

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: P952944

Luminaire Tested: **GALN-SB6C-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952944  
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-SB6C-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

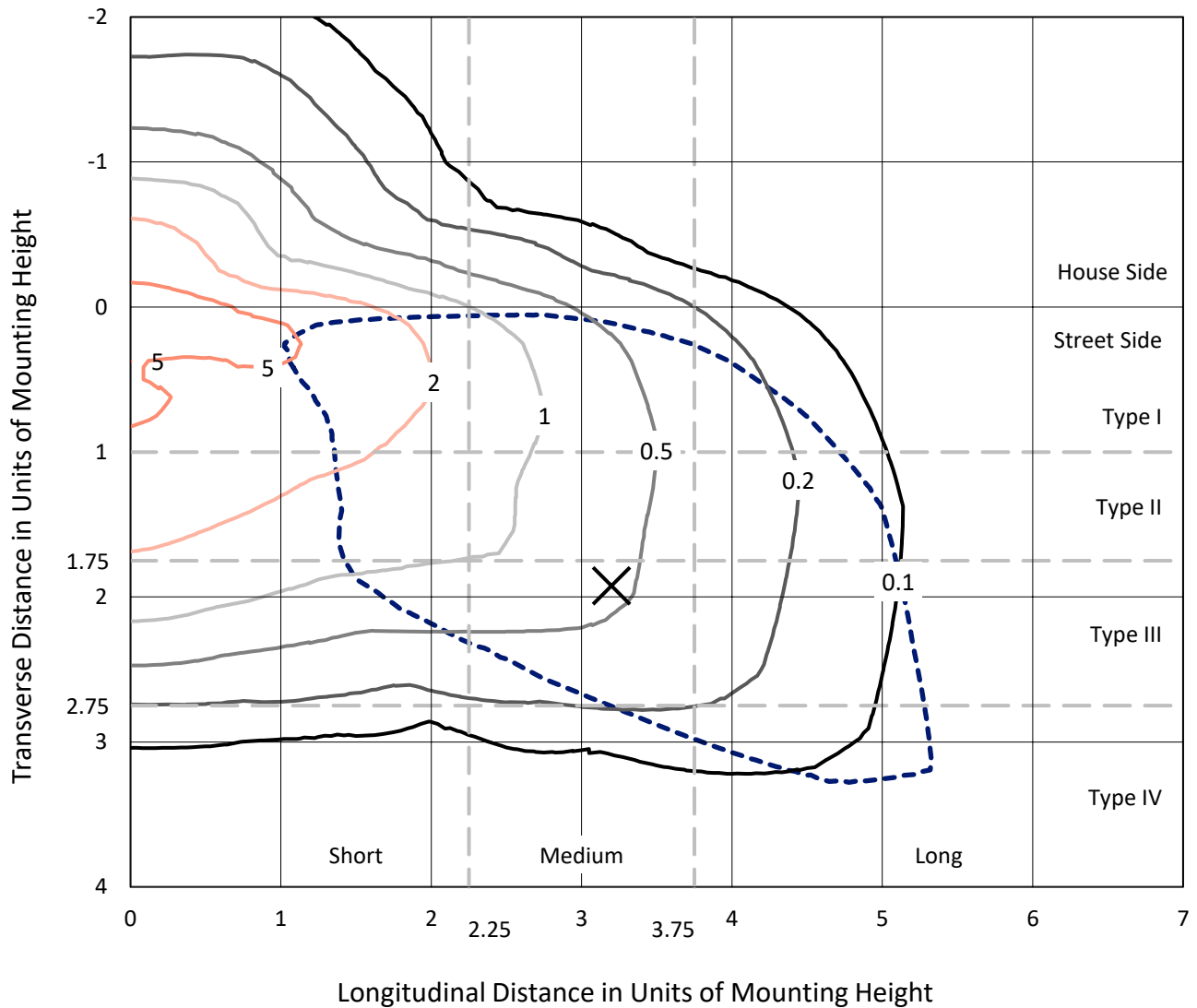
Lumens per Lamp: N/A  
Luminaire Lumens: 27017 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

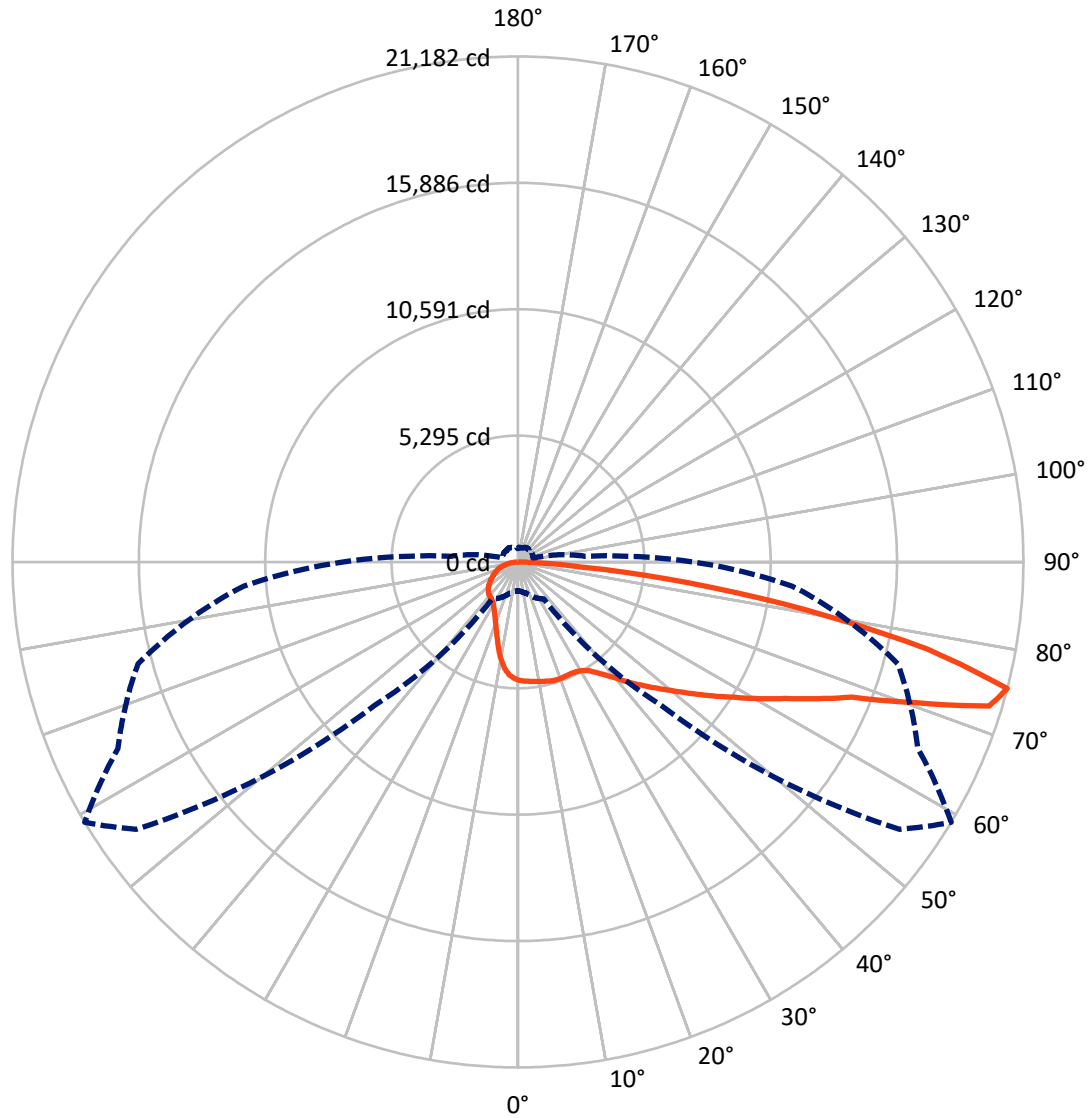
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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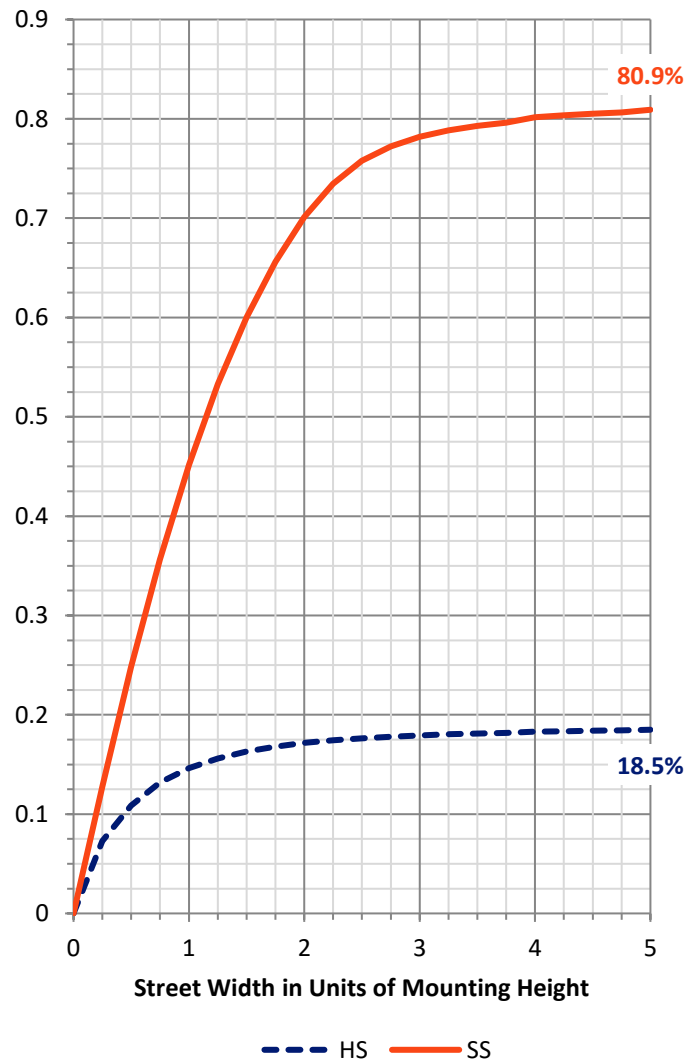
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5067.2	0.0	5067.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	21949.8	0.0	21949.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	27017.0	0.0	27017.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.6	1.6
10°-20°	1136.5	4.2
20°-30°	1726.3	6.4
30°-40°	2566.1	9.5
40°-50°	3816.3	14.1
50°-60°	5180.2	19.2
60°-70°	6324.1	23.4
70°-80°	4963.1	18.4
80°-90°	859.7	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°	27017.0	100.0
0°-180°	27017.0	100.0

**Coefficient of Utilization**



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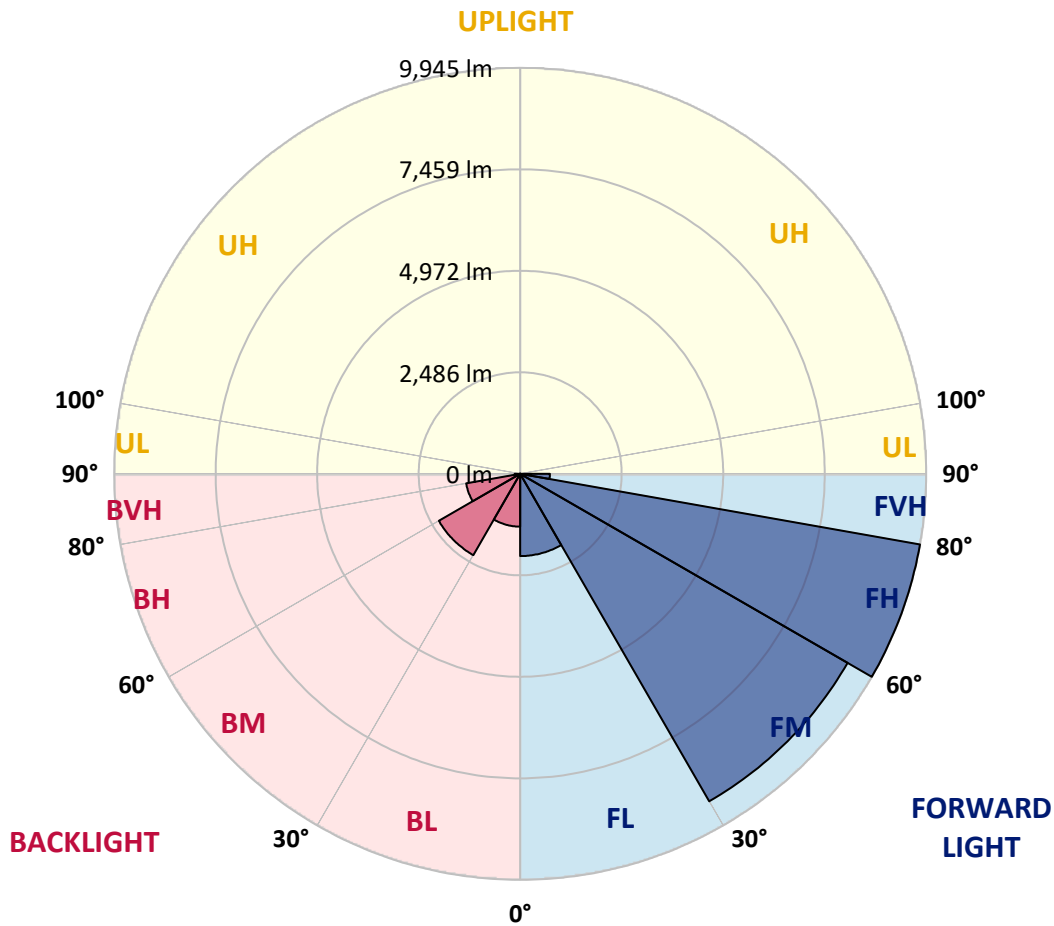
