

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: P951579

Luminaire Tested: **GALN-SB5C-940-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951579  
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-SB5C-940-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

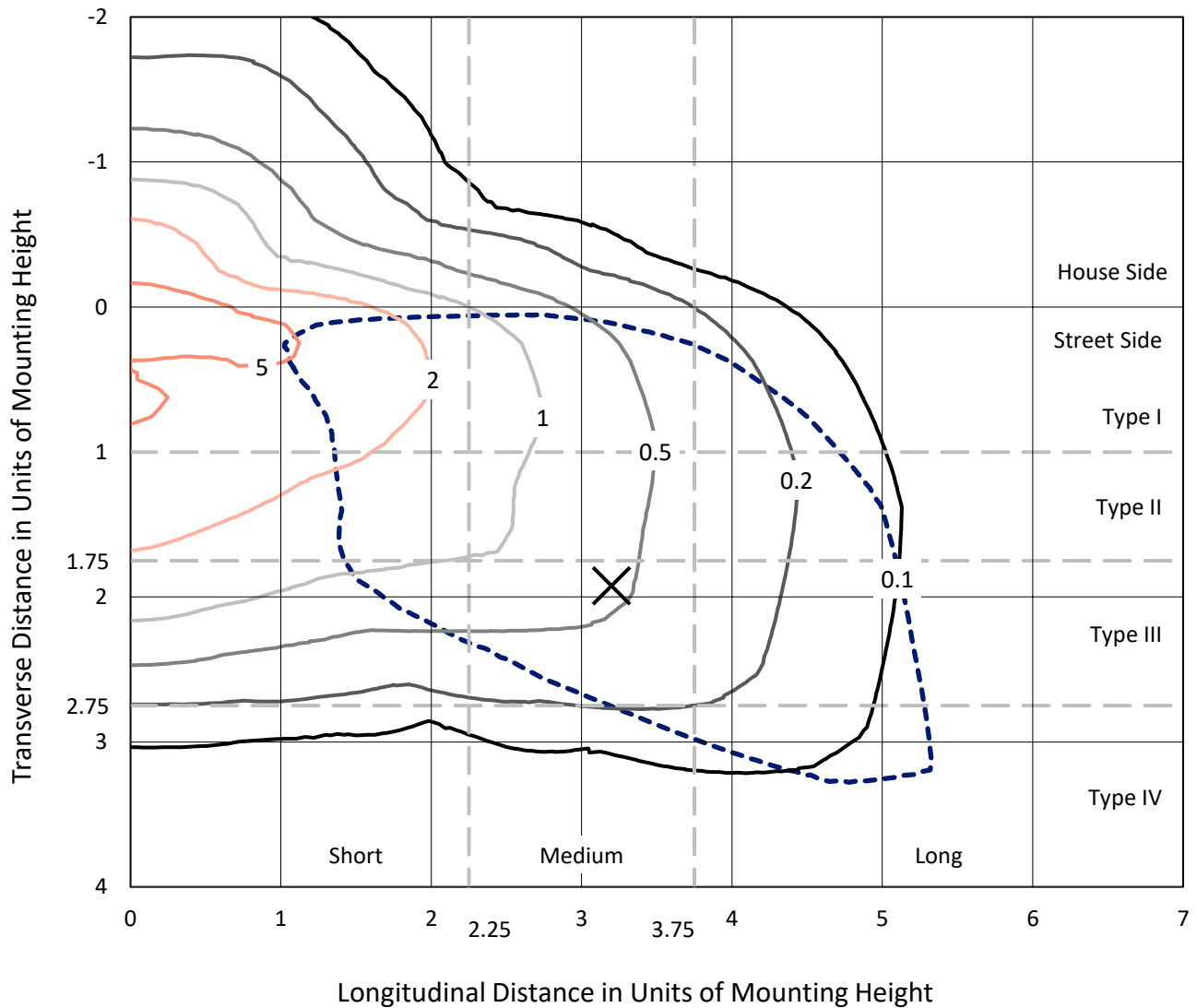
Lumens per Lamp: N/A  
Luminaire Lumens: 26792 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

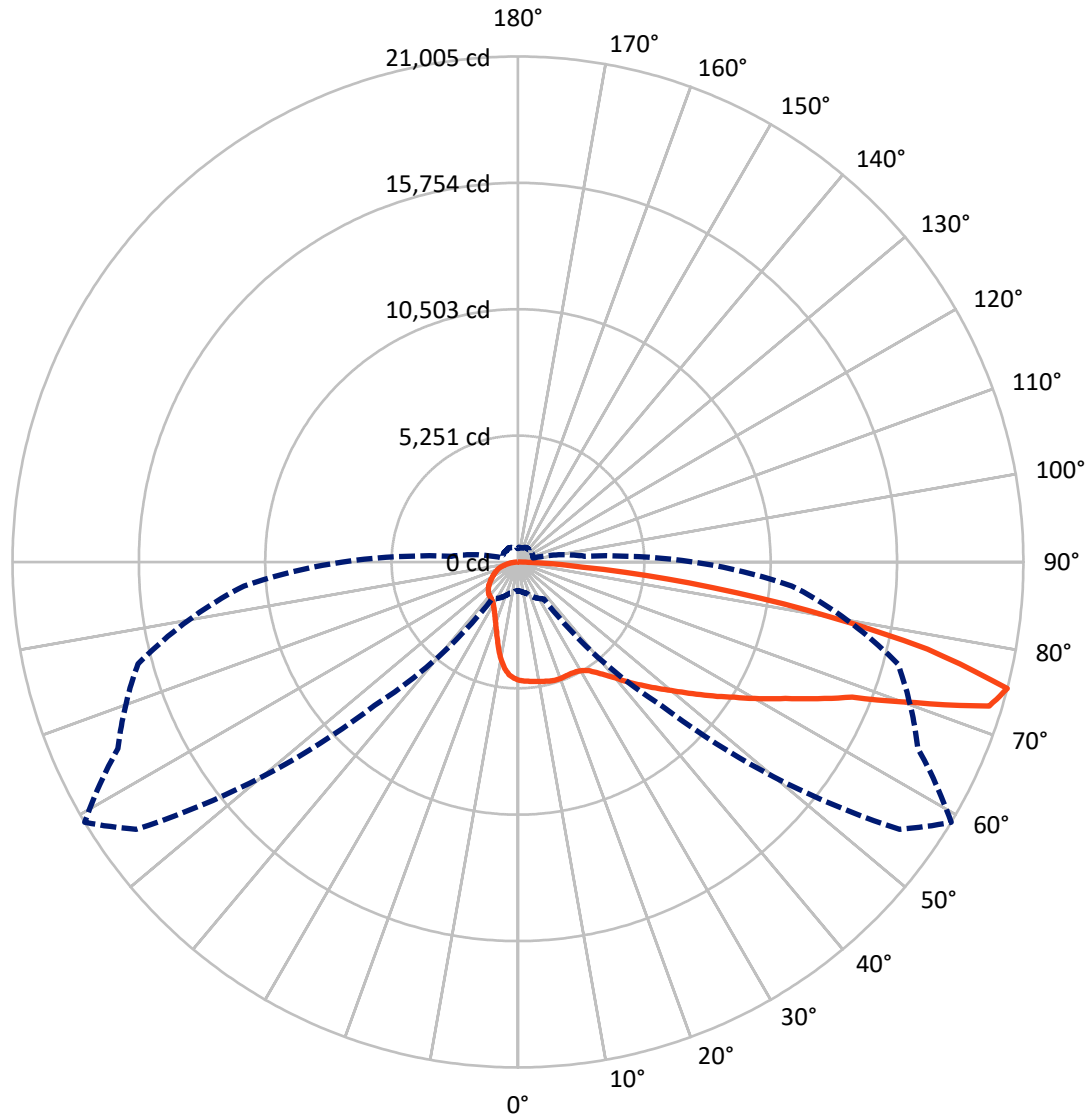
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	5025.0	0.0	5025.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	21767.0	0.0	21767.0
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	26792.0	0.0	26792.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.9	1.6
10°-20°	1127.1	4.2
20°-30°	1711.9	6.4
30°-40°	2544.8	9.5
40°-50°	3784.5	14.1
50°-60°	5137.0	19.2
60°-70°	6271.4	23.4
70°-80°	4921.7	18.4
80°-90°	852.6	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°	26792.0	100.0
0°-180°	26792.0	100.0



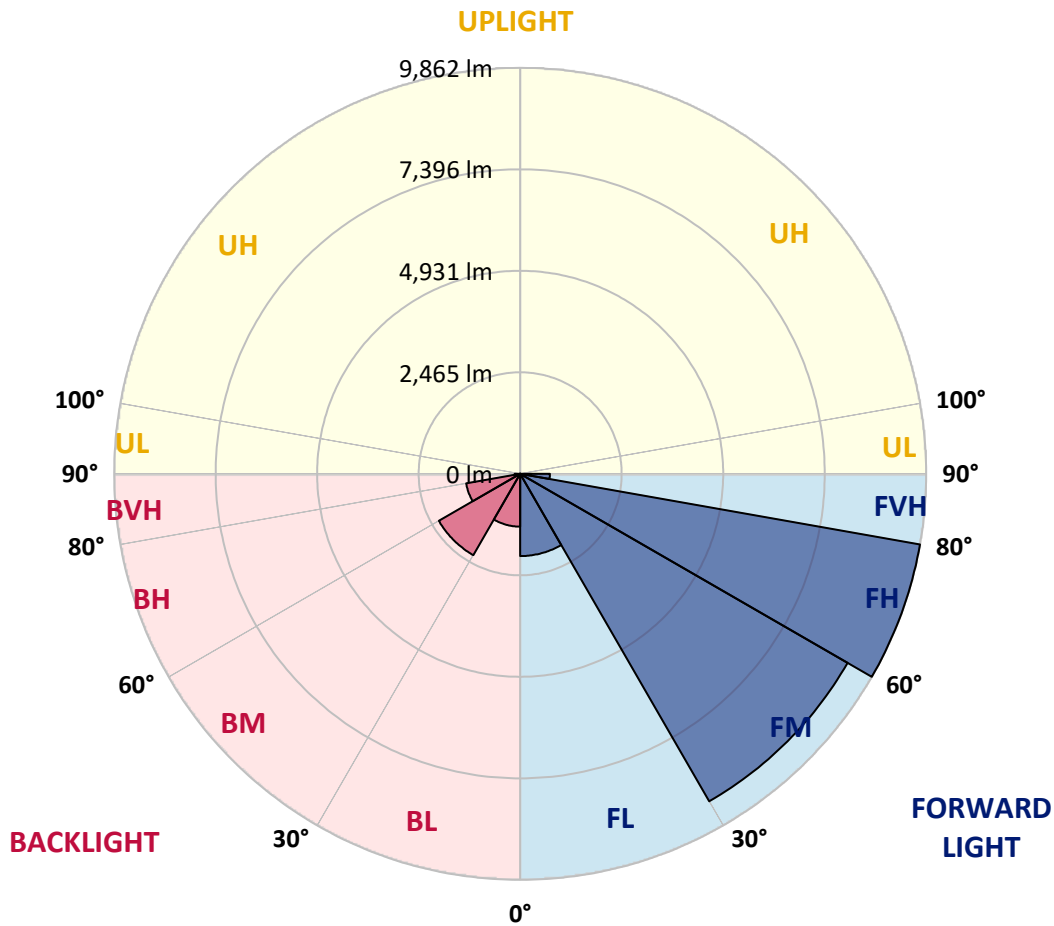
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1997.6	7.5			
FM (30°-60°)	9185.4	34.3			
FH (60°-80°)	9861.9	36.8			G4/12000
FVH (80°-90°)	722.1	2.7			G4/750
BL (0°-30°)	1282.3	4.8	B3/2500		
BM (30°-60°)	2280.9	8.5	B2/2500		
BH (60°-80°)	1331.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	130.5	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°	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6
2.5°	4959.4	4942.1	4959.4	4952.2	4949.3	4943.6	4945.0	4955.1	4949.3	4956.5
