

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: STREETWORKS

Report Number: P852891

Luminaire Tested: **GLAN-SB7A-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21272 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

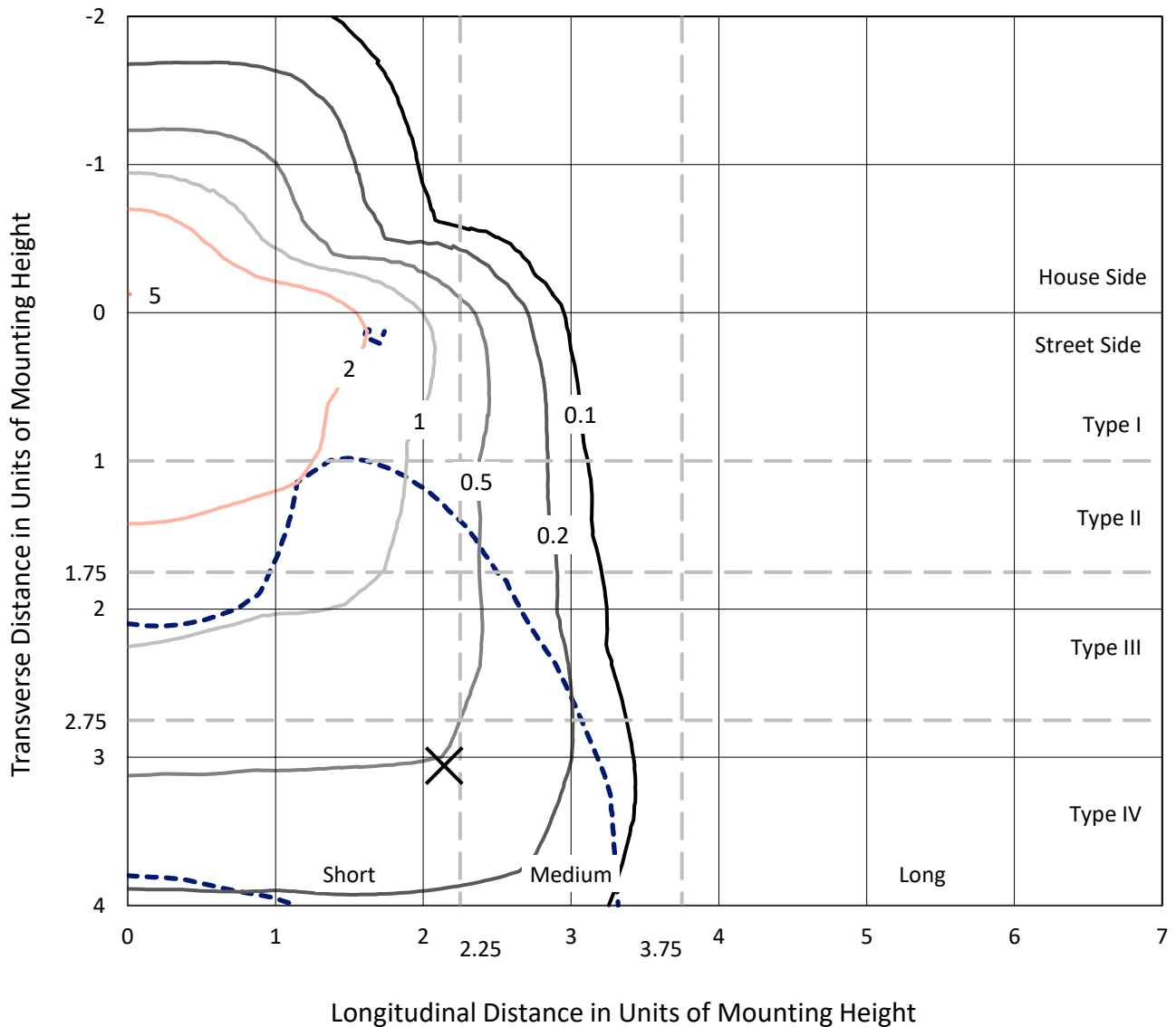
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

