

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: P952616

Luminaire Tested: **GALN-SB6B-930-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952616
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-930-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24073 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

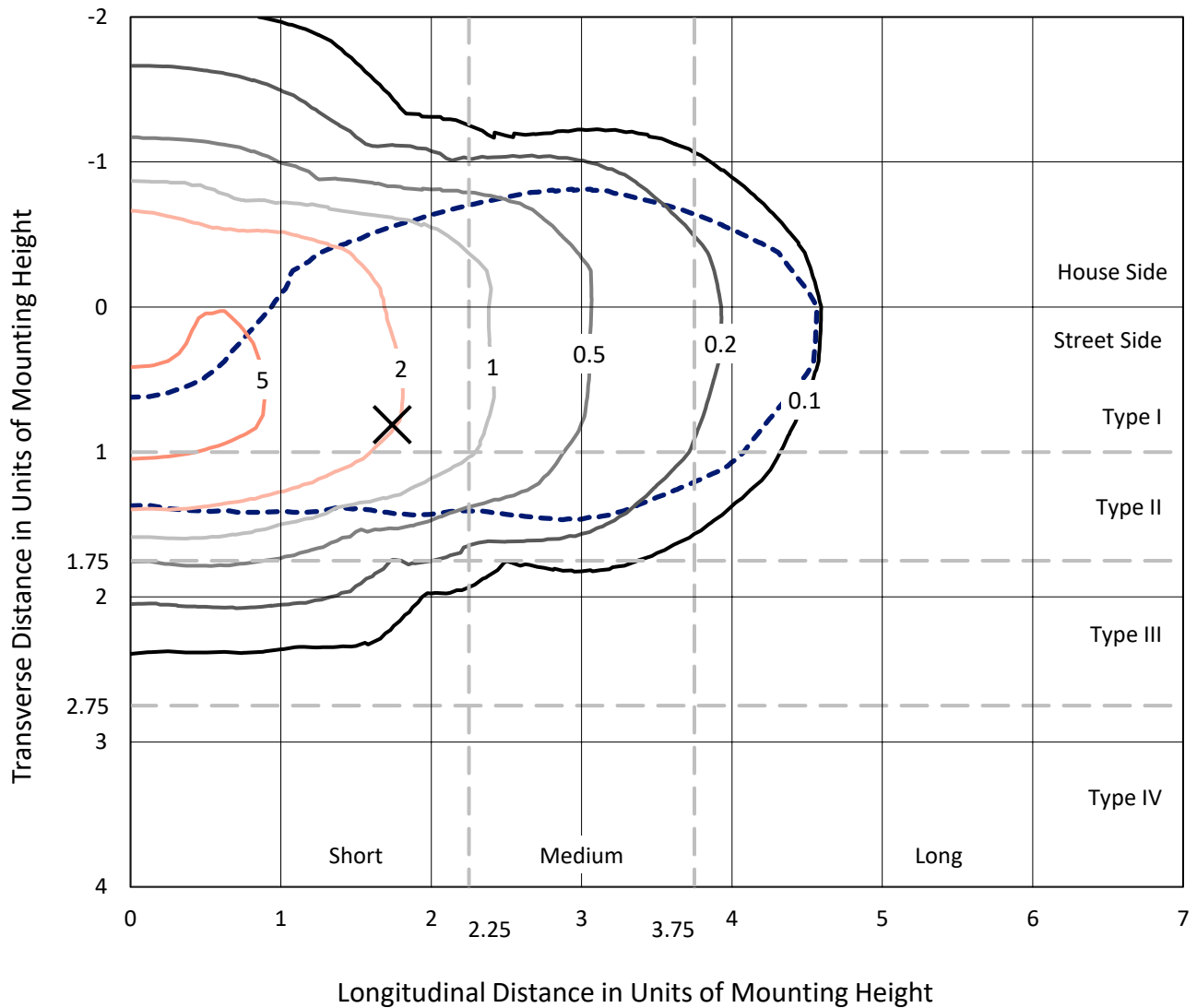
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

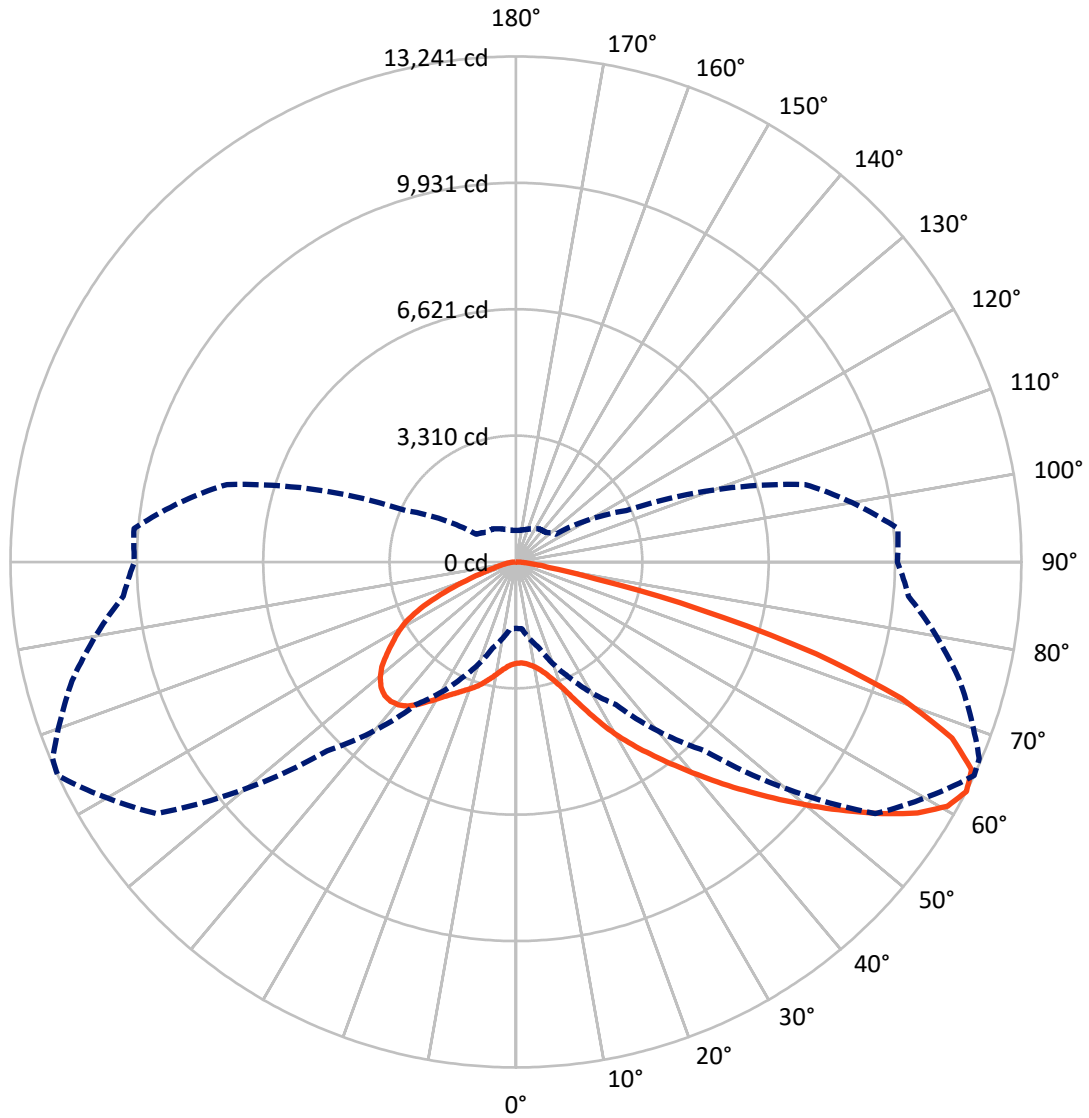
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	7596.4	0.0	7596.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	16476.6	0.0	16476.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	24073.0	0.0	24073.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	1.1
10°-20°	896.9	3.7
20°-30°	1818.5	7.6
30°-40°	3146.8	13.1
40°-50°	4762.1	19.8
50°-60°	5583.3	23.2
60°-70°	4680.9	19.4
70°-80°	2584.3	10.7
80°-90°	335.7	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°	24073.0	100.0
0°-180°	24073.0	100.0

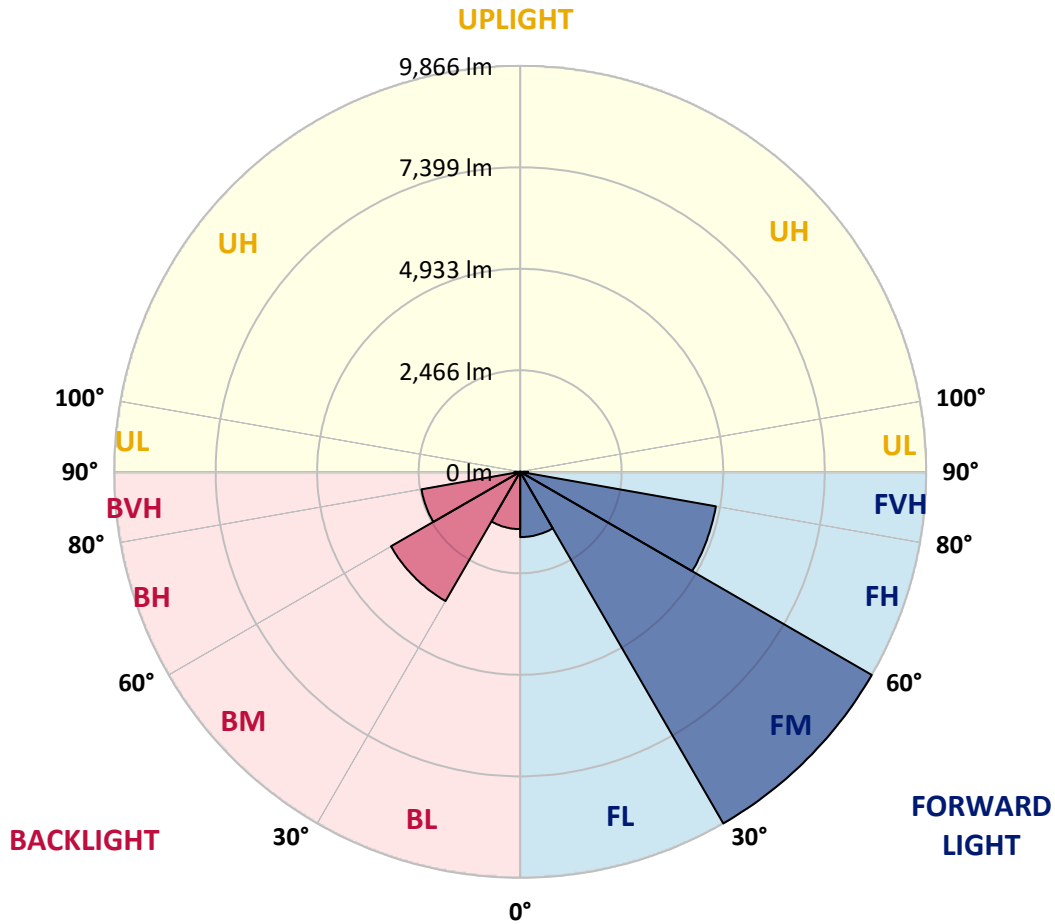


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1586.7	6.6			
FM (30°-60°)	9865.9	41.0			
FH (60°-80°)	4828.3	20.1			G2/5000
FVH (80°-90°)	195.6	0.8			G2/225
BL (0°-30°)	1393.1	5.8	B3/2500		
BM (30°-60°)	3626.4	15.1	B3/5000		
BH (60°-80°)	2436.9	10.1	B3/2500		G3/2500
BVH (80°-90°)	140.0	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7
2.5°	2635.3	2627.8	2634.0	2634.0	2636.5	2635.3	2644.0	2646.5	2650.2	2657.7