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2014.4	7.5			
FM (30°-60°)	9262.5	34.3			
FH (60°-80°)	9944.7	36.8			G4/12000
FVH (80°-90°)	728.1	2.7			G4/750
BL (0°-30°)	1293.1	4.8	B3/2500		
BM (30°-60°)	2300.0	8.5	B2/2500		
BH (60°-80°)	1342.5	5.0	B3/2500		G3/2500
BVH (80°-90°)	131.6	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°	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9
2.5°	5001.1	4983.6	5001.1	4993.8	4990.9	4985.1	4986.5	4996.7	4990.9	4998.2
5°	4967.6	4957.5	4974.9	4970.5	4989.4	4992.3	5011.2	5022.9	5030.1	5031.6
7.5°	4912.4	4902.2	4926.9	4947.3	4988.0	4999.6	5038.8	5057.7	5067.9	5085.4
10°	4710.4	4706.0	4767.1	4844.1	4940.0	4999.6	5059.2	5091.2	5107.2	5153.7
12.5°	4352.9	4358.7	4438.6	4586.8	4778.7	4970.5	5082.4	5129.0	5153.7	5211.8
15°	4011.3	4009.9	4097.1	4255.5	4524.4	4842.6	5094.1	5174.0	5216.2	5301.9
17.5°	3813.7	3807.8	3868.9	3989.5	4239.5	4646.4	5065.0	5198.7	5288.8	5396.4
20°	3777.3	3765.7	3797.7	3857.3	4034.6	4431.3	4989.4	5198.7	5347.0	5486.5
22.5°	3909.6	3890.7	3877.6	3870.3	3948.8	4254.0	4903.7	5181.3	5432.7	5615.8
25°	4175.5	4146.5	4079.6	4014.2	3991.0	4174.1	4828.1	5176.9	5560.6	5790.2
27.5°	4605.7	4569.4	4434.2	4277.3	4136.3	4214.8	4794.7	5203.1	5701.6	5974.8
30°	5139.1	5099.9	4929.8	4688.6	4435.7	4365.9	4836.8	5280.1	5881.8	6220.4