5°	4926.3	4916.2	4933.5	4929.1	4947.9	4950.8	4969.5	4981.0	4988.2	4989.7
7.5°	4871.5	4861.4	4885.9	4906.1	4946.4	4958.0	4996.9	5015.6	5025.7	5043.0
10°	4671.2	4666.8	4727.4	4803.8	4898.9	4958.0	5017.1	5048.8	5064.6	5110.7
12.5°	4316.6	4322.4	4401.6	4548.6	4738.9	4929.1	5040.1	5086.2	5110.7	5168.4
15°	3977.9	3976.5	4062.9	4220.0	4486.7	4802.3	5051.6	5130.9	5172.7	5257.8
17.5°	3781.9	3776.1	3836.7	3956.3	4204.2	4607.7	5022.8	5155.4	5244.8	5351.4
20°	3745.9	3734.3	3766.0	3825.1	4001.0	4394.4	4947.9	5155.4	5302.4	5440.8
22.5°	3877.0	3858.3	3845.3	3838.1	3915.9	4218.6	4862.8	5138.1	5387.5	5569.1
25°	4140.8	4111.9	4045.6	3980.8	3957.7	4139.3	4787.9	5133.8	5514.3	5742.0
27.5°	4567.4	4531.4	4397.3	4241.7	4101.9	4179.7	4754.7	5159.7	5654.1	5925.1
30°	5096.3	5057.4	4888.8	4649.5	4398.8	4329.6	4796.5	5236.1	5832.8	6168.6
32.5°	5570.5	5527.3	5383.1	5139.6	4800.9	4589.0	4929.1	5381.7	6113.9	6507.3
35°	5991.4	5940.9	5811.2	5586.4	5293.8	4953.6	5168.4	5639.7	6513.1	7057.9
37.5°	6403.6	6344.5	6203.2	5965.4	5760.8	5439.4	5498.4	5971.2	7043.5	7726.6
40°	6864.8	6779.7	6608.2	6373.3	6174.4	6008.7	5932.3	6377.6	7582.5	8473.2
42.5°	7311.6	7230.8	7026.2	6825.9	6576.5	6529.0	6435.3	6853.2	8172.0	9293.3
45°	7792.9	7696.4	7448.5	7194.8	7037.7	6874.9	6922.4	7328.9	8749.9	10129.2
47.5°	8244.1	8136.0	7843.4	7560.9	7474.4	7166.0	7369.2	7852.0	9351.0	10976.7
50°	8487.6	8381.0	8137.4	7882.3	7814.6	7524.9	7853.5	8427.1	9980.8	11821.3
