

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: P952950

Luminaire Tested: **GALN-SB6C-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
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-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

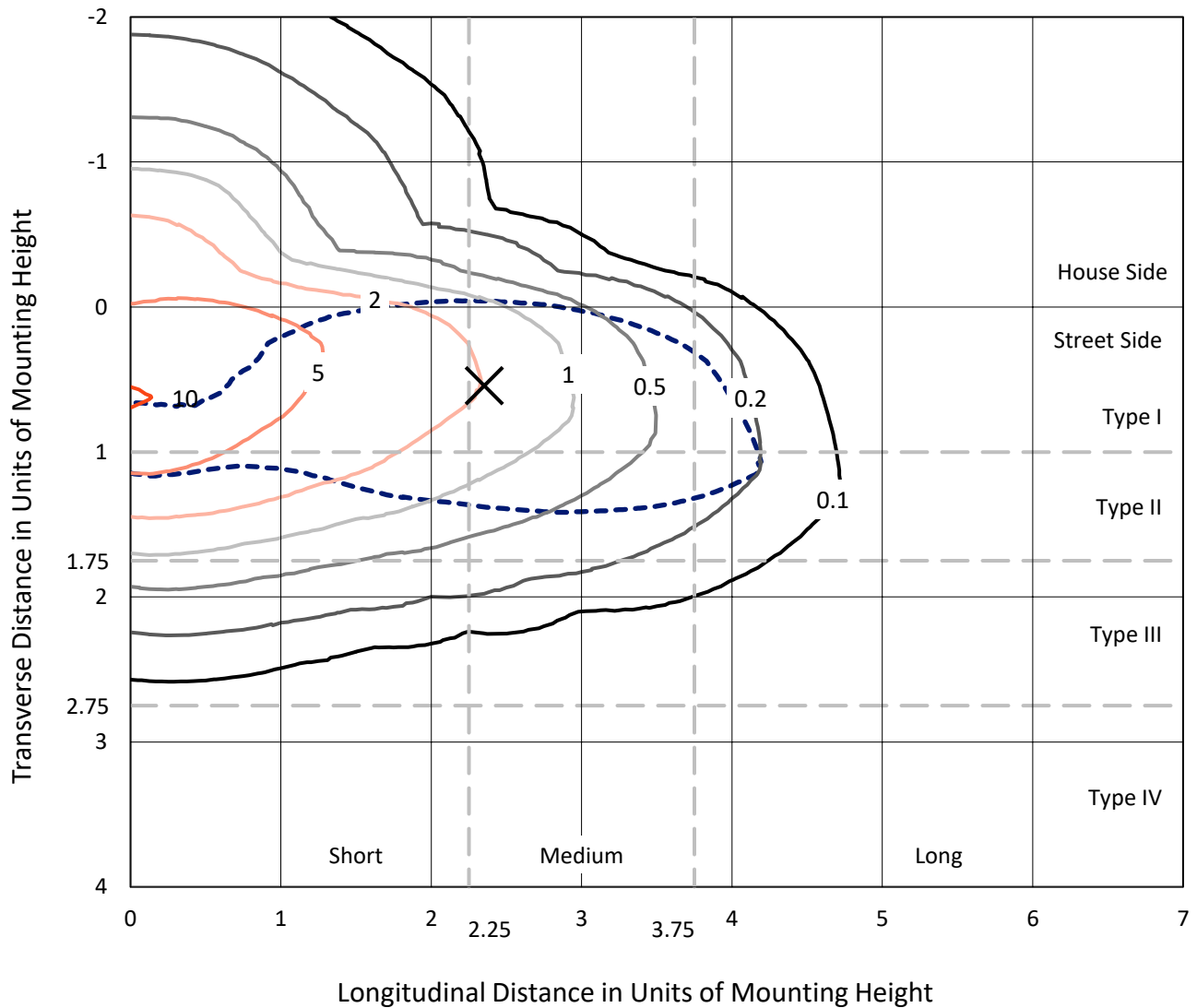
Lumens per Lamp: N/A  
Luminaire Lumens: 28156 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

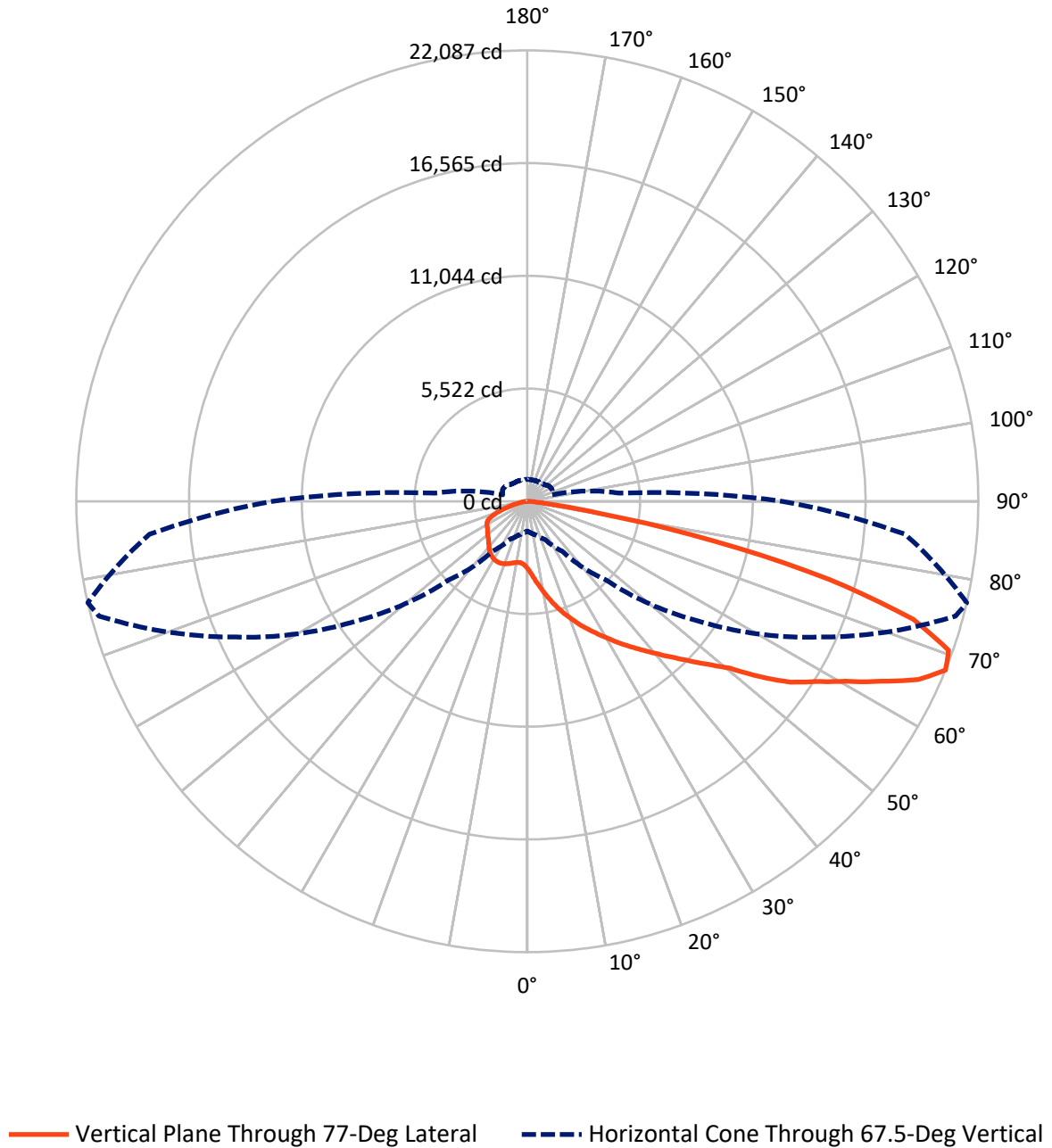
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5326.0	0.0	5326.0
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	22830.0	0.0	22830.0
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	28156.0	0.0	28156.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.1	1.3
10°-20°	1272.1	4.5
20°-30°	2401.9	8.5
30°-40°	3869.4	13.7
40°-50°	5292.7	18.8
50°-60°	5970.2	21.2
60°-70°	5572.4	19.8
70°-80°	3054.6	10.8
80°-90°	368.5	1.3
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°	28156.0	100.0
0°-180°	28156.0	100.0



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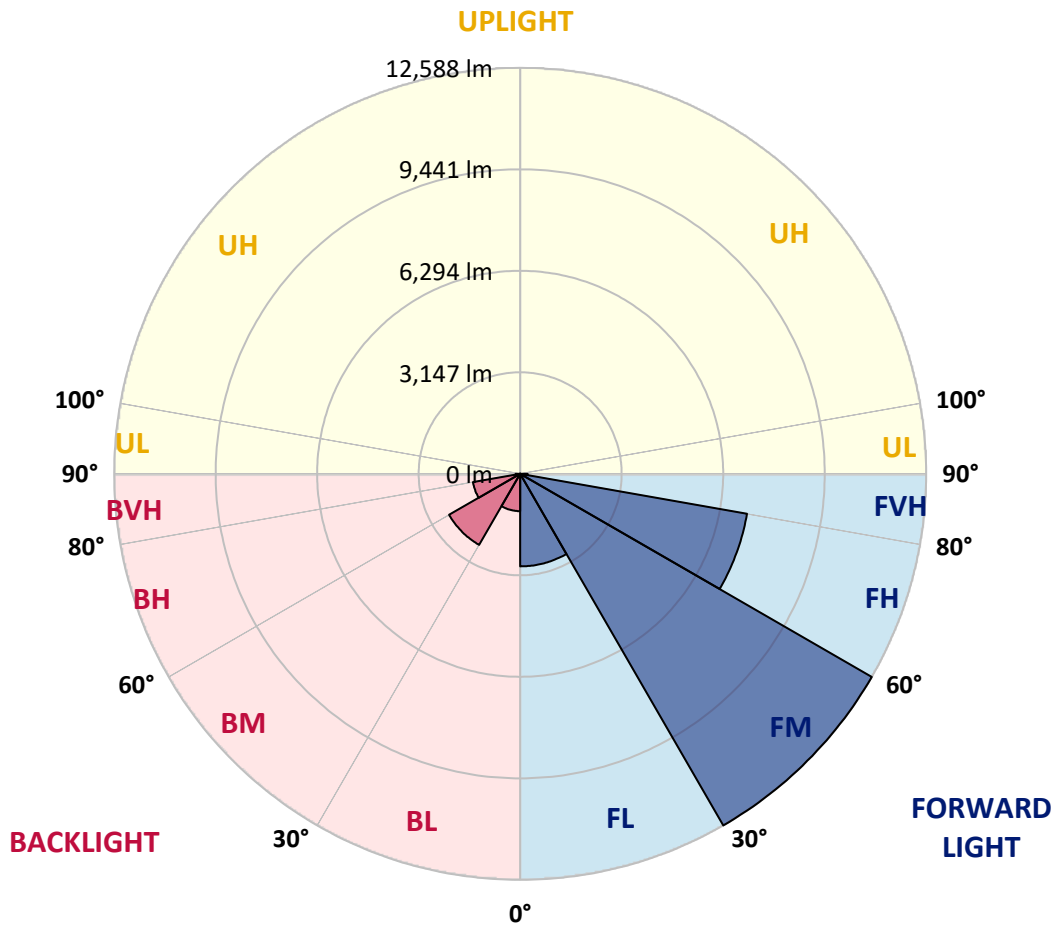
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2870.2	10.2			
FM (30°-60°)	12588.2	44.7			
FH (60°-80°)	7141.2	25.4			G3/7500
FVH (80°-90°)	230.4	0.8			G3/500
BL (0°-30°)	1158.0	4.1	B3/2500		
BM (30°-60°)	2544.1	9.0	B3/5000		
BH (60°-80°)	1485.9	5.3	B3/2500		G3/2500
BVH (80°-90°)	138.0	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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6