32.5°	5617.3	5573.7	5428.3	5182.7	4841.2	4627.5	4970.5	5426.9	6165.2	6562.0
35°	6041.7	5990.8	5860.0	5633.3	5338.2	4995.2	5211.8	5687.1	6567.8	7117.2
37.5°	6457.3	6397.7	6255.3	6015.5	5809.1	5485.0	5544.6	6021.3	7102.6	7791.5
40°	6922.4	6836.7	6663.7	6426.8	6226.3	6059.1	5982.1	6431.2	7646.2	8544.4
42.5°	7373.0	7291.6	7085.2	6883.2	6631.7	6583.8	6489.3	6910.8	8240.6	9371.4
45°	7858.4	7761.0	7511.0	7255.2	7096.8	6932.6	6980.6	7390.4	8823.4	10214.3
47.5°	8313.3	8204.3	7909.3	7624.4	7537.2	7226.2	7431.1	7918.0	9429.5	11068.9
50°	8558.9	8451.4	8205.7	7948.5	7880.2	7588.1	7919.4	8497.9	10064.6	11920.6
52.5°	8763.8	8647.6	8326.4	8183.9	8163.6	7981.9	8521.1	9160.6	10699.7	12673.4
55°	8981.8	8852.5	8442.6	8314.7	8407.8	8423.8	9234.7	9912.0	11371.2	13407.4
57.5°	9233.3	9069.1	8554.6	8425.2	8646.1	8941.2	10054.4	10691.0	12031.0	14087.5
60°	9470.2	9304.5	8769.7	8601.1	8903.4	9541.4	10994.8	11634.3	12778.1	14693.6
62.5°	9516.7	9380.1	8941.2	8939.7	9252.2	10241.9	12108.1	12586.2	13430.6	15292.4
65°	8711.5	8625.8	8365.6	8926.6	9752.1	11250.6	13347.8	13804.1	14260.5	15815.6
67.5°	6630.3	6641.9	6623.0	7705.8	9348.1	12699.6	15142.7	15107.8	15285.1	16402.8
70°	3031.7	3100.0	3544.8	5319.3	7489.2	12866.7	18110.5	17658.5	16571.4	17162.9
