

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: P953710

Luminaire Tested: **GALN-SB7A-935-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-935-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22782 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

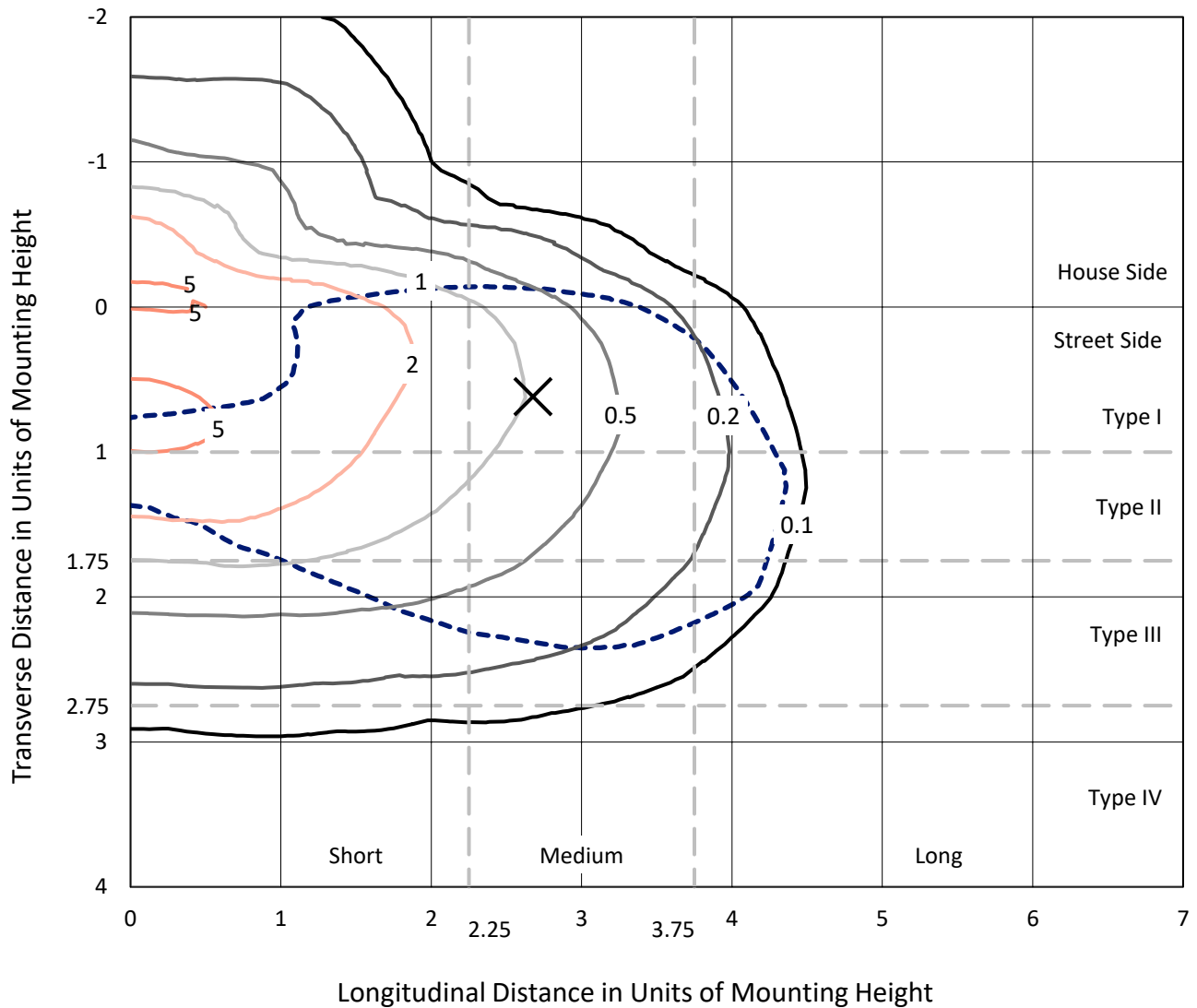
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

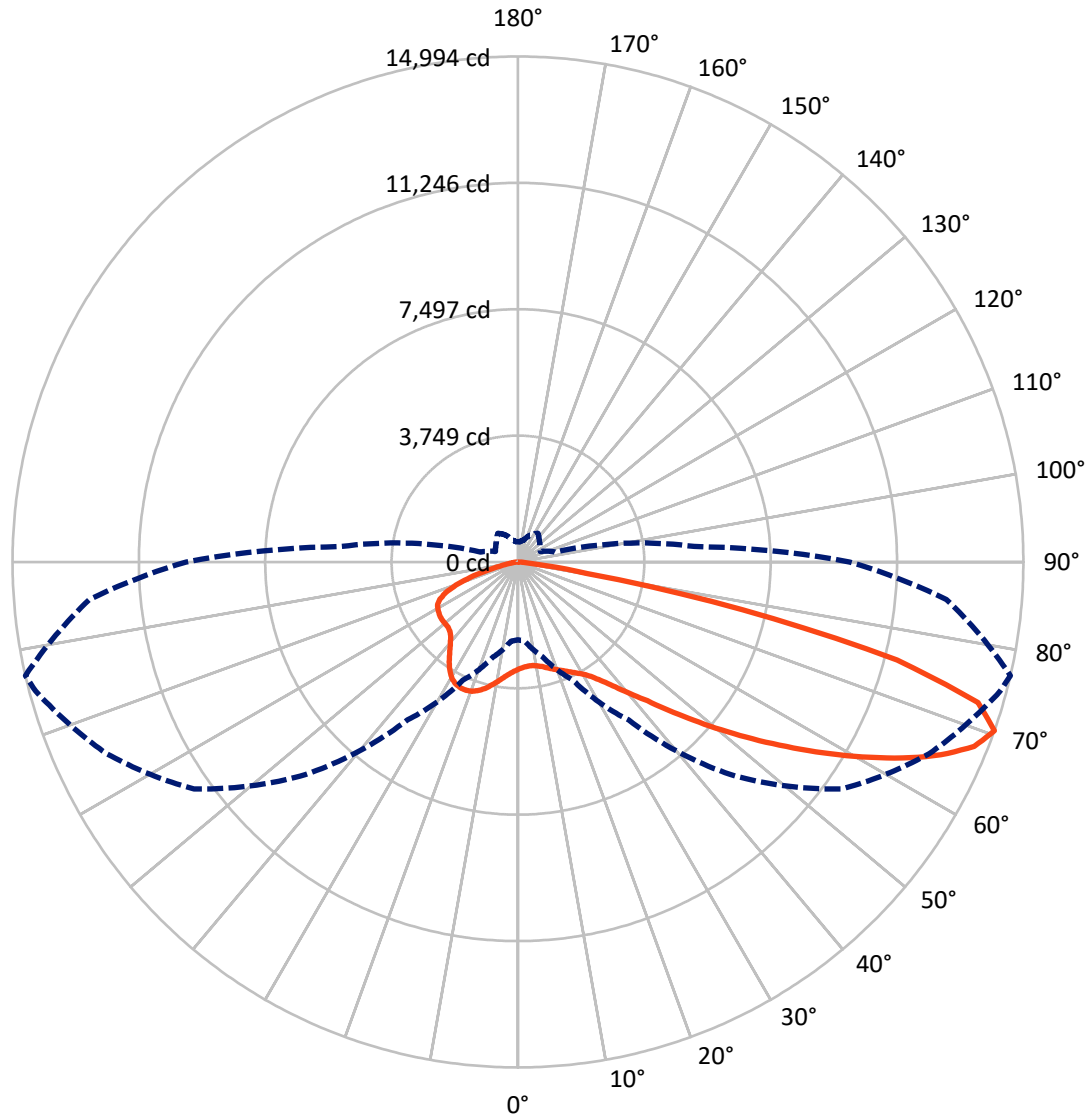
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4988.9	0.0	4988.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	17793.1	0.0	17793.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	22782.0	0.0	22782.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.1	1.3
10°-20°	874.8	3.8
20°-30°	1496.1	6.6
30°-40°	2405.9	10.6
40°-50°	3756.2	16.5
50°-60°	5017.4	22.0
60°-70°	5347.8	23.5
70°-80°	3292.1	14.5
80°-90°	288.5	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°	22782.0	100.0
0°-180°	22782.0	100.0



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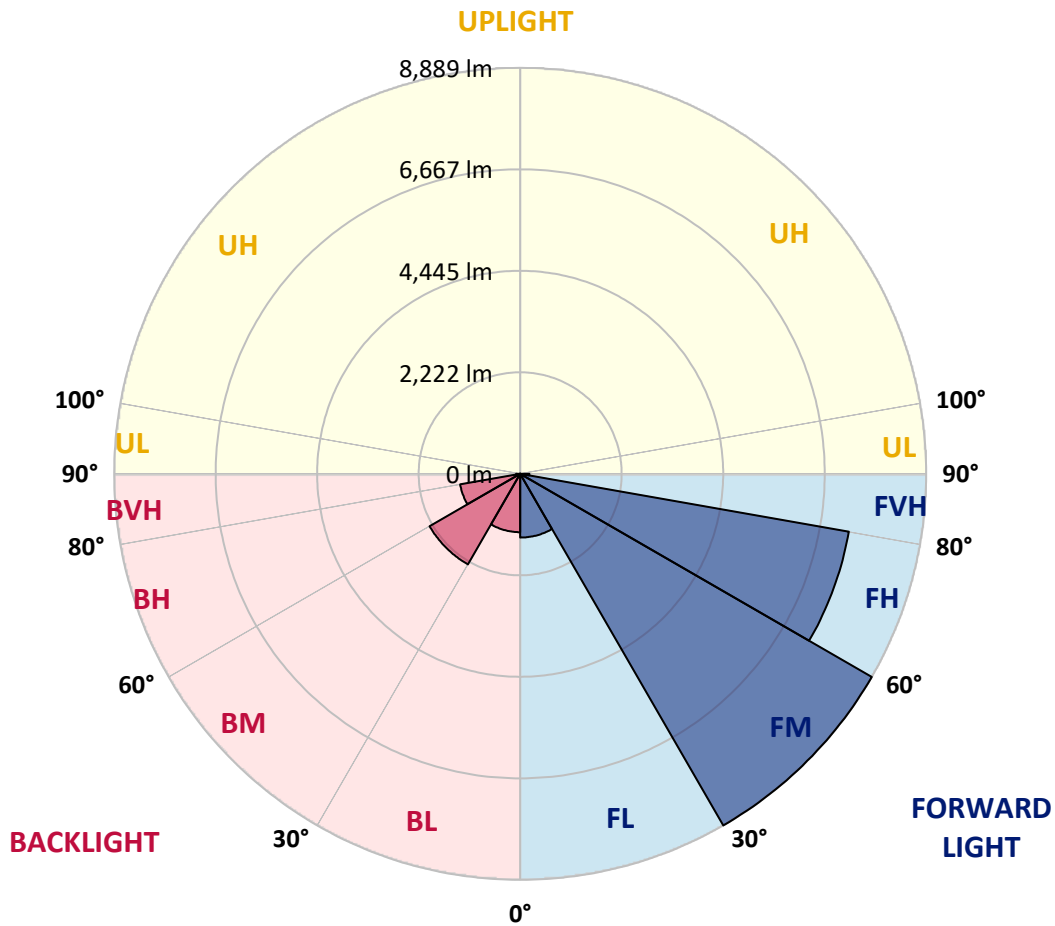
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1395.8	6.1			
FM (30°-60°)	8889.0	39.0			
FH (60°-80°)	7306.6	32.1			G3/7500
FVH (80°-90°)	201.7	0.9			G2/225
BL (0°-30°)	1278.3	5.6	B3/2500		
BM (30°-60°)	2290.5	10.1	B2/2500		
BH (60°-80°)	1333.3	5.9	B3/2500		G3/2500
BVH (80°-90°)	86.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3
2.5°	2929.8	2928.6	2943.8	2948.4	2976.4	2996.3	3033.6	3073.3	3124.6	3130.5
