

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: P852391

Luminaire Tested: **GLAN-SB3C-727-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852391  
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-SB3C-727-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19750 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

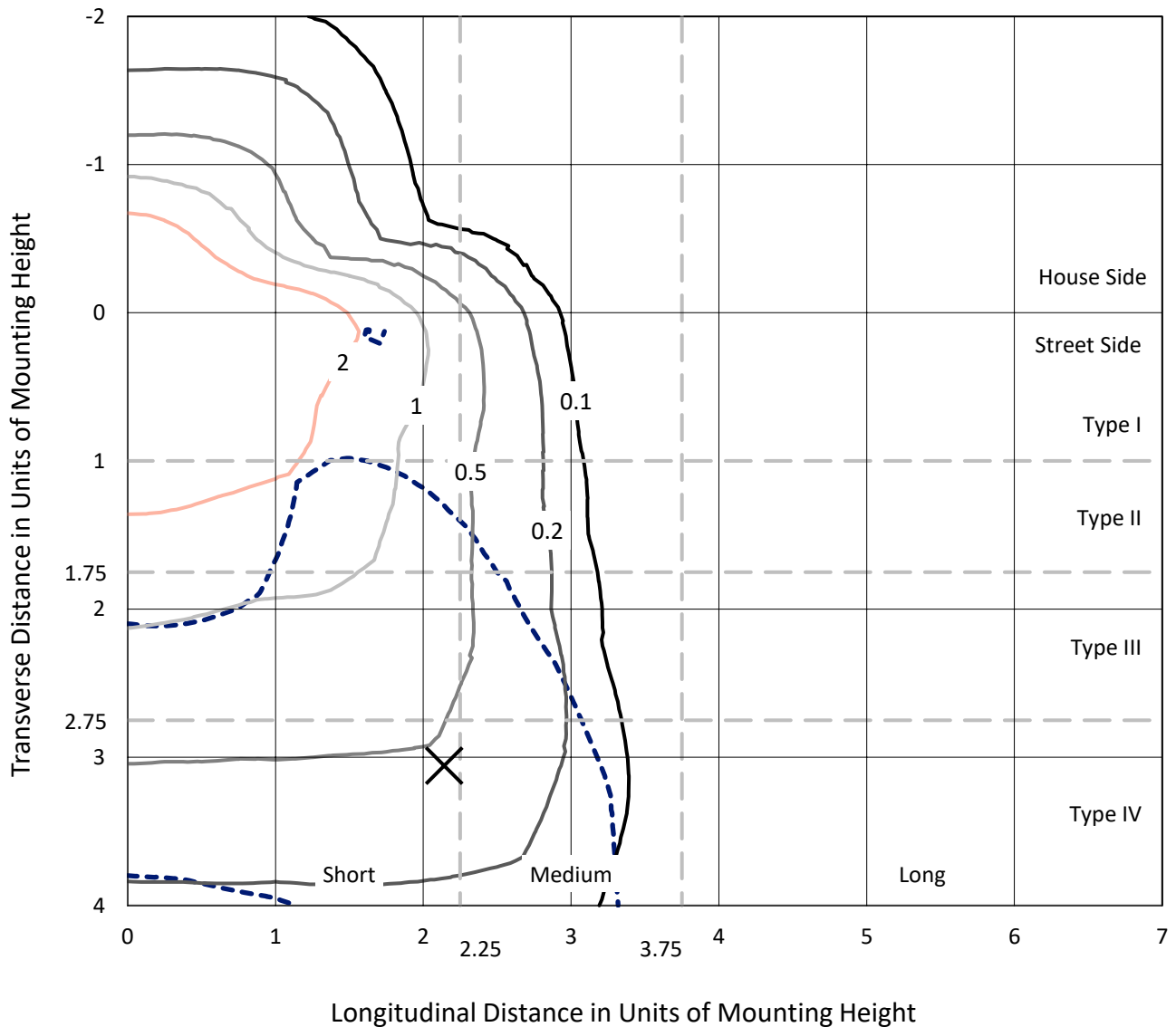
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

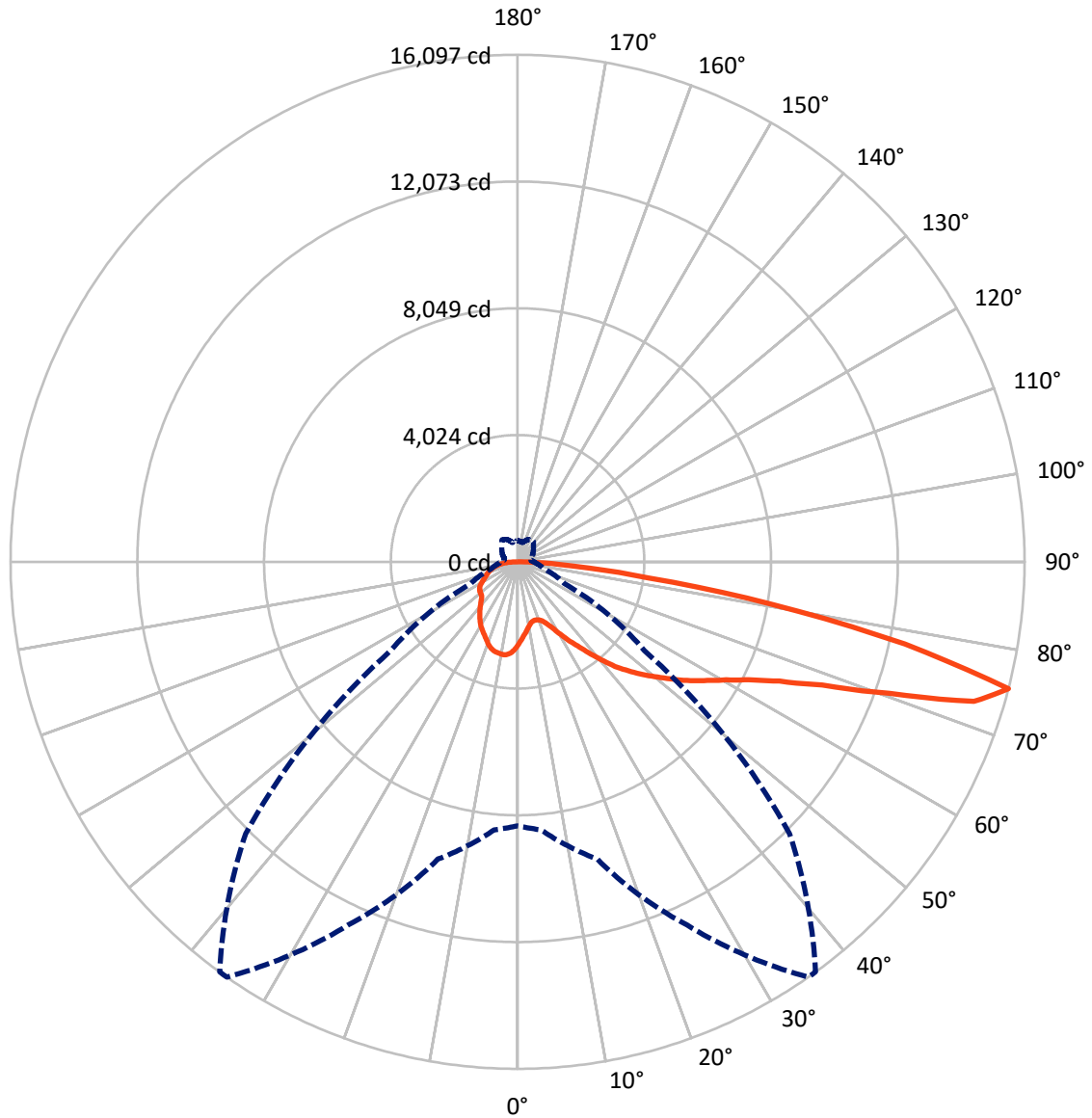
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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
<b>House Side</b>	Lumens	4700.0	0.0	4700.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	15050.0	0.0	15050.0
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	19750.0	0.0	19750.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.2	1.3
10°-20°	718.7	3.6
20°-30°	1207.0	6.1
30°-40°	1875.8	9.5
40°-50°	2784.2	14.1
50°-60°	3843.7	19.5
60°-70°	4663.3	23.6
70°-80°	3853.9	19.5
80°-90°	554.3	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°	19750.0	100.0
0°-180°	19750.0	100.0

**Coefficient of Utilization**

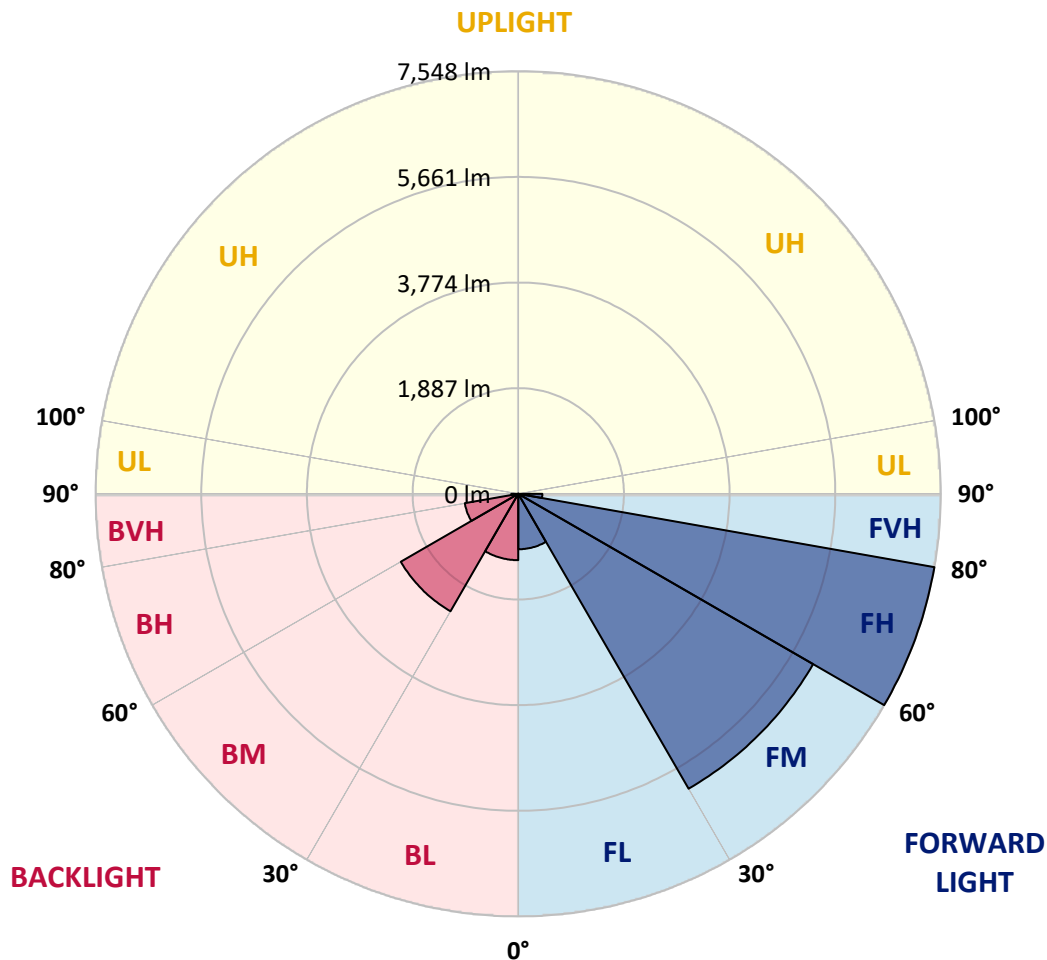


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	990.4	5.0			
FM (30°-60°)	6081.9	30.8			
FH (60°-80°)	7548.2	38.2			G4/12000
FVH (80°-90°)	429.5	2.2			G3/500
BL (0°-30°)	1184.5	6.0	B3/2500		
BM (30°-60°)	2421.7	12.3	B2/2500		
BH (60°-80°)	969.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	124.8	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°	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8
