

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: P952994

Luminaire Tested: **GALN-SB6C-935-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-935-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

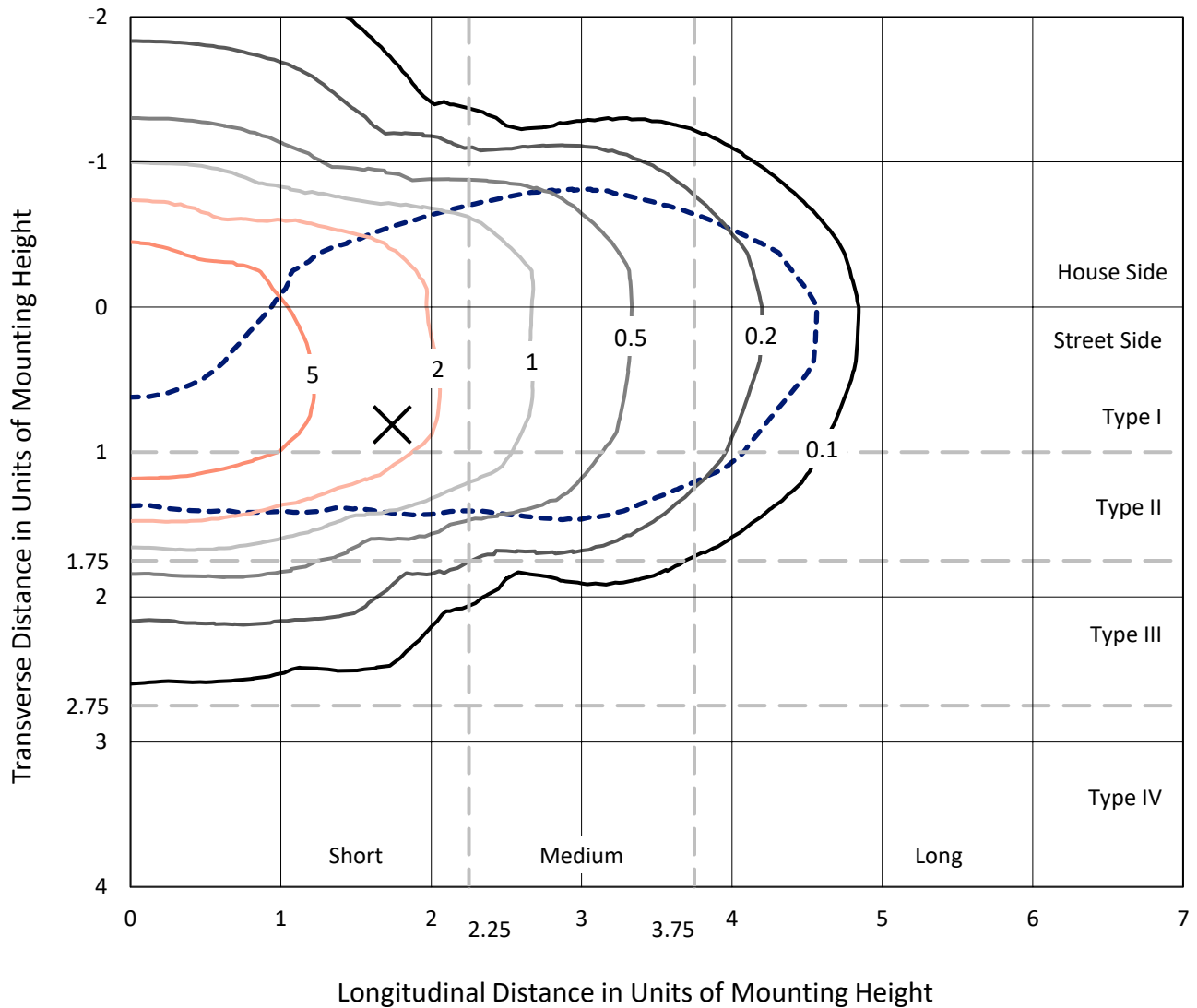
Lumens per Lamp: N/A  
Luminaire Lumens: 32016 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

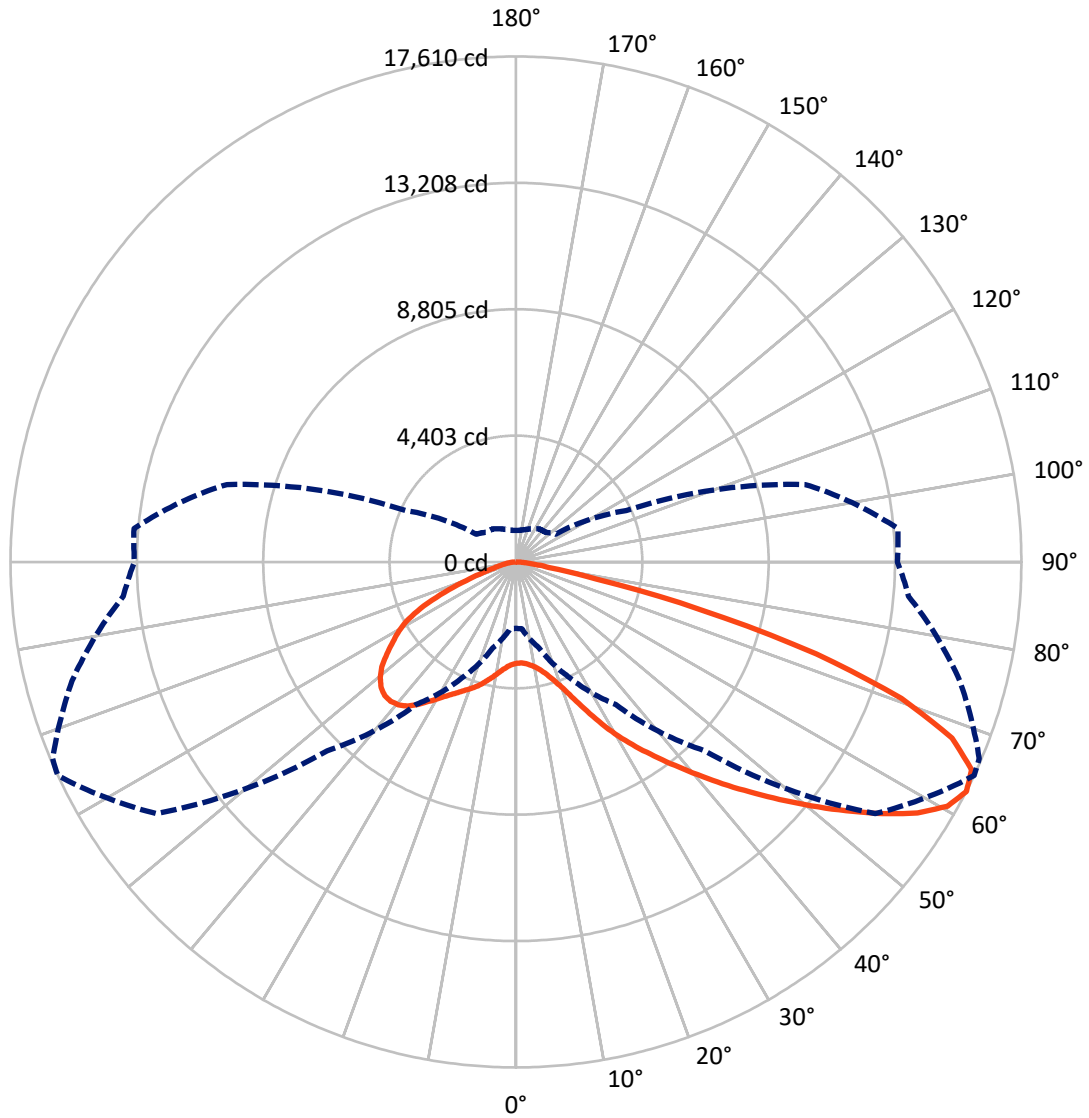
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10102.9	0.0	10102.9
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	21913.2	0.0	21913.2
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	32016.0	0.0	32016.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.7	1.1
10°-20°	1192.8	3.7
20°-30°	2418.5	7.6
30°-40°	4185.2	13.1
40°-50°	6333.4	19.8
50°-60°	7425.6	23.2
60°-70°	6225.4	19.4
70°-80°	3436.9	10.7
80°-90°	446.4	1.4
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°	32016.0	100.0
0°-180°	32016.0	100.0

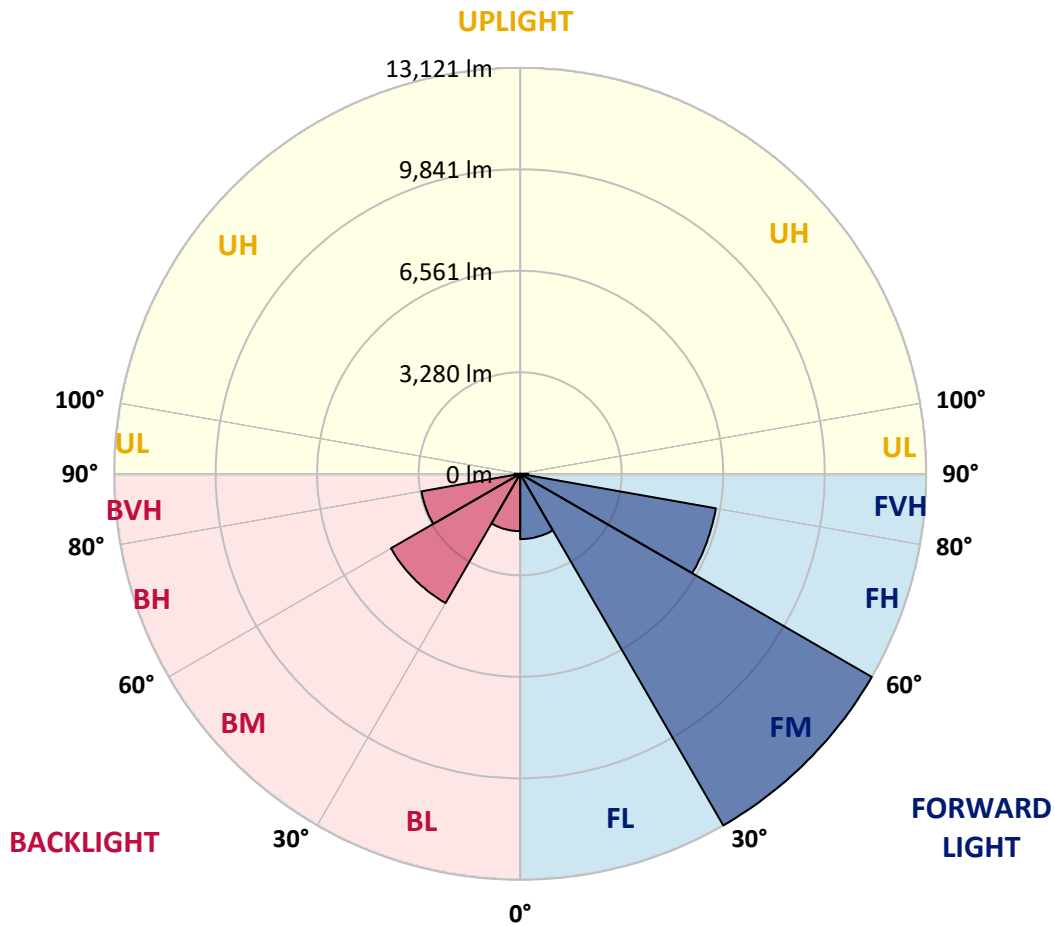


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2110.3	6.6			
FM (30°-60°)	13121.2	41.0			
FH (60°-80°)	6421.5	20.1			G3/7500
FVH (80°-90°)	260.2	0.8			G3/500
BL (0°-30°)	1852.7	5.8	B3/2500		
BM (30°-60°)	4823.0	15.1	B3/5000		
BH (60°-80°)	3240.9	10.1	B4/5000		G4/5000
BVH (80°-90°)	186.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0
2.5°	3504.8	3494.8	3503.1	3503.1	3506.4	3504.8	3516.4	3519.7	3524.7	3534.7
5°	3469.9	3468.2	3483.2	3496.5	3509.8	3521.4	3536.3	3557.9	3561.2	3572.9