2.5°	4136.4	4165.4	4129.1	4129.1	4007.0	3943.1	3821.0	3728.0	3560.8	3531.8
5°	4889.2	4925.6	4874.7	4852.9	4709.0	4576.8	4371.8	4169.8	3871.9	3841.3
7.5°	5472.0	5518.6	5473.5	5450.2	5322.3	5174.1	4934.3	4652.3	4232.3	4172.7
10°	5947.3	5954.6	5940.0	5948.8	5848.5	5726.4	5480.8	5152.3	4627.6	4546.2
12.5°	6216.2	6249.6	6278.7	6331.0	6313.6	6238.0	6017.1	5624.7	5046.2	4941.6
15°	6342.6	6400.8	6466.2	6586.8	6684.2	6703.1	6534.5	6131.9	5472.0	5345.6
17.5°	6387.7	6442.9	6546.1	6720.5	6929.8	7070.8	6995.2	6624.6	5893.5	5748.2
20°	6615.9	6631.9	6694.4	6860.0	7086.8	7320.8	7377.4	7098.4	6310.7	6146.4
22.5°	7104.2	7072.2	7089.7	7165.3	7328.0	7554.8	7684.1	7517.0	6739.4	6550.5
25°	7910.8	7817.8	7724.8	7637.6	7720.4	7848.3	7995.1	7935.6	7188.5	6948.7
27.5°	8929.7	8816.3	8611.4	8325.1	8224.8	8269.8	8335.2	8323.6	7604.2	7361.5
30°	9932.5	9800.3	9556.1	9141.9	8877.4	8758.2	8708.8	8675.3	8056.2	7797.5
32.5°	10733.3	10628.7	10388.9	9925.3	9541.6	9338.1	9173.8	9054.7	8528.5	8269.8
35°	11433.9	11336.5	11061.8	10556.0	10138.9	9922.3	9707.2	9452.9	9019.8	8758.2
37.5°	12073.4	11976.0	11599.6	11073.4	10653.4	10503.7	10311.9	9880.2	9512.5	9265.4
40°	12477.4	12455.6	12103.9	11508.0	11072.0	10997.9	10933.9	10375.8	10059.0	9829.3
42.5°	12580.6	12628.6	12349.5	11859.7	11444.1	11384.5	11534.2	10936.8	10672.3	10452.8
45°	12332.1	12470.2	12287.0	11954.2	11708.6	11676.6	12066.1	11550.2	11351.0	11150.5
47.5°	11702.8	11936.8	11861.2	11814.7	11779.8	11917.9	12534.1	12201.3	12119.9	11945.5