52.5°	8690.9	8575.6	8257.0	8115.8	8095.6	7915.5	8450.2	9084.3	10610.6	12567.9
55°	8907.0	8778.8	8372.3	8245.5	8337.7	8353.6	9157.8	9829.5	11276.5	13295.7
57.5°	9156.4	8993.5	8483.3	8355.0	8574.1	8866.7	9970.7	10602.0	11930.8	13970.2
60°	9391.3	9227.0	8696.6	8529.4	8829.2	9461.9	10903.2	11537.4	12671.6	14571.2
62.5°	9437.4	9302.0	8866.7	8865.2	9175.1	10156.6	12007.2	12481.4	13318.8	15165.0
65°	8639.0	8553.9	8295.9	8852.3	9670.9	11156.9	13236.6	13689.2	14141.7	15683.9
67.5°	6575.1	6586.6	6567.9	7641.6	9270.2	12593.8	15016.6	14982.0	15157.8	16266.2
70°	3006.5	3074.2	3515.3	5275.0	7426.9	12759.6	17959.7	17511.4	16433.4	17020.0
72.5°	1624.3	1676.2	1856.4	2555.4	4465.1	11344.2	20159.0	20477.6	18129.7	17527.3
75°	1191.9	1220.8	1346.1	1624.3	1875.1	8431.4	19370.7	21005.1	18341.6	16344.0
77.5°	892.1	905.1	1007.4	1287.1	959.9	4444.9	15477.8	17396.1	15701.2	13428.3
80°	647.1	661.5	737.9	965.7	673.1	1625.8	10627.9	12210.4	10753.3	8559.7
82.5°	446.8	452.6	485.7	657.2	469.9	631.3	6030.3	7160.2	6002.9	3003.6
85°	269.5	276.7	291.1	383.4	266.6	299.8	2602.9	2692.3	1794.4	717.8
87.5°	111.0	118.2	129.7	161.4	105.2	83.6	429.5	539.0	335.8	210.4
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°
4917.6	0°	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6	4917.6
4932.0	2.5°	4924.8	4914.7	4887.3	4849.9	4815.3	4772.0	4753.3	4737.5	4723.0	4695.7
4970.9	5°	4955.1	4927.7	4854.2	4759.1	4651.0	4532.8	4417.5	4338.2	4270.5	4220.0
5015.6	7.5°	5001.2	4949.3	4815.3	4620.7	4372.8	4119.1	3890.0	3727.1	3604.6	3559.9