7.5°	3458.3	3448.3	3471.5	3488.2	3519.7	3548.0	3587.8	3624.4	3639.3	3644.3
10°	3548.0	3531.3	3552.9	3562.9	3589.5	3617.7	3664.2	3722.4	3739.0	3758.9
12.5°	3700.8	3682.5	3714.1	3729.0	3753.9	3778.8	3810.4	3866.9	3875.2	3911.7
15°	3910.1	3888.5	3908.4	3926.7	3968.2	3991.5	4023.0	4077.8	4077.8	4106.1
17.5°	4194.1	4165.9	4180.8	4187.5	4214.0	4248.9	4302.1	4350.2	4375.1	4365.2
20°	4617.7	4582.8	4582.8	4549.6	4539.6	4567.8	4637.6	4704.0	4730.6	4679.1
22.5°	5253.8	5204.0	5175.8	5062.8	5018.0	5021.3	5091.1	5172.4	5194.0	5102.7
25°	6062.8	5984.7	5946.5	5780.4	5679.1	5591.0	5645.8	5750.5	5780.4	5667.4
27.5°	6871.7	6876.7	6840.1	6640.8	6473.0	6311.9	6283.7	6393.3	6424.9	6297.0
30°	8006.2	7888.2	7818.5	7579.3	7340.1	7114.2	6997.9	7042.8	7051.1	6898.3
32.5°	8984.5	8954.6	8805.1	8595.8	8288.5	7934.7	7740.4	7669.0	7655.7	7438.1
35°	10099.1	10082.4	9924.6	9675.5	9343.3	8851.6	8501.1	8296.8	8280.2	7974.6
37.5°	11231.9	11231.9	11077.4	10805.0	10461.2	9846.6	9313.4	8989.5	8936.3	8537.7
40°	12135.5	12080.7	12108.9	11994.3	11600.6	10947.8	10215.3	9745.3	9673.8	9195.5
42.5°	12648.7	12630.5	12799.9	12927.8	12766.7	12245.1	11208.6	10564.1	10464.5	9919.7
45°	12763.3	12743.4	13045.7	13514.1	13740.0	13525.8	12288.3	11426.2	11305.0	10677.1
47.5°	12499.2	12459.4	12902.9	13642.0	14366.2	14743.3	13457.7	12361.4	12185.3	11414.6
50°	11705.3	11667.1	12338.1	13319.8	14577.2	15570.5	14726.7	13353.0	13083.9	12205.2
52.5°	9979.5	9997.7	11049.2	12397.9	14299.8	16085.4	15819.6	14397.8	14073.9	13014.2
