

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: P952942

Luminaire Tested: **GALN-SB6C-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27476 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

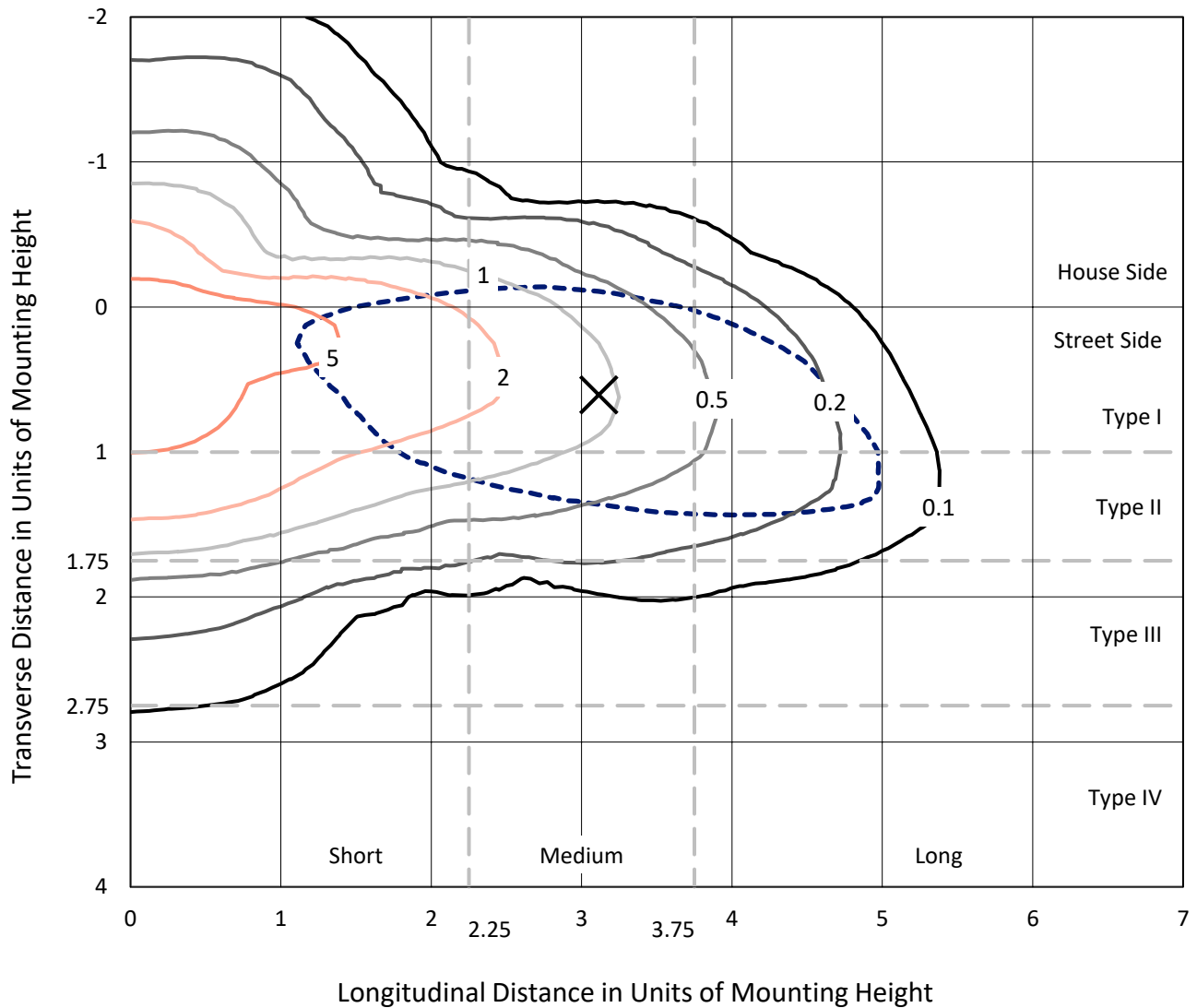
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

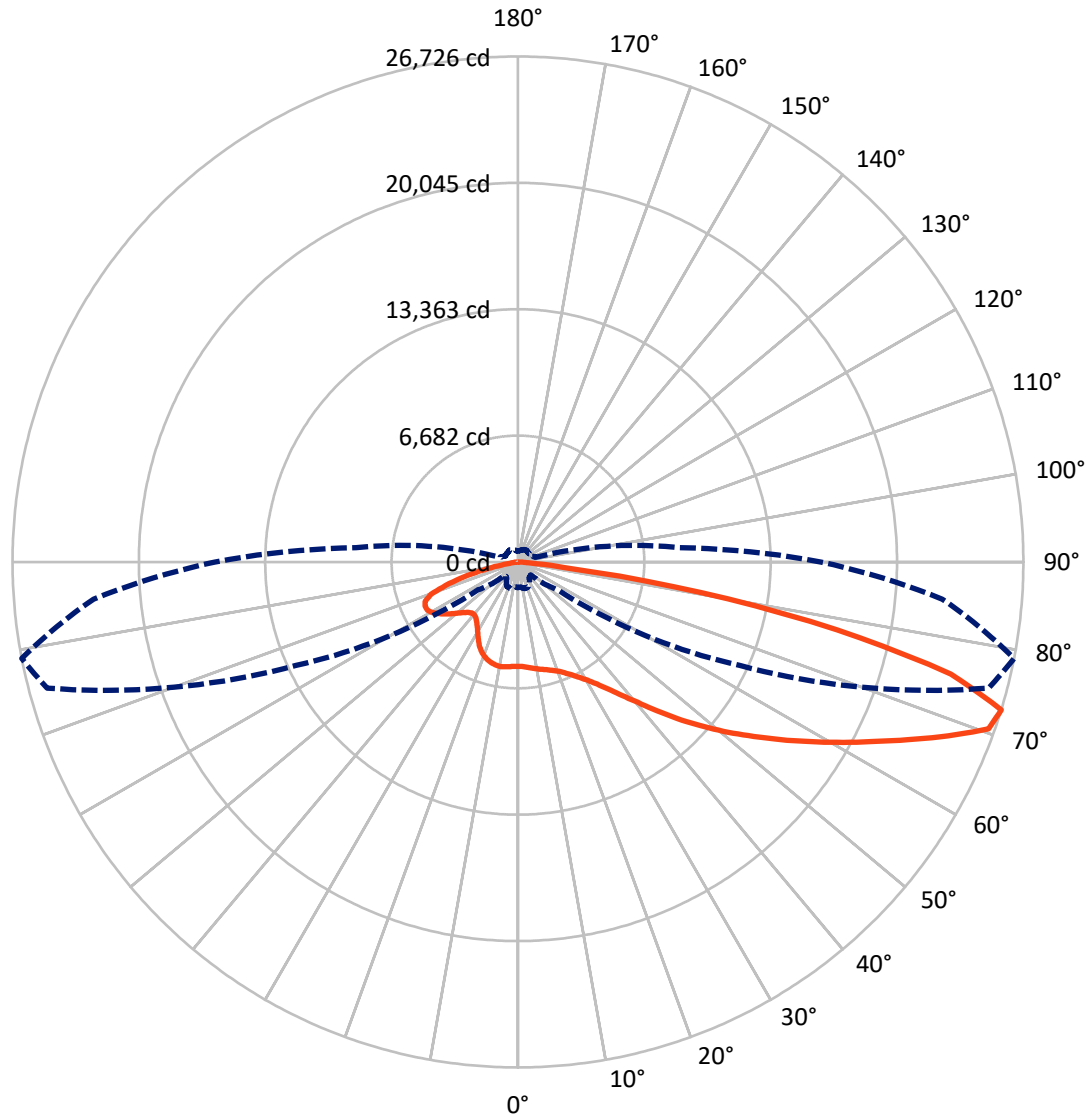
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6046.2	0.0	6046.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	21429.8	0.0	21429.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	27476.0	0.0	27476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.7	1.8
10°-20°	1309.0	4.8
20°-30°	2112.1	7.7
30°-40°	3170.0	11.5
40°-50°	4496.8	16.4
50°-60°	5678.9	20.7
60°-70°	5767.7	21.0
70°-80°	3930.9	14.3
80°-90°	510.0	1.9
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°	27476.0	100.0
0°-180°	27476.0	100.0

Coefficient of Utilization



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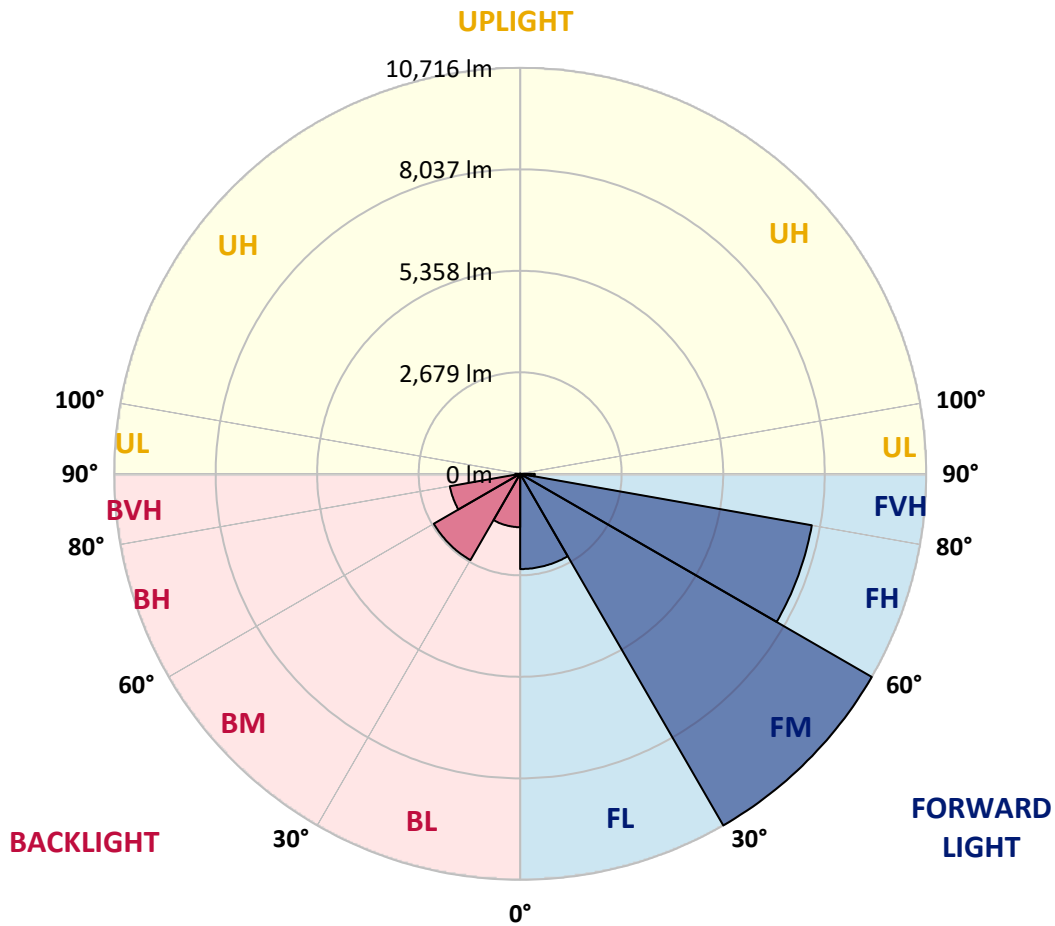
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2513.4	9.1			
FM (30°-60°)	10716.2	39.0			
FH (60°-80°)	7816.0	28.4			G4/12000
FVH (80°-90°)	384.2	1.4			G3/500
BL (0°-30°)	1408.3	5.1	B3/2500		
BM (30°-60°)	2629.5	9.6	B3/5000		
BH (60°-80°)	1882.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	125.8	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5
2.5°	5518.5	5492.3	5508.3	5502.5	5509.7	5518.5	5521.4	5525.7	5540.3	5538.8