5°	2760.6	2760.6	2778.1	2796.8	2832.9	2872.6	2929.8	2998.6	3087.3	3101.3
7.5°	2617.1	2626.4	2641.6	2677.8	2719.8	2776.9	2864.4	2962.4	3079.1	3101.3
10°	2501.6	2512.1	2530.7	2559.9	2622.9	2702.3	2816.6	2942.6	3099.0	3134.0
12.5°	2465.4	2475.9	2486.4	2508.6	2566.9	2660.2	2796.8	2951.9	3146.8	3181.8
15°	2549.4	2562.2	2554.1	2548.2	2578.6	2663.7	2806.1	2985.8	3206.3	3256.5
17.5°	2743.1	2747.8	2729.1	2674.2	2669.6	2715.1	2850.4	3032.4	3281.0	3335.8
20°	3055.8	3047.6	3009.1	2900.6	2838.8	2829.4	2926.3	3102.5	3358.0	3416.3
22.5°	3480.5	3471.2	3394.2	3222.6	3085.0	2993.9	3036.0	3193.5	3444.3	3509.7
25°	4010.2	3997.4	3884.2	3650.8	3437.3	3212.1	3185.3	3313.6	3550.5	3611.2
27.5°	4628.6	4618.1	4495.6	4187.6	3879.5	3510.8	3370.8	3454.8	3661.3	3730.2
30°	5293.7	5324.0	5107.0	4775.6	4385.9	3900.5	3620.5	3628.7	3804.9	3866.7
32.5°	6075.4	6127.9	5866.5	5446.5	4914.5	4324.1	3935.5	3871.4	4013.7	4065.0
35°	6850.1	6909.6	6692.6	6228.2	5615.7	4823.5	4264.6	4150.2	4291.4	4347.4
37.5°	7519.9	7599.2	7487.2	7083.5	6365.9	5425.5	4693.9	4478.1	4633.3	4703.3
40°	8048.4	8169.8	8161.6	7909.6	7250.3	6155.9	5238.8	4883.0	5058.0	5133.8
42.5°	8477.8	8582.8	8673.8	8661.0	8173.3	6985.5	5879.4	5409.2	5542.2	5629.7
45°	8774.2	8886.2	9082.2	9293.4	9061.2	7873.4	6613.3	6033.4	6154.7	6286.6
47.5°	9039.0	9166.2	9420.5	9755.4	9814.9	8764.8	7417.2	6760.3	6871.1	7007.7
50°	9062.3	9172.0	9566.4	10041.3	10350.5	9621.2	8280.6	7575.9	7679.7	7825.6