55°	7773.6	7813.5	9105.8	10590.7	13190.2	16007.3	16565.4	15474.1	15151.9	13774.9
57.5°	5566.1	5742.2	6953.1	8423.1	11059.1	14769.9	16728.2	16497.3	16185.1	14605.4
60°	3607.8	3639.3	4885.1	6366.7	8421.4	12570.7	16397.7	17273.0	17028.9	15452.5
62.5°	2312.2	2333.7	3092.8	4453.2	6061.1	9300.1	15284.8	17610.2	17535.5	16012.3
65°	1699.2	1682.6	2077.9	2943.3	4082.8	5735.5	13123.8	17447.4	17595.3	16362.8
67.5°	1418.5	1395.3	1589.6	2038.1	3008.1	3257.3	9710.4	16389.4	16930.9	16322.9
70°	1292.3	1272.3	1390.3	1513.2	2347.0	2180.9	4895.1	14248.3	15082.1	15869.5
72.5°	1094.6	1059.7	1220.9	1343.8	1825.5	1672.7	2023.1	10944.5	11961.1	14416.1
75°	848.8	825.5	963.4	1182.7	1372.0	1305.6	1279.0	6645.8	7755.3	11148.8
77.5°	672.7	641.2	767.4	921.9	1234.1	985.0	931.8	2862.0	3961.6	7117.5
80°	506.6	478.4	583.0	729.2	948.4	742.5	603.0	1167.7	1493.3	3606.1
82.5°	360.4	335.5	407.0	534.9	637.8	666.1	370.4	654.4	735.8	1390.3
85°	230.9	215.9	272.4	335.5	405.3	428.5	225.9	342.2	375.4	573.1
87.5°	126.2	103.0	146.2	156.1	187.7	171.1	108.0	124.6	134.5	207.6
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°
3528.0	0°	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0	3528.0
3534.7	2.5°	3541.3	3546.3	3562.9	3567.9	3579.5	3594.5	3604.4	3614.4	3614.4	3624.4
3587.8	5°	3589.5	3601.1	3636.0	3654.3	3684.2	3714.1	3732.3	3753.9	3767.2	3773.9
3672.5	7.5°	3682.5	3700.8	3750.6	3782.2	3833.7	3875.2	3903.4	3933.3	3940.0	3958.2