5°	5506.8	5480.7	5502.5	5495.2	5514.1	5534.4	5551.9	5567.9	5591.1	5601.3
7.5°	5482.1	5464.7	5486.5	5508.3	5543.2	5573.7	5598.4	5634.7	5668.1	5674.0
10°	5338.2	5325.2	5376.0	5432.7	5528.6	5611.5	5665.2	5707.4	5743.7	5749.5
12.5°	5188.5	5172.6	5229.2	5306.3	5461.8	5611.5	5724.8	5780.1	5812.0	5830.9
15°	5163.8	5150.7	5182.7	5249.6	5378.9	5572.2	5765.5	5867.3	5894.9	5916.7
17.5°	5283.0	5258.3	5271.4	5294.6	5370.2	5535.9	5797.5	5966.1	6008.2	6031.5
20°	5559.1	5524.3	5503.9	5457.4	5444.3	5541.7	5794.6	6085.3	6140.5	6169.6
22.5°	5926.8	5903.6	5860.0	5742.3	5614.4	5612.9	5849.8	6237.9	6341.1	6368.7
25°	6371.6	6336.7	6281.5	6121.6	5876.0	5753.9	5942.8	6432.6	6605.6	6612.8
27.5°	6883.2	6830.8	6755.3	6544.5	6213.2	5974.8	6085.3	6656.4	6909.3	6906.4
30°	7422.4	7370.0	7290.1	7034.3	6617.2	6272.8	6282.9	6897.7	7269.8	7253.8
32.5°	7816.2	7777.0	7761.0	7563.3	7082.3	6624.5	6509.7	7165.1	7714.5	7700.0
35°	8118.5	8067.7	8086.6	7986.3	7589.5	7018.3	6787.2	7483.4	8255.2	8253.7
37.5°	8417.9	8372.9	8388.9	8322.0	8058.9	7518.3	7125.9	7872.9	8925.2	8957.1
40°	8691.2	8643.2	8707.2	8644.7	8423.7	8050.2	7511.0	8313.3	9701.3	9762.3
42.5°	8855.4	8817.6	8923.7	8925.2	8740.6	8499.3	7934.0	8798.7	10599.4	10736.1
45°	8912.1	8899.0	9058.9	9092.3	9021.1	8759.5	8314.7	9327.7	11567.4	11811.6
47.5°	8851.0	8826.3	9047.2	9170.8	9227.5	8881.6	8630.1	9900.4	12555.7	12913.2
50°	8542.9	8495.0	8823.4	9083.6	9285.6	8961.5	8948.4	10561.7	13679.1	14070.1
52.5°	7989.2	7952.9	8326.4	8778.4	9157.7	9000.7	9305.9	11284.0	14745.9	15251.7