5°	2609.0	2607.8	2619.0	2629.0	2639.0	2647.7	2659.0	2675.2	2677.7	2686.5
7.5°	2600.3	2592.8	2610.3	2622.8	2646.5	2667.7	2697.7	2725.2	2736.4	2740.2
10°	2667.7	2655.2	2671.5	2679.0	2699.0	2720.2	2755.2	2798.9	2811.4	2826.3
12.5°	2782.6	2768.9	2792.6	2803.9	2822.6	2841.3	2865.1	2907.5	2913.8	2941.2
15°	2940.0	2923.8	2938.7	2952.5	2983.7	3001.2	3024.9	3066.1	3066.1	3087.4
17.5°	3153.6	3132.3	3143.6	3148.6	3168.6	3194.8	3234.7	3271.0	3289.7	3282.2
20°	3472.0	3445.8	3445.8	3420.8	3413.3	3434.6	3487.0	3537.0	3557.0	3518.3
22.5°	3950.4	3912.9	3891.7	3806.8	3773.0	3775.5	3828.0	3889.2	3905.4	3836.7
25°	4558.6	4499.9	4471.2	4346.3	4270.1	4203.9	4245.1	4323.8	4346.3	4261.4
27.5°	5166.8	5170.6	5143.1	4993.2	4867.1	4746.0	4724.7	4807.2	4830.9	4734.7
30°	6019.9	5931.2	5878.7	5698.9	5519.0	5349.2	5261.8	5295.5	5301.7	5186.8
32.5°	6755.5	6733.0	6620.6	6463.2	6232.2	5966.2	5820.0	5766.3	5756.3	5592.7
35°	7593.5	7581.0	7462.4	7275.1	7025.3	6655.6	6392.1	6238.4	6225.9	5996.1
37.5°	8445.3	8445.3	8329.2	8124.3	7865.8	7403.7	7002.8	6759.2	6719.3	6419.5
40°	9124.7	9083.5	9104.7	9018.6	8722.6	8231.7	7681.0	7327.5	7273.8	6914.1
42.5°	9510.6	9496.9	9624.3	9720.5	9599.3	9207.2	8427.8	7943.2	7868.3	7458.6
45°	9596.8	9581.8	9809.1	10161.3	10331.2	10170.1	9239.6	8591.4	8500.3	8028.2
47.5°	9398.2	9368.3	9701.7	10257.5	10802.0	11085.6	10118.9	9294.6	9162.2	8582.7
50°	8801.3	8772.5	9277.1	10015.2	10960.7	11707.5	11073.1	10040.2	9837.9	9177.2
