

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: P952658

Luminaire Tested: **GALN-SB6B-940-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952658
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-SB6B-940-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25076 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

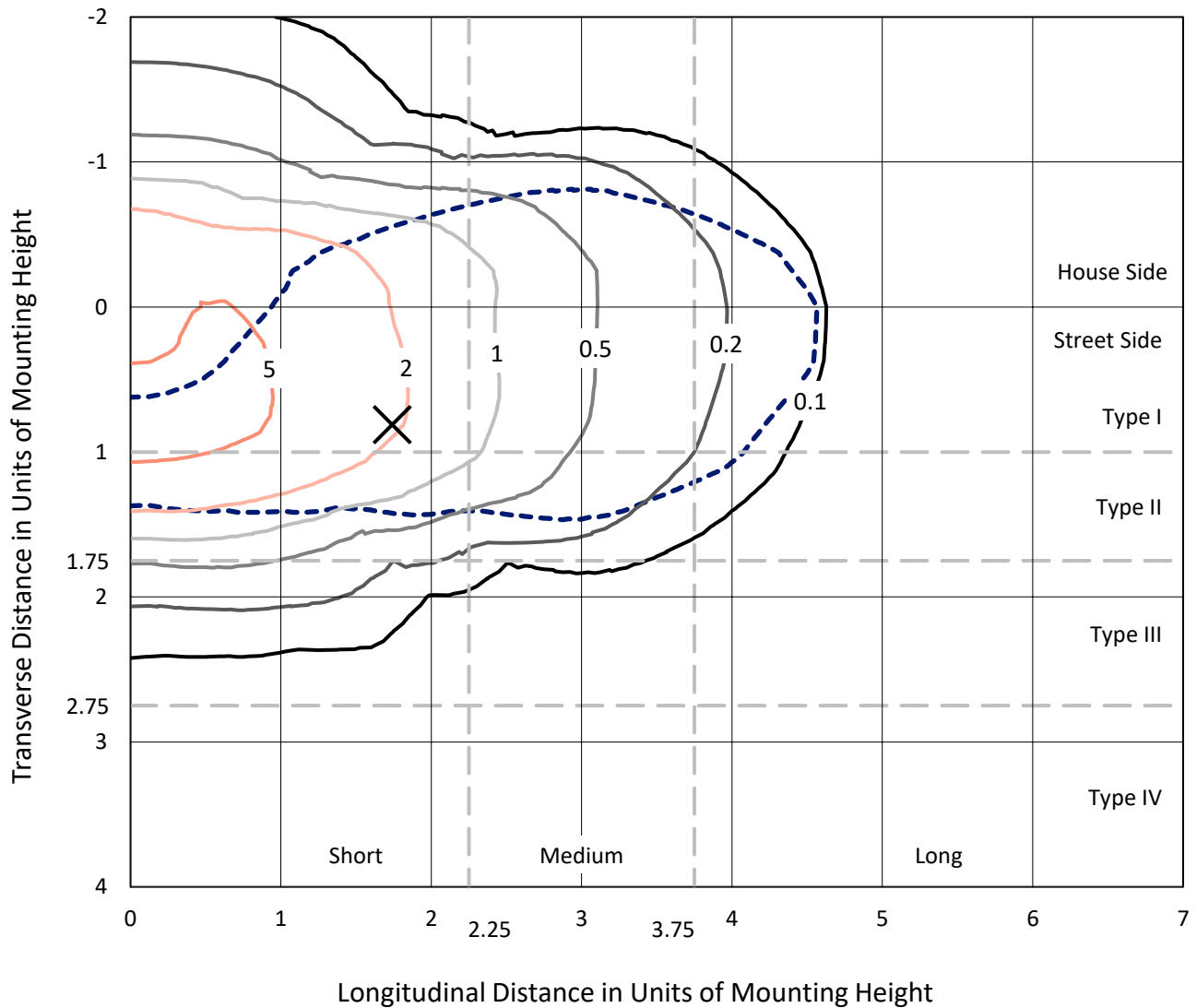
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

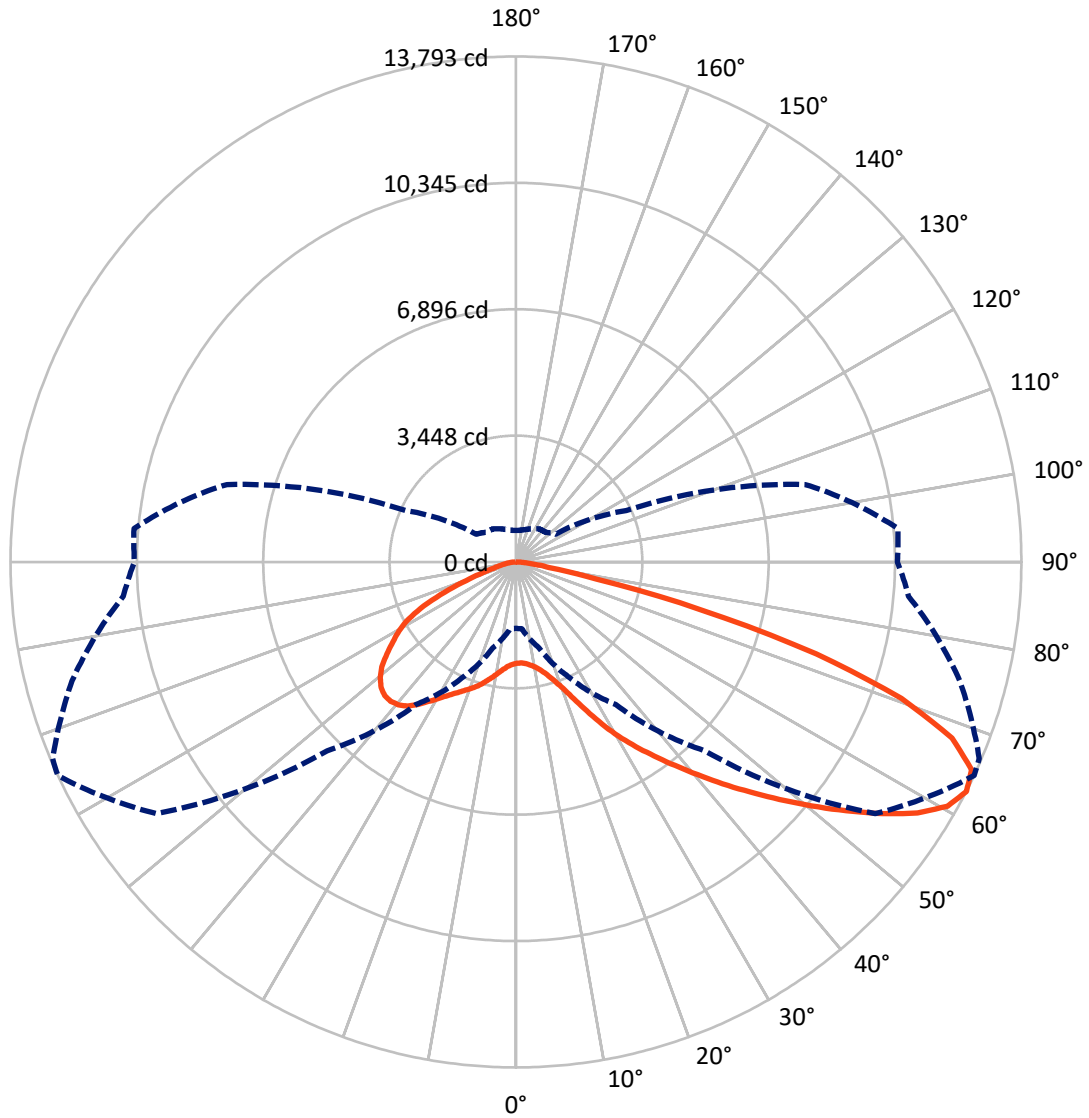
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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
House Side	Lumens	7912.9	0.0	7912.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17163.1	0.0	17163.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	25076.0	0.0	25076.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	1.1
10°-20°	934.2	3.7
20°-30°	1894.2	7.6
30°-40°	3278.0	13.1
40°-50°	4960.6	19.8
50°-60°	5815.9	23.2
60°-70°	4876.0	19.4
70°-80°	2691.9	10.7
80°-90°	349.7	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°	25076.0	100.0
0°-180°	25076.0	100.0



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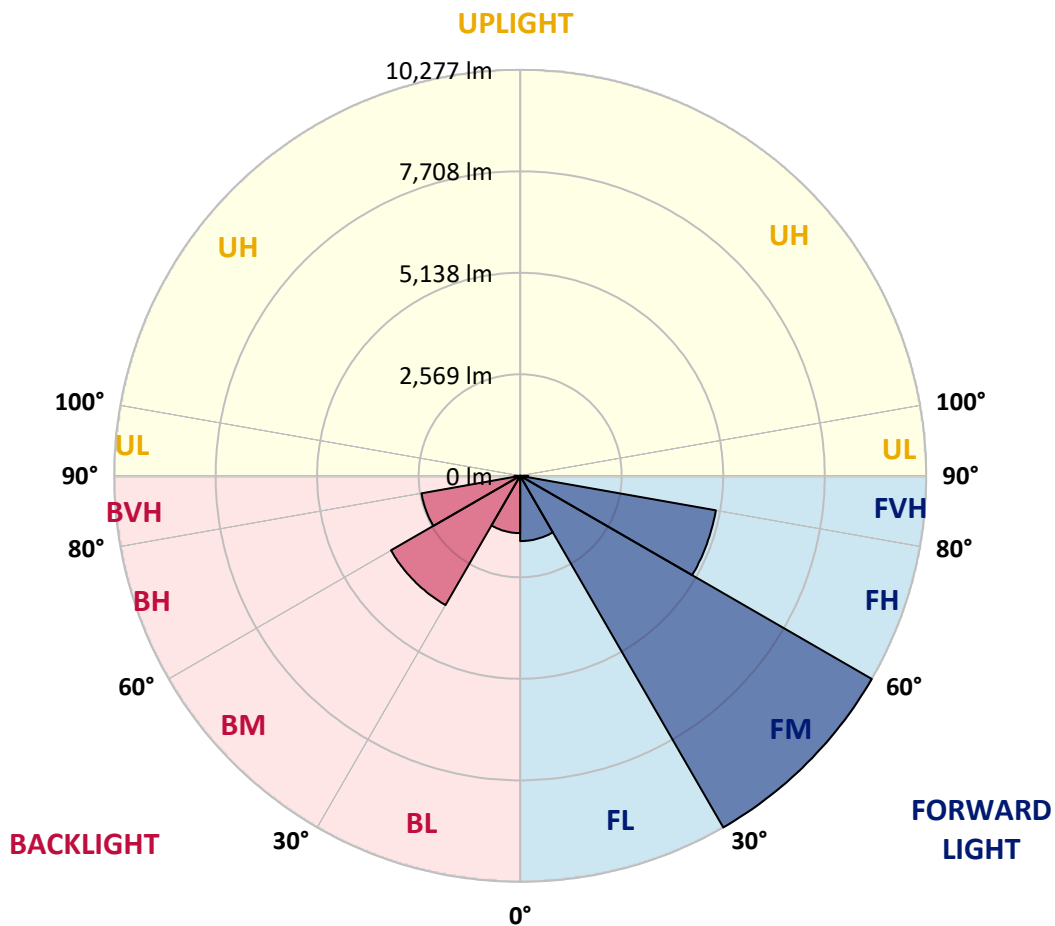
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1652.8	6.6			
FM (30°-60°)	10277.0	41.0			
FH (60°-80°)	5029.5	20.1			G3/7500
FVH (80°-90°)	203.8	0.8			G2/225
BL (0°-30°)	1451.1	5.8	B3/2500		
BM (30°-60°)	3777.5	15.1	B3/5000		
BH (60°-80°)	2538.4	10.1	B4/5000		G4/5000
BVH (80°-90°)	145.9	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°	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3