50°	10432.5	10875.8	11008.0	11301.6	11638.8	12105.4	12959.9	12912.0	13018.1	12842.2
52.5°	8236.4	8846.8	9614.2	10349.6	11205.7	12042.9	13427.9	13932.3	14379.9	14284.0
55°	6799.0	7073.7	7663.8	9012.5	10365.6	11779.8	13638.7	14756.3	15731.6	15645.8
57.5°	5694.4	5940.0	6303.4	7429.8	9095.4	11182.4	13769.5	15259.2	16657.4	16648.7
60°	4509.9	4770.1	5142.1	5940.0	7611.4	10150.5	13740.4	15831.9	17839.0	17911.7
62.5°	3172.8	3459.1	3871.9	4616.0	6095.6	8813.4	13147.4	16246.1	19229.9	19427.6
65°	2085.6	2274.6	2585.6	3228.0	4541.9	7094.0	12015.2	16299.9	20718.2	21052.5
67.5°	1462.1	1534.8	1717.9	2066.7	2994.0	5440.1	10211.6	15743.2	21710.9	22087.3
70°	1140.9	1177.3	1270.3	1409.8	1880.7	3658.2	7825.1	14295.6	21498.7	21891.1
72.5°	985.4	1020.3	1055.2	1072.6	1261.5	2258.6	5300.5	11952.7	19500.2	19766.2
75°	893.8	902.6	931.6	925.8	962.1	1465.0	3059.4	8708.8	15385.7	15294.1
77.5°	751.4	763.0	811.0	803.7	854.6	1001.4	1588.6	5620.3	9974.7	9352.6
80°	636.6	642.4	694.7	686.0	742.7	725.2	811.0	2864.6	4230.8	3584.1
82.5°	220.9	273.2	530.5	546.5	566.8	438.9	468.0	1168.5	1292.1	989.8
85°	107.6	114.8	270.3	383.7	382.2	220.9	228.2	417.1	407.0	319.7
87.5°	17.4	21.8	32.0	149.7	119.2	58.1	78.5	81.4	84.3	72.7
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°
3303.6	0°	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6
3421.3	2.5°	3339.9	3267.2	3114.6	2973.7	2863.2	2757.1	2697.5	2646.6	2617.6	2611.8
3581.2	5°	3430.0	3280.3	3002.7	2768.7	2616.1	2502.8	2443.2	2405.4	2386.5	2374.9