52.5°	7503.6	7517.3	8307.9	9322.1	10752.1	12094.7	11894.9	10825.8	10582.2	9785.4
55°	5845.0	5875.0	6846.7	7963.2	9917.8	12036.0	12455.6	11635.1	11392.8	10357.4
57.5°	4185.2	4317.6	5228.0	6333.4	8315.4	11105.5	12578.0	12404.4	12169.6	10981.9
60°	2712.7	2736.4	3673.1	4787.2	6332.1	9451.9	12329.5	12987.7	12804.1	11618.9
62.5°	1738.5	1754.8	2325.5	3348.4	4557.4	6992.8	11492.7	13241.2	13185.0	12039.7
65°	1277.7	1265.2	1562.4	2213.1	3069.9	4312.6	9867.8	13118.8	13230.0	12303.3
67.5°	1066.6	1049.1	1195.2	1532.4	2261.8	2449.2	7301.3	12323.3	12730.4	12273.3
70°	971.7	956.7	1045.4	1137.8	1764.7	1639.9	3680.6	10713.4	11340.3	11932.3
72.5°	823.0	796.8	918.0	1010.4	1372.6	1257.7	1521.2	8229.2	8993.6	10839.5
75°	638.2	620.7	724.4	889.2	1031.6	981.7	961.7	4997.0	5831.3	8382.9
77.5°	505.8	482.1	577.0	693.2	928.0	740.6	700.7	2151.9	2978.7	5351.7
80°	380.9	359.7	438.4	548.3	713.1	558.3	453.4	878.0	1122.8	2711.4
82.5°	271.0	252.3	306.0	402.2	479.6	500.8	278.5	492.1	553.3	1045.4
85°	173.6	162.4	204.8	252.3	304.7	322.2	169.9	257.3	282.3	430.9
87.5°	94.9	77.4	109.9	117.4	141.1	128.6	81.2	93.7	101.2	156.1
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°
2652.7	0°	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7
2657.7	2.5°	2662.7	2666.5	2679.0	2682.7	2691.5	2702.7	2710.2	2717.7	2717.7	2725.2
2697.7	5°	2699.0	2707.7	2733.9	2747.7	2770.1	2792.6	2806.4	2822.6	2832.6	2837.6
2761.4	7.5°	2768.9	2782.6	2820.1	2843.8	2882.5	2913.8	2935.0	2957.5	2962.5	2976.2