72.5°	1638.0	1690.3	1871.9	2576.8	4502.6	11439.5	20328.3	20649.5	18282.0	17674.5
75°	1201.9	1231.0	1357.5	1638.0	1890.8	8502.2	19533.3	21181.5	18495.6	16481.3
77.5°	899.6	912.7	1015.9	1297.9	967.9	4482.2	15607.8	17542.2	15833.1	13541.1
80°	652.6	667.1	744.1	973.8	678.7	1639.4	10717.2	12313.0	10843.6	8631.6
82.5°	450.5	456.4	489.8	662.7	473.8	636.6	6080.9	7220.4	6053.3	3028.8
85°	271.8	279.0	293.6	386.6	268.9	302.3	2624.8	2714.9	1809.4	723.8
87.5°	111.9	119.2	130.8	162.8	106.1	84.3	433.1	543.6	338.6	212.2
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°
4958.9	0°	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9	4958.9
4973.4	2.5°	4966.2	4956.0	4928.4	4890.6	4855.7	4812.1	4793.2	4777.2	4762.7	4735.1
5012.7	5°	4996.7	4969.1	4895.0	4799.0	4690.0	4570.9	4454.6	4374.7	4306.3	4255.5
5057.7	7.5°	5043.2	4990.9	4855.7	4659.5	4409.5	4153.7	3922.7	3758.4	3634.9	3589.8
5121.7	10°	5091.2	5028.7	4793.2	4447.3	4015.7	3621.8	3315.1	3146.6	3047.7	3015.7
5197.3	12.5°	5147.8	5056.3	4695.8	4152.3	3575.3	3143.6	2876.2	2777.4	2726.5	2709.1
5290.3	15°	5230.7	5079.5	4549.1	3783.1	3155.3	2794.8	2621.9	2553.6	2527.4	2526.0
5386.2	17.5°	5293.2	5083.9	4320.9	3387.8	2832.6	2584.1	2441.7	2415.5	2432.9	2459.1
5480.7	20°	5362.9	5044.7	4021.5	3027.4	2605.9	2399.5	2339.9	2357.4	2399.5	2437.3