2.5°	2426.8	2441.8	2448.2	2445.0	2461.0	2458.9	2481.3	2509.0	2547.5	2584.8
5°	2240.0	2256.0	2269.9	2282.7	2313.7	2323.3	2358.5	2411.9	2482.3	2553.9
7.5°	2066.0	2079.8	2101.2	2124.7	2177.0	2186.6	2245.3	2328.6	2426.8	2531.5
10°	1924.0	1937.8	1960.3	1986.9	2052.1	2063.8	2138.6	2249.6	2377.7	2510.1
12.5°	1863.1	1867.4	1880.2	1906.9	1963.5	1970.9	2053.1	2180.2	2329.7	2494.1
15°	1859.9	1868.4	1869.5	1883.4	1930.4	1933.6	2009.4	2135.4	2299.8	2490.9
17.5°	1891.9	1898.3	1888.7	1897.3	1936.8	1942.1	2001.9	2114.0	2290.2	2504.8
20°	1977.3	1982.7	1953.8	1942.1	1970.9	1975.2	2033.9	2127.9	2299.8	2533.6
22.5°	2158.8	2162.0	2091.6	2043.5	2045.7	2047.8	2099.1	2184.5	2337.1	2585.9
25°	2441.8	2439.6	2327.5	2234.6	2181.3	2169.5	2203.7	2276.3	2400.1	2655.3
27.5°	2772.8	2756.7	2644.6	2505.8	2389.5	2372.4	2364.9	2395.9	2489.8	2747.1
30°	3146.4	3131.5	3010.8	2829.3	2668.1	2640.4	2569.9	2553.9	2623.3	2872.0
32.5°	3556.4	3546.8	3402.7	3182.7	2967.1	2935.0	2816.5	2773.8	2828.3	3061.0
35°	3900.2	3891.7	3772.1	3545.8	3282.0	3242.5	3121.9	3073.8	3101.6	3303.4
37.5°	4210.9	4206.6	4104.1	3925.8	3653.6	3605.5	3469.9	3453.9	3448.6	3622.6
40°	4499.2	4488.5	4381.7	4287.8	4086.0	4042.2	3922.6	3908.8	3868.2	4015.5
42.5°	4818.4	4790.7	4635.8	4592.1	4537.6	4501.3	4429.8	4431.9	4342.2	4458.6
45°	5078.9	5062.9	4903.8	4878.2	4936.9	4922.0	4983.9	4999.9	4825.9	4923.1
47.5°	5358.7	5343.7	5209.2	5191.0	5350.1	5354.4	5573.3	5578.6	5297.8	5405.6