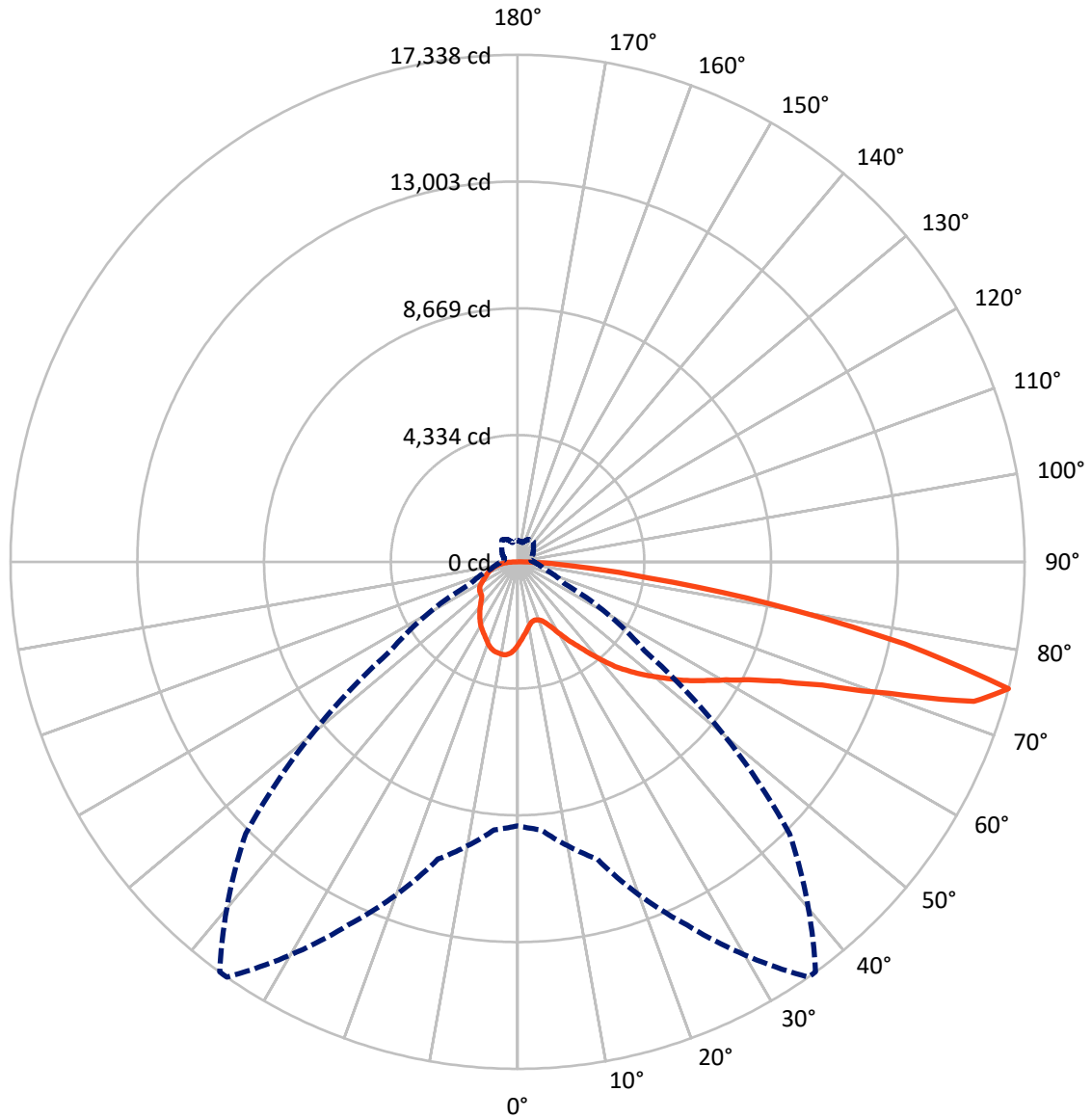
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5062.2	0.0	5062.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16209.8	0.0	16209.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	21272.0	0.0	21272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	1.3
10°-20°	774.1	3.6
20°-30°	1300.0	6.1
30°-40°	2020.3	9.5
40°-50°	2998.7	14.1
50°-60°	4139.9	19.5
60°-70°	5022.7	23.6
70°-80°	4150.8	19.5
80°-90°	597.0	2.8
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°	21272.0	100.0
0°-180°	21272.0	100.0