2.5°	2745.1	2737.2	2743.8	2743.8	2746.4	2745.1	2754.2	2756.8	2760.7	2768.5
5°	2717.7	2716.4	2728.1	2738.5	2749.0	2758.1	2769.8	2786.7	2789.3	2798.4
7.5°	2708.6	2700.8	2719.0	2732.0	2756.8	2778.9	2810.1	2838.7	2850.4	2854.3
10°	2778.9	2765.9	2782.8	2790.6	2811.4	2833.5	2869.9	2915.5	2928.5	2944.1
12.5°	2898.6	2884.3	2909.0	2920.7	2940.2	2959.7	2984.4	3028.7	3035.2	3063.8
15°	3062.5	3045.6	3061.2	3075.5	3108.0	3126.2	3151.0	3193.9	3193.9	3216.0
17.5°	3285.0	3262.8	3274.5	3279.8	3300.6	3327.9	3369.5	3407.2	3426.8	3419.0
20°	3616.7	3589.4	3589.4	3563.4	3555.6	3577.7	3632.3	3684.4	3705.2	3664.8
22.5°	4115.0	4075.9	4053.8	3965.4	3930.2	3932.8	3987.5	4051.2	4068.1	3996.6
25°	4748.6	4687.4	4657.5	4527.4	4448.0	4379.1	4422.0	4504.0	4527.4	4438.9
27.5°	5382.1	5386.0	5357.4	5201.3	5069.9	4943.7	4921.6	5007.4	5032.2	4932.0
30°	6270.7	6178.3	6123.7	5936.3	5749.0	5572.1	5481.0	5516.1	5522.6	5402.9
32.5°	7037.0	7013.5	6896.5	6732.5	6491.9	6214.7	6062.5	6006.6	5996.2	5825.8
35°	7909.9	7896.9	7773.3	7578.2	7318.0	6932.9	6658.4	6498.4	6485.3	6246.0
37.5°	8797.2	8797.2	8676.2	8462.8	8193.5	7712.2	7294.6	7040.9	6999.2	6687.0
40°	9504.9	9462.0	9484.1	9394.3	9086.0	8574.7	8001.0	7632.8	7576.9	7202.2
42.5°	9906.9	9892.6	10025.3	10125.5	9999.3	9590.8	8779.0	8274.2	8196.1	7769.4
45°	9996.7	9981.1	10217.8	10584.7	10761.6	10593.8	9624.6	8949.4	8854.4	8362.7
47.5°	9789.8	9758.6	10106.0	10684.9	11252.1	11547.4	10540.5	9681.8	9543.9	8940.3