5605.7	22.5°	5412.4	4973.4	3659.6	2746.9	2409.7	2293.4	2290.5	2326.9	2350.1	2369.0
5752.5	25°	5456.0	4852.8	3275.9	2511.4	2248.4	2229.5	2261.4	2249.8	2233.8	2249.8
5899.2	27.5°	5487.9	4662.4	2932.9	2305.1	2135.0	2185.9	2167.0	2140.8	2139.4	2148.1
6072.2	30°	5477.8	4408.1	2651.0	2108.8	2055.1	2104.5	2059.4	2055.1	2050.7	2055.1
6332.3	32.5°	5477.8	4118.9	2434.4	1973.7	2004.2	1985.3	1980.9	1970.8	1953.3	1951.9
6685.5	35°	5508.3	3829.6	2248.4	1901.0	1962.1	1917.0	1919.9	1895.2	1858.9	1841.4
7153.5	37.5°	5570.8	3597.1	2063.8	1866.1	1887.9	1886.5	1874.9	1832.7	1768.8	1713.5
7737.8	40°	5721.9	3528.8	1937.3	1850.1	1853.1	1870.5	1840.0	1758.6	1613.2	1523.1
8330.7	42.5°	5958.8	3643.6	1909.7	1810.9	1829.8	1847.2	1787.6	1598.7	1495.5	1441.7
8952.8	45°	6259.7	3844.2	1969.3	1754.2	1774.6	1805.1	1627.8	1537.7	1491.2	1492.6
9569.0	47.5°	6640.5	4054.9	2079.8	1704.8	1694.6	1712.1	1521.7	1466.5	1402.5	1418.5
10160.5	50°	7080.8	4268.6	2184.4	1638.0	1606.0	1549.3	1453.4	1401.1	1319.7	1281.9
10731.7	52.5°	7557.5	4474.9	2226.6	1556.6	1510.1	1444.7	1406.9	1342.9	1244.1	1181.6
11270.9	55°	8009.5	4662.4	2180.1	1459.2	1414.1	1363.3	1357.5	1318.2	1212.1	1124.9
11750.5	57.5°	8436.8	4819.4	2063.8	1360.4	1316.8	1286.2	1325.5	1306.6	1172.9	1061.0
12204.0	60°	8798.7	4926.9	1895.2	1260.1	1229.6	1213.6	1273.2	1267.3	1117.6	992.7