5079.0	10°	5048.8	4986.8	4753.3	4410.3	3982.2	3591.6	3287.5	3120.3	3022.3	2990.6
5154.0	12.5°	5105.0	5014.2	4656.7	4117.7	3545.5	3117.5	2852.3	2754.3	2703.8	2686.5
5246.2	15°	5187.1	5037.2	4511.2	3751.6	3129.0	2771.6	2600.1	2532.3	2506.4	2504.9
5341.3	17.5°	5249.1	5041.6	4284.9	3359.6	2809.0	2562.6	2421.3	2395.4	2412.7	2438.6
5435.0	20°	5318.3	5002.6	3988.0	3002.2	2584.2	2379.5	2320.4	2337.7	2379.5	2417.0
5559.0	22.5°	5367.3	4932.0	3629.1	2724.0	2389.6	2274.3	2271.4	2307.5	2330.5	2349.3
5704.5	25°	5410.5	4812.4	3248.6	2490.5	2229.6	2210.9	2242.6	2231.1	2215.2	2231.1
5850.1	27.5°	5442.2	4623.6	2908.5	2285.9	2117.2	2167.7	2148.9	2123.0	2121.5	2130.2
6021.6	30°	5432.1	4371.4	2628.9	2091.3	2038.0	2087.0	2042.3	2038.0	2033.6	2038.0
6279.6	32.5°	5432.1	4084.6	2414.1	1957.2	1987.5	1968.8	1964.5	1954.4	1937.1	1935.6
6629.8	35°	5462.4	3797.7	2229.6	1885.2	1945.7	1901.0	1903.9	1879.4	1843.4	1826.1
7093.9	37.5°	5524.4	3567.1	2046.6	1850.6	1872.2	1870.8	1859.2	1817.4	1754.0	1699.3
7673.3	40°	5674.3	3499.4	1921.2	1834.7	1837.6	1854.9	1824.6	1743.9	1599.8	1510.5
8261.4	42.5°	5909.2	3613.3	1893.8	1795.8	1814.6	1831.9	1772.8	1585.4	1483.1	1429.7
8878.2	45°	6207.5	3812.2	1952.9	1739.6	1759.8	1790.1	1614.2	1524.9	1478.7	1480.2
9489.3	47.5°	6585.2	4021.1	2062.5	1690.6	1680.5	1697.8	1509.0	1454.2	1390.8	1406.7
10075.9	50°	7021.9	4233.0	2166.2	1624.3	1592.6	1536.4	1441.3	1389.4	1308.7	1271.2
10642.3	52.5°	7494.6	4437.7	2208.0	1543.6	1497.5	1432.6	1395.1	1331.7	1233.7	1171.8