55°	7281.4	7233.4	7644.7	8234.8	8839.4	8987.7	9663.5	12092.1	16004.5	16517.6
57.5°	6159.4	6063.5	6583.8	7281.4	8320.6	8971.7	10035.5	12895.8	17283.5	17898.3
60°	4522.9	4380.5	5018.5	5845.5	7306.1	8816.2	10496.3	13796.9	18818.3	19372.0
62.5°	2633.5	2550.7	2967.8	3739.5	5506.8	7900.5	10755.0	14844.7	20326.9	20908.2
65°	2044.9	2021.6	2058.0	2117.6	3065.2	5915.2	9957.0	15866.5	22245.3	22652.3
67.5°	1870.5	1853.0	1869.0	1757.1	1555.1	3294.8	7877.3	16125.2	24300.4	24547.4
70°	1662.7	1642.3	1694.6	1598.7	1223.7	1498.4	5089.7	15186.3	25935.4	26399.0
72.5°	1354.5	1331.3	1453.4	1409.8	1030.4	962.1	2556.5	12955.4	25763.9	26726.1
75°	1040.6	1027.5	1172.9	1209.2	840.0	757.2	1226.6	9630.0	22672.6	23642.0
77.5°	808.1	797.9	872.0	1004.3	677.3	587.2	754.3	6108.5	17085.8	17255.9
80°	606.1	577.0	645.3	777.6	527.6	428.7	511.6	3562.2	10800.0	9789.9
82.5°	379.3	364.8	421.5	518.9	372.1	295.0	332.8	1967.9	4328.1	2549.2
85°	216.6	210.7	229.6	296.5	202.0	170.0	190.4	869.1	790.6	543.6
87.5°	87.2	84.3	104.6	132.3	74.1	62.5	66.9	209.3	174.4	161.3
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°
5515.5	0°	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5	5515.5
5537.3	2.5°	5531.5	5531.5	5511.2	5479.2	5442.9	5419.6	5381.8	5371.7	5332.4	5320.8
5586.8	5°	5598.4	5586.8	5524.3	5434.2	5310.6	5197.3	5072.3	4993.8	4883.3	4844.1
5684.1	7.5°	5682.7	5650.7	5543.2	5345.5	5086.8	4832.5	4567.9	4367.4	4175.5	4107.2