3796.3	7.5°	3559.4	3339.9	2944.6	2678.6	2518.7	2437.3	2406.8	2401.0	2399.6	2401.0
4056.4	10°	3738.1	3437.3	2938.8	2656.8	2523.1	2478.0	2476.6	2478.0	2483.9	2485.3
4339.8	12.5°	3931.4	3537.6	2962.0	2675.7	2578.3	2553.6	2549.3	2547.8	2552.2	2555.1
4626.2	15°	4142.2	3669.8	3001.3	2716.4	2639.4	2613.2	2608.8	2600.1	2598.7	2597.2
4927.0	17.5°	4358.7	3800.6	3044.9	2760.0	2678.6	2642.3	2626.3	2605.9	2590.0	2585.6
5238.0	20°	4578.2	3930.0	3075.4	2781.8	2681.5	2630.7	2598.7	2563.8	2536.2	2520.2
5552.0	22.5°	4812.2	4065.2	3094.3	2776.0	2655.4	2585.6	2527.5	2486.8	2444.6	2417.0
5868.8	25°	5040.4	4182.9	3092.8	2745.5	2604.5	2515.8	2441.7	2389.4	2331.3	2302.2
6195.8	27.5°	5259.8	4289.0	3056.5	2691.7	2531.8	2433.0	2344.3	2281.8	2225.2	2197.5
6525.8	30°	5486.6	4377.6	2999.8	2613.2	2446.1	2337.1	2239.7	2185.9	2135.0	2108.9
6874.6	32.5°	5711.9	4459.0	2919.9	2515.8	2347.2	2242.6	2146.7	2097.3	2066.7	2066.7
7249.5	35°	5950.2	4515.7	2813.8	2402.5	2242.6	2142.3	2066.7	2037.7	2034.8	2017.3
7646.3	37.5°	6201.6	4552.0	2684.4	2286.2	2139.4	2044.9	2021.7	1986.8	1957.7	1919.9
8082.3	40°	6466.2	4588.4	2528.9	2165.6	2030.4	1978.1	1967.9	1921.4	1838.5	1745.5
8576.5	42.5°	6787.4	4613.1	2367.6	2044.9	1915.6	1898.1	1912.7	1832.7	1700.5	1630.7
9172.4	45°	7159.4	4653.8	2219.3	1925.8	1797.9	1797.9	1858.9	1754.3	1645.2	1601.6
9852.6	47.5°	7642.0	4748.3	2081.3	1794.9	1688.8	1717.9	1739.7	1659.8	1598.7	1545.0
10681.0	50°	8339.6	4975.0	1938.8	1662.7	1606.0	1664.1	1633.6	1587.1	1515.9	1472.3
11997.8	52.5°	9205.8	5108.7	1812.4	1543.5	1534.8	1592.9	1549.3	1505.7	1451.9	1393.8