2850.1	10°	2863.8	2880.0	2922.5	2967.5	3013.7	3052.4	3072.4	3088.6	3094.9	3097.4
2963.7	12.5°	2972.5	2996.2	3051.2	3106.1	3154.8	3188.5	3193.5	3189.8	3172.3	3157.3
3103.6	15°	3106.1	3127.3	3188.5	3248.5	3295.9	3302.2	3271.0	3251.0	3229.7	3226.0
3259.7	17.5°	3266.0	3277.2	3333.4	3392.1	3395.9	3374.6	3328.4	3309.7	3289.7	3276.0
3463.3	20°	3452.1	3448.3	3488.3	3513.3	3487.0	3422.1	3352.1	3320.9	3300.9	3284.7
3713.1	22.5°	3674.4	3645.6	3640.6	3634.4	3564.5	3428.3	3333.4	3293.4	3262.2	3239.7
4061.5	25°	3997.8	3887.9	3811.8	3769.3	3611.9	3394.6	3273.5	3184.8	3126.1	3087.4
4487.4	27.5°	4402.5	4217.7	4025.3	3921.7	3611.9	3325.9	3128.6	2985.0	2888.8	2848.8
4899.6	30°	4788.4	4594.8	4311.3	4105.3	3603.2	3213.5	2895.0	2695.2	2582.8	2542.8
5251.8	32.5°	5118.1	4907.1	4614.8	4306.3	3581.9	3031.2	2605.3	2384.2	2275.6	2228.1
5600.2	35°	5424.1	5199.3	4919.6	4527.4	3525.7	2763.9	2286.8	2118.2	1997.0	1920.9
5954.9	37.5°	5737.6	5470.3	5208.1	4727.2	3424.6	2451.7	2042.0	1898.4	1756.0	1653.6
6332.1	40°	6078.6	5758.8	5516.6	4845.9	3258.5	2154.4	1852.2	1721.0	1569.9	1461.3
6766.7	42.5°	6477.0	6104.8	5860.0	4907.1	3031.2	1943.3	1728.5	1599.9	1457.5	1368.8
7232.6	45°	6892.9	6485.7	6173.5	4905.8	2777.6	1844.7	1688.6	1561.2	1403.8	1311.4
7710.9	47.5°	7328.8	6884.1	6444.5	4825.9	2557.8	1858.4	1666.1	1477.5	1303.9	1214.0
8194.3	50°	7765.9	7320.0	6706.8	4676.0	2464.2	1828.4	1582.4	1360.1	1155.3	1074.1
8647.6	52.5°	8199.3	7783.4	6932.8	4462.4	2369.2	1717.3	1475.0	1207.7	1094.1	1037.9