Coefficient of Utilization

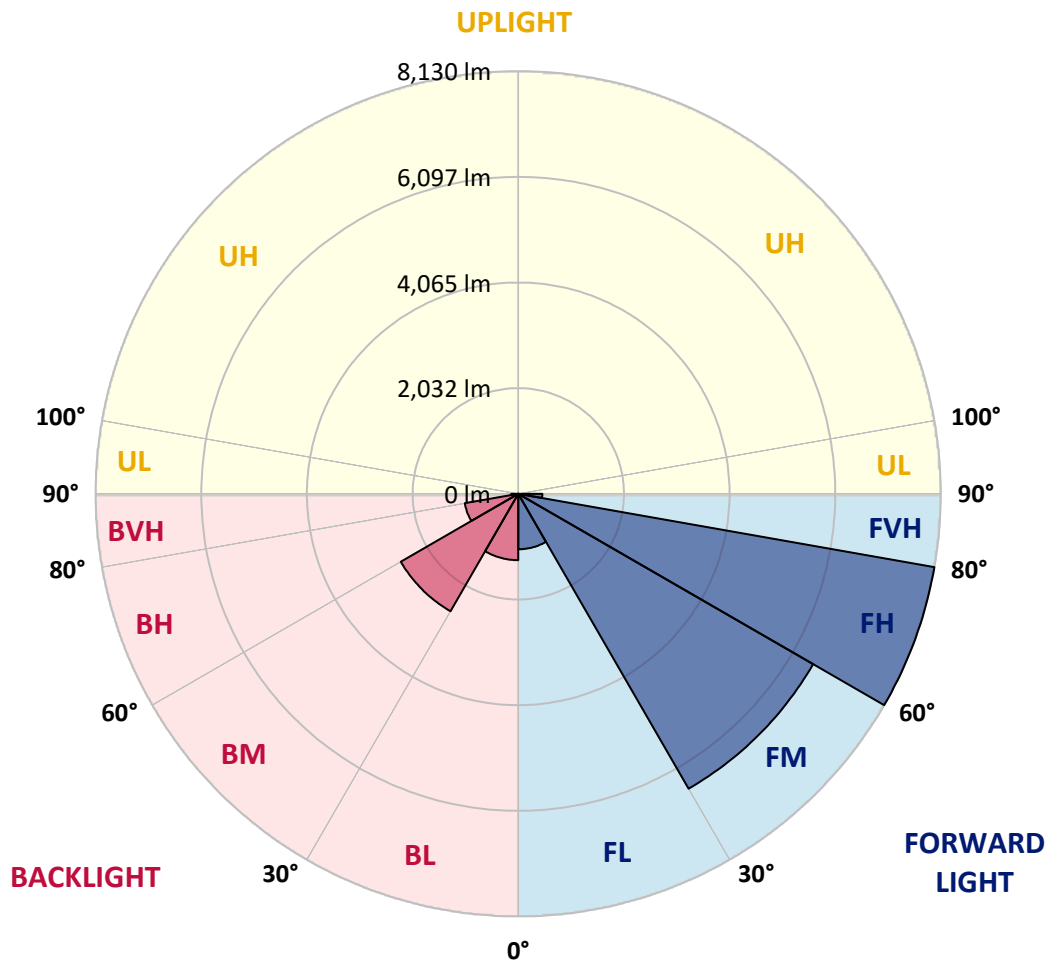


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1066.7	5.0			
FM (30°-60°)	6550.6	30.8			
FH (60°-80°)	8129.8	38.2			G4/12000
FVH (80°-90°)	462.6	2.2			G3/500
BL (0°-30°)	1275.7	6.0	B3/2500		
BM (30°-60°)	2608.4	12.3	B3/5000		
BH (60°-80°)	1043.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	134.4	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6
2.5°	2613.8	2629.9	2636.8	2633.4	2650.6	2648.3	2672.5	2702.4	2743.8	2784.0
5°	2412.6	2429.9	2444.8	2458.6	2492.0	2502.3	2540.2	2597.7	2673.6	2750.7
7.5°	2225.2	2240.1	2263.1	2288.4	2344.8	2355.1	2418.4	2508.1	2613.8	2726.5
10°	2072.2	2087.2	2111.3	2140.1	2210.2	2222.9	2303.4	2423.0	2560.9	2703.5
12.5°	2006.7	2011.3	2025.1	2053.8	2114.8	2122.8	2211.4	2348.2	2509.2	2686.3
15°	2003.2	2012.4	2013.6	2028.5	2079.1	2082.6	2164.2	2299.9	2477.0	2682.8
17.5°	2037.7	2044.6	2034.3	2043.5	2086.0	2091.8	2156.2	2276.9	2466.7	2697.8
20°	2129.7	2135.5	2104.4	2091.8	2122.8	2127.4	2190.7	2291.9	2477.0	2728.8
22.5°	2325.2	2328.7	2252.8	2201.0	2203.3	2205.6	2260.8	2352.8	2517.3	2785.2
25°	2629.9	2627.6	2506.9	2406.9	2349.4	2336.7	2373.5	2451.7	2585.1	2859.9
27.5°	2986.4	2969.2	2848.4	2698.9	2573.6	2555.2	2547.1	2580.5	2681.7	2958.8
30°	3388.9	3372.8	3242.9	3047.4	2873.7	2843.8	2767.9	2750.7	2825.4	3093.4
32.5°	3830.5	3820.1	3664.9	3428.0	3195.7	3161.2	3033.6	2987.6	3046.2	3296.9
35°	4200.8	4191.6	4062.8	3819.0	3535.0	3492.4	3362.5	3310.7	3340.6	3558.0
37.5°	4535.4	4530.8	4420.4	4228.4	3935.1	3883.4	3737.4	3720.1	3714.4	3901.8
40°	4845.9	4834.4	4719.4	4618.2	4400.9	4353.7	4224.9	4210.0	4166.3	4325.0
42.5°	5189.7	5159.8	4993.1	4946.0	4887.3	4848.2	4771.2	4773.5	4676.9	4802.2
45°	5470.3	5453.1	5281.7	5254.1	5317.4	5301.3	5368.0	5385.2	5197.8	5302.4
47.5°	5771.6	5755.5	5610.6	5591.1	5762.4	5767.0	6002.8	6008.5	5706.1	5822.2
50°	6143.1	6120.1	5976.3	6000.5	6192.5	6209.8	6641.0	6601.9	6174.1	6350.0
52.5°	6388.0	6401.8	6370.7	6409.8	6672.0	6688.1	7268.9	7168.8	6637.5	6871.0
55°	6568.5	6596.1	6692.7	6782.4	7178.0	7194.1	7861.1	7708.1	7021.6	7354.0
