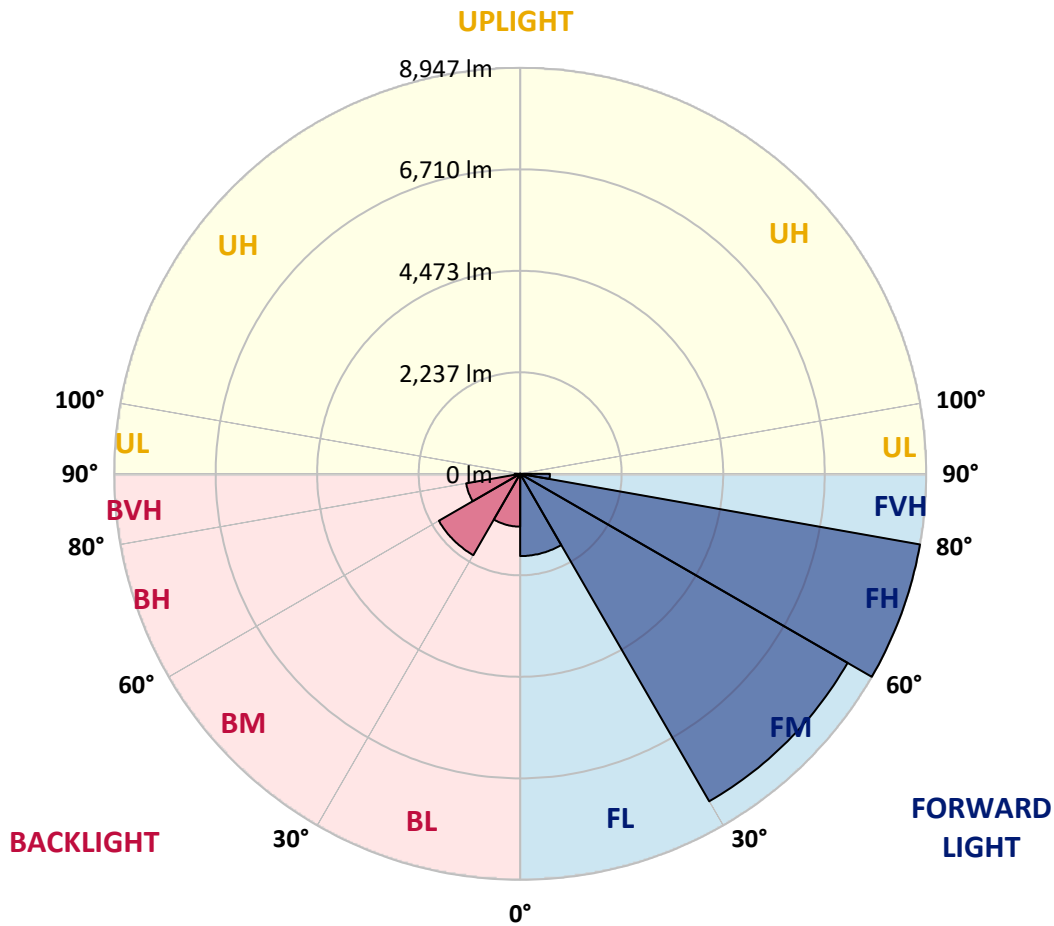
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1812.3	7.5			
FM (30°-60°)	8333.1	34.3			
FH (60°-80°)	8946.8	36.8			G4/12000
FVH (80°-90°)	655.1	2.7			G4/750
BL (0°-30°)	1163.3	4.8	B3/2500		
BM (30°-60°)	2069.2	8.5	B2/2500		
BH (60°-80°)	1207.8	5.0	B3/2500		G3/2500
BVH (80°-90°)	118.4	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°	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3
2.5°	4499.2	4483.5	4499.2	4492.7	4490.1	4484.8	4486.2	4495.3	4490.1	4496.6
5°	4469.2	4460.0	4475.7	4471.8	4488.8	4491.4	4508.4	4518.8	4525.4	4526.7
7.5°	4419.5	4410.3	4432.5	4450.9	4487.5	4497.9	4533.2	4550.2	4559.4	4575.1
10°	4237.7	4233.8	4288.7	4358.0	4444.3	4497.9	4551.5	4580.3	4594.7	4636.5
12.5°	3916.1	3921.3	3993.2	4126.6	4299.2	4471.8	4572.5	4614.3	4636.5	4688.8
15°	3608.8	3607.5	3685.9	3828.5	4070.4	4356.7	4582.9	4654.8	4692.7	4769.9
17.5°	3431.0	3425.7	3480.7	3589.2	3814.1	4180.2	4556.8	4677.1	4758.1	4854.9
20°	3398.3	3387.8	3416.6	3470.2	3629.7	3986.7	4488.8	4677.1	4810.4	4935.9
22.5°	3517.3	3500.3	3488.5	3482.0	3552.6	3827.2	4411.6	4661.4	4887.6	5052.3
25°	3756.6	3730.4	3670.3	3611.4	3590.5	3755.2	4343.6	4657.4	5002.6	5209.2
27.5°	4143.6	4110.9	3989.3	3848.1	3721.2	3791.9	4313.6	4681.0	5129.5	5375.3
30°	4623.4	4588.1	4435.2	4218.1	3990.6	3927.8	4351.5	4750.3	5291.6	5596.3
32.5°	5053.6	5014.4	4883.6	4662.7	4355.4	4163.2	4471.8	4882.3	5546.6	5903.5
35°	5435.4	5389.7	5272.0	5068.0	4802.6	4494.0	4688.8	5116.4	5908.8	6403.0
37.5°	5809.4	5755.8	5627.6	5411.9	5226.2	4934.6	4988.2	5417.1	6389.9	7009.7
40°	6227.8	6150.6	5995.1	5781.9	5601.5	5451.1	5381.8	5785.8	6878.9	7687.0
42.5°	6633.1	6559.9	6374.2	6192.5	5966.3	5923.1	5838.1	6217.3	7413.7	8431.0
45°	7069.8	6982.2	6757.3	6527.2	6384.7	6236.9	6280.1	6648.8	7938.0	9189.4
47.5°	7479.1	7381.0	7115.6	6859.3	6780.9	6501.1	6685.4	7123.5	8483.3	9958.2
50°	7700.1	7603.3	7382.3	7150.9	7089.5	6826.6	7124.8	7645.2	9054.7	10724.4
52.5°	7884.4	7779.8	7490.9	7362.7	7344.4	7181.0	7666.1	8241.4	9626.1	11401.7
55°	8080.6	7964.2	7595.5	7480.4	7564.1	7578.5	8308.1	8917.4	10230.2	12062.0