12610.9	62.5°	9086.5	4969.1	1709.2	1164.2	1156.9	1127.8	1200.5	1200.5	1047.9	925.8
12968.5	65°	9311.8	4928.4	1520.2	1069.7	1084.2	1040.6	1111.8	1103.1	973.8	866.2
13379.8	67.5°	9510.9	4794.7	1310.9	976.7	1010.1	954.9	1018.8	998.5	892.4	806.6
13735.8	70°	9599.5	4483.7	1072.6	883.7	924.3	870.6	925.8	888.0	800.8	742.7
13344.9	72.5°	8887.4	3726.4	844.4	786.3	821.2	777.6	825.5	781.9	702.0	675.8
11523.8	75°	7352.6	2796.3	649.7	680.2	706.3	672.9	704.9	672.9	600.2	619.1
8512.4	77.5°	5339.7	1887.9	497.1	568.3	579.9	562.5	590.1	553.7	488.3	484.0
4242.4	80°	2655.3	1106.0	389.5	449.1	444.7	433.1	465.1	447.6	392.4	415.7
1145.3	82.5°	768.8	473.8	283.4	315.4	306.7	309.6	332.8	341.5	511.6	507.2
356.1	85°	241.3	186.0	170.0	175.9	167.1	171.5	196.2	389.5	360.4	210.7
110.5	87.5°	62.5	63.9	42.1	45.1	46.5	55.2	62.5	236.9	113.4	74.1
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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<u>180°</u>
4958.9
4722.0
4213.3
3511.4
2966.3
2713.4
2531.8
2469.3
2450.4
2379.2
2260.0
2162.6
2071.1
1970.8
1858.9
1732.4
1534.8
1441.7
1499.9
1459.2
1292.0
1180.1
1124.9
1055.1
988.3
921.4
860.4
800.8
731.0
654.0
565.4
462.2
411.3
518.9
228.2
78.5
0.0

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