5764.1	10°	5759.7	5714.7	5531.5	5185.6	4738.0	4297.6	3876.1	3581.1	3357.3	3265.7
5852.7	12.5°	5836.7	5753.9	5454.5	4919.7	4242.4	3645.1	3196.0	2966.3	2828.3	2717.8
5925.4	15°	5909.4	5793.1	5335.3	4563.6	3698.8	3092.8	2761.4	2578.3	2467.8	2395.2
6031.5	17.5°	5993.7	5826.6	5156.6	4111.6	3181.4	2710.5	2440.2	2329.8	2308.0	2299.2
6176.8	20°	6111.4	5857.1	4921.1	3605.8	2800.6	2405.3	2265.8	2255.6	2254.2	2249.8
6351.2	22.5°	6237.9	5893.4	4610.1	3146.5	2476.5	2214.9	2190.2	2169.9	2156.8	2155.4
6562.0	25°	6387.6	5905.0	4220.6	2770.1	2200.4	2124.8	2095.8	2065.2	2056.5	2056.5
6801.8	27.5°	6532.9	5865.8	3767.1	2443.1	2044.9	2042.0	2004.2	1994.0	1992.6	1996.9
7075.0	30°	6678.2	5791.7	3316.6	2140.8	1954.8	1954.8	1941.7	1949.0	1954.8	1969.3
7450.0	32.5°	6874.4	5713.2	2940.2	1917.0	1876.3	1861.8	1874.8	1889.4	1895.2	1914.1
7942.7	35°	7162.2	5658.0	2640.8	1794.9	1794.9	1776.0	1783.3	1780.4	1767.3	1758.6
8538.6	37.5°	7543.0	5655.1	2393.7	1738.2	1726.6	1723.7	1725.2	1706.3	1655.4	1594.3
9259.4	40°	8000.8	5733.6	2203.3	1699.0	1690.3	1707.7	1699.0	1648.1	1508.6	1402.5
10146.0	42.5°	8615.6	5957.4	2081.2	1651.0	1677.2	1699.0	1664.1	1488.3	1393.8	1322.6
11156.1	45°	9339.4	6320.7	2018.7	1600.2	1652.5	1678.6	1510.1	1433.0	1357.4	1271.7
12257.7	47.5°	10159.1	6778.5	2004.2	1552.2	1597.3	1613.2	1444.7	1409.8	1324.0	1231.0
13365.2	50°	11051.4	7320.6	2043.4	1495.5	1517.3	1462.1	1422.9	1390.9	1302.2	1210.7
14500.3	52.5°	11974.3	7918.0	2121.9	1418.5	1437.4	1376.3	1414.1	1386.5	1289.1	1165.6