50°	9168.0	9138.0	9663.6	10432.5	11417.3	12195.3	11534.4	10458.5	10247.8	9559.5
52.5°	7816.2	7830.6	8654.1	9710.5	11200.1	12598.6	12390.5	11276.8	11023.1	10193.1
55°	6088.6	6119.8	7131.9	8295.0	10331.0	12537.5	12974.6	12119.9	11867.5	10789.0
57.5°	4359.6	4497.5	5445.9	6597.2	8661.9	11568.3	13102.1	12921.3	12676.7	11439.5
60°	2825.7	2850.4	3826.2	4986.6	6595.9	9845.8	12843.2	13528.8	13337.6	12103.0
62.5°	1811.0	1827.9	2422.4	3487.9	4747.3	7284.1	11971.6	13792.9	13734.4	12541.4
65°	1330.9	1317.9	1627.5	2305.3	3197.8	4492.3	10279.0	13665.4	13781.2	12815.9
67.5°	1111.0	1092.8	1245.0	1596.3	2356.1	2551.2	7605.5	12836.7	13260.8	12784.7
70°	1012.2	996.5	1088.9	1185.2	1838.3	1708.2	3834.0	11159.7	11812.8	12429.5
72.5°	857.3	830.0	956.2	1052.5	1429.8	1310.1	1584.6	8572.1	9368.3	11291.1
75°	664.8	646.6	754.6	926.3	1074.6	1022.6	1001.7	5205.2	6074.2	8732.1
77.5°	526.9	502.2	601.0	722.0	966.6	771.5	729.8	2241.6	3102.8	5574.7
80°	396.8	374.7	456.6	571.1	742.9	581.5	472.3	914.6	1169.6	2824.4
82.5°	282.3	262.8	318.7	418.9	499.6	521.7	290.1	512.6	576.3	1088.9
85°	180.8	169.1	213.4	262.8	317.4	335.7	176.9	268.0	294.0	448.8
87.5°	98.9	80.7	114.5	122.3	147.0	134.0	84.6	97.6	105.4	162.6
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°
2763.3	0°	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3	2763.3
2768.5	2.5°	2773.7	2777.6	2790.6	2794.5	2803.6	2815.3	2823.1	2830.9	2830.9	2838.7
2810.1	5°	2811.4	2820.5	2847.8	2862.1	2885.6	2909.0	2923.3	2940.2	2950.6	2955.8