3790.5	10°	3808.7	3830.3	3886.8	3946.6	4008.1	4059.6	4086.1	4107.7	4116.0	4119.4
3941.6	12.5°	3953.2	3984.8	4057.9	4131.0	4195.8	4240.6	4247.2	4242.3	4219.0	4199.1
4127.7	15°	4131.0	4159.2	4240.6	4320.3	4383.5	4391.8	4350.2	4323.7	4295.4	4290.4
4335.3	17.5°	4343.6	4358.5	4433.3	4511.4	4516.3	4488.1	4426.6	4401.7	4375.1	4356.9
4606.0	20°	4591.1	4586.1	4639.3	4672.5	4637.6	4551.2	4458.2	4416.7	4390.1	4368.5
4938.2	22.5°	4886.7	4848.5	4841.9	4833.6	4740.6	4559.5	4433.3	4380.1	4338.6	4308.7
5401.7	25°	5317.0	5170.8	5069.5	5013.0	4803.7	4514.7	4353.6	4235.6	4157.6	4106.1
5968.1	27.5°	5855.1	5609.3	5353.5	5215.6	4803.7	4423.3	4160.9	3969.9	3842.0	3788.8
6516.2	30°	6368.4	6110.9	5733.9	5459.8	4792.1	4273.8	3850.3	3584.5	3435.0	3381.9
6984.6	32.5°	6806.9	6526.2	6137.5	5727.2	4763.8	4031.3	3464.9	3170.9	3026.4	2963.3
7448.1	35°	7213.8	6914.9	6542.8	6021.2	4689.1	3675.9	3041.3	2817.1	2656.0	2554.7
7919.8	37.5°	7630.8	7275.3	6926.5	6287.0	4554.5	3260.6	2715.8	2524.8	2335.4	2199.2
8421.4	40°	8084.2	7659.0	7336.8	6444.8	4333.6	2865.3	2463.3	2288.9	2087.9	1943.4
8999.5	42.5°	8614.1	8119.1	7793.5	6526.2	4031.3	2584.6	2298.9	2127.8	1938.4	1820.5
9619.0	45°	9167.2	8625.7	8210.5	6524.5	3694.1	2453.3	2245.7	2076.3	1867.0	1744.1
10255.2	47.5°	9746.9	9155.6	8570.9	6418.2	3401.8	2471.6	2215.8	1965.0	1734.1	1614.5
10898.0	50°	10328.3	9735.3	8919.7	6218.9	3277.2	2431.7	2104.5	1808.9	1536.5	1428.5
11501.0	52.5°	10904.7	10351.5	9220.4	5934.9	3151.0	2283.9	1961.7	1606.2	1455.1	1380.3