52.5°	8498.8	8671.5	9359.9	10033.1	10596.7	10337.6	9138.2	8424.1	8540.8	8715.8
55°	6596.9	6850.1	8754.3	9720.4	10509.1	10800.8	9953.8	9326.0	9475.4	9658.6
57.5°	5682.2	5793.0	6949.3	9151.0	10110.1	10921.0	10642.2	10237.3	10477.6	10678.3
60°	5107.0	5199.2	5882.9	8265.4	9585.1	10730.8	11174.2	11086.7	11502.1	11741.3
62.5°	4490.9	4578.4	5200.3	6901.5	8913.0	10414.6	11510.2	11870.8	12552.2	12813.5
65°	3879.5	3954.2	4550.4	5798.9	8058.9	10098.4	11684.1	12548.7	13524.1	13794.8
67.5°	3198.1	3260.0	3823.5	4892.3	7020.5	9665.6	11770.4	13081.9	14370.0	14602.2
70°	2307.9	2355.7	2937.9	3869.0	5717.2	8921.2	11735.4	13459.9	14808.7	14994.2
72.5°	1090.9	1134.1	1817.8	2512.1	4038.2	7472.0	11027.2	13160.1	14363.0	14270.8
75°	582.2	619.6	1044.3	1378.0	2132.9	5122.1	9023.8	11336.4	12061.0	11612.9
77.5°	394.4	423.5	646.4	827.2	974.3	2431.6	5800.0	7848.9	7551.4	6811.6
80°	312.7	343.0	529.7	560.1	471.4	878.6	2396.6	3633.3	2610.1	2087.4
82.5°	240.4	274.2	445.7	406.0	256.7	360.5	697.7	1149.3	668.6	508.7
85°	147.0	183.2	350.0	259.0	144.7	164.5	236.9	319.7	204.2	170.3
87.5°	74.7	105.0	177.3	94.5	65.3	38.5	63.0	63.0	53.7	46.7
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°
3178.3	0°	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3	3178.3
3162.0	2.5°	3190.0	3213.3	3253.0	3290.3	3319.5	3347.5	3375.5	3390.6	3395.3	3414.0
3179.5	5°	3227.3	3270.5	3347.5	3419.8	3465.3	3493.3	3513.2	3524.8	3527.2	3533.0
3227.3	7.5°	3296.1	3365.0	3472.3	3544.7	3578.5	3576.2	3568.0	3538.8	3527.2	3516.7