12996.3	55°	9795.9	5133.4	1706.3	1456.3	1486.8	1481.0	1465.0	1425.8	1396.7	1319.7
13981.7	57.5°	10455.7	5182.8	1619.1	1404.0	1456.3	1392.4	1386.5	1353.1	1315.3	1263.0
15183.6	60°	11244.9	5259.8	1543.5	1383.6	1430.1	1334.2	1305.2	1292.1	1254.3	1228.1
16629.8	62.5°	12105.4	5329.6	1466.5	1386.5	1399.6	1277.5	1233.9	1229.6	1206.3	1197.6
17987.3	65°	12692.5	5139.2	1370.6	1383.6	1351.7	1219.4	1164.2	1162.7	1143.8	1140.9
18575.9	67.5°	12487.6	4536.1	1241.2	1342.9	1302.2	1161.3	1100.2	1094.4	1069.7	1071.2
17961.1	70°	11461.5	3675.6	1062.4	1242.7	1241.2	1108.9	1033.4	1014.5	981.0	986.9
15616.8	72.5°	9537.2	2723.7	822.6	1075.5	1143.8	1061.0	956.3	925.8	883.7	889.5
11528.4	75°	6887.7	1851.6	598.8	818.3	995.6	1004.3	880.8	828.4	777.6	786.3
6416.8	77.5°	3524.5	1049.4	440.4	563.9	781.9	912.7	812.4	742.7	731.1	812.4
1850.2	80°	1149.6	526.1	305.2	395.3	513.0	747.0	712.2	632.2	629.3	648.2
388.1	82.5°	343.0	222.4	196.2	260.2	283.4	572.6	614.8	478.2	411.3	433.1
129.4	85°	117.7	107.6	111.9	129.4	135.2	335.7	430.2	316.8	299.4	329.9
29.1	87.5°	27.6	37.8	32.0	29.1	29.1	81.4	167.1	132.3	183.1	122.1
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>
3303.6
2611.8
2373.4
2405.4
2486.8
2556.5
2595.8
2590.0
2526.0
2418.5
2302.2
2196.1
2107.4
2068.2
2013.0
1914.1
1732.5
1632.2
1608.9
1543.5
1467.9
1382.2
1321.1
1245.6
1235.4
1197.6
1139.5
1071.2
992.7
888.0
789.2
800.8
556.7
447.6
325.6
117.7
0.0

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