50°	5703.5	5682.2	5548.7	5571.1	5749.4	5765.4	6165.8	6129.5	5732.4	5895.7
52.5°	5930.9	5943.8	5914.9	5951.2	6194.7	6209.6	6748.8	6655.9	6162.6	6379.4
55°	6098.6	6124.2	6213.9	6297.2	6664.4	6679.4	7298.6	7156.6	6519.2	6827.8
57.5°	6314.2	6277.9	6445.6	6607.8	7110.7	7150.2	7833.5	7639.2	6835.3	7214.3
60°	6623.9	6598.2	6728.5	6968.7	7610.4	7673.4	8399.4	8073.8	7066.9	7520.7
62.5°	7251.7	7187.6	7207.9	7420.3	8240.3	8323.6	9037.9	8452.8	7182.3	7640.3
65°	8190.1	8080.2	7977.7	8125.0	9127.6	9209.8	9758.6	8750.7	7139.5	7408.6
67.5°	9372.1	9263.2	9137.2	9276.0	10434.4	10499.5	10647.9	8918.3	6803.2	6516.0
70°	10346.8	10306.3	10456.8	11028.0	12521.7	12523.8	11788.2	8779.5	5881.8	4619.8
72.5°	10217.7	10193.1	10986.4	12752.3	15152.5	15095.9	12867.6	7728.9	3962.1	2084.1
75°	8382.3	8541.4	9770.3	12721.4	16097.3	16089.9	12206.7	4913.4	1638.9	863.7
77.5°	4494.9	4746.9	6343.1	9392.3	12566.5	12755.5	8582.0	1719.0	703.6	553.1
80°	1465.9	1685.9	2528.3	4782.1	8165.6	8130.4	3678.1	674.8	481.5	391.8
82.5°	622.5	648.1	1129.6	2258.1	4190.6	4125.5	1171.2	387.6	338.5	268.0
85°	243.4	272.3	498.6	1044.2	1815.0	1775.5	422.8	192.2	216.7	175.1
87.5°	80.1	97.2	178.3	357.7	564.8	544.5	103.6	66.2	94.0	80.1
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°
2631.8	0°	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8	2631.8
2639.3	2.5°	2654.2	2671.3	2691.6	2721.5	2747.1	2768.5	2790.9	2804.8	2810.1	2826.1
2643.6	5°	2673.5	2710.8	2761.0	2810.1	2858.2	2887.0	2912.6	2925.4	2937.2	2945.7