57.5°	8306.8	8159.0	7696.2	7579.8	7778.5	8044.0	9045.5	9618.2	10823.8	12673.9
60°	8519.9	8370.8	7889.7	7738.0	8010.0	8584.0	9891.5	10466.8	11495.9	13219.2
62.5°	8561.7	8438.8	8044.0	8042.7	8323.8	9214.2	10893.1	11323.3	12082.9	13757.9
65°	7837.4	7760.2	7526.2	8030.9	8773.6	10121.6	12008.4	12419.0	12829.5	14228.6
67.5°	5965.0	5975.4	5958.4	6932.6	8410.1	11425.2	13623.2	13591.8	13751.4	14756.8
70°	2727.5	2789.0	3189.1	4785.6	6737.7	11575.6	16293.2	15886.6	14908.5	15440.7
72.5°	1473.6	1520.7	1684.1	2318.3	4050.7	10291.6	18288.5	18577.5	16447.5	15900.9
75°	1081.3	1107.5	1221.2	1473.6	1701.1	7649.1	17573.3	19056.0	16639.7	14827.5
77.5°	809.4	821.1	914.0	1167.6	870.8	4032.4	14041.6	15782.0	14244.3	12182.3
80°	587.1	600.2	669.5	876.0	610.6	1474.9	9641.8	11077.4	9755.5	7765.5
82.5°	405.3	410.6	440.6	596.2	426.3	572.7	5470.7	6495.8	5445.9	2724.9
85°	244.5	251.0	264.1	347.8	241.9	272.0	2361.4	2442.5	1627.9	651.2
87.5°	100.7	107.2	117.7	146.4	95.5	75.8	389.6	489.0	304.7	190.9
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°
4461.3	0°	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3	4461.3
4474.4	2.5°	4467.8	4458.7	4433.9	4399.9	4368.5	4329.3	4312.3	4297.9	4284.8	4260.0
4509.7	5°	4495.3	4470.5	4403.8	4317.5	4219.4	4112.2	4007.6	3935.7	3874.2	3828.5
4550.2	7.5°	4537.1	4490.1	4368.5	4192.0	3967.1	3736.9	3529.0	3381.3	3270.1	3229.6
4607.8	10°	4580.3	4524.1	4312.3	4001.1	3612.7	3258.4	2982.5	2830.8	2741.9	2713.1
4675.7	12.5°	4631.3	4548.9	4224.6	3735.6	3216.5	2828.2	2587.6	2498.7	2452.9	2437.2
4759.4	15°	4705.8	4569.8	4092.6	3403.5	2838.7	2514.4	2358.8	2297.3	2273.8	2272.5
4845.7	17.5°	4762.0	4573.8	3887.3	3047.9	2548.4	2324.8	2196.7	2173.1	2188.8	2212.4
4930.7	20°	4824.8	4538.5	3618.0	2723.6	2344.4	2158.7	2105.1	2120.8	2158.7	2192.7
5043.2	22.5°	4869.3	4474.4	3292.4	2471.2	2167.9	2063.3	2060.7	2093.4	2114.3	2131.3
5175.2	25°	4908.5	4365.9	2947.2	2259.4	2022.8	2005.8	2034.5	2024.1	2009.7	2024.1
5307.3	27.5°	4937.3	4194.6	2638.6	2073.8	1920.8	1966.5	1949.5	1926.0	1924.7	1932.5
5462.9	30°	4928.1	3965.8	2384.9	1897.2	1848.9	1893.3	1852.8	1848.9	1844.9	1848.9