2876.5	7.5°	2884.3	2898.6	2937.6	2962.3	3002.6	3035.2	3057.3	3080.7	3085.9	3100.2
2968.8	10°	2983.1	3000.0	3044.3	3091.1	3139.2	3179.6	3200.4	3217.3	3223.8	3226.4
3087.2	12.5°	3096.3	3121.0	3178.3	3235.5	3286.3	3321.4	3326.6	3322.7	3304.5	3288.9
3232.9	15°	3235.5	3257.6	3321.4	3383.8	3433.3	3439.8	3407.2	3386.4	3364.3	3360.4
3395.5	17.5°	3402.0	3413.8	3472.3	3533.4	3537.3	3515.2	3467.1	3447.6	3426.8	3412.5
3607.6	20°	3595.9	3592.0	3633.6	3659.6	3632.3	3564.7	3491.8	3459.3	3438.5	3421.6
3867.8	22.5°	3827.5	3797.5	3792.3	3785.8	3713.0	3571.2	3472.3	3430.7	3398.1	3374.7
4230.8	25°	4164.4	4049.9	3970.6	3926.3	3762.4	3536.0	3409.9	3317.5	3256.3	3216.0
4674.4	27.5°	4585.9	4393.4	4193.0	4085.1	3762.4	3464.5	3258.9	3109.3	3009.2	2967.5
5103.7	30°	4987.9	4786.3	4491.0	4276.3	3753.3	3347.4	3015.7	2807.5	2690.4	2648.8
5470.6	32.5°	5331.4	5111.5	4807.1	4485.8	3731.2	3157.5	2713.8	2483.6	2370.4	2320.9
5833.6	35°	5650.1	5416.0	5124.5	4716.0	3672.6	2879.1	2382.1	2206.5	2080.3	2000.9
6203.0	37.5°	5976.7	5698.3	5425.1	4924.2	3567.3	2553.8	2127.1	1977.5	1829.2	1722.5
6595.9	40°	6331.8	5998.8	5746.4	5047.8	3394.2	2244.2	1929.3	1792.7	1635.3	1522.1
7048.7	42.5°	6746.8	6359.2	6104.2	5111.5	3157.5	2024.3	1800.5	1666.5	1518.2	1425.9
7533.9	45°	7180.1	6756.0	6430.7	5110.2	2893.4	1921.5	1758.9	1626.2	1462.3	1366.0
8032.2	47.5°	7634.1	7171.0	6713.0	5027.0	2664.4	1935.8	1735.5	1539.1	1358.2	1264.5
8535.7	50°	8089.4	7625.0	6986.2	4870.8	2566.8	1904.6	1648.3	1416.8	1203.4	1118.8
9007.9	52.5°	8540.9	8107.7	7221.7	4648.4	2467.9	1788.8	1536.4	1258.0	1139.7	1081.1