12123.8	55°	11484.4	10961.1	9547.6	5521.3	2835.4	2111.2	1722.5	1529.8	1390.3	1322.2
12733.4	57.5°	12065.7	11665.4	9858.2	5107.7	2438.4	1898.6	1591.3	1436.8	1325.5	1267.4
13243.4	60°	12670.3	12471.0	10178.8	4727.3	2046.4	1626.1	1494.9	1362.0	1249.1	1184.3
13733.4	62.5°	13293.2	13358.0	10429.6	4237.3	1685.9	1460.0	1408.6	1272.3	1162.7	1101.3
14138.7	65°	13921.1	14213.4	10594.0	3557.9	1367.0	1302.2	1315.5	1174.3	1063.1	1009.9
14436.0	67.5°	14394.5	14829.7	10547.5	2692.5	1121.2	1152.8	1199.3	1071.4	966.7	925.2
14387.8	70°	14447.6	14756.6	10089.1	1843.7	938.5	1006.6	1069.7	970.0	862.1	832.2
13710.1	72.5°	13740.0	13760.0	8811.8	1204.2	794.0	883.7	933.5	867.1	762.4	732.5
11994.3	75°	11884.7	11379.7	6469.7	794.0	664.4	759.1	805.6	759.1	657.8	664.4
8974.5	77.5°	9004.4	8059.3	3928.3	564.7	554.8	637.8	701.0	667.7	581.4	652.8
4513.0	80°	4639.3	4360.2	1752.4	421.9	438.5	509.9	576.4	533.2	460.1	438.5
1008.2	82.5°	1063.1	1235.8	691.0	302.3	317.3	367.1	440.2	400.3	330.5	279.1
420.2	85°	372.1	407.0	305.6	189.4	186.0	229.2	299.0	267.4	224.2	179.4
177.7	87.5°	117.9	154.5	114.6	76.4	79.7	103.0	137.9	126.2	104.6	68.1
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>
3528.0
3624.4
3777.2
3951.6
4111.0
4199.1
4290.4
4358.5
4370.2
4318.7
4126.0
3815.4
3413.4
2994.8
2587.9
2235.7
1971.6
1843.7
1764.0
1631.1
1435.1
1380.3
1315.5
1257.4
1179.3
1099.6
1008.2
926.9
833.8
730.9
641.2
574.7
400.3
275.7
189.4
71.4
0.0

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