5696.9	32.5°	4928.1	3705.6	2190.1	1775.6	1803.1	1786.1	1782.2	1773.0	1757.3	1756.0
6014.7	35°	4955.6	3445.4	2022.8	1710.3	1765.2	1724.6	1727.3	1705.0	1672.3	1656.6
6435.7	37.5°	5011.8	3236.2	1856.7	1678.9	1698.5	1697.2	1686.7	1648.8	1591.3	1541.6
6961.3	40°	5147.8	3174.7	1742.9	1664.5	1667.1	1682.8	1655.3	1582.1	1451.4	1370.3
7494.8	42.5°	5360.9	3278.0	1718.1	1629.2	1646.2	1661.9	1608.3	1438.3	1345.5	1297.1
8054.4	45°	5631.6	3458.4	1771.7	1578.2	1596.5	1624.0	1464.4	1383.4	1341.5	1342.8
8608.8	47.5°	5974.1	3648.0	1871.1	1533.7	1524.6	1540.3	1369.0	1319.3	1261.8	1276.2
9141.0	50°	6370.3	3840.2	1965.2	1473.6	1444.8	1393.8	1307.5	1260.5	1187.2	1153.2
9654.8	52.5°	6799.2	4025.9	2003.1	1400.4	1358.5	1299.7	1265.7	1208.2	1119.3	1063.0
10139.9	55°	7205.8	4194.6	1961.3	1312.8	1272.2	1226.5	1221.2	1185.9	1090.5	1012.0
10571.4	57.5°	7590.2	4335.8	1856.7	1223.9	1184.6	1157.2	1192.5	1175.5	1055.2	954.5
10979.4	60°	7915.8	4432.5	1705.0	1133.6	1106.2	1091.8	1145.4	1140.2	1005.5	893.0
11345.5	62.5°	8174.7	4470.5	1537.7	1047.3	1040.8	1014.6	1080.0	1080.0	942.7	832.9
11667.1	65°	8377.4	4433.9	1367.7	962.3	975.4	936.2	1000.3	992.4	876.0	779.3
12037.2	67.5°	8556.5	4313.6	1179.4	878.7	908.7	859.1	916.6	898.3	802.8	725.7
12357.5	70°	8636.3	4033.7	965.0	795.0	831.6	783.2	832.9	798.9	720.5	668.2
12005.8	72.5°	7995.6	3352.5	759.7	707.4	738.8	699.5	742.7	703.5	631.5	608.0
10367.5	75°	6614.8	2515.7	584.5	611.9	635.5	605.4	634.2	605.4	540.0	557.0
7658.2	77.5°	4803.9	1698.5	447.2	511.2	521.7	506.0	530.9	498.2	439.3	435.4
3816.7	80°	2388.9	995.0	350.4	404.0	400.1	389.6	418.4	402.7	353.0	374.0
1030.3	82.5°	691.7	426.3	255.0	283.7	275.9	278.5	299.4	307.3	460.3	456.3
320.3	85°	217.1	167.4	153.0	158.2	150.4	154.3	176.5	350.4	324.3	189.6
99.4	87.5°	56.2	57.5	37.9	40.5	41.8	49.7	56.2	213.1	102.0	66.7
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>
4461.3
4248.2
3790.5
3159.0
2668.7
2441.2
2277.7
2221.5
2204.5
2140.4
2033.2
1945.6
1863.2
1773.0
1672.3
1558.6
1380.8
1297.1
1349.4
1312.8
1162.4
1061.7
1012.0
949.3
889.1
829.0
774.1
720.5
657.7
588.4
508.6
415.8
370.0
466.8
205.3
70.6
0.0

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