2655.3	7.5°	2705.5	2753.5	2832.5	2896.6	2937.2	2960.7	2977.7	2973.5	2977.7	2979.9
2668.1	10°	2733.3	2800.5	2894.5	2955.3	2986.3	2987.4	2983.1	2968.1	2960.7	2961.7
2687.3	12.5°	2766.3	2841.1	2942.5	2993.8	3002.3	2978.8	2960.7	2935.0	2925.4	2921.2
2716.2	15°	2811.2	2896.6	2994.8	3014.0	2992.7	2962.8	2931.8	2890.2	2868.8	2851.8
2765.3	17.5°	2865.6	2959.6	3035.4	3021.5	2975.6	2926.5	2876.3	2813.3	2769.6	2751.4
2832.5	20°	2941.4	3025.8	3066.4	3005.5	2936.1	2861.4	2776.0	2699.1	2658.5	2640.4
2918.0	22.5°	3033.3	3114.4	3096.3	2977.7	2879.5	2759.9	2653.2	2596.6	2576.3	2563.5
3027.9	25°	3143.2	3212.6	3117.6	2937.2	2786.6	2625.4	2543.2	2525.1	2515.4	2505.8
3162.5	27.5°	3286.3	3323.7	3133.6	2877.4	2641.4	2482.3	2452.5	2455.7	2452.5	2436.4
3349.3	30°	3475.3	3467.8	3148.6	2780.2	2474.9	2353.2	2355.3	2369.2	2371.3	2360.6
3609.8	32.5°	3724.1	3648.2	3156.0	2654.2	2315.8	2240.0	2242.1	2257.1	2267.7	2249.6
3950.4	35°	4025.1	3858.6	3144.3	2496.2	2193.0	2132.1	2116.1	2120.4	2123.6	2106.5
4363.6	37.5°	4376.4	4094.5	3092.0	2321.1	2091.6	2026.4	1992.3	1963.5	1946.4	1930.4
4831.2	40°	4761.8	4351.8	2995.9	2150.3	1978.4	1914.3	1863.1	1808.6	1751.0	1729.6
5326.6	42.5°	5165.4	4616.6	2879.5	1986.9	1848.1	1795.8	1741.4	1662.4	1575.9	1532.1
5841.3	45°	5583.9	4887.8	2765.3	1825.7	1714.7	1692.3	1629.3	1534.3	1440.3	1384.8
6356.9	47.5°	5993.9	5144.1	2597.7	1663.4	1589.8	1614.3	1565.2	1477.7	1373.0	1285.5
6868.4	50°	6385.8	5384.3	2323.3	1499.0	1488.3	1590.8	1543.9	1417.9	1298.3	1186.2