57.5°	6800.8	6761.7	6942.3	7117.1	7658.7	7701.2	8437.2	8227.9	7362.0	7770.2
60°	7134.3	7106.7	7247.0	7505.8	8196.9	8264.7	9046.7	8696.0	7611.5	8100.3
62.5°	7810.5	7741.5	7763.3	7992.2	8875.3	8965.0	9734.4	9104.2	7735.7	8229.1
65°	8821.3	8702.9	8592.5	8751.2	9831.0	9919.5	10510.6	9425.0	7689.7	7979.5
67.5°	10094.3	9977.0	9841.3	9990.8	11238.5	11308.7	11468.5	9605.6	7327.5	7018.2
70°	11144.2	11100.5	11262.7	11877.9	13486.7	13489.0	12696.6	9456.1	6335.1	4975.9
72.5°	11005.1	10978.6	11833.0	13735.1	16320.2	16259.2	13859.3	8324.5	4267.5	2244.7
75°	9028.3	9199.6	10523.2	13701.7	17337.9	17329.8	13147.4	5292.1	1765.2	930.3
77.5°	4841.3	5112.7	6831.9	10116.1	13535.0	13738.5	9243.3	1851.4	757.8	595.7
80°	1578.9	1815.8	2723.1	5150.6	8794.9	8756.9	3961.6	726.8	518.6	422.0
82.5°	670.4	698.0	1216.7	2432.2	4513.6	4443.4	1261.5	417.4	364.5	288.6
85°	262.2	293.2	537.0	1124.7	1954.9	1912.4	455.4	207.0	233.4	188.6
87.5°	86.2	104.6	192.0	385.2	608.3	586.5	111.5	71.3	101.2	86.2
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°
2834.6	0°	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6
2842.7	2.5°	2858.8	2877.2	2899.0	2931.2	2958.8	2981.8	3006.0	3020.9	3026.7	3043.9
2847.3	5°	2879.5	2919.7	2973.8	3026.7	3078.4	3109.5	3137.1	3150.9	3163.5	3172.7
2859.9	7.5°	2914.0	2965.7	3050.8	3119.8	3163.5	3188.8	3207.2	3202.6	3207.2	3209.5
2873.7	10°	2943.9	3016.3	3117.5	3183.1	3216.4	3217.6	3213.0	3196.9	3188.8	3190.0
2894.4	12.5°	2979.5	3060.0	3169.3	3224.5	3233.7	3208.4	3188.8	3161.2	3150.9	3146.3
2925.5	15°	3027.8	3119.8	3225.6	3246.3	3223.3	3191.1	3157.8	3112.9	3089.9	3071.5
2978.4	17.5°	3086.5	3187.7	3269.3	3254.4	3204.9	3152.0	3098.0	3030.1	2983.0	2963.4
3050.8	20°	3168.1	3259.0	3302.7	3237.1	3162.4	3081.9	2989.9	2907.1	2863.4	2843.8
3142.8	22.5°	3267.0	3354.4	3334.9	3207.2	3101.4	2972.6	2857.6	2796.7	2774.8	2761.0
3261.3	25°	3385.5	3460.2	3357.9	3163.5	3001.4	2827.7	2739.2	2719.6	2709.3	2698.9
3406.2	27.5°	3539.6	3579.8	3375.1	3099.1	2845.0	2673.6	2641.4	2644.9	2641.4	2624.2
3607.4	30°	3743.1	3735.1	3391.2	2994.5	2665.6	2534.5	2536.8	2551.7	2554.0	2542.5