9495.8	55°	8994.9	8585.1	7478.0	4324.4	2220.8	1653.5	1349.1	1198.2	1088.9	1035.6
9973.3	57.5°	9450.3	9136.7	7721.3	4000.5	1909.8	1487.0	1246.3	1125.3	1038.2	992.6
10372.7	60°	9923.8	9767.7	7972.4	3702.6	1602.8	1273.7	1170.9	1066.8	978.3	927.6
10756.4	62.5°	10411.7	10462.4	8168.8	3318.8	1320.5	1143.6	1103.2	996.5	910.7	862.5
11073.9	65°	10903.5	11132.4	8297.6	2786.7	1070.7	1020.0	1030.4	919.8	832.6	791.0
11306.8	67.5°	11274.2	11615.1	8261.2	2108.9	878.2	902.9	939.3	839.1	757.2	724.6
11269.0	70°	11315.9	11557.8	7902.1	1444.1	735.0	788.4	837.8	759.8	675.2	651.8
10738.2	72.5°	10761.6	10777.3	6901.7	943.2	621.9	692.1	731.1	679.1	597.1	573.7
9394.3	75°	9308.5	8913.0	5067.3	621.9	520.4	594.5	631.0	594.5	515.2	520.4
7029.2	77.5°	7052.6	6312.3	3076.8	442.3	434.5	499.6	549.0	523.0	455.3	511.3
3534.7	80°	3633.6	3415.1	1372.5	330.4	343.5	399.4	451.4	417.6	360.4	343.5
789.7	82.5°	832.6	967.9	541.2	236.8	248.5	287.5	344.8	313.5	258.9	218.6
329.1	85°	291.4	318.7	239.4	148.3	145.7	179.5	234.2	209.5	175.6	140.5
139.2	87.5°	92.4	121.0	89.8	59.8	62.4	80.7	108.0	98.9	82.0	53.3
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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180°
2763.3
2838.7
2958.4
3095.0
3219.9
3288.9
3360.4
3413.8
3422.9
3382.5
3231.6
2988.3
2673.5
2345.7
2026.9
1751.1
1544.3
1444.1
1381.6
1277.6
1124.0
1081.1
1030.4
984.8
923.7
861.2
789.7
725.9
653.1
572.4
502.2
450.1
313.5
216.0
148.3
55.9
0.0

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