11177.0	55°	7942.8	4623.6	2161.9	1447.0	1402.4	1351.9	1346.1	1307.2	1202.0	1115.5
11652.7	57.5°	8366.6	4779.3	2046.6	1349.0	1305.8	1275.5	1314.4	1295.7	1163.1	1052.1
12102.3	60°	8725.4	4885.9	1879.4	1249.6	1219.3	1203.5	1262.6	1256.8	1108.3	984.4
12505.9	62.5°	9010.8	4927.7	1694.9	1154.5	1147.3	1118.4	1190.5	1190.5	1039.2	918.1
12860.4	65°	9234.2	4887.3	1507.6	1060.8	1075.2	1031.9	1102.6	1093.9	965.7	859.0
13268.3	67.5°	9431.7	4754.7	1300.0	968.5	1001.7	946.9	1010.3	990.2	884.9	799.9
13621.4	70°	9519.6	4446.3	1063.7	876.3	916.6	863.3	918.1	880.6	794.1	736.5
13233.7	72.5°	8813.4	3695.4	837.4	779.7	814.3	771.1	818.6	775.4	696.1	670.2
11427.8	75°	7291.4	2773.0	644.2	674.5	700.5	667.3	699.0	667.3	595.2	614.0
8441.5	77.5°	5295.2	1872.2	492.9	563.5	575.1	557.8	585.2	549.1	484.3	479.9
4207.1	80°	2633.2	1096.8	386.3	445.4	441.0	429.5	461.2	443.9	389.1	412.2
1135.7	82.5°	762.4	469.9	281.0	312.8	304.1	307.0	330.1	338.7	507.3	503.0
353.1	85°	239.3	184.5	168.6	174.4	165.7	170.1	194.6	386.3	357.4	209.0
109.5	87.5°	62.0	63.4	41.8	44.7	46.1	54.8	62.0	234.9	112.4	73.5
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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<u>180°</u>
4917.6
4682.7
4178.2
3482.1
2941.6
2690.9
2510.7
2448.7
2430.0
2359.4
2241.2
2144.6
2053.8
1954.4
1843.4
1718.0
1522.0
1429.7
1487.4
1447.0
1281.3
1170.3
1115.5
1046.4
980.1
913.8
853.2
794.1
725.0
648.6
560.7
458.3
407.9
514.5
226.3
77.8
0.0

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