7370.2	52.5°	6774.4	5578.6	1972.0	1349.5	1433.9	1584.4	1516.1	1377.3	1231.0	1113.6
7842.1	55°	7104.3	5679.0	1633.5	1221.4	1354.9	1530.0	1483.0	1329.3	1136.0	1011.1
8165.6	57.5°	7292.2	5597.8	1351.7	1095.4	1246.0	1440.3	1426.4	1226.8	1022.8	926.7
8228.6	60°	7211.1	5269.0	1121.1	985.5	1142.4	1343.1	1328.2	1125.3	936.4	845.6
7891.2	62.5°	6763.7	4642.3	938.5	889.4	1048.5	1243.8	1230.0	1047.4	870.2	782.6
6995.4	65°	5862.6	3776.4	796.5	809.3	953.4	1124.3	1144.5	982.3	817.8	732.4
5412.0	67.5°	4471.4	2735.4	685.4	739.9	860.5	1006.8	1065.5	935.3	774.1	692.9
3131.5	70°	2548.5	1553.5	591.5	672.6	778.3	897.9	1004.7	897.9	727.1	659.8
1173.4	72.5°	966.2	713.2	511.4	605.4	699.3	806.1	937.4	839.2	672.6	622.5
606.4	75°	515.7	434.5	430.3	526.4	608.6	716.4	853.1	781.5	632.1	657.7
419.6	77.5°	351.3	307.5	359.8	450.6	509.3	617.1	763.4	694.0	547.7	545.6
290.4	80°	243.4	217.8	292.5	363.0	394.0	518.9	666.2	595.8	446.3	416.4
179.4	82.5°	146.3	142.0	218.9	271.2	278.7	400.4	552.0	499.7	365.1	318.2
106.8	85°	80.1	84.3	139.9	159.1	162.3	279.7	432.4	386.5	280.8	236.0
38.4	87.5°	22.4	28.8	51.2	63.0	77.9	145.2	257.3	229.6	140.9	98.2
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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180°
2631.8
2825.1
2947.9
2983.1
2963.9
2919.0
2857.1
2752.5
2638.2
2565.6
2505.8
2439.6
2366.0
2258.1
2118.3
1941.0
1739.2
1537.5
1380.5
1275.9
1176.6
1100.8
1000.4
913.9
832.8
768.7
718.5
680.1
651.3
613.9
679.0
502.9
398.2
320.3
238.1
98.2
0.0

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