15673.2	55°	12881.2	8519.7	2197.5	1328.4	1356.0	1299.3	1389.4	1369.1	1229.6	1090.0
16924.5	57.5°	13802.7	9118.5	2271.6	1248.4	1277.5	1225.2	1350.2	1322.6	1162.7	1020.3
18290.7	60°	14760.4	9699.8	2306.5	1171.4	1191.8	1156.9	1290.6	1242.6	1087.1	949.1
19633.6	62.5°	15657.2	10183.8	2249.8	1094.4	1107.5	1092.9	1212.1	1148.2	1011.5	869.1
21033.2	65°	16556.8	10471.5	2075.4	1018.8	1021.7	1014.5	1101.7	1046.4	922.9	799.4
22258.4	67.5°	17372.2	10632.9	1797.8	937.4	930.2	927.3	998.5	936.0	837.1	729.6
23190.0	70°	17545.1	10223.0	1373.4	841.5	841.5	834.2	885.1	821.2	742.7	655.5
22522.9	72.5°	16024.9	8599.6	975.2	732.5	744.1	729.6	771.7	718.0	646.8	588.6
19411.2	75°	12921.9	6306.2	709.2	620.6	640.9	616.2	655.5	617.7	556.6	555.2
13376.8	77.5°	8878.6	3899.4	514.5	511.6	526.1	494.1	539.2	518.9	463.6	438.9
5822.2	80°	3788.9	1555.1	375.0	395.3	395.3	366.2	418.6	424.4	376.4	364.8
1123.5	82.5°	754.3	441.8	263.1	271.8	255.8	247.1	296.5	328.5	453.5	504.3
338.6	85°	226.7	162.8	158.4	148.2	130.8	132.3	174.4	329.9	406.9	232.5
111.9	87.5°	62.5	40.7	42.1	33.4	27.6	36.3	59.6	250.0	136.6	58.1
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>
5515.5
5339.7
4873.2
4115.9
3286.1
2754.1
2408.2
2305.0
2264.4
2171.3
2065.2
2008.6
1979.5
1930.1
1778.9
1595.8
1399.6
1319.7
1265.9
1223.7
1200.5
1156.9
1082.8
1017.4
944.7
867.7
790.6
720.9
652.6
571.2
500.0
411.3
364.8
505.8
200.6
49.4
0.0

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