9116.0	55°	8635.1	8241.7	7178.9	4151.5	2131.9	1587.4	1295.1	1150.3	1045.4	994.2
9574.3	57.5°	9072.3	8771.3	7412.4	3840.5	1833.4	1427.5	1196.5	1080.3	996.7	952.9
9957.8	60°	9526.9	9377.0	7653.5	3554.5	1538.7	1222.7	1124.0	1024.1	939.2	890.5
10326.2	62.5°	9995.2	10043.9	7842.1	3186.0	1267.7	1097.8	1059.1	956.7	874.3	828.0
10630.9	65°	10467.3	10687.1	7965.7	2675.2	1027.9	979.2	989.2	883.0	799.3	759.4
10854.5	67.5°	10823.3	11150.5	7930.7	2024.5	843.0	866.8	901.7	805.6	726.9	695.7
10818.3	70°	10863.2	11095.5	7586.0	1386.3	705.6	756.9	804.3	729.4	648.2	625.7
10308.7	72.5°	10331.2	10346.2	6625.6	905.5	597.0	664.4	701.9	651.9	573.3	550.8
9018.6	75°	8936.1	8556.5	4864.6	597.0	499.6	570.8	605.7	570.8	494.6	499.6
6748.0	77.5°	6770.5	6059.8	2953.7	424.6	417.1	479.6	527.1	502.1	437.1	490.8
3393.4	80°	3488.3	3278.5	1317.6	317.2	329.7	383.4	433.4	400.9	346.0	329.7
758.1	82.5°	799.3	929.2	519.6	227.3	238.5	276.0	331.0	301.0	248.5	209.8
316.0	85°	279.8	306.0	229.8	142.4	139.9	172.4	224.8	201.1	168.6	134.9
133.6	87.5°	88.7	116.2	86.2	57.5	59.9	77.4	103.7	94.9	78.7	51.2
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>
2652.7
2725.2
2840.1
2971.2
3091.1
3157.3
3226.0
3277.2
3286.0
3247.2
3102.4
2868.8
2566.6
2251.8
1945.8
1681.1
1482.5
1386.3
1326.4
1226.5
1079.1
1037.9
989.2
945.4
886.7
826.8
758.1
696.9
627.0
549.5
482.1
432.1
301.0
207.3
142.4
53.7
0.0

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