3297.3	10°	3393.0	3484.0	3615.8	3666.0	3645.0	3589.0	3516.7	3431.5	3391.8	3353.3
3393.0	12.5°	3513.2	3628.7	3758.2	3755.9	3652.0	3508.5	3340.5	3209.8	3127.0	3067.5
3510.8	15°	3659.0	3792.0	3891.2	3811.9	3584.3	3326.5	3080.3	2909.9	2835.3	2769.9
3629.8	17.5°	3809.5	3951.9	3997.4	3794.4	3414.0	3057.0	2778.1	2643.9	2570.4	2535.4
3758.2	20°	3956.5	4097.7	4060.4	3694.0	3155.0	2751.3	2502.7	2429.2	2414.1	2422.2
3883.0	22.5°	4111.7	4237.7	4073.2	3500.3	2824.8	2438.6	2302.0	2304.4	2338.2	2362.7
4013.7	25°	4270.4	4355.6	4039.4	3220.3	2470.1	2208.7	2174.9	2212.2	2278.7	2326.6
4160.7	27.5°	4423.2	4460.6	3965.9	2873.8	2165.5	2044.2	2050.0	2127.0	2227.4	2293.9
4339.2	30°	4595.9	4553.9	3824.7	2484.1	1954.3	1903.0	1952.0	2041.9	2142.2	2201.7
4564.4	32.5°	4790.8	4634.4	3600.7	2123.5	1805.0	1789.8	1870.3	1928.7	1973.0	1990.5
4863.1	35°	5033.5	4747.6	3313.6	1870.3	1670.8	1707.0	1784.0	1754.8	1737.3	1728.0
5264.5	37.5°	5348.5	4900.5	2977.6	1705.8	1562.3	1647.5	1679.0	1588.0	1519.1	1485.3
5751.0	40°	5727.7	5124.5	2654.4	1578.6	1493.5	1596.1	1541.3	1431.6	1344.1	1296.3
6298.3	42.5°	6148.9	5359.0	2382.6	1483.0	1455.0	1554.1	1439.8	1309.1	1167.9	1152.8
6950.5	45°	6591.1	5600.5	2197.0	1409.5	1436.3	1518.0	1381.5	1170.3	1069.9	1131.8
7605.0	47.5°	7033.3	5822.2	2085.0	1354.6	1427.0	1477.1	1330.1	1093.3	1022.1	1111.9
8306.3	50°	7525.7	6020.6	2034.9	1315.0	1416.5	1460.8	1253.1	1073.4	971.9	1031.4