3888.0	32.5°	4011.0	3929.4	3399.3	2858.8	2494.3	2412.6	2414.9	2431.0	2442.5	2423.0
4254.8	35°	4335.3	4155.9	3386.6	2688.6	2362.0	2296.5	2279.2	2283.8	2287.3	2268.9
4699.9	37.5°	4713.7	4410.1	3330.3	2500.0	2252.8	2182.6	2145.8	2114.8	2096.4	2079.1
5203.5	40°	5128.8	4687.2	3226.8	2316.0	2130.9	2061.9	2006.7	1948.0	1885.9	1862.9
5737.1	42.5°	5563.5	4972.4	3101.4	2140.1	1990.6	1934.2	1875.6	1790.5	1697.3	1650.2
6291.4	45°	6014.3	5264.5	2978.4	1966.4	1846.8	1822.7	1754.8	1652.5	1551.3	1491.5
6846.8	47.5°	6455.8	5540.5	2797.8	1791.6	1712.3	1738.7	1685.8	1591.5	1478.8	1384.5
7397.7	50°	6877.9	5799.2	2502.3	1614.5	1603.0	1713.4	1662.8	1527.1	1398.3	1277.6
7938.1	52.5°	7296.5	6008.5	2124.0	1453.5	1544.4	1706.5	1632.9	1483.4	1325.9	1199.4
8446.4	55°	7651.8	6116.6	1759.4	1315.5	1459.3	1647.9	1597.3	1431.7	1223.6	1089.0
8794.9	57.5°	7854.2	6029.2	1455.8	1179.9	1342.0	1551.3	1536.3	1321.3	1101.7	998.2
8862.7	60°	7766.8	5675.0	1207.5	1061.4	1230.5	1446.6	1430.5	1212.1	1008.5	910.8
8499.3	62.5°	7285.0	5000.0	1010.8	957.9	1129.3	1339.7	1324.7	1128.1	937.2	842.9
7534.5	65°	6314.4	4067.4	857.9	871.7	1026.9	1210.9	1232.8	1058.0	880.9	788.9
5829.1	67.5°	4816.0	2946.2	738.3	796.9	926.9	1084.4	1147.7	1007.4	833.7	746.3
3372.8	70°	2744.9	1673.2	637.1	724.5	838.3	967.1	1082.1	967.1	783.1	710.7
1263.8	72.5°	1040.7	768.2	550.8	652.0	753.2	868.2	1009.7	903.9	724.5	670.4
653.2	75°	555.4	468.0	463.4	566.9	655.5	771.6	918.8	841.8	680.8	708.4
451.9	77.5°	378.3	331.2	387.5	485.3	548.5	664.7	822.2	747.5	589.9	587.6
312.8	80°	262.2	234.6	315.1	391.0	424.3	558.9	717.6	641.7	480.7	448.5
193.2	82.5°	157.5	152.9	235.7	292.1	300.1	431.2	594.5	538.2	393.3	342.7
115.0	85°	86.2	90.8	150.6	171.3	174.8	301.3	465.7	416.3	302.4	254.1
41.4	87.5°	24.1	31.0	55.2	67.8	83.9	156.4	277.1	247.2	151.8	105.8
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°
2834.6
3042.8
3175.0
3213.0
3192.3
3144.0
3077.3
2964.6
2841.5
2763.3
2698.9
2627.6
2548.3
2432.2
2281.5
2090.6
1873.3
1655.9
1486.9
1374.2
1267.2
1185.6
1077.5
984.4
897.0
828.0
773.9
732.5
701.5
661.2
731.4
541.6
428.9
345.0
256.4
105.8
0.0

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