9032.0	52.5°	8014.6	6174.6	1997.5	1275.3	1401.3	1448.0	1215.8	1050.1	911.3	914.8
9762.4	55°	8502.3	6274.9	1956.7	1222.8	1367.5	1420.0	1212.3	1024.4	865.7	849.4
10534.8	57.5°	9022.7	6332.1	1906.5	1164.4	1309.1	1348.8	1208.8	1004.6	851.7	824.9
11324.7	60°	9552.4	6416.1	1841.2	1093.3	1230.9	1263.6	1200.6	997.6	843.6	798.1
12069.1	62.5°	10027.3	6445.3	1763.0	1025.6	1130.6	1179.6	1183.1	991.8	821.4	743.2
12687.5	65°	10338.8	6319.3	1626.5	948.6	1022.1	1093.3	1149.3	971.9	781.7	703.6
12993.2	67.5°	10326.0	5959.9	1413.0	849.4	917.1	997.6	1100.3	938.1	733.9	654.6
12762.2	70°	9845.3	5250.5	1142.3	733.9	801.6	894.9	1037.3	887.9	676.7	600.9
11348.1	72.5°	8444.0	4109.4	829.6	598.6	667.4	788.7	955.6	827.2	618.4	553.1
8386.8	75°	6032.2	2600.7	562.4	459.7	519.2	668.6	854.1	756.1	564.7	555.4
4200.4	77.5°	3081.5	1242.6	372.2	336.0	361.7	527.4	717.6	675.6	572.9	458.5
1194.8	80°	1002.3	458.5	234.5	228.7	240.4	351.2	555.4	554.2	434.0	311.5
289.4	82.5°	319.7	197.2	152.8	147.0	141.2	220.5	387.4	438.7	292.9	197.2
103.8	85°	127.2	117.8	89.8	82.8	59.5	103.8	203.0	291.7	218.2	142.3
26.8	87.5°	46.7	46.7	24.5	17.5	12.8	35.0	54.8	87.5	124.8	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>
3178.3
3424.5
3542.3
3519.0
3341.6
3053.5
2762.9
2545.9
2418.7
2368.6
2339.4
2310.2
2215.7
1999.9
1737.3
1493.5
1299.8
1167.9
1164.4
1153.9
1075.8
939.3
861.1
828.4
801.6
743.2
703.6
658.1
607.9
549.6
523.9
408.4
275.4
196.0
145.8